

MID-CONTINENT ENERGY EXCHANGE

Oil & Gas Asset Auctions



Data Packet

HA RA SUY:Hervey & Otto Turner

4-Well Mineral/Royalty Interest

**+ PUD Locations in
De Soto Parish, LA**

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Summary

Lot Summary

Lease Name: Hervey & Otto Turner

County/State: De Soto Parish, LA

Asset Type: Mineral/Royalty Interest

Legal Description: Sec 2-15N-14W (38.76 acres)

API: See below

Decimal Interest: See below

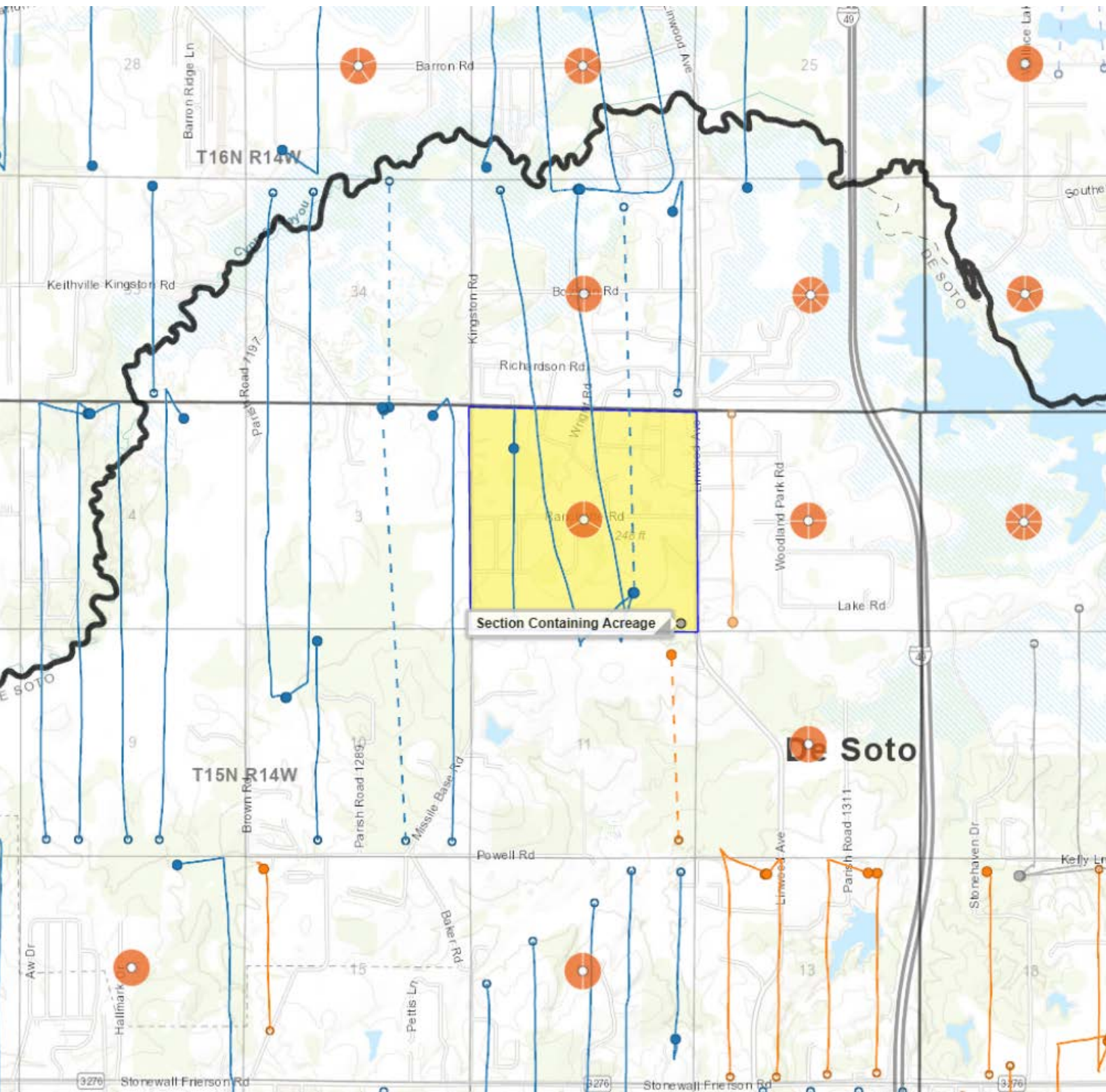
Net Monthly Income: \$219.54

Operator: Expand Operating LLC

Well	API	Owner NRI	Conveyed 1/16th
HA RA SUY;HERVEY 2&35-15-14 HC 001-ALT	17-031-27471	0.000352210	0.000022013
HA RA SUY;HERVEY 2&35-15-14 HC 002-ALT	17-031-27472	0.000352518	0.000022032
HA RA SUY;HERVEY 2&35-15-14 HC 003-ALT	17-031-27473	0.000349120	0.000021820
HA RA SUY;OTTO TURNER 2-15-14H 001	17-031-25511	0.000707140	0.000044196

Legal Description: A tract of land comprised of 38.76 acres, more or less, located in Section 2, Township 15 North, Range 14 West, DeSoto Parish, Louisiana, as described in that certain Partition dated May 29, 2003 among Flora Law, Annie Mitchell, Louis Mitchell and David Mitchell, recorded May 30, 2003, in Book 812, Page 171 under Registry Number 601220 of the records of DeSoto Parish, Louisiana.

Disclaimer: Bidders must conduct their own due diligence prior to bidding at the auction. Bidders shall rely upon their own evaluations of the properties and not upon any representation either oral or written provided here. This is a summary of information provided by the seller to Mid-Continent Energy Exchange.





Income and Expenses

Summary

2 months income info

Net Income: \$439.08

Per Month: \$219.54

Production Month	Owner Revenue	Conveyed 1/16th
January 2026	\$3,301.56	\$206.35
December 2025	\$3,723.77	\$232.74
Monthly Avg	\$3,512.67	\$219.54



Revenue Statement

Owner

Operator

PEXP01
EXPAND OPERATING, LLC
P O BOX 18496
OKLAHOMA CITY, OK 73154
(877) 245-1427

Check

Check Number	J400000445346
Check Amount	
Check Date	March 31, 2026
Check Type	Check

Type	Production Date	Property Values				Owner Share			
		BTU	Volume	Price	Value	Owner Interest	Distribution Interest	Volume	Value

Type	Production Date	Property Values				Owner Share			
		BTU	Volume	Price	Value	Owner Interest	Distribution Interest	Volume	Value
Property: 634986.01-115345 OTTO TURNER 2-15-14H-1, State: LA, County: DE SOTO Operator API# - 1703125511 Enverus API# - 1703125511									
GAS									
ROYALTY INTEREST	Aug 22	1.0109	0.00		0.00	0.00282856	0.00234880	0.00	0.00
DOI: 00001-01									
FUEL GTH/COMP	Aug 22				(0.03)	0.00282856	0.00234880		0.00
FUEL MAINLINE	Aug 22				(1.26)	0.00282856	0.00234880		(0.01)
GATHERING	Aug 22				(0.14)	0.00282856	0.00234880		0.00
MARKETING	Aug 22				0.04	0.00282856	0.00234880		0.00
TRANSPORTATION	Aug 22				(0.38)	0.00282856	0.00234880		0.00
ROYALTY INTEREST	Jan 26	1.0142	67,782.51	4.45	301,365.36	0.00282856	0.00282856	191.73	852.43
DOI: 00001-01									
COMPRESSION	Jan 26				(906.73)	0.00282856	0.00282856		(2.56)
FUEL GTH/COMP	Jan 26				(2,068.24)	0.00282856	0.00282856		(5.85)
GATHERING	Jan 26				(42,671.81)	0.00282856	0.00282856		(120.70)
SEVERANCE TAX	Jan 26				(7,130.72)	0.00282856	0.00282856		(20.17)
Total GAS								191.73	703.14
Total Property									703.14

Type	Production Date	Property Values				Owner Share			
		BTU	Volume	Price	Value	Owner Interest	Distribution Interest	Volume	Value
Property: 669803.01-160434 HERVEY 2&35-15-14 1HC, State: LA, County: DE SOTO Operator API# - 1703127471 Enverus API# - 1703127471									
GAS									
ROYALTY INTEREST	Dec 25	1.0121	817,358.00	4.29	3,504,040.68	0.00140884	0.00147500	1,205.60	5,168.46
DOI: 00001-01									
COMPRESSION	Dec 25				(28,538.11)	0.00140884	0.00147500		(42.10)
FUEL GTH/COMP	Dec 25				(39,198.34)	0.00140884	0.00147500		(57.81)
GATHERING	Dec 25				(351,671.10)	0.00140884	0.00147500		(518.71)
MARKETING	Dec 25				(103,945.36)	0.00140884	0.00147500		0.00
ROYALTY INTEREST	Jan 26	1.0107	766,591.60	4.42	3,385,016.95	0.00140884	0.00147500	1,130.72	4,992.90
DOI: 00001-01									
COMPRESSION	Jan 26				(25,964.02)	0.00140884	0.00147500		(38.30)
FUEL GTH/COMP	Jan 26				(32,257.93)	0.00140884	0.00147500		(47.57)
GATHERING	Jan 26				(367,407.88)	0.00140884	0.00147500		(541.92)
Total GAS								2,336.32	8,914.95
Total Property									8,914.95
Property: 669804.01-160435 HERVEY 2&35-15-14 2HC, State: LA, County: DE SOTO Operator API# - 1703127472 Enverus API# - 1703127472									
GAS									
ROYALTY INTEREST	Dec 25	1.0121	915,866.56	4.29	3,926,359.42	0.00141007	0.00147636	1,352.15	5,796.72
DOI: 00001-01									
COMPRESSION	Dec 25				(31,977.54)	0.00141007	0.00147636		(47.21)
FUEL GTH/COMP	Dec 25				(43,922.56)	0.00141007	0.00147636		(64.85)
GATHERING	Dec 25				(394,054.75)	0.00141007	0.00147636		(581.77)
MARKETING	Dec 25				(116,472.94)	0.00141007	0.00147636		0.00
ROYALTY INTEREST	Jan 26	1.0098	738,513.43	4.41	3,258,101.01	0.00141007	0.00147636	1,090.31	4,810.13
DOI: 00001-01									
COMPRESSION	Jan 26				(24,990.62)	0.00141007	0.00147636		(36.89)
FUEL GTH/COMP	Jan 26				(31,048.57)	0.00141007	0.00147636		(45.84)
GATHERING	Jan 26				(353,633.57)	0.00141007	0.00147636		(522.09)
Total GAS								2,442.46	9,308.20
Total Property									9,308.20
Property: 669805.01-160438 HERVEY 2&35-15-14 3HC, State: LA, County: DE SOTO Operator API# - 1703127473 Enverus API# - 1703127473									
GAS									
ROYALTY INTEREST	Dec 25	1.0121	764,447.36	4.29	3,277,215.93	0.00139648	0.00146146	1,117.21	4,789.52
DOI: 00001-01									
COMPRESSION	Dec 25				(26,690.73)	0.00139648	0.00146146		(39.00)

Type	Production Date	Property Values				Owner Share			
		BTU	Volume	Price	Value	Owner Interest	Distribution Interest	Volume	Value
FUEL GTH/COMP	Dec 25				(36,660.90)	0.00139648	0.00146146		(53.59)
GATHERING	Dec 25				(328,906.12)	0.00139648	0.00146146		(480.69)
MARKETING	Dec 25				(97,216.59)	0.00139648	0.00146146		0.00
ROYALTY INTEREST	Jan 26	1.0104	697,218.49	4.41	3,077,935.76	0.00139648	0.00146146	1,018.96	4,498.28
DOI: 00001-01									
COMPRESSION	Jan 26				(23,608.69)	0.00139648	0.00146146		(34.50)
FUEL GTH/COMP	Jan 26				(29,331.64)	0.00139648	0.00146146		(42.87)
GATHERING	Jan 26				(334,078.37)	0.00139648	0.00146146		(488.25)
Total GAS								2,136.17	8,148.90
Total Property									8,148.90



Revenue Statement

Owner

Operator

PEXP01
EXPAND OPERATING, LLC
P O BOX 18496
OKLAHOMA CITY, OK 73154
(877) 245-1427

Check

Check Number E100000721380
Check Amount
Check Date February 27, 2026
Check Type EFT

Type	Production Date	Property Values				Owner Share			
		BTU	Volume	Price	Value	Owner Interest	Distribution Interest	Volume	Value

Type	Production Date	Property Values				Owner Share			
		BTU	Volume	Price	Value	Owner Interest	Distribution Interest	Volume	Value

Type	Production Date	Property Values				Owner Share			
		BTU	Volume	Price	Value	Owner Interest	Distribution Interest	Volume	Value
ROYALTY INTEREST	Dec 25	1.0142	102,797.26	4.24	435,405.29	0.00282856	0.00282856	290.77	1,231.57
DOI: 00001-01									
COMPRESSION	Dec 25				(1,372.95)	0.00282856	0.00282856		(3.88)
FUEL GTH/COMP	Dec 25				(3,856.32)	0.00282856	0.00282856		(10.91)
GATHERING	Dec 25				(56,601.83)	0.00282856	0.00282856		(160.10)
MARKETING	Dec 25				(12,946.47)	0.00282856	0.00282856		0.00
SEVERANCE TAX	Dec 25				(10,814.27)	0.00282856	0.00282856		(30.59)
								Total GAS	290.77
								Total Property	1,026.09



Production



Well Information Summary

WELLS

SERIAL	WELL NAME	WELL NUM	ORG ID	FIELD	PARISH	PROD TYPE	SEC	TWN	RGE	EFFECTIVE DATE	API NUM	PRMT DATE	SPUD DATE	STAT DATE	ST CD
255103	HA RA SUY;HERVEY 2&35-15-14 HC	001-ALT	E1152	2360	16	20	002	15N	14W	12/02/2025	17031274710000	04/25/2025	06/08/2025	12/02/2025	10

WELL SURFACE COORDINATES

SURFACE LONGITUDE	SURFACE LATITUDE	LAMBERT X	LAMBERT Y	GROUND ELEVATION	ZONE	DATUM
0-0-0	0-0-0	1608241	601227	204.71	N	NAD-27

WELL SURFACE COORDINATES GENERATED BY DCE

UTMX 83	UTMY 83	LONGITUDE 83	LATITUDE 83
427679.01109349	3575432.62421458	-93.76827804	32.31338958

BOTTOM HOLE COORD

EFFECTIVE DATE	END DATE	PLUGBACK TOTAL DEPTH	TRUE VERTICAL DEPTH	MEASURED DEPTH	LAT DEG	LAT MIN	LAT SEC	LONG DEG	LONG MIN	LONG SEC	COORDINATE SOURCE	LAMBERT X	LAMBERT Y	ZONE	COORDINATE SYSTEM
12/02/2025		22338	11745	22353							04	1605239	610673	N	01
07/27/2025	12/01/2025		11745	22353							02	1605416	610692	N	01
04/25/2025	07/26/2025		14000	27000							02	1605416	610692	N	01

WELL HISTORY

SERIAL	WELL NAME	WELL NUM	ORG ID	FIELD	ST CD	PT	WELL CLASS	EFF DATE	END DATE	STAT DATE
255103	HA RA SUY;HERVEY 2&35-15-14 HC	001-ALT	E1152	2360	10	20		12/02/2025		12/02/2025
255103	HA RA SUY;HERVEY 2&35-15-14 HC	001-ALT	E1152	2360	31	00		07/27/2025	12/01/2025	07/27/2025
255103	HA RA SUY;HERVEY 2&35-15-14 HC	001-ALT	E1152	2360	01	00		04/25/2025	07/26/2025	04/25/2025

SCOUT INFO

REPORT DATE	WELL STATUS	MEASURED DEPTH	TRUE VERT DEPTH	DETAIL
12/17/2025	10	22353	11745	COMPLETED 12/2/25; GAS; 29200 MCFD; 7130# CP; PERFS 12298-22338'
10/02/2025	08	22353	11745	SCOUT CODE 8: 9/23/2025 TUES. 6:00 AM - FRAC STG'S 54 - 56 ; P&P STG'S 55 - 57; 9/24/2025 WED. 6:00 AM - FRAC STG'S 57 - 58 ; P&P STG'S 58 - 59; 9/25/2025 THURS. 6:00 AM - FRAC STG'S 59, SET KILL PLUG, RDMO; 9/26/2025 FRI. 6:00 AM - MIRUCTU, RIH, DRILL PLUGS; 9/27/2025 SAT. 6:00 AM - DRILL PLUG #7 TO #46; 9/28/2025 SUN. 6:00 AM - DRILL PLUG 47 TO 59; 9/29/2025 MON. 6:00 AM - WAIT ON PRODUCTION
09/25/2025	09	22353	11745	(PWH) SCOUT CODE 9: 9/16/2025 TUES. 6:00 AM - FRAC STG'S 36 - 37 ; P&P STG'S 37 - 38; 9/17/2025 WED. 6:00 AM - FRAC STG'S 38 - 40 ; P&P STG'S 39 - 41; 9/18/2025 THURS. 6:00 AM - FRAC STG'S 41 - 43 ; P&P STG'S 42 - 43; 9/19/2025 FRI. 6:00 AM - FRAC STG'S 44 - 45 ; P&P STG'S 44 - 46; 9/20/2025 SAT. 6:00 AM - FRAC STG'S 46 - 48 ; P&P STG'S 47 - 49; 9/21/2025 SUN. 6:00 AM - FRAC STG'S 49 - 50 ; P&P STG'S 50 - 51; 9/22/2025 MON. 6:00 AM - FRAC STG'S 51 - 53 ; P&P STG'S 52 - 54
09/16/2025	09	22353	11745	SCOUT CODE 9: 9/9/2025 TUES. 6:00 AM - FRAC STG'S 19-21; P&P STG'S 20 - 21; 9/10/2025 WED. 6:00 AM - FRAC STG'S 22-23 X; P&P STG'S 22 - X 23; 9/11/2025 THURS. 6:00 AM - FRAC STG'S 23 - 25; P&P STG'S 24 - 26; 9/12/2025 FRI. 6:00 AM - FRAC STG'S 26 - 28; P&P STG'S 27 - 28; 9/13/2025 SAT. 6:00 AM - FRAC STG'S 29 - 30; P&P STG'S 29 - 30; 9/14/2025 SUN. 6:00 AM - FRAC STG'S 31 - XX ; P&P STG'S 31 - XX; 9/15/2025 MON. 6:00 AM - FRAC STG'S 33 - 35 ; P&P STG'S 34 - 36
09/08/2025	09	22353	11745	SCOUT CODE 9: 9/2/2025 TUES. 6:00 AM - FRAC STG'S 4 - 6; P&P STG'S 5 - 6; 9/3/2025 WED. 6:00 AM - FRAC STG'S 7 - 8; P&P STG'S 7 - 8; 9/4/2025 THURS. 6:00 AM - FRAC STG'S 9 - 10; P&P STG'S 9 - 10; 9/5/2025 FRI. 6:00 AM - FRAC STG'S 11 ; P&P STG'S 11 - 12; 9/6/2025 SAT. 6:00 AM - FRAC STG'S 12 - 14 ; P&P STG'S 13 - 14; 9/7/2025 SUN. 6:00 AM - FRAC STG'S 15 - 16; P&P STG'S 15 - 17; 9/8/2025 MON. 6:00 AM - FRAC STG'S 17 - 18; P&P STG'S 18 - 19
09/04/2025	09	22353	11745	SCOUT CODE 9: 8/26/2025 TUES. 6:00 AM - MIRU AUX FRAC EQUIPMENT; 8/27/2025 WED. 6:00 AM - MIRU AUX FRAC EQUIPMENT; 8/28/2025 THURS. 6:00 AM - MIRU AUX FRAC EQUIPMENT; 8/29/2025 FRI. 6:00 AM - MIRU

				AUX FRAC EQUIPMENT; 8/30/2025 SAT. 6:00 AM -CONT MIRU FRAC EQUIP.; 8/31/2025 SUN. 6:00 AM -FRAC STG 1; 9/1/2025 MON. 6:00 AM -FRAC STG'S 2 -3; P&P STG'S 2 -4
08/06/2025	31	22353	11745	SCOUT CODE 31: 7/29/2025 TUES. 6:00 AM -LAY DOWN BHA. PULL AND INSPECT WEAR BUSHING. PUMP THROUGH AND TEST CEMENT LINES. RIG UP AND RUN PRODUCTION CASING TO 15,500'; 7/30/2025 WED. 6:00 AM -REAM PRODUCTION CASING TO 22,307', CIRCULATE 1.5X CASING CAPACITY. PUMP PRODUCTION CEMENT. INSTALL BPV. FLUSH LINES. ; 7/31/2025 THURS. 6:00 AM -NIPPLE DOWN BOPE, INSTALL TA CAP, CLEAN PITS RELEASE RIG.; 8/1/2025 FRI. 6:00 AM -N/A; 8/2/2025 SAT. 6:00 AM -N/A; 8/3/2025 SUN. 6:00 AM -N/A; 8/4/2025 MON. 6:00 AM -N/A
07/28/2025	05	22353	11745	SCOUT CODE 5: 7/22/2025 TUES. 6:00 AM -WALK RIG, NIPPLE UP & TEST BOPE, INSTALL WEAR BUSHING.; 7/23/2025 WED. 6:00 AM -PICK UP BHA, TIH, DISPLACE WITH OBM, DRILL SHOE TRACK & 10' OF NEW FORMATION, FIT TEST, DRILL PRODUCTION VERTICAL HOLE FROM 10,820' TO 11,153'. DRILL PRODUCTION CURVE FROM 11,153' TO 11,450'; 7/24/2025 THURS. 6:00 AM -DRILL PRODUCTION CURVE FROM 11,450' TO 12,210', DRILL PRODUCTION LATERAL FROM 12,210' TO 14,135'; 7/25/2025 FRI. 6:00 AM -DRILL PRODUCTION LATERAL FROM 14,135' TO 17,160'; 7/26/2025 SAT. 6:00 AM -DRILL PRODUCTION LATERAL FROM 17,160' TO 19,785'; 7/27/2025 SUN. 6:00 AM -DRILL PRODUCTION LATERAL FROM 19,785' TO 22,353'; 7/28/2025 MON. 6:00 AM -CUC. LAY DOWN DRILL PIPE TO 10,800'. FLOW CHECK. LAY DOWN DRILL PIPE TO BHA.RUN PRODUCTION CASING. PUMP PRODUCTION CEMENT. RELEASE RIG TO EP PAD.
06/18/2025	07	10820		SCOUT CODE 7: 6/10/2025 TUES. 6:00 AM -CEMENT SURFACE, N/U BOP'S & TEST SAME& P/U BHA #2 ; 6/11/2025 WED. 6:00 AM -TIH AND DRILL OUT CMT AND SHOE TRACK PLUS 10' NEW FORMATION, CIRCULATE AND PREFORM F.I.T., DRILL FROM 1,952' TO 5,850'; 6/12/2025 THURS. 6:00 AM -DRILL INTERMEDIATE SECTION FROM 5,850' TO 8,005'; 6/13/2025 FRI. 6:00 AM -DRILL INTERMEDIATE SECTION FROM 8,005' TO 8,418', CUC, TOO, CHANGED OUT BHA, TIH TO 2,000'; 6/14/2025 SAT. 6:00 AM -DRILL INTERMEDIATE SECTION FROM 8,418' TO 9,500'; 6/15/2025 SUN. 6:00 AM -DRILL INTERMEDIATE SECTION FROM 9,500' TO 10,820', PERFORM CUC, BEGIN TOO; 6/16/2025 MON. 6:00 AM -CIRCULATE 1.5 TIMES CASING CAPACITY; NIPPLE DOWN & WALK TO HERVEY 2&35-15-14 2HC
06/11/2025	05	1942		SCOUT CODE 5: 6/3/2025 TUES. 6:00 AM -NA; 6/4/2025 WED. 6:00 AM -NA; 6/5/2025 THURS. 6:00 AM -NA; 6/6/2025 FRI. 6:00 AM -NA; 6/7/2025 SAT. 6:00 AM -NA; 6/8/2025 SUN. 6:00 AM -NA; 6/9/2025 MON. 6:00 AM -PREP & WALK RIG, R/U DIVERTER, P/U BHA, SPUD WELL, DRILL SURFACE F/110' T/1,942', TOO, R/U & RUN 10 3/4" SURFACE CASING,
04/25/2025	01	27000		818' FSL & 1435' FEL OF SEC 2-T15N-R14W. PBHL: 330' FNL & 900' FWL OF SEC 35-T16N-R14W.

PERFORATIONS

SERIAL NUM	COMPLETION DATE	UPPER PERF	LOWER PERF	SANDS	RESERVOIR
255103	12/02/2025	12298	22338	HAYNESVILLE	RA

WELL TESTS

RPT TYP	TEST DATE	RPT DATE	OIL POT	COND	GAS DEL	WATER	BSW%	FLOW PRES	SHUTIN PRES	CHOKE	UPPER PERF	LOWER PERF	BOT HOLE PRES
DT-1	03/31/2026	05/01/2026			28576	819					12298	22338	
SDM2G	12/08/2025	12/08/2025			29200	456		7130		AUTO	12298	22338	

WELL ALLOWABLES

EFFECTIVE DATE	END DATE	LUW CODE	LUW TYPE CODE	ALLOWABLE	ESTIMATED POTENTIAL	CURRENT ALLOWABLE TYPE
04/14/2026	06/30/2026	615247	2	14571	14571	3
04/14/2026	06/30/2026	617523	2	14629	14629	3
01/01/2026	06/30/2026	617523	2	14629	14629	3
01/01/2026	06/30/2026	615247	2	14571	14571	3
12/02/2025	12/31/2025	615247	2	14571	14571	3
12/02/2025	12/31/2025	617523	2	14629	14629	3

LEASE\UNIT\WELL ASSOCIATION HISTORY

EFFECTIVE DATE	END DATE	LUW CODE	LUW TYPE	LUW NAME	REPORTING PCT	PRIMARY LUW FLAG
12/02/2025		615247	2-UNIT	HA RA SUQ;	49.9	N
12/02/2025		617523	2-UNIT	HA RA SUY;	50.1	Y

LEASE\UNIT\WELL PRODUCTION

RPT DATE	LUW CODE	STORAGE FAC	DOC USE	WELL CNT	OPENING STK	OIL PROD(BBL)	GAS PROD(MCF)	DISPOSITION	CLOSING STK	PARISH
02/01/2026	617523			4	0	0	1096752	0	0	DE SOTO
01/01/2026	617523			2	0	0	1212934	0	0	DE SOTO
12/01/2025	617523			4	0	0	1404223	0	0	DE SOTO
02/01/2026	615247			4	0	0	0	0	0	CADDO
02/01/2026	615247			4	0	0	1099495	0	0	DE SOTO

01/01/2026	615247			4	0	0	435105	0	0	DE SOTO
01/01/2026	615247			4	0	0	755465	0	0	CADDO
12/01/2025	615247			4	0	0	1423131	0	0	DE SOTO
12/01/2025	615247			4	0	0	0	0	0	CADDO

CASING

COMPLETION DATE	CASING SIZE	WELLBORE SIZE	CASING WEIGHT	UPPER SET DEPTH	LOWER SET DEPTH	CEMENT SACKS	TEST PRESSURE	HOURS UNDER PRESSURE	TEST DATE	CASING PULLED	CREATION PROCESS
12/02/2025	0500		18	11170	22337						WELL HISTORY
12/02/2025	0512	0634	23	26	11170	1357	3200	.5	08/15/2025		WELL HISTORY
12/02/2025	0758	0978	29.7	27	10810	1060	3000	.5	07/22/2025		WELL HISTORY
07/27/2025	0758	0978	26.4	27	10810	1060	3000	.5	07/22/2025		WELL HISTORY
07/27/2025	1034	1312	40.5	28	1927	915	1500	.5	06/09/2025		WELL HISTORY

PLUG AND ABANDON

P AND A DATE	LOCATION TYPE	CASING CUT TYPE	CASING CUT DEPTH	MUD WEIGHT LEFT	COMMENTS
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PLUGS

PLUG TYPE	UPPER PLUG DEPTH	LOWER PLUG DEPTH	SACKS OF CEMENT	SLURRY WEIGHT
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TUBING AND PACKERS

COMPLETION DATE	TUBING SIZE	TUBING LOWER DEPTH	TUBING UPPER DEPTH	PACKER DEPTH
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WORK PERMITS

REFERENCE NUMBER	APPLICATION DATE	EXPIRATION DATE	WORK PERMIT TYPE	WORK PERMIT STATUS	WORK PERMIT STATUS_DATE	TOTAL DEPTH	WORK_PERFORMED	DOCUMENTATION RECEIPT DATE	TEST SAND	WORK DESCRIPTION
520-25-3-14	07/31/2025	07/31/2026	HYDRAULIC FRACTURE STIMULATION	APPROVED	07/31/2025	0	Y			PERFORATE THE HAYNESVILLE RESERVOIR & FRAC/STIMULATE EACH STAGE AS NECESSARY.





STATE OF LOUISIANA
OFFICE OF CONSERVATION
PERMIT TO DRILL FOR MINERALS

FEE: \$1264

SERIAL NO. 255103

Approval Date 04/25/2025

API 17031274710000

Expiration Date 10/21/2025

16 PARISH DE SOTO
2360 FIELD CASPIANA
E1152 OPERATOR EXPAND OPERATING LLC
6100 N WESTERN AVENUE
OKLAHOMA CITY, OK 73118-

HORIZONTAL

SHREVEPORT DISTRICT

WELL NAME: HA RA SUY; HERVEY 2&35-15-14 HC

NO. 001-ALT

LOCATION OF WELL: SEC 002 T 15N R 14W M W

818' FSL & 1435' FEL OF SEC 2-T15N-R14W. PBHL: 330' FNL & 900' FWL OF SEC 35-T16N-R14W.

ZONE OR RESERVOIR OF PROPOSED COMPLETION: HAYNESVILLE

Measured Depth 27000

True Vertical Depth 14000

APPLICABLE OFFICE OF CONSERVATION ORDERS: 29B-1

STEVEN M. GIAMBRONE

ANDREW ROUSSELL

INTERIM DIRECTOR CONSERVATION

ISSUING AUTHORITY

WELL FILE

TYLER PATRICK GRAY
SECRETARY

DUSTIN H. DAVIDSON
DEPUTY SECRETARY



MARK NORMAND, JR.
UNDERSECRETARY

MANNY ACOSTA
OIL SPILL COORDINATOR

KEITH O. LOVELL
ASSISTANT SECRETARY
COASTAL MANAGEMENT

AS MAND MCCLINTON
ASSISTANT SECRETARY
ENERGY

ANDREW B. YOUNG
ASSISTANT SECRETARY
MINERAL RESOURCES

STEVEN M. GIAMBRONE
INTERIM DIRECTOR
CONSERVATION

DEPARTMENT OF ENERGY AND NATURAL RESOURCES

APRIL 29, 2025

EXPAND OPERATING LLC
6100 N WESTERN AVENUE
OKLAHOMA CITY, OK 73118-

*** PERMIT TO DRILL ***

RE: DE SOTO PARISH
CASPIANA FIELD
HA RA SUY: HERVEY 2&35-15-14 HC NO. 001-ALT
SER NO. 255103

DEAR SIR OR MADAM:

WE ARE ISSUING THE ATTACHED PERMIT TO DRILL FOR THE ABOVE REFERENCED WELL WITH THE UNDERSTANDING THAT YOU WILL COMPLY WITH THE FOLLOWING CONDITIONS:

FURNISH THE APPROPRIATE DISTRICT MANAGER WITH A DIRECTIONAL SURVEY AS PROOF THAT THE WELL HAS BEEN DRILLED IN COMPLIANCE WITH THE PROVISIONS OF LAC 43:XIX 135.C (STATEWIDE ORDER NO. 29-B)

NO ALLOWABLE WILL BE ASSIGNED SAID WELL UNLESS IN COMPLIANCE WITH THE ABOVE PROVISIONS.

PLEASE BE ADVISED THAT A PERMIT TO DRILL ISSUED BY THE OFFICE OF CONSERVATION DOES NOT RELIEVE THE OPERATOR OF THE OBLIGATION TO COMPLY WITH FEDERAL, LOCAL, OR OTHER STATE PERMITTING OR REGULATORY REQUIREMENTS.

YOURS TRULY,

STEVEN M. GIAMBRONE
INTERIM DIRECTOR CONSERVATION

ANDREW ROUSSELL

AR:PC
CC: PATRICK RALEY
SHREVEPORT, DISTRICT MANAGER
29B-1

STATE OF LOUISIANA
OFFICE OF CONSERVATION FORM MD-10-R-1
APPLICATION FOR PERMIT TO DRILL FOR MINERALS
TYPE ONLY - FILE IN DUPLICATE

(Print on Buff color paper)

OFFICE USE ONLY		OFFICE USE ONLY	
<i>Bond Received, 298-1, 4451, 4453, horizontal</i>		SERIAL NUMBER: <u>255103</u>	
Company Data		DATE OF APPLICATION: <u>April 9, 2025</u>	
OPERATOR: <u>EXPAND OPERATING LLC</u>		CODE NO. <u>E1152</u>	
ADDRESS: <u>6100 N WESTERN AVENUE</u>			
<u>OKLAHOMA CITY, OK 73118</u>			
Well Data			
PARISH: <u>DESOTO</u>		CODE NO. <u>16</u>	
FIELD: <u>CASPIANA</u>		CODE NO. <u>2360</u>	
WELL NAME: <u>HA RA SUY; HERVEY 2&35-15-14 HC</u>		Well No.: <u>001-ALT</u>	
LOCATION: Section: <u>2</u> Township: <u>15N</u> Range: <u>14W</u>			
LOCATION DESCRIPTION: <u>SL: 818' FSL & 1435' FEL OF SEC 2, T15N-14W</u>			
<u>PBHL: 330' FNL & 900' FWL OF SEC 35, T16N-R14W</u>			
PRODUCT: ☐ OIL ☒ GAS ☐ OTHER		TYPE OF WELL	
Proposed Total Depth: <u>27,000</u> feet - Measured Depth		☒ New Well ☐ Repermit	
(and TVD, if applicable) <u>14,000</u> feet - True Vertical Depth		☐ Redrill ☐ Straight	
Application Fee: <u>\$1,264.00</u> Check No.: <u>INVOICE</u>		☐ Dual ☐ Directional	
6 Month ☒ 1 Year ☐ <u>#1307196</u>		☐ Lease ☒ Horizontal	
		☒ Unit ☐ SPC Plan (on water)	
PROPOSED ZONE OF COMPLETION: <u>HAYNESVILLE</u>		RECEIVED APR 10 2025 DENR Shreveport	
APPLICABLE CONSERVATION ORDERS: <u>29-B-1, 191-H-259 EFFECTIVE 9/4/19</u>			
SERIAL NUMBER OF REDRILL OR REPERMIT (if applicable): _____			
CONTACT DATA			
SEND PERMIT TO: <u>SARA OBERLANDER</u>		RECEIVED APR 22 2025 OFFICE OF CONSERVATION PERMIT SECTION	
ADDRESS: _____			
(if different than above) _____			
FOR ADDITIONAL INFORMATION, CONTACT: <u>SARA OBERLANDER</u>			
Phone No.: <u>318-716-7168</u>			
APPLICANT			
SUBMITTED BY: <u>SARA OBERLANDER, REGULATORY SPECIALIST</u>			
SIGNATURE: _____			
APPLICANT'S REPRESENTATIVE SIGNATURE			
OFFICE USE ONLY		OFFICE USE ONLY	
FINANCIAL SECURITY REQUIRED PRIOR TO PERMITTING: ☐ Yes ☐ No			
DISTRICT APPROVAL: _____		DATE: <u>4/15/2025</u>	
ISSUED BY: _____		DATE: <u>04/25/2025</u>	
API No.: <u>17.031.27471</u>		Exp.: <u>10/21/2025</u>	
FORM MD-10-R-1 (Rev 08/2009)			

**STATE OF LOUISIANA
OFFICE OF CONSERVATION**

APRIL 17, 2025

TO: BATON ROUGE OFFICE
FROM: SHREVEPORT DISTRICT OFFICE
ATTN: PERMIT SECTION

Enclosed please find an application from EXPAND OPERATING LLC (E1152)

for permit to drill their HA RA SUY; HERVEY 2&35-15-14HC #1-ALT

CASPIANA Field, DESOTO Parish.

Also enclosed please find:

Check No. ONLINE Inv# 1307196 \$3,792.00 (3 WELLS)

☒ Certified well location plat

☒ Affidavit of compliance

Applicable Office of Conservation Order No. 191-H-259 EFF 09/04/19, 29B-1

Remarks & Recommendations:

Well approved as an alternate unit well at an exceptional location for HA RA SUQ and HA RA SUY in the Caspiana Field under Order 191-H-259, effective 9/4/2019. Order approves a total of three (3) cross-unit wells for HA RA SUQ and HA RA SUY.

Dissimilar location shown on order to that of the attached plat location. Not subject to Order U-HS. All perforation points further than 330' from unit boundaries.

HA RA SUQ unit in the Caspiana Field formed under Order 191-H-5. HA RA SUY unit in the Caspiana Field formed under Order 191-H-20.

Unit well for HA RA SUQ unit in the Caspiana Field is SN-242486. Unit well for HA RA SUY unit in the Caspiana Field is SN-242347. Operator is simultaneously submitting two (2) additional permits for HA RA SUQ and HA RA SUY in the Caspiana Field under Order 191-H-259. Operator has zero (0) remaining unpermitted wells for HA RA SUQ and HA RA SUY in the Caspiana Field under Order 191-H-259.

Adheres to all rules and regulations in regards to boundary and other parameters as established in Order 191-H and subsequent revisions in series as well as 29-B-1 rules with allowance to approved exceptional well spacing based on Docket #19-368 thru 369.

EIVED

District Engineer

APR 22 2025

OFFICE OF CONSERVATION
PERMIT SECTION

FORM AFLN-1 - AFFIDAVIT OF COMPLIANCE - STATEWIDE ORDER 29-B

WELL NAME AND NUMBER HARA SUY; Hervey 2+35-15-14 HC 0A-MT STATE OF LOUISIANA
PARISH/COUNTY OF CADDO

BEFORE ME, the undersigned Notary Public, personally appeared SARA OBERLANDER

(“affiant”) who on their oath did say that they are the REGULATORY SPECIALIST (REPRESENTATIVE) of the EXPAND OPERATING LLC (COMPANY), authorized to do business in the state of Louisiana, and that said instrument was signed on behalf of said company, and affiant acknowledged that he executed the same as the free act and deed of said company.

RULE LAC 43:XIX.103.A.1 – Pre-Entry Notice

BY CHECKING THIS BOX, AFFIANT CERTIFIES:

- ☐ Surface owner was provided pre-entry notice on the _____ day of _____, 20_____. No construction operations of a drilling location for the aforementioned well shall commence less than thirty (30) days after such date.
- ☐ The above referenced well will be drilled from an existing pad on the property in question, there will be no expansion to the existing drilling pad or access road(s) and therefore no notice to the surface owner is required pursuant to R.S. 30:28(l)(1)(f).
- ☒ A contractual relationship presently exists between the operator and the surface owner(s) of the subject well. As such, no pre-entry notice is required pursuant to 30:28(l)(1)(c).
- ☐ No pre-entry notice required pursuant to R.S. 30:28(l)(1)(d). Please attach document of Commissioner’s waiver.

RULE LAC 43:XIX.103.A.3 – Natural Gas Management

BY CHECKING THIS BOX, AFFIANT CERTIFIES:

- ☒ The operator will be able to connect the well to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the volume of natural gas the operator anticipates the well will produce.
- ☐ The operator will shut-in the well until a natural gas gathering system is available.
- ☐ The operator will evaluate if the well is a candidate for flaring based on economic hardship.
- ☐ The operator will comply with the attached gas capture plan (ensure attachment provided).
- ☐ The well is in a recognized stripper area and as such is exempt from LAC 43:XIX.103.A.3.

The information in this affidavit meets the requirements of Statewide Order 29-B, Rule LAC 43:XIX.103 and Louisiana R.S. 30:28(l), demonstrating compliance with such order. By signing this document, I certify that the foregoing is true and correct to the best of my knowledge.

Thus done and sworn this 9 day of April, 2025:

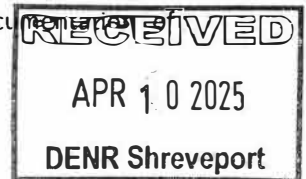
Signature: _____

Print Name: SARA OBERLANDER

Title: REGULATORY SPECIALIST

AFLN-1

Notary Public
JEFFREY HEAD
Notary Public
State of Louisiana
Caddo Parish
Notary ID # 180482
My Commission is for Life
Rev. 01/2024



Expand Operating, LLC-
HA RA SUY; Hervey 2&35-15-14HC
NO. 1 ALT WELL
Prepared July 11, 2024 as follows:
SURFACE LOCATION being 818' from the South
Line and 1435' from the East Line of Section 2,
located in Section 2, T15N-R14W.
PROPOSED BOTTOM HOLE LOCATION/PLPP to
be 330' from the North Line and 900' from the
West Line of Section 35, located in Section 35,
T16N-R14W, DeSoto Parish, Louisiana.

Producing Lateral Length			
Section	Unit	Length	Percentage
2	HA RA SUY	4,973.78'	49.78%
35	HA RA SUQ	5,016.99'	50.22%
Total:		9,990.77'	100.00%

NOTE: This plat is not a property boundary survey and as such does not comply with the "Standards of Practice for Property Boundary Surveys" as adopted by the Louisiana Professional Engineering and Land Surveying Board; it is however in compliance with Statewide Order 29-B and 29-E. (Title 43 of the Louisiana Administrative Code)

There are no residential or commercial structures, not owned by the applicant, his lessor, or other predecessor in interest, within a 500' radius of the proposed location as of July 11, 2024.

Note: This well is not subject to the provisions of Order U-HS.

PUPP = PROPOSED UPPER PERFORATION POINT
PLPP = PROPOSED LOWER PERFORATION POINT

RECEIVED

APR 25 2025

Office of Conservation Engineering Division

NAD 27 LA NORTH ZONE

SCALE: 1"= 2000'

0' 1000' 2000'

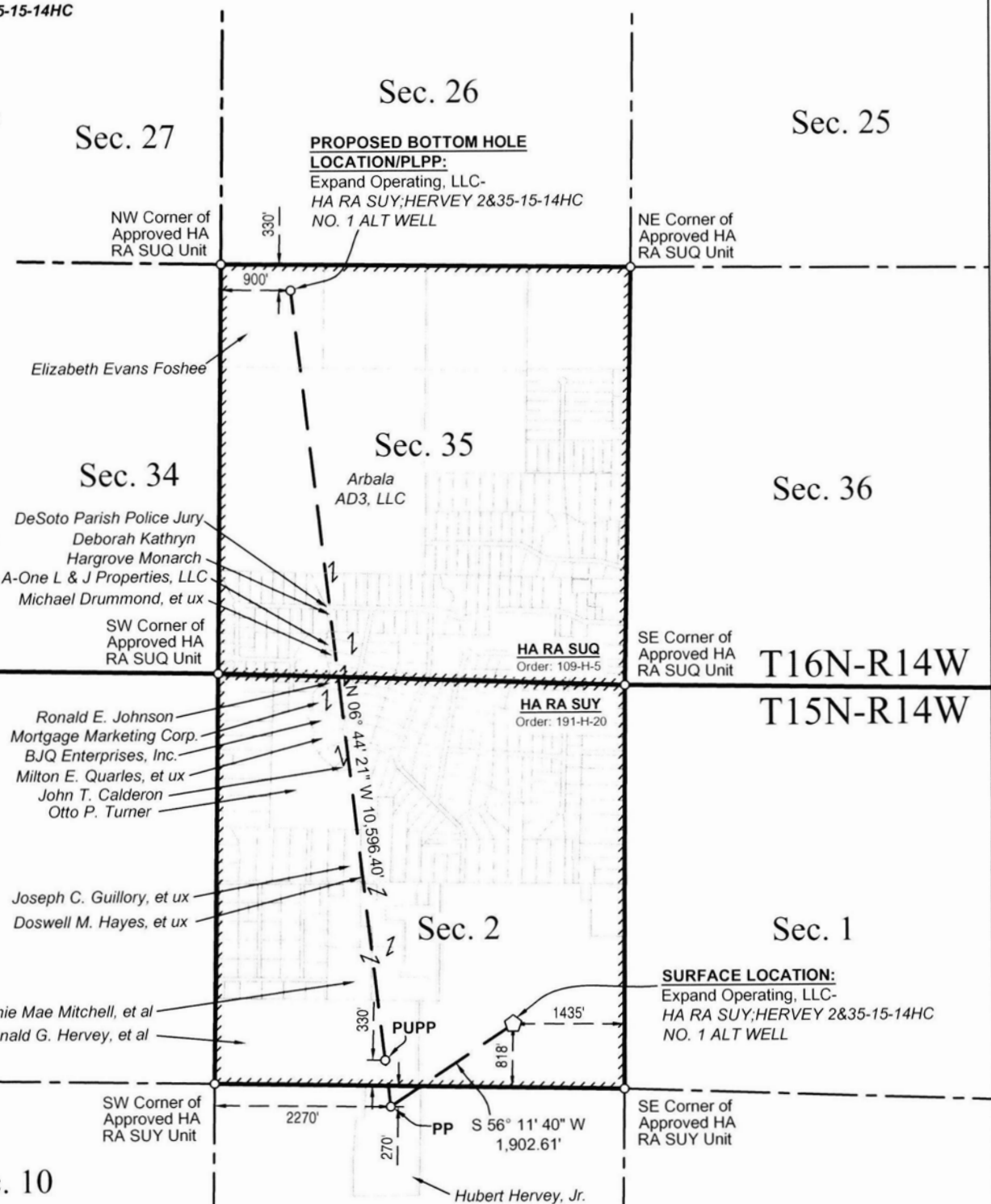
HA RA SUY; HERVEY 2&35-15-14HC
NO. 1 ALT WELL

X = 1,608,241' (NAD27 La N)
Y = 601,227'
LAT. 32.313218° N (NAD27)
LONG. 93.768083° W
X = 2,889,028' (NAD83/86 La N)
Y = 661,936'
LAT. 32.313375° N (NAD83/86)
LONG. 93.768263° W
ELEV. +204.71' (NAVD88)

PENETRATION POINT
X = 1,606,660' (NAD27 La N)
Y = 600,169'
LAT. 32.310257° N (NAD27)
LONG. 93.773159° W

PROPOSED UPPER PERFORATION POINT
X = 1,606,589' (NAD27 La N)
Y = 600,770'
LAT. 32.311908° N (NAD27)
LONG. 93.773412° W

PROPOSED BOTTOM HOLE LOCATION/PLPP
X = 1,605,416' (NAD27 La N)
Y = 610,692'
LAT. 32.339142° N (NAD27)
LONG. 93.777585° W
X = 2,886,203' (NAD83/86 La N)
Y = 671,401'
LAT. 32.339298° N (NAD83/86)
LONG. 93.777765° W

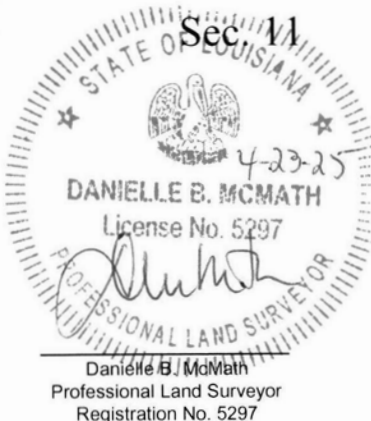


Note: No Perforation Point to be located closer than 330' from any unit boundary other than the HA RA SUY.
PUPP to be no closer than 330' from the South line of Section 2.
PLPP to be no closer than 330' from the North line of Section 35.



C. H. Fenstermaker
& Associates, L.L.C.
135 Regency Sq.
Lafayette, LA 70508
Ph. 337-237-2200
Fax. 337-232-3299

REVISIONS	
04/23/2025 ADF	Revised parish of BHL.
DRAWN BY: ADF	PROJ. MGR: DBM
DATE: 07/11/2024	
JOB#: 2247835.01	SHEET 1 OF 1



WELL LOCATION PLAT
HA RA SUY; HERVEY 2&35-15-14HC
NO. 1 ALT WELL
EXPAND OPERATING, LLC
SITUATED IN
SECTION 2, T15N-R14W
DESOTO PARISH, LOUISIANA

STATE OF LOUISIANA
DEPARTMENT OF CONSERVATION AND ENERGY
AMENDED PERMIT TO DRILL FOR MINERALS

...\$126.00

255103 SERIAL NO.

DATE 04/14/2026

EFFECTIVE 12/02/2025

CURRENT CODES

16 PARISH DE SOTO
2360 FIELD CASPIANA
E1152 OPERATOR EXPAND OPERATING LLC
20 PRODUCT 6100 N WESTERN AVENUE
OKLAHOMA CITY, OK 73118-

SHREVEPORT DISTRICT

2-617523 WELL NAME HA RA SUY;HERVEY 2&35-15-14 HC
LOCATION OF WELL SEC 002 T 15N R 14W M W
FORMER WELL NAME:HA RA SUY;HERVEY 2&35-15-14 HC 001-ALT
NEW LOCATION: SAME SL.NEW BHL: 351' FNL & 723' FWL OF SEC 35-T16N-R14W, HA RA SUQ.

NO. 001-ALT

Cross-Unit LUWs: 2 - 617523 : 50.10% (PRIMARY), 2 - 615247 : 49.90%

INVOICE 1319643

APPLICABLE DCE ORDERS:

191-H-259

DUSTIN H. DAVIDSON

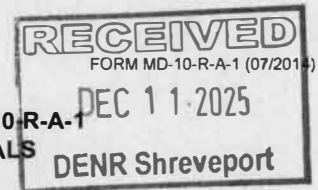
ANDREW ROUSSELL

SECRETARY

ISSUING AUTHORITY

WELL FILE

STATE OF LOUISIANA
DEPARTMENT OF CONSERVATION AND ENERGY FORM MD-10-R-A-1
APPLICATION TO AMEND PERMIT TO DRILL FOR MINERALS
TYPE ONLY - FILE IN DUPLICATE



(Print on PINK paper)

CURRENT		SERIAL NUMBER: 255103	
DATE OF APPLICATION: <u>Dec 0 2025</u>		EFF DATE OF CHANGE: <u>Dec 2, 2025</u>	
PARISH: <u>DE SOTO</u>	CODE NO. <u>16</u>		
FIELD: <u>CASPIANA</u>	CODE NO. <u>2360</u>		
OPERATOR: <u>EXPAND OPERATING LLC</u>	CODE NO. <u>E1152</u>		
ADDRESS: <u>6100 N WESTERN AVENUE</u>			
<u>OKLAHOMA CITY, OK 73118</u>			
WELL NAME: <u>HA RA SUY; HERVEY 2&35-15-14 HC</u>		No. <u>001-ALT</u> LUW: <u>See Attached</u>	
LOCATION: Section Township Range: <u>NEW BHL: 351' FNL & 723' FWL OF SEC 35-T16N-R14W. in HA RA SUY</u> <u>SL: same</u>			
ACTION: ☐ PARISH ☐ FIELD ☐ OPERATOR ☐ LEASE TO UNIT ☐ UNIT TO UNIT ☐ WELL NO. ☐ SWD ☒ LOCATION ☐ UNIT TO LEASE ☐ LEASE TO LEASE			
CURRENT PRODUCT: ☐ OIL ☒ GAS ☐ OTHER: _____			
COMPLETION ZONE: <u>HAYNESVILLE RES A</u>			
APPLICABLE CONSERVATION ORDERS: <u>191-H-259</u>			
FOR ADDITIONAL INFORMATION, CONTACT: <u>CHRISTINA BILES</u> Phone No.: <u>(469)325-3911</u>			
SUBMITTED BY: <u>CHRISTINA BILES</u> REGULATORY SPECIALIST TYPED NAME AND TITLE			
SIGNATURE: _____ APPLICANT'S REPRESENTATIVE SIGNATURE			
Phone No.: <u>(469)325-3911</u>			
FORMERLY		RECEIVED	
WELL NAME: _____		LUW: _____	
OPERATOR: _____		CODE NO. _____	
PARISH: _____		CODE NO. _____	
FIELD: _____		CODE NO. _____	
SUBMITTED BY: _____		DATE: <u>DEC 19 2025</u>	
TYPED NAME AND TITLE		DATE: <u>12/15/25</u>	
SIGNATURE: _____		DATE: <u>4/13/2026</u>	
FORMER OPERATOR REPRESENTATIVE		DATE: _____	
Phone No.: _____		Date: _____	
OFFICE USE ONLY		OFFICE USE ONLY	
DISTRICT APPROVAL: _____ DISTRICT MANAGER		DATE: _____	
ISSUED BY: _____ ISSUING AUTHORITY		DATE: _____	

FORM MD-10-R-A-1 (07/2014)

SN 255103

Unit Order Information

Well orientation: South to north

Top of Perfs Unit

Unit	HA RA SUY
Order No.	191-H-259
Effective	9/4/2019
Acreage	640
Product	Gas
Completion	12/2/2025
LUW	617523
Percentage	50.10%
Field	Caspiana 2360
Multi Parish Unit?	DeSoto 16

Bottom Perfs Unit

Unit	HA RA SUQ
Order No.	191-H-259
Effective	9/4/2019
Acreage	640
Product	Gas
Completion	12/2/2025
LUW	615247
Percentage	49.90%
Field	Caspiana 2360
Multi Parish Unit?	DeSoto 16

STATE OF LOUISIANA
OFFICE OF ENFORCEMENT

Dec. 17, 2025

ATTN: PERMIT SECTION
FROM: SHREVEPORT DISTRICT OFFICE

App. for an amended permit to drill from EXPAND OPERATING LLC

Sn- 255103 the HA RA SUY;HERVY 2&35-15-14 HC #1-ALT

CASPIANA Field, DE SOTO Parish

Invoice # 1319643

Check # on line in the amount of \$ 378.00 (3 wells)

Applicable Office of Conservation Order Nos. 29-B & 191-H-259

Remarks:

- Form MD-10-R-A-1 filed for the "as-drilled" BHL of the cross unit horizontal alternate unit well at an exceptional location for HA RA SUQ and HA RA SUY - surface location remains the same.
- Complies with Order No. 191-H-259, effective 09/04/2019, for a location in the general manner as shown on the plat attached to the order provided that no portion of the perforated length of lateral is located closer than 330 feet to any unit boundary except for the common unit boundary between the two units.
- Completed in the HA RA on 12/02/2025.
- Wellbore schematic included with above paperwork.
- HA RA SUQ unit formed under Order 191-H-5. HA RA SUY unit formed under Order 191-H-20.
- Unit well for HA RA SUQ is SN242486. Unit well for HA RA SUY is SN242347.

- Percents Verified **RECEIVED**

- Perfs deeper than def DEC 19 2025

but match unit well Dept of Conservation & Energy
Oil & Gas Permits

- 1st of 3 Cross unit laterals (191-H-259)

- Alt for both units

BY: Marie Maranto
District Engineer

Expand Operating, LLC-
HA RA SUY;Hervey 2&35-15-14HC
NO. 1 ALT WELL
Revised February 5, 2026 as follows:
SURFACE LOCATION being 818' from the South
Line and 1435' from the East Line of Section 2,
located in Section 2, T15N-R14W.
ACTUAL BOTTOM HOLE LOCATION being 351'
from the North Line and 723' from the West Line of
Section 35, located in Section 35, T16N-R14W,
DeSoto Parish, Louisiana.

NOTE: This plat is not a property boundary survey and as
such does not comply with the "Standards of Practice for
Property Boundary Surveys" as adopted by the Louisiana
Professional Engineering and Land Surveying Board; it is
however in compliance with Statewide Order 29-B and
29-E. (Title 43 of the Louisiana Administrative Code)

There are no residential or commercial
structures, not owned by the applicant, his
lessor, or other predecessor in interest,
within a 500' radius of the proposed
location as of February 5, 2026.



SCALE: 1"= 2000'

0' 1000' 2000'

Producing Lateral Length			
Section	Unit	Length	Percentage
2	HA RA SUY	5,029.66'	50.10%
35	HA RA SUQ	5,010.34'	49.90%
Total:		10,040.00'	100.00%

Note: This well is not subject to the
provisions of Order U-HS.

HA RA SUY;HERVEY 2&35-15-14HC
NO. 1 ALT WELL

X = 1,608,241' (NAD27 La N)
Y = 601,227'
LAT. 32.313218° N (NAD27)
LONG. 93.768083° W
X = 2,889,028' (NAD83/86 La N)
Y = 661,936'
LAT. 32.313375° N (NAD83/86)
LONG. 93.768263° W
ELEV. +204.71' (NAVD88)

UPP @ 12,298' MD
X = 1,606,864' (NAD27 La N)
Y = 600,783'
LAT. 32.311952° N (NAD27)
LONG. 93.772520° W

LPP @ 22,338' MD
X = 1,605,242' (NAD27 La N)
Y = 610,658'
LAT. 32.339044° N (NAD27)
LONG. 93.778147° W

ACTUAL BOTTOM HOLE
LOCATION @ 22,353' MD

X = 1,605,239' (NAD27 La N)
Y = 610,673'
LAT. 32.339084° N (NAD27)
LONG. 93.778157° W
X = 2,886,026' (NAD83/86 La N)
Y = 671,382'
LAT. 32.339241° N (NAD83/86)
LONG. 93.778337° W

Sec. 27

Sec. 26

Sec. 25

NW Corner of
Approved HA
RA SUQ Unit
(NAD 27)
X= 1,604,520.11
Y= 611,032.96

ACTUAL BOTTOM HOLE LOCATION:
Expand Operating, LLC-
HA RA SUY;HERVEY 2&35-15-14HC
NO. 1 ALT WELL

NE Corner of
Approved HA
RA SUQ Unit
(NAD 27)
X= 1,609,799.06
Y= 610,967.78

RECEIVED

APR -1 2026

Dept of Conservation & Energy
Oil & Gas Permits

Sec. 36

Sec. 34

Sec. 35

DeSoto Parish Police Jury
Deborah Kathryn
Hargrove Monarch

Arbala
AD3, LLC

A-One L & J Properties, LLC
Michael Drummond, et ux

SW Corner of
Approved HA
RA SUQ Unit
(NAD 27)
X= 1,604,459.34
Y= 605,763.47

SE Corner of
Approved HA
RA SUQ Unit
(NAD 27)
X= 1,609,698.83
Y= 605,580.64

T16N-R14W

T15N-R14W

Ronald E. Johnson
Mortgage Marketing Corp.
BJQ Enterprises, Inc.
Milton E. Quarles, et ux
John T. Calderon
Otto P. Turner

HA RA SUQ
Order: 109-H-5

HA RA SUY
Order: 191-H-20

Sec. 3

Sec. 2

Sec. 1

Joseph C. Guillory, et ux
Dorwell M. Hayes, et ux
Annie Mae Mitchell, et al
Donald G. Hervey, et al

SE Corner of
Approved HA
RA SUY Unit
(NAD 27)
X= 1,609,670.98
Y= 600,382.30

SURFACE LOCATION:
Expand Operating, LLC-
HA RA SUY;HERVEY 2&35-15-14HC
NO. 1 ALT WELL

Sec. 10

Sec. 11

Sec. 12

SW Corner of
Approved HA
RA SUY Unit
(NAD 27)
X= 1,604,393.48
Y= 600,481.20

Hubert Hervey, Jr.



C. H. Fenstermaker
& Associates, L.L.C.
135 Regency Sq.
Lafayette, LA 70508
Ph. 337-237-2200
Fax. 337-232-3299



Danielle B. McMath
Professional Land Surveyor
Registration No. 5297

AS-DRILLED PLAT
HA RA SUY;HERVEY 2&35-15-14HC
NO. 1 ALT WELL
EXPAND OPERATING, LLC
SITUATED IN
SECTION 2, T15N-R14W
DE SOTO PARISH, LOUISIANA

REVISIONS	
02/05/2026 ADF	Revised producing lateral.
DRAWN BY: ADF	PROJ. MGR.: DBM
DATE: 11/12/2025	
JOB#: 2247835.51	SHEET 1 OF 1

T:\2024\2247835.51\DWG\HA RA SUY;HERVEY 2&35-15-14HC No. 1 ALT AS-DRILLED.dwg

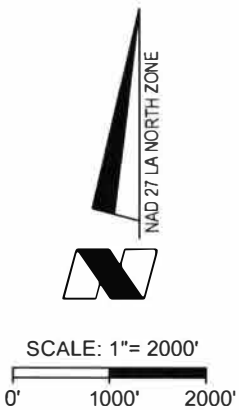
Expand Operating, LLC-
HA RA SUY;HERVEY 2&35-15-14HC
NO. 1 ALT WELL
Revised February 5, 2026 as follows:
SURFACE LOCATION being 818' from the South
Line and 1435' from the East Line of Section 2,
located in Section 2, T15N-R14W.
ACTUAL BOTTOM HOLE LOCATION being 351'
from the North Line and 723' from the West Line of
Section 35, located in Section 35, T16N-R14W,
DeSoto Parish, Louisiana.

NOTE: This plat is not a property boundary survey and as
such does not comply with the "Standards of Practice for
Property Boundary Surveys" as adopted by the Louisiana
Professional Engineering and Land Surveying Board; it is
however in compliance with Statewide Order 29-B and
29-E. (Title 43 of the Louisiana Administrative Code)

There are no residential or commercial
structures, not owned by the applicant, his
lessor, or other predecessor in interest,
within a 500' radius of the proposed
location as of February 5, 2026.

Producing Lateral Length			
Section	Unit	Length	Percentage
2	HA RA SUY	5,029.66'	50.10%
35	HA RA SUQ	5,010.34'	49.90%
Total:		10,040.00'	100.00%

Note: This well is not subject to the
provisions of Order U-HS.



HA RA SUY;HERVEY 2&35-15-14HC
NO. 1 ALT WELL

X = 1,608,241' (NAD27 La N)
Y = 601,227'
LAT. 32.313218° N (NAD27)
LONG. 93.768083° W
X = 2,889,028' (NAD83/86 La N)
Y = 661,936'
LAT. 32.313375° N (NAD83/86)
LONG. 93.768263° W
ELEV. +204.71' (NAVD88)

UPP @ 12,298' MD
X = 1,606,864' (NAD27 La N)
Y = 600,783'
LAT. 32.311952° N (NAD27)
LONG. 93.772520° W

LPP @ 22,338' MD
X = 1,605,242' (NAD27 La N)
Y = 610,658'
LAT. 32.339044° N (NAD27)
LONG. 93.778147° W

ACTUAL BOTTOM HOLE
LOCATION @ 22,353' MD
X = 1,605,239' (NAD27 La N)
Y = 610,673'
LAT. 32.339084° N (NAD27)
LONG. 93.778157° W
X = 2,886,026' (NAD83/86 La N)
Y = 671,382'
LAT. 32.339241° N (NAD83/86)
LONG. 93.778337° W

Sec. 27

Sec. 26

Sec. 25

NW Corner of
Approved HA
RA SUQ Unit
(NAD 27)
X= 1,604,520.11
Y= 611,032.96

ACTUAL BOTTOM HOLE LOCATION:
Expand Operating, LLC-
HA RA SUY;HERVEY 2&35-15-14HC
NO. 1 ALT WELL

NE Corner of
Approved HA
RA SUQ Unit
(NAD 27)
X= 1,609,799.06
Y= 610,967.78

RECEIVED

APR -1 2026

Dept of Conservation & Energy
Oil & Gas Permits

Sec. 36

Sec. 34

Sec. 35

DeSoto Parish Police Jury
Deborah Kathryn
Hargrove Monarch

Arbala
AD3, LLC

A-One L & J Properties, LLC
Michael Drummond, et ux
SW Corner of
Approved HA
RA SUQ Unit
(NAD 27)
X= 1,604,459.34
Y= 605,763.47

SE Corner of
Approved HA
RA SUQ Unit
(NAD 27)
X= 1,609,698.83
Y= 605,580.64

T16N-R14W

T15N-R14W

Ronald E. Johnson
Mortgage Marketing Corp.
BJQ Enterprises, Inc.
Milton E. Quarles, et ux
John T. Calderon
Otto P. Turner

Sec. 3

Sec. 2

Sec. 1

Joseph C. Guillory, et ux
Doswell M. Hayes, et ux
Annie Mae Mitchell, et al
Donald G. Hervey, et al

SE Corner of
Approved HA
RA SUY Unit
(NAD 27)
X= 1,609,670.98
Y= 600,382.30

SURFACE LOCATION:
Expand Operating, LLC-
HA RA SUY;HERVEY 2&35-15-14HC
NO. 1 ALT WELL

SW Corner of
Approved HA
RA SUY Unit
(NAD 27)
X= 1,604,393.48
Y= 600,481.20

Sec. 10

Sec. 11

Sec. 12



C. H. Fenstermaker
& Associates, L.L.C.
135 Regency Sq.
Lafayette, LA 70508
Ph. 337-237-2200
Fax. 337-232-3299



Danielle B. McMath
Professional Land Surveyor
Registration No. 5297

AS-DRILLED PLAT
HA RA SUY;HERVEY 2&35-15-14HC
NO. 1 ALT WELL
EXPAND OPERATING, LLC
SITUATED IN
SECTION 2, T15N-R14W
DESOTO PARISH, LOUISIANA

REVISIONS	
02/05/2026 ADF	Revised producing lateral.
DRAWN BY: ADF	PROJ. MGR.: DBM
DATE: 11/12/2025	
JOB#: 2247835.51	SHEET 1 OF 1

T:\2024\2247835.51\DWG\HA RA SUY;HERVEY 2&35-15-14HC No 1 ALT AS-DRILLED.dwg

Well Information Summary

WELLS

SERIAL	WELL NAME	WELL NUM	ORG ID	FIELD	PARISH	PROD TYPE	SEC	TWN	RGE	EFFECTIVE DATE	API NUM	PRMT DATE	SPUD DATE	STAT DATE	ST CD
255104	HA RA SUY;HERVEY 2&35-15-14 HC	002-ALT	E1152	2360	16	20	002	15N	14W	12/02/2025	17031274720000	04/25/2025	06/07/2025	12/02/2025	10

WELL SURFACE COORDINATES

SURFACE LONGITUDE	SURFACE LATITUDE	LAMBERT X	LAMBERT Y	GROUND ELEVATION	ZONE	DATUM
0-0-0	0-0-0	1608261	601227	204.95	N	NAD-27

WELL SURFACE COORDINATES GENERATED BY DCE

UTMX 83	UTMY 83	LONGITUDE 83	LATITUDE 83
427685.10540969	3575432.65185289	-93.76821331	32.31339023

BOTTOM HOLE COORD

EFFECTIVE DATE	END DATE	PLUGBACK TOTAL DEPTH	TRUE VERTICAL DEPTH	MEASURED DEPTH	LAT DEG	LAT MIN	LAT SEC	LONG DEG	LONG MIN	LONG SEC	COORDINATE SOURCE	LAMBERT X	LAMBERT Y	ZONE	COORDINATE SYSTEM
12/02/2025		22179	11784	22196							02	1607073	610656	N	01
07/18/2025	12/01/2025		11784	22196							04	1606746	610675	N	01
04/25/2025	07/17/2025		14000	27000							02	1606746	610675	N	01

WELL HISTORY

SERIAL	WELL NAME	WELL NUM	ORG ID	FIELD	ST CD	PT	WELL CLASS	EFF DATE	END DATE	STAT DATE
255104	HA RA SUY;HERVEY 2&35-15-14 HC	002-ALT	E1152	2360	10	20		12/02/2025		12/02/2025
255104	HA RA SUY;HERVEY 2&35-15-14 HC	002-ALT	E1152	2360	31	00		07/18/2025	12/01/2025	07/18/2025
255104	HA RA SUY;HERVEY 2&35-15-14 HC	002-ALT	E1152	2360	01	00		04/25/2025	07/17/2025	04/25/2025

SCOUT INFO

REPORT DATE	WELL STATUS	MEASURED DEPTH	TRUE VERT DEPTH	DETAIL
12/17/2025	10	22196	11784	COMPLETED 12/2/25; GAS; 36400 MCFD; 6471# CP; PERFS 12213-22179'
10/02/2025	08	22196	11784	SCOUT CODE 8: 9/23/2025 TUES. 6:00 AM -FRAC STG'S 54-56 ; P&P STG'S 55-57; 9/24/2025 WED. 6:00 AM -FRAC STG'S 57-59 ; P&P STG'S 58-59; 9/25/2025 THURS. 6:00 AM -SET KILL PLUG AND RDMO.; 9/26/2025 FRI. 6:00 AM -MIRU COIL; 9/27/2025 SAT. 6:00 AM -WOAW; 9/28/2025 SUN. 6:00 AM -WOAW; 9/29/2025 MON. 6:00 AM -DRILL PLUGS KP 1 OF 1 CFP'S 1-32 OF 58
09/25/2025	09	22196	11784	(PWH) SCOUT CODE 9: 9/16/2025 TUES. 6:00 AM -FRAC STG'S 36-37 ; P&P STG'S 37-38; 9/17/2025 WED. 6:00 AM -FRAC STG'S 38-40 ; P&P STG'S 39-41; 9/18/2025 THURS. 6:00 AM -FRAC STG'S 41-43 ; P&P STG'S 42-43; 9/19/2025 FRI. 6:00 AM -FRAC STG'S 44-46 ; P&P STG'S 44-46; 9/20/2025 SAT. 6:00 AM -FRAC STG'S 47-48 ; P&P STG'S 47-49; 9/21/2025 SUN. 6:00 AM -FRAC STG'S 49-51 ; P&P STG'S 50-52; 9/22/2025 MON. 6:00 AM -FRAC STG'S 52-53 ; P&P STG'S 53-54
09/16/2025	09	22196	11784	SCOUT CODE 9: 9/9/2025 TUES. 6:00 AM -FRAC STG'S 20-21 ; P&P STG'S 20-22; 9/10/2025 WED. 6:00 AM -FRAC STG'S 22-23 ; P&P STG'S 23-24; 9/11/2025 THURS. 6:00 AM -FRAC STG'S 24-26 ; P&P STG'S 25-26; 9/12/2025 FRI. 6:00 AM -FRAC STG'S 27-28 ; P&P STG'S 27-29; 9/13/2025 SAT. 6:00 AM -FRAC STG'S 29-30 ; P&P STG'S 30-31; 9/14/2025 SUN. 6:00 AM -FRAC STG'S 31-32 ; P&P STG'S 32-33; 9/15/2025 MON. 6:00 AM -FRAC STG'S 33-35 ; P&P STG'S 34-36
09/08/2025	09	22196	11784	SCOUT CODE 9: 9/2/2025 TUES. 6:00 AM -FRAC STG'S 5-6 ; P&P STG'S 5-6; 9/3/2025 WED. 6:00 AM -FRAC STG'S 7-8 ; P&P STG'S 7-9; 9/4/2025 THURS. 6:00 AM -FRAC STG'S 9-10 ; P&P STG'S 10; 9/5/2025 FRI. 6:00 AM -FRAC STG'S 11-12 ; P&P STG'S 11-12; 9/6/2025 SAT. 6:00 AM -FRAC STG'S 13-14 ; P&P STG'S 13-15; 9/7/2025 SUN. 6:00 AM -FRAC STG'S 15-17 ; P&P STG'S 16-17; 9/8/2025 MON. 6:00 AM -FRAC STG'S 18-19 ; P&P STG'S 18-19
09/04/2025	09	22196	11784	SCOUT CODE 9: 8/26/2025 TUES. 6:00 AM -MIRU AUX FRAC EQUIPMENT; 8/27/2025 WED. 6:00 AM -MIRU AUX FRAC EQUIPMENT; 8/28/2025 THURS. 6:00 AM -MIRU AUX FRAC EQUIPMENT; 8/29/2025 FRI. 6:00 AM -MIRU

				AUX FRAC EQUIPMENT; 8/30/2025 SAT. 6:00 AM -CONT MIRU FRAC EQUIP.; 8/31/2025 SUN. 6:00 AM -FRAC STG'S 1 ; P&P STG'S 2; 9/1/2025 MON. 6:00 AM -FRAC STG'S 3 -4 ; P&P STG'S 3 -4
07/24/2025	31	22196	11784	SCOUT CODE 31: 7/15/2025 TUES. 6:00 AM -DRILL LATERAL @ 12,792'; 7/16/2025 WED. 6:00 AM -DRILL LATERAL @ 15,309'; 7/17/2025 THURS. 6:00 AM -DRILL LATERAL FROM 15,309' TO 18,050'; 7/18/2025 FRI. 6:00 AM -DRILL LATERAL FROM 18,050' TO 20,560'; 7/19/2025 SAT. 6:00 AM -DRILL LATERAL FROM 20,560' TO 22,196'. CIRCULATE HOLE CLEAN. STRIP OUT OF HOLE TO 21,150'; 7/20/2025 SUN. 6:00 AM -STRIP OUT OF HOLE FROM 21,150' TO 6,350'. TOOH TO BHA. LAY DOWN BHA. RIG UP AND RUN PRODUCTION CASING TO 9,400'.; 7/21/2025 MON. 6:00 AM -RUN PRODUCTION CASING TO 13,100', REAM PRODUCTION CASING TO 22,146', CIRCULATE CASING CAPACITY.
07/17/2025	05	11112		SCOUT CODE 5: 7/8/2025 TUES. 6:00 AM -DRILL T 8,691'; 7/9/2025 WED. 6:00 AM -DRILL TO 8,784', CIRC., POOH, L/D BHA, P/U NEW BHA, TIH TO 6,250', REAM TO 7,100', TIH TO 8,650', REAM TO 8,784', DRILL TO 9,045'; 7/10/2025 THURS. 6:00 AM -DRILL TO 9,477', CIRC., POOH TO BHA, CHANGE BIT AND MOTOR, TIH; 7/11/2025 FRI. 6:00 AM -TIH TO 9,443', REAM TO 9,477', DRILL TO 10,328'; 7/12/2025 SAT. 6:00 AM -DRILL TO 11,112', CIRC., WIPER TRIP TO 9,477', CIRC., POOH; 7/13/2025 SUN. 6:00 AM -POOH, L/D BHA, PULL WEAR BUSHING, DRY FIT LANDING JT., CHANGE TOP RAMS TO 9-5/8" CASING RAMS, TEST DOOR SEALS TO 1,500 PSI, R/U CASING CREW AND RUN 9-5/8" CASING.; 7/14/2025 MON. 6:00 AM -RUN CASING AND LAND @ 11,102', CIRC.,R/U AND CEMENT CASING,WASH THRU STACK, BACKOUT LANDING JT., RUN CAMERON WASH TOOL, ATTEMPT TO RUN AND TEST PACKOFF,
07/07/2025	05	7830		"SCOUT CODE 5: 7/1/2025 TUES. 6:00 AM -NO ACTIVITY; 7/2/2025 WED. 6:00 AM -R/D ON GSMEP PAD, MOVE TUBULARS AND MISC EQUIPMENT R/D 90% (HAULED 34 LOADS TUBULARS AND MISC EQUIPMENT); 7/3/2025 THURS. 6:00 AM -R/D, MOVE AND R/U ON ALERION 14-23-26HC 001ALT MOVED 95% SET IN 90% R/U 40% (HAULED 56 LOADS); 7/4/2025 FRI. 6:00 AM -MIRU, RUN OUT RIG, R/U CHOKES AND GAS BUSTER, N/U BOP AND R/U DUMP LINES. (DEPTH CORRECTED FOR H&P RIG 444 KB) (RIG ACCEPTED ON COMPANY TIME 7/4/25 @ 00:00HRS); 7/5/2025 SAT. 6:00 AM -TEST BOP, TEST CSG, P/U BHA, TIH AND DRILL, SIMULATE F.I.T., DRILL OUT SHOE TRACK, C&CM, PERFORMED 12.5PPG EWM F.I.T., DRILL INTERMEDIATE HOLE TO 2,620', C&CM TROUBLE SHOOTING MWD WHILE WEIGHTING UP ACTIVE MUD SYSTEM.; 7/6/2025 SUN. 6:00 AM -POOH AND C/O MWD, TIH AND DRILL INTERMEDIATE HOLE SECTION TO 5,235'; 7/7/2025 MON. 6:00 AM -DRILL INTERMEDIATE HOLE SECTION AS PER PLAN #3 TO 7,830'."
06/23/2025	07	10745		SCOUT CODE 7: 6/17/2025 TUES. 6:00 AM -WALK RIG, TEST BOP, P/U BHA, TIH, DRILL OUT SHOE TRACK, FIT TEST, DRILL AHEAD; 6/18/2025 WED. 6:00 AM -DRILLING INTERMEDIATE @ 6,978'; 6/19/2025 THURS. 6:00 AM -DRILL INTERMEDIATE TO 7,249', TOOH DUE TO LOW ROP, CHANGE OUT BHA, TIH TO 1,900'; 6/20/2025 FRI. 6:00 AM -TIH TO 7,249', DRILL INTERMEDIATE FROM 7,249' TO 8,375'; 6/21/2025 SAT. 6:00 AM -DRILL INTERMEDIATE FROM 8,375' TO 9,062', CIRCULATE HI-VIS SWEEPS AROUND, TOOH TO BHA, CHANGE OUT BHA.; 6/22/2025 SUN. 6:00 AM -TIH & WASH LAST TWO STANDS DOWN TO 9,062', DRILL INTERMEDIATE FROM 9,062' TO 10,206'; 6/23/2025 MON. 6:00 AM -DRILL INTERMEDIATE FROM 10,206' TO 10,745', CUC, TOOH, RIG UP & RUN 7.5/8" CASING TO 6,800'; RUN & LAND 7.5/8" CASING, CIRCULATE & CEMENT CASING, N/D BOP'S, RELEASE RIG TO HERVEY 2&35-15-14 3HC.
06/11/2025	07	1945		SCOUT CODE 7: 7/3/2025 TUES. 6:00 AM -NA; 7/4/2025 WED. 6:00 AM -NA; 7/5/2025 THURS. 6:00 AM -NA; 7/6/2025 FRI. 6:00 AM -NA; 7/7/2025 SAT. 6:00 AM -NA; 7/8/2025 SUN. 6:00 AM -WALK RIG, R/U DIVERTER, P/U BHA, DRILL SURFACE F/110' T/1,945', TOOH, R/U & RUN 10 3/4" SURFACE CASING.; 7/9/2025 MON. 6:00 AM -RUN 10 3/4" SURFACE CASING, CEMENT SURFACE CASING, PREP TO WALK RIG TO HERVEY 1 HC
04/25/2025	01	27000		818' FSL & 1415' FEL OF SEC 2-T15N-R14W. PBHL: 330' FNL & 2230' FWL OF SEC 35-T16N-R14W.

PERFORATIONS

SERIAL NUM	COMPLETION DATE	UPPER PERF	LOWER PERF	SANDS	RESERVOIR
255104	12/02/2025	12213	22179	HAYNESVILLE	RA

WELL TESTS

RPT TYP	TEST DATE	RPT DATE	OIL POT	COND	GAS DEL	WATER	BSW%	FLOW PRES	SHUTIN PRES	CHOKE	UPPER PERF	LOWER PERF	BOT HOLE PRES
DT-1	03/10/2026	05/01/2026			24965	751					12213	22179	
SDM2G	12/08/2025	12/08/2025			36400	864		6471		AUTO	12213	22179	

WELL ALLOWABLES

EFFECTIVE DATE	END DATE	LUW CODE	LUW TYPE CODE	ALLOWABLE	ESTIMATED POTENTIAL	CURRENT ALLOWABLE TYPE
01/01/2026	06/30/2026	617523	2	18145		3
01/01/2026	06/30/2026	615247	2	18255		3
12/02/2025	12/31/2025	617523	2	18145		3
12/02/2025	12/31/2025	615247	2	18255		3

LEASE\UNIT\WELL ASSOCIATION HISTORY

EFFECTIVE DATE	END DATE	LUW CODE	LUW TYPE	LUW NAME	REPORTING PCT	PRIMARY LUW FLAG
12/02/2025		617523	2-UNIT	HA RA SUY;	49.85	Y

12/02/2025		615247	2-UNIT	HA RA SUQ;	50.15	N
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LEASE\UNIT\WELL PRODUCTION

RPT DATE	L UW CODE	STORAGE FAC	DOC USE	WELL CNT	OPENING STK	OIL PROD(BBL)	GAS PROD(MCF)	DISPOSITION	CLOSING STK	PARISH
02/01/2026	615247			4	0	0	0	0	0	CADDO
02/01/2026	615247			4	0	0	1099495	0	0	DE SOTO
01/01/2026	615247			4	0	0	435105	0	0	DE SOTO
01/01/2026	615247			4	0	0	755465	0	0	CADDO
12/01/2025	615247			4	0	0	1423131	0	0	DE SOTO
12/01/2025	615247			4	0	0	0	0	0	CADDO
02/01/2026	617523			4	0	0	1096752	0	0	DE SOTO
01/01/2026	617523			2	0	0	1212934	0	0	DE SOTO
12/01/2025	617523			4	0	0	1404223	0	0	DE SOTO

CASING

COMPLETION DATE	CASING SIZE	WELLBORE SIZE	CASING WEIGHT	UPPER SET DEPTH	LOWER SET DEPTH	CEMENT SACKS	TEST PRESSURE	HOURS UNDER PRESSURE	TEST DATE	CASING PULLED	CREATION PROCESS
12/02/2025	0512	0634	23	27	11066	1360	3200	.5	08/15/2025		WELL HISTORY
12/02/2025	0758	0978	29.7	1930	10733	1037	3000	.5	07/13/2025		WELL HISTORY
07/18/2025	0500	0634	18	11066	22175	1360					WELL HISTORY
07/18/2025	0512		23	27	11066						WELL HISTORY
07/18/2025	0758	0978	26.4	1930	10733	1037	3000	.5	07/13/2025		WELL HISTORY
07/18/2025	1034	1312	40.5	28	1930	910	1500	.5	06/09/2025		WELL HISTORY

PLUG AND ABANDON

P AND A DATE	LOCATION TYPE	CASING CUT TYPE	CASING CUT DEPTH	MUD WEIGHT LEFT	COMMENTS
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PLUGS

PLUG TYPE	UPPER PLUG DEPTH	LOWER PLUG DEPTH	SACKS OF CEMENT	SLURRY WEIGHT
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TUBING AND PACKERS

COMPLETION DATE	TUBING SIZE	TUBING LOWER DEPTH	TUBING UPPER DEPTH	PACKER DEPTH
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WORK PERMITS

REFERENCE NUMBER	APPLICATION DATE	EXPIRATION DATE	WORK PERMIT TYPE	WORK PERMIT STATUS	WORK PERMIT STATUS_DATE	TOTAL DEPTH	WORK_PERFORMED	DOCUMENTATION RECEIPT DATE	TEST SAND	WORK DESCRIPTION
521-25-3-14	07/31/2025	07/28/2026	HYDRAULIC FRACTURE STIMULATION	APPROVED	07/31/2025	22196	Y			PERFORATE THE HAYNESVILLE RESERVOIR & FRAC/STIMULATE EACH STAGE AS NECESSARY.





STATE OF LOUISIANA
OFFICE OF CONSERVATION
PERMIT TO DRILL FOR MINERALS

FEE: \$1264

SERIAL NO. 255104

Approval Date 04/25/2025

API 17031274720000

Expiration Date 10/21/2025

16 PARISH DE SOTO
2360 FIELD CASPIANA
E1152 OPERATOR EXPAND OPERATING LLC
6100 N WESTERN AVENUE
OKLAHOMA CITY, OK 73118-

HORIZONTAL

SHREVEPORT DISTRICT

WELL NAME: HA RA SUY; HERVEY 2&35-15-14 HC

NO. 002-ALT

LOCATION OF WELL: SEC 002 T 15N R 14W M W

818' FSL & 1415' FEL OF SEC 2-T15N-R14W. PBHL: 330' FNL & 2230' FWL OF SEC 35-T16N-R14W.

ZONE OR RESERVOIR OF PROPOSED COMPLETION: HAYNESVILLE

Measured Depth 27000

True Vertical Depth 14000

APPLICABLE OFFICE OF CONSERVATION ORDERS: 29B-1

STEVEN M. GIAMBRONE

ANDREW ROUSSELL

INTERIM DIRECTOR CONSERVATION

ISSUING AUTHORITY

WELL FILE

TYLER PATRICK GRAY
SECRETARY

DUSTIN H. DAVIDSON
DEPUTY SECRETARY



MARK NORMAND, JR.
UNDERSECRETARY

MANNY ACOSTA
OIL SPILL COORDINATOR

KEITH O. LOVELL
ASSISTANT SECRETARY
COASTAL MANAGEMENT

AMANDA MCCLINTON
ASSISTANT SECRETARY
ENERGY

ANDREW B. YOUNG
ASSISTANT SECRETARY
MINERAL RESOURCES

STEVEN M. GIAMBRONE
INTERIM DIRECTOR
CONSERVATION

DEPARTMENT OF ENERGY AND NATURAL RESOURCES

APRIL 29, 2025

EXPAND OPERATING LLC
6100 N WESTERN AVENUE
OKLAHOMA CITY, OK 73118-

*** PERMIT TO DRILL ***

RE: DE SOTO PARISH
CASPIANA FIELD
HA RA SUY; HERVEY 2&35-15-14 HC NO. 002-ALT
SER NO. 255104

DEAR SIR OR MADAM:

WE ARE ISSUING THE ATTACHED PERMIT TO DRILL FOR THE ABOVE REFERENCED WELL WITH THE UNDERSTANDING THAT YOU WILL COMPLY WITH THE FOLLOWING CONDITIONS:

FURNISH THE APPROPRIATE DISTRICT MANAGER WITH A DIRECTIONAL SURVEY AS PROOF THAT THE WELL HAS BEEN DRILLED IN COMPLIANCE WITH THE PROVISIONS OF LAC 43:XIX 135.C (STATEWIDE ORDER NO. 29-B)

NO ALLOWABLE WILL BE ASSIGNED SAID WELL UNLESS IN COMPLIANCE WITH THE ABOVE PROVISIONS.

PLEASE BE ADVISED THAT A PERMIT TO DRILL ISSUED BY THE OFFICE OF CONSERVATION DOES NOT RELIEVE THE OPERATOR OF THE OBLIGATION TO COMPLY WITH FEDERAL, LOCAL, OR OTHER STATE PERMITTING OR REGULATORY REQUIREMENTS.

YOURS TRULY,

STEVEN M. GIAMBRONE
INTERIM DIRECTOR CONSERVATION

ANDREW ROUSSELL

AR:PC
CC: PATRICK RALEY
SHREVEPORT, DISTRICT MANAGER
29B-1

STATE OF LOUISIANA
OFFICE OF CONSERVATION FORM MD-10-R-1
APPLICATION FOR PERMIT TO DRILL FOR MINERALS
TYPE ONLY - FILE IN DUPLICATE

(Print on Buff color paper)

OFFICE USE ONLY
Bond Received, 296-1, CC51, CC53, horizontal
SERIAL NUMBER: 255104

Company Data

DATE OF APPLICATION: April 9, 2025OPERATOR: EXPAND OPERATING LLCCODE NO. E1152ADDRESS: 6100 N WESTERN AVENUEOKLAHOMA CITY, OK 73118

Well Data

PARISH: DESOTOCODE NO. 16FIELD: CASPIANACODE NO. 2360WELL NAME: HA RA SUY; HERVEY 2835-15-14 HCWell No.: 002-ALTLOCATION: Section: 2 Township: 15N Range: 14W

SL: 818' FSL & 1415' FEL OF SEC 2, T15N-14W

LOCATION DESCRIPTION: PBHL: 330' FNL & 2230' FWL OF SEC 35, T16N-R14W

PRODUCT: ☐ OIL ☒ GAS ☐ OTHERProposed Total Depth: 27,000 feet - Measured Depth(and TVD, if applicable) 14,000 feet - True Vertical DepthApplication Fee: \$1,264.00 Check No.: INVOICE6 Month ☒1 Year ☐

1307196

TYPE OF WELL

☒ New Well☐ Redrill☐ Dual☐ Lease☒ Unit☐ Repermit☐ Straight☐ Directional☒ Horizontal☐ SPC Plan
(on water)PROPOSED ZONE OF COMPLETION: HAYNESVILLEAPPLICABLE CONSERVATION ORDERS: 29-B-1, 191-H-259 EFFECTIVE 9/4/19

SERIAL NUMBER OF REDRILL OR REPERMIT (if applicable): _____

CONTACT DATA

SEND PERMIT TO: SARA OBERLANDER

ADDRESS: _____

(if different than above)

FOR ADDITIONAL
INFORMATION, CONTACT: _____SARA OBERLANDERPhone No.: 318-716-7168

OFFICE OF CONSERVATION

PERMIT SECTION

APPLICANT

SUBMITTED BY: SARA OBERLANDER, REGULATORY SPECIALIST

TYPED NAME AND TITLE

SIGNATURE: _____

APPLICANT'S REPRESENTATIVE SIGNATURE

OFFICE USE ONLY

FINANCIAL SECURITY REQUIRED PRIOR TO PERMITTING: _____

☐ Yes☐ No

DISTRICT APPROVAL: _____

ISSUED BY: _____

API No.: _____

DATE: 4/15/2025DATE: 04/25/2025Exp.: 10/21/2025

**STATE OF LOUISIANA
OFFICE OF CONSERVATION**

APRIL 17, 2025

TO: BATON ROUGE OFFICE
FROM: SHREVEPORT DISTRICT OFFICE
ATTN: PERMIT SECTION

Enclosed please find an application from EXPAND OPERATING LLC (E1152)

for permit to drill their HA RA SUY; HERVEY 2&35-15-14HC #2-ALT

CASPIANA Field, DESOTO Parish.

Also enclosed please find:

Check No. ONLINE Inv# 1307196 \$3,792.00 (3 WELLS)

☒ Certified well location plat

☒ Affidavit of compliance

Applicable Office of Conservation Order No. 191-H-259 EFF 09/04/19, 29B-1

RECEIVED

APR 22 2025

OFFICE OF CONSERVATION
PERMIT SECTION

Remarks & Recommendations:

Well approved as an alternate unit well at an exceptional location for HA RA SUQ and HA RA SUY in the Caspiana Field under Order 191-H-259, effective 9/4/2019. Order approves a total of three (3) cross-unit wells for HA RA SUQ and HA RA SUY.

Dissimilar location shown on order to that of the attached plat location. Not subject to Order U-HS. All perforation points further than 330' from unit boundaries.

HA RA SUQ unit in the Caspiana Field formed under Order 191-H-5. HA RA SUY unit in the Caspiana Field formed under Order 191-H-20.

Unit well for HA RA SUQ unit in the Caspiana Field is SN-242486. Unit well for HA RA SUY unit in the Caspiana Field is SN-242347. Operator is simultaneously submitting two (2) additional permits for HA RA SUQ and HA RA SUY in the Caspiana Field under Order 191-H-259. Operator has zero (0) remaining unpermitted wells for HA RA SUQ and HA RA SUY in the Caspiana Field under Order 191-H-259.

Adheres to all rules and regulations in regards to boundary and other parameters as established in Order 191-H and subsequent revisions in series as well as 29-B-1 rules with allowance to approved exceptional well spacing based on Docket #19-368 thru 369.

District Engineer

FORM AFLN-1 - AFFIDAVIT OF COMPLIANCE - STATEWIDE ORDER 29-B

HA RA GUY; Hervey 2+35-15-14 HC 002-ALT
WELL NAME AND NUMBER _____ STATE OF LOUISIANA
PARISH/COUNTY OF CADD0

BEFORE ME, the undersigned Notary Public, personally appeared SARA OBERLANDER
REGULATORY SPECIALIST
("affiant") who on their oath did say that they are the _____ (REPRESENTATIVE) of the
EXPAND OPERATING LLC
_____, (COMPANY), authorized to do business in the state of Louisiana, and that said
instrument was signed on behalf of said company, and affiant acknowledged that he executed the same
as the free act and deed of said company.

RULE LAC 43:XIX.103.A.1 – Pre-Entry Notice

BY CHECKING THIS BOX, AFFIANT CERTIFIES:

- ☐ Surface owner was provided pre-entry notice on the _____ day of _____, 20_____. No construction operations of a drilling location for the aforementioned well shall commence less than thirty (30) days after such date.
- ☐ The above referenced well will be drilled from an existing pad on the property in question, there will be no expansion to the existing drilling pad or access road(s) and therefore no notice to the surface owner is required pursuant to R.S. 30:28(l)(1)(f).
- ☒ A contractual relationship presently exists between the operator and the surface owner(s) of the subject well. As such, no pre-entry notice is required pursuant to 30:28(l)(1)(c).
- ☐ No pre-entry notice required pursuant to R.S. 30:28(l)(1)(d). Please attach documentation of Commissioner's waiver.

RULE LAC 43:XIX.103.A.3 – Natural Gas Management

BY CHECKING THIS BOX, AFFIANT CERTIFIES:

- ☒ The operator will be able to connect the well to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the volume of natural gas the operator anticipates the well will produce.
- ☐ The operator will shut-in the well until a natural gas gathering system is available.
- ☐ The operator will evaluate if the well is a candidate for flaring based on economic hardship.
- ☐ The operator will comply with the attached gas capture plan (ensure attachment provided).
- ☐ The well is in a recognized stripper area and as such is exempt from LAC 43:XIX.103.A.3.

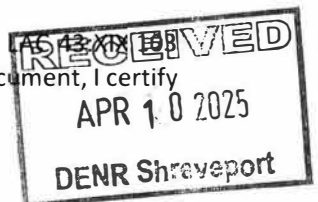
The information in this affidavit meets the requirements of Statewide Order 29-B, Rule LAC 43:XIX.103 and Louisiana R.S. 30:28(l), demonstrating compliance with such order. By signing this document, I certify that the foregoing is true and correct to the best of my knowledge.

Thus done and sworn this 9 day of April, 2025:

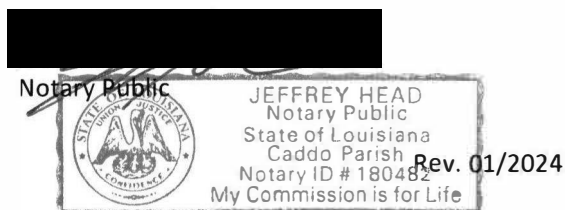
Signature: _____

Print Name: SARA OBERLANDER

Title: REGULATORY SPECIALIST



AFLN-1



Revised September 16, 2024 as follows:
SURFACE LOCATION being 818' from the South Line and 1415' from the East Line of Section 2, located in Section 2, T15N-R14W.
PROPOSED BOTTOM HOLE LOCATION/PLPP to be 330' from the North Line and 2230' from the West line of Section 35, located in Section 35, T16N-R14W. DeSoto Parish, Louisiana.

There are no residential or commercial structures, not owned by the applicant, his lessor, or other predecessor in interest, within a 500' radius of the proposed location as of September 16, 2024.

Office of Conservation
Engineering Division

Producing Lateral Length			
Section	Unit	Length	Percentage
2	HA RA SUY	4,947.08'	49.53%
35	HA RA SUQ	5,040.80'	50.47%
Total:		9,987.88'	100.00%

Note: This well is not subject to the provisions of Order U-HS.

PUPP = PROPOSED UPPER PERFORATION POINT
PLPP = PROPOSED LOWER PERFORATION POINT

X = 1,608,261' (NAD27 La N)
Y = 601,227'
LAT. 32.313218° N (NAD27)
LONG. 93.768018° W
X = 2,889,048' (NAD83/86 La N)
Y = 661,936'
LAT. 32.313376° N (NAD83/86)
LONG. 93.768198° W
ELEV. +204.95' (NAVD88)

PENETRATION POINT
X = 1,607,898' (NAD27 La N)
Y = 600,145'
LAT. 32.310233° N (NAD27)
LONG. 93.769150° W

**PROPOSED UPPER
PERFORATION POINT**
X = 1,607,832' (NAD27 La N)
Y = 600,747'
LAT. 32.311884° N (NAD27)
LONG. 93.769386° W

**PROPOSED BOTTOM
HOLE LOCATION/PLPP**
X = 1,606,746' (NAD27 La N)
Y = 610,675'
LAT. 32.339139° N (NAD27)
LONG. 93.773279° W
X = 2,887,533' (NAD83/86 La N)
Y = 671,385'
LAT. 32.339296° N (NAD83/86)
LONG. 93.773459° W

Sec. 27

Sec. 26

Sec. 25

NW Corner of
Approved HA
RA SUQ Unit

NE Corner of
Approved HA
RA SIQ Unit

Sec. 34

Sec. 35

Sec. 36

✓ Homer W. Davis, Jr.
✓ Jerry Waters
✓ Nancy Mary Diaz
✓ Foremost Mortgage
Mortgage Marketing Corp.
Kenneth R. Judah
Richard E. Formby

SE Corner of
Approved HA
RA SUQ Unit

T16N-R14W

T15N-R14W

Stacy Ray Roge
Judy K. McMenis

- Blackmon Trailer Sales, LLC
- DPPJ-S.A.L. #19651
- Mary Cardwell
- Carl W. Roberts, et ux
- Virginia Renee Mctire
- Dayne Davies Willis
- James A. Castie, et ux
- Otto P. Turner
- Elmo McCall, Sr., et ux
- Earl D. Fontenot
- DPPJ-S.A.L. #19651

Sec. 1

SURFACE LOCATION:
Expand Operating, LLC-
HA RA SUY; HERVEY 2&35-15-14HC
NO. 2 ALT WELL

Sec. 3

Sec. 2

Donald G.
Hervey, et al

SW Corner of
Approved HA
RA SUY Unit

SE Corner of
Approved HA
RA SUY Unit.

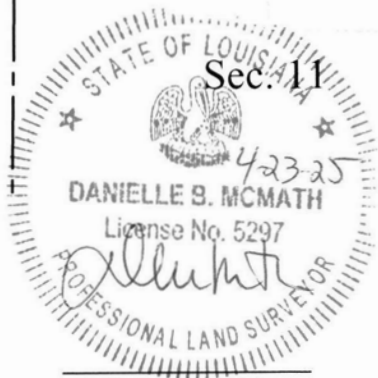
Sec. 10

Note: No Perforation Point to be located closer than 330' from any unit boundary other than the HA RA SUY and HA RA SUQ. PUPP to be no closer than 330' from the South line of Section 2. PLPP to be no closer than 330' from the North line of Section 35.



C. H. Fenstermaker
& Associates, L.L.C.
135 Regency Sq.
Lafayette, LA 70508
Ph. 337-237-2200
Fax. 337-232-3299

REVISIONS	
08/01/2024 ADF	Revised bottom hole location.
09/16/2024 ADF	Revised bottom hole location.
04/23/2025 ADF	Revised parish of BHL.
DRAWN BY: ADF	PROJ. MGR: DBM
DATE: 07/11/2024	
JOB#: 2247835.02	SHEET 1 OF 1



Danielle B. McMath
Professional Land Surveyor
Registration No. 5297

WELL LOCATION PLAT
HA RA SUY; HERVEY 2&35-15-14HC
NO. 2 ALT WELL
EXPAND OPERATING, LLC
SITUATED IN
SECTION 2, T15N-R14W
DESO TO PARISH, LOUISIANA

Well Information Summary

WELLS

SERIAL	WELL NAME	WELL NUM	ORG ID	FIELD	PARISH	PROD TYPE	SEC	TWN	RGE	EFFECTIVE DATE	API NUM	PRMT DATE	SPUD DATE	STAT DATE	ST CD
255105	HA RA SUY;HERVEY 2&35-15-14 HC	003-ALT	E1152	2360	16	20	002	15N	14W	12/02/2025	17031274730000	04/25/2025	06/06/2025	12/02/2025	10

WELL SURFACE COORDINATES

SURFACE LONGITUDE	SURFACE LATITUDE	LAMBERT X	LAMBERT Y	GROUND ELEVATION	ZONE	DATUM
0-0-0	0-0-0	1608281	601227	204.95	N	NAD-27

WELL SURFACE COORDINATES GENERATED BY DCE

UTMX 83	UTMY 83	LONGITUDE 83	LATITUDE 83
427691.19972582	3575432.67949123	-93.76814857	32.31339087

BOTTOM HOLE COORD

EFFECTIVE DATE	END DATE	PLUGBACK TOTAL DEPTH	TRUE VERTICAL DEPTH	MEASURED DEPTH	LAT DEG	LAT MIN	LAT SEC	LONG DEG	LONG MIN	LONG SEC	COORDINATE SOURCE	LAMBERT X	LAMBERT Y	ZONE	COORDINATE SYSTEM
12/02/2025		22061	11628	22079							04	1608137	610248	N	01
07/09/2025	12/01/2025		11628	22079							02	1607953	610661	N	01
04/25/2025	07/08/2025		14000	27000							02	1607953	610661	N	01

WELL HISTORY

SERIAL	WELL NAME	WELL NUM	ORG ID	FIELD	ST CD	PT	WELL CLASS	EFF DATE	END DATE	STAT DATE
255105	HA RA SUY;HERVEY 2&35-15-14 HC	003-ALT	E1152	2360	10	20		12/02/2025		12/02/2025
255105	HA RA SUY;HERVEY 2&35-15-14 HC	003-ALT	E1152	2360	31	00		07/09/2025	12/01/2025	07/09/2025
255105	HA RA SUY;HERVEY 2&35-15-14 HC	003-ALT	E1152	2360	01	00		04/25/2025	07/08/2025	04/25/2025

SCOUT INFO

REPORT DATE	WELL STATUS	MEASURED DEPTH	TRUE VERT DEPTH	DETAIL
12/17/2025	10	22079	11628	COMPLETED 12/2/25; GAS; 29664 MCFD; 6983# CP; PERFS 12084-22061'
10/02/2025	08	22079	11628	SCOUT CODE 8: 9/23/2025 TUES. 6:00 AM - FRAC STG'S 55-56 ; P&P STG'S 55-57; 9/24/2025 WED. 6:00 AM - FRAC STG'S 57-59 ; P&P STG'S 58-59; 9/25/2025 THURS. 6:00 AM - SET KILL PLUG AND RDMO.; 9/26/2025 FRI. 6:00 AM - MIRU COIL; 9/27/2025 SAT. 6:00 AM - WOAW; 9/28/2025 SUN. 6:00 AM - WOAW; 9/29/2025 MON. 6:00 AM - WOAW
09/25/2025	09	22079	11628	(PWH) SCOUT CODE 9: 9/16/2025 TUES. 6:00 AM - FRAC STG'S 36-38 ; P&P STG'S 37-39; 9/17/2025 WED. 6:00 AM - FRAC STG'S 39-41; P&P STG'S 40-41; 9/18/2025 THURS. 6:00 AM - FRAC STG'S 41-43; P&P STG'S 42-44; 9/19/2025 FRI. 6:00 AM - FRAC STG'S 44-46; P&P STG'S 45-47; 9/20/2025 SAT. 6:00 AM - FRAC STG'S 47-48 ; P&P STG'S 48-49; 9/21/2025 SUN. 6:00 AM - FRAC STG'S 49-51 ; P&P STG'S 50-52; 9/22/2025 MON. 6:00 AM - FRAC STG'S 52-54 ; P&P STG'S 53-54
09/16/2025	09	22079	11628	SCOUT CODE 9: 9/9/2025 TUES. 6:00 AM - FRAC STG'S 20-21; P&P STG'S 21-22; 9/10/2025 WED. 6:00 AM - FRAC STG'S 22-24; P&P STG'S 23-24; 9/11/2025 THURS. 6:00 AM - FRAC STG'S 25-26; P&P STG'S 25-26; 9/12/2025 FRI. 6:00 AM - FRAC STG'S 27-28; P&P STG'S 27-29; 9/13/2025 SAT. 6:00 AM - FRAC STG'S 29-30; P&P STG'S 30-31; 9/14/2025 SUN. 6:00 AM - FRAC STG'S 31-33; P&P STG'S 32-33; 9/15/2025 MON. 6:00 AM - FRAC STG'S 34-35; P&P STG'S 34-36
09/08/2025	09	22079	11628	SCOUT CODE 9: 9/2/2025 TUES. 6:00 AM - FRAC STG'S 5-6 ; P&P STG'S 5-7; 9/3/2025 WED. 6:00 AM - FRAC STG'S 7-8; P&P STG'S 8-9; 9/4/2025 THURS. 6:00 AM - FRAC STG'S 9-10; P&P STG'S 10-11; 9/5/2025 FRI. 6:00 AM - FRAC STG'S 11-12 ; P&P STG'S 12-13; 9/6/2025 SAT. 6:00 AM - FRAC STG'S 13-15; P&P STG'S 14-15; 9/7/2025 SUN. 6:00 AM - FRAC STG'S 16-17; P&P STG'S 16-17; 9/8/2025 MON. 6:00 AM - FRAC STG'S 18-19; P&P STG'S 18-20
09/04/2025	09	22079	11628	SCOUT CODE 9: 8/26/2025 TUES. 6:00 AM - MIRU AUX FRAC EQUIPMENT; 8/27/2025 WED. 6:00 AM - MIRU AUX FRAC EQUIPMENT; 8/28/2025 THURS. 6:00 AM - MIRU AUX FRAC EQUIPMENT; 8/29/2025 FRI. 6:00 AM - MIRU

				AUX FRAC EQUIPMENT; 8/30/2025 SAT. 6:00 AM -CONT MIRU FRAC EQUIP. BEGIN FRAC STG 1.; 8/31/2025 SUN. 6:00 AM -FRAC STG'S 1-2; P&P STG 2; 9/1/2025 MON. 6:00 AM -FRAC STG'S 3-4; P&P STG'S 3-4.
07/17/2025	31	22079		SCOUT CODE 31: 7/8/2025 TUES. 6:00 AM -DRILL LATERAL FROM 15,990' TO 17,778'; 7/9/2025 WED. 6:00 AM -DRILL LATERAL FROM 17,778' TO 19,975'; 7/10/2025 THURS. 6:00 AM -DRILL LATERAL FROM 19,975' TO 21,153'; 7/11/2025 FRI. 6:00 AM -SOOH FROM 18,500' TO 7,036, SPOT ECD PILL, TOO H FROM 7,036 TO 0', R/U & RUN PRODUCTION CASING FROM 0' TO 8,027'; 7/12/2025 SAT. 6:00 AM -RUN PRODUCTION CSG. FROM 8,027' TO 17,500', WASH & REAM CSG. FROM 17,500' TO 22,061'; 7/13/2025 SUN. 6:00 AM -CIRCULATE 1.5 TIME CASING CAPACITY, CEMENT PRODUCTION CASING, N/D & INSTALL NIGHT CAP; 7/14/2025 MON. 6:00 AM -N/A
07/07/2025	05	17778	11740	SCOUT CODE 5: 7/8/2025 TUES. 6:00 AM -RIG SERVICE, WASH AND REAM F/15,375' T/15,575' (DRILL STRING STALLING/HOLE PACKING OFF), PERFORM CUC TO TOO H FOR PRODUCTION CASING RUN, PUMP 90 BBL ECD PILL AS SLUG, LDDP F/15,575' T/7,160', PUMP REMAINING 126 BBLS ECD PILL @ 7,160'; FLOW CHECK (WELL STATIC), LDDP F/7,160' T/TOP OF DIRECTIONAL TOOLS, L/D BHA, PULL WEAR BUSHING, PJSM & R/U CASING TOOLS, M/U SHOE TEST SAME, RUN 5" 18# P-110 HCP EAGLE SFH; 7/9/2025 WED. 6:00 AM -RUN 5" 18# P-110 HCP EAGLE SFH F/2,042' T/2,933', CIRCULATE OUT ECD PILL, RUN 5" 18# P-110 HCP EAGLE SFH F/SHOE F/3,000' T/ 10,650', WAIT ON WEATHER, RUN 5.5" 18# P-110 HCP EAGLE SFH F/10,650' T/12,790', CIRCULATE BTM UP, WASH AND REAM CASING 5.5 " 23#, P-110 HP, USS-EAGLE SFH F/12,790' T/ 15,135', CIRCULATE BTM UP DUE TO TQ SPIKES AND INCREASED PUMP PRESSURE, WASH AND REAM CASING 5.5 " 23#, P-110 HP, USS-EAGLE SFH F/15,135' T/16,015'; 7/10/2025 THURS. 6:00 AM -WASH AND REAM 5½" 23#, P-110 HP USS-EAGLE SFH CASING F/15,960' T/16,770', CIRC BTM UP, W&R 5½" 23#, P-110 HP/C-110 USS-EAGLE SFH CASING F/16,770' T/17,980', CIRC BTM UP, W&R 5½" 23#, C-110 USS-EAGLE SFH CASING F/17,980' T/21,046'; 7/11/2025 FRI. 6:00 AM -W&R 5½" 23#, C-110 USS-EAGLE SFH CASING F/21,046' T/23,109', CIRC BTMS UP, REMOVE ROTATING HEAD, P/U LANDING JOINT AND WASH DOWN, LAND OUT W/120K, TEST SEALS, LOCK IN HANGER, PULL TEST, R/D CRT, R/U CEMENT IRON AND PERFORM PRODUCTION CEMENT JOB, SET BPV, FLUSH THRU ALL SURFACE LINES, NIPPLE DOWN BOP, INSTALL NIGHT CAP, CLEANING MUD TANKS; 7/12/2025 SAT. 6:00 AM -FINISH INSTALLING NIGHT CAP AND REMOVING SPEED HEAD SPOOL, LAY DOWN 4½" DRILL PIPE FROM DERRICK WHILE CLEANING MUD TANKS. RELEASE RIG @ 18:00 HRS ON 7/11/25.; 7/13/2025 SUN. 6:00 AM -RIG RELEASED; 7/14/2025 MON. 6:00 AM -RIG RELEASED
07/02/2025	05	9747		SCOUT CODE 5: 6/24/2025 TUES. 6:00 AM -WALK AND CENTER RIG OVER WELL. NIPPLE UP. PRESSURE TEST BOPE. SLIP AND CUT DRILL LINE.; 6/25/2025 WED. 6:00 AM -TEST BOPE. PICK UP BHA. RIG SERVICE. TIH. DRILL OUT SHOE TRACK AND 10' OF NEW FORMATION TO 1,956'. CIRCULATE HOLE CLEAN. PERFORM 12.5# FIT. DRILL INTERMEDIATE SECTION FROM 1,956' TO 4,785'; 6/26/2025 THURS. 6:00 AM -DRILL INTERMEDIATE SECTION FROM 4,785' TO 7,900'; 6/27/2025 FRI. 6:00 AM -DRILL INTERMEDIATE SECTION FROM 7,900' TO 8,082'. CIRCULATE SWEEPS AROUND, TOO H TO 4,242', BACK REAM TO 1,800'; 6/28/2025 SAT. 6:00 AM -TOOH TO BHA, CHANGE OUT BHA, TIH TO 2,629', WASH & REAM TO 8,082', DRILL INTERMEDIATE SECTION FROM 8,082' TO 8,100'; 6/29/2025 SUN. 6:00 AM -DRILL INTERMEDIATE SECTION FROM 8,100' TO 8,960'. CIRCULATE 2 HI VIS SWEEPS, TOO H TO 1,800'; 6/30/2025 MON. 6:00 AM -CHANGE OUT BHA. TRIP IN HOLE TO 8,960'. DRILL INTERMEDIATE SECTION FROM 8,960' TO 9,635'.
06/11/2025	07	1946		SCOUT CODE 7: 6/3/2025 TUES. 6:00 AM -N/A; 6/4/2025 WED. 6:00 AM -N/A; 6/5/2025 THURS. 6:00 AM -MIRU; 6/6/2025 FRI. 6:00 AM -RIG UP; 6/7/2025 SAT. 6:00 AM -DRILL SURFACE TO 1,946', CIRCULATE HOLE CLEAN, TOO H, NIPPLE DOWN DIVERTER, RUN CASING. ; 6/8/2025 SUN. 6:00 AM -CEMENT CASING, WALK RIG; 6/9/2025 MON. 6:00 AM -N/A
04/25/2025	01	27000		819' FSL & 1395' FEL OF SEC 2-T15N-R14W. PBHL: 330' FNL & 1840' FEL OF SEC 35-T16N-R14W.

PERFORATIONS

SERIAL NUM	COMPLETION DATE	UPPER PERF	LOWER PERF	SANDS	RESERVOIR
255105	12/02/2025	12084	22061	HAYNESVILLE	RA

WELL TESTS

RPT TYP	TEST DATE	RPT DATE	OIL POT	COND	GAS DEL	WATER	BSW%	FLOW PRES	SHUTIN PRES	CHOKE	UPPER PERF	LOWER PERF	BOT HOLE PRES
DT-1	03/15/2026	05/01/2026			0	0					12084	22061	
SDM2G	12/08/2025	12/08/2025			29664	432		6983		AUTO	12084	22061	

WELL ALLOWABLES

EFFECTIVE DATE	END DATE	LUW CODE	LUW TYPE CODE	ALLOWABLE	ESTIMATED POTENTIAL	CURRENT ALLOWABLE TYPE
01/01/2026	06/30/2026	617523	2	14645	14645	3
01/01/2026	06/30/2026	615247	2	15019	15019	3
12/02/2025	12/31/2025	617523	2	14645	14645	3
12/02/2025	12/31/2025	615247	2	15019	15019	3

LEASE\UNIT\WELL ASSOCIATION HISTORY

EFFECTIVE DATE	END DATE	LUW CODE	LUW TYPE	LUW NAME	REPORTING PCT	PRIMARY LUW FLAG
12/02/2025		615247	2-UNIT	HA RA SUQ;	50.63	N

12/02/2025		617523	2-UNIT	HA RA SUY;	49.37	Y
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LEASE\UNIT\WELL PRODUCTION

RPT DATE	LUW CODE	STORAGE FAC	DOC USE	WELL CNT	OPENING STK	OIL PROD(BBL)	GAS PROD(MCF)	DISPOSITION	CLOSING STK	PARISH
02/01/2026	617523			4	0	0	1096752	0	0	DE SOTO
01/01/2026	617523			2	0	0	1212934	0	0	DE SOTO
12/01/2025	617523			4	0	0	1404223	0	0	DE SOTO
02/01/2026	615247			4	0	0	0	0	0	CADDO
02/01/2026	615247			4	0	0	1099495	0	0	DE SOTO
01/01/2026	615247			4	0	0	435105	0	0	DE SOTO
01/01/2026	615247			4	0	0	755465	0	0	CADDO
12/01/2025	615247			4	0	0	1423131	0	0	DE SOTO
12/01/2025	615247			4	0	0	0	0	0	CADDO

CASING

COMPLETION DATE	CASING SIZE	WELLBORE SIZE	CASING WEIGHT	UPPER SET DEPTH	LOWER SET DEPTH	CEMENT SACKS	TEST PRESSURE	HOURS UNDER PRESSURE	TEST DATE	CASING PULLED	CREATION PROCESS
12/02/2025	0500		18	11190	22064						WELL HISTORY
12/02/2025	0512	0634	23	27	11190	1340	3200	.5	08/15/2025		WELL HISTORY
12/02/2025	0758	0978	29.7	27	10714	1060	3000	.5	07/03/2025		WELL HISTORY
07/09/2025	0512		23	6010	11190						WELL HISTORY
07/09/2025	0512	0634	23	27	6010	1340	3200	.5	08/15/2025		WELL HISTORY
07/09/2025	0758	0978	26.4	27	10714	1060	3000	.5	07/03/2025		WELL HISTORY
07/09/2025	1034	1312	40.5	0	1931	915	1500	.5	06/23/2025		WELL HISTORY

PLUG AND ABANDON

P AND A DATE	LOCATION TYPE	CASING CUT TYPE	CASING CUT DEPTH	MUD WEIGHT LEFT	COMMENTS
--------------	---------------	-----------------	------------------	-----------------	----------

PLUGS

PLUG TYPE	UPPER PLUG DEPTH	LOWER PLUG DEPTH	SACKS OF CEMENT	SLURRY WEIGHT
-----------	------------------	------------------	-----------------	---------------

TUBING AND PACKERS

COMPLETION DATE	TUBING SIZE	TUBING LOWER DEPTH	TUBING UPPER DEPTH	PACKER DEPTH
-----------------	-------------	--------------------	--------------------	--------------

WORK PERMITS

REFERENCE NUMBER	APPLICATION DATE	EXPIRATION DATE	WORK PERMIT TYPE	WORK PERMIT STATUS	WORK PERMIT STATUS_DATE	TOTAL DEPTH	WORK_PERFORMED	DOCUMENTATION RECEIPT DATE	TEST SAND	WORK DESCRIPTION
522-25-3-14	07/31/2025	07/31/2026	HYDRAULIC FRACTURE STIMULATION	APPROVED	07/31/2025	0	Y			PERFORATE THE HAYNESVILLE RESERVOIR & FRAC/STIMULATE EACH STAGE AS NECESSARY.





STATE OF LOUISIANA
OFFICE OF CONSERVATION
PERMIT TO DRILL FOR MINERALS

FEE: \$1264

SERIAL NO. 255105

Approval Date 04/25/2025

API 17031274730000

Expiration Date 10/21/2025

16 PARISH DE SOTO
2360 FIELD CASPIANA
E1152 OPERATOR EXPAND OPERATING LLC
6100 N WESTERN AVENUE
OKLAHOMA CITY, OK 73118-

HORIZONTAL

SHREVEPORT DISTRICT

WELL NAME: HA RA SUY; HERVEY 2&35-15-14 HC

NO. 003-ALT

LOCATION OF WELL: SEC 002 T 15N R 14W M W

819' FSL & 1395' FEL OF SEC 2-T15N-R14W. PBHL: 330' FNL & 1840' FEL OF SEC 35-T16N-R14W.

ZONE OR RESERVOIR OF PROPOSED COMPLETION: HAYNESVILLE

Measured Depth 27000

True Vertical Depth 14000

APPLICABLE OFFICE OF CONSERVATION ORDERS: 29B-1

STEVEN M. GIAMBRONE

ANDREW ROUSSELL

INTERIM DIRECTOR CONSERVATION

ISSUING AUTHORITY

WELL FILE

TYLER PATRICK GRAY
SECRETARY

DUSTIN H. DAVIDSON
DEPUTY SECRETARY



MARK NORMAND, JR.
UNDERSECRETARY

MANNY ACOSTA
OIL SPILL COORDINATOR

KEITH O. LOVELL
ASSISTANT SECRETARY
COASTAL MANAGEMENT

AMANDA MCCLINTON
ASSISTANT SECRETARY
ENERGY

ANDREW B. YOUNG
ASSISTANT SECRETARY
MINERAL RESOURCES

STEVEN M. GIAMBRONE
INTERIM DIRECTOR
CONSERVATION

DEPARTMENT OF ENERGY AND NATURAL RESOURCES

APRIL 29, 2025

EXPAND OPERATING LLC
6100 N WESTERN AVENUE
OKLAHOMA CITY, OK 73118-

*** PERMIT TO DRILL ***

RE: DE SOTO PARISH
CASPIANA FIELD
HA RA SUY: HERVEY 2&35-15-14 HC NO. 003-ALT
SER NO. 255105

DEAR SIR OR MADAM:

WE ARE ISSUING THE ATTACHED PERMIT TO DRILL FOR THE ABOVE REFERENCED WELL WITH THE UNDERSTANDING THAT YOU WILL COMPLY WITH THE FOLLOWING CONDITIONS:

FURNISH THE APPROPRIATE DISTRICT MANAGER WITH A DIRECTIONAL SURVEY AS PROOF THAT THE WELL HAS BEEN DRILLED IN COMPLIANCE WITH THE PROVISIONS OF LAC 43:XIX 135.C (STATEWIDE ORDER NO. 29-B)

NO ALLOWABLE WILL BE ASSIGNED SAID WELL UNLESS IN COMPLIANCE WITH THE ABOVE PROVISIONS.

PLEASE BE ADVISED THAT A PERMIT TO DRILL ISSUED BY THE OFFICE OF CONSERVATION DOES NOT RELIEVE THE OPERATOR OF THE OBLIGATION TO COMPLY WITH FEDERAL, LOCAL, OR OTHER STATE PERMITTING OR REGULATORY REQUIREMENTS.

YOURS TRULY,

STEVEN M. GIAMBRONE
INTERIM DIRECTOR CONSERVATION

ANDREW ROUSSELL

AR:PC
CC: PATRICK RALEY
SHREVEPORT, DISTRICT MANAGER
29B-1

STATE OF LOUISIANA
OFFICE OF CONSERVATION FORM MD-10-R-1
APPLICATION FOR PERMIT TO DRILL FOR MINERALS
TYPE ONLY - FILE IN DUPLICATE

(Print on Buff color paper)

OFFICE USE ONLY

Bond Received, 29B-1, cc 51 fcs3, horizontal

OFFICE USE ONLY

SERIAL NUMBER: 255105

Company Data

DATE OF APPLICATION: April 9, 2025OPERATOR: EXPAND OPERATING LLCCODE NO. E1152ADDRESS: 6100 N WESTERN AVENUE
OKLAHOMA CITY, OK 73118

Well Data

PARISH: DESOTOCODE NO. 16FIELD: CASPIANACODE NO. 2360WELL NAME: HA RA SUY; HERVEY 2&35-15-14 HCWell No.: 003-ALTLOCATION: Section: 2 Township: 15N Range: 14WLOCATION
DESCRIPTION:SL: 819' FSL & 1395' FEL OF SEC 2, T15N-14W
PBHL: 330' FNL & 1840' FEL OF SEC 35, T16N-R14WPRODUCT: ☐ OIL ☒ GAS ☐ OTHERProposed Total Depth: 27,000 feet - Measured Depth(and TVD, if applicable) 14,000 feet - True Vertical DepthApplication Fee: \$1,264.00 Check No.: INVOICE6 Month ☒1 Year ☐# 1307196

TYPE OF WELL

☒ New Well
☐ Redrill
☐ Dual
☐ Lease
☒ Unit☐ Repermit
☐ Straight
☐ Directional
☒ Horizontal
☐ SPC Plan
(on water)PROPOSED ZONE OF COMPLETION: HAYNESVILLEAPPLICABLE CONSERVATION ORDERS: 29-B-1, 191-H-259 EFFECTIVE 9/4/19

SERIAL NUMBER OF REDRILL OR REPERMIT (if applicable): _____

CONTACT DATA

SEND PERMIT TO: SARA OBERLANDERADDRESS:
(if different than above)FOR ADDITIONAL
INFORMATION, CONTACT:SARA OBERLANDERPhone No.: 318-716-7168OFFICE OF CONSERVATION
PERMIT SECTION

APPLICANT

SUBMITTED BY: SARA OBERLANDER, REGULATORY SPECIALIST

TYPED NAME AND TITLE

SIGNATURE: _____

APPLICANT'S REPRESENTATIVE SIGNATURE

OFFICE USE ONLY

OFFICE USE ONLY

FINANCIAL SECURITY REQUIRED PRIOR TO PERMITTING: ☐ Yes ☐ No

DISTRICT APPROVAL: _____

ISSUED BY: _____

API No.: 17.031.27423DATE: 4/15/2025DATE: 07/25/2025Exp.: 10/21/2025

**STATE OF LOUISIANA
OFFICE OF CONSERVATION**

APRIL 17, 2025

TO: BATON ROUGE OFFICE
FROM: SHREVEPORT DISTRICT OFFICE
ATTN: PERMIT SECTION

Enclosed please find an application from EXPAND OPERATING LLC (E1152)

for permit to drill their HA RA SUY; HERVEY 2&35-15-14HC #3-ALT

CASPIANA Field, DESOTO Parish.

Also enclosed please find:

Check No. ONLINE Inv# 1307196 \$3,792.00 (3 WELLS)

☒ Certified well location plat

☒ Affidavit of compliance

Applicable Office of Conservation Order No. 191-H-259 EFF 09/04/19, 29B-1

Remarks & Recommendations:

RECEIVED
APR 22 2025
OFFICE OF CONSERVATION
PERMIT SECTION

Well approved as an alternate unit well at an exceptional location for HA RA SUQ and HA RA SUY in the Caspiana Field under Order 191-H-259, effective 9/4/2019. Order approves a total of three (3) cross-unit wells for HA RA SUQ and HA RA SUY.

Dissimilar location shown on order to that of the attached plat location. Not subject to Order U-HS. All perforation points further than 330' from unit boundaries.

HA RA SUQ unit in the Caspiana Field formed under Order 191-H-5. HA RA SUY unit in the Caspiana Field formed under Order 191-H-20.

Unit well for HA RA SUQ unit in the Caspiana Field is SN-242486. Unit well for HA RA SUY unit in the Caspiana Field is SN-242347. Operator is simultaneously submitting two (2) additional permits for HA RA SUQ and HA RA SUY in the Caspiana Field under Order 191-H-259. Operator has zero (0) remaining unpermitted wells for HA RA SUQ and HA RA SUY in the Caspiana Field under Order 191-H-259.

Adheres to all rules and regulations in regards to boundary and other parameters as established in Order 191-H and subsequent revisions in series as well as 29-B-1 rules with allowance to approved exceptional well spacing based on Docket #19-368 thru 369.

Patrick Raley
District Engineer

FORM AFLN-1 - AFFIDAVIT OF COMPLIANCE - STATEWIDE ORDER 29-B

HARRASUY; Hervey 2+35-15-14 HC 003-AVT
WELL NAME AND NUMBER _____ STATE OF LOUISIANA
PARISH/COUNTY OF CADDO

SARA OBERLANDER
BEFORE ME, the undersigned Notary Public, personally appeared _____
REGULATORY SPECIALIST ("affiant") who on their oath did say that they are the _____ (REPRESENTATIVE) of the
EXPAND OPERATING LLC (COMPANY), authorized to do business in the state of Louisiana, and that said
instrument was signed on behalf of said company, and affiant acknowledged that he executed the same
as the free act and deed of said company.

RULE LAC 43:XIX.103.A.1 – Pre-Entry Notice

BY CHECKING THIS BOX, AFFIANT CERTIFIES:

- ☐ Surface owner was provided pre-entry notice on the _____ day of _____, 20____. No construction operations of a drilling location for the aforementioned well shall commence less than thirty (30) days after such date.
- ☐ The above referenced well will be drilled from an existing pad on the property in question, there will be no expansion to the existing drilling pad or access road(s) and therefore no notice to the surface owner is required pursuant to R.S. 30:28(l)(1)(f).
- ☒ A contractual relationship presently exists between the operator and the surface owner(s) of the subject well. As such, no pre-entry notice is required pursuant to 30:28(l)(1)(c).
- ☐ No pre-entry notice required pursuant to R.S. 30:28(l)(1)(d). Please attach documentation of Commissioner's waiver.

RULE LAC 43:XIX.103.A.3 – Natural Gas Management

BY CHECKING THIS BOX, AFFIANT CERTIFIES:

- ☒ The operator will be able to connect the well to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the volume of natural gas the operator anticipates the well will produce.
- ☐ The operator will shut-in the well until a natural gas gathering system is available.
- ☐ The operator will evaluate if the well is a candidate for flaring based on economic hardship.
- ☐ The operator will comply with the attached gas capture plan (ensure attachment provided).
- ☐ The well is in a recognized stripper area and as such is exempt from LAC 43:XIX.103.A.3.

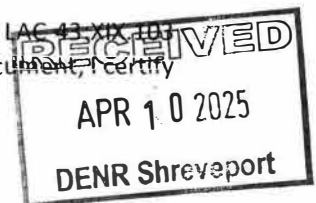
The information in this affidavit meets the requirements of Statewide Order 29-B, Rule LAC 43:XIX.103.A.3 and Louisiana R.S. 30:28(l), demonstrating compliance with such order. By signing this document, I certify that the foregoing is true and correct to the best of my knowledge.

Thus done and sworn this 9 day of April, 2025:

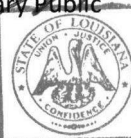
Signature: _____

Print Name: SARA OBERLANDER

Title: REGULATORY SPECIALIST



Notary Public



JEFFREY HEAD
Notary Public
State of Louisiana
Caddo Parish
Notary ID # 180482
My Commission is for Life
Rev. 01/2024

Expand Operating, LLC-
HA RA SUY;Hervey 2&35-15-14HC
NO. 3 ALT WELL
Revised September 16, 2024 as follows:
SURFACE LOCATION being 819' from the South
line and 1395' from the East Line of Section 2,
located in Section 2, T15N-R14W.
PROPOSED BOTTOM HOLE LOCATION/PLPP to
be 330' from the North Line and 1840' from the
East Line of Section 35, located in Section 35,
T16N-R14W, DeSoto Parish, Louisiana.

Producing Lateral Length			
Section	Unit	Length	Percentage
2	HA RA SUY	4,934.55'	49.28%
35	HA RA SUQ	5,077.74'	50.72%
Total:		10,012.29'	100.00%

HA RA SUY;HERVEY 2&35-15-14HC
NO. 3 ALT WELL

X = 1,608,281' (NAD27 La N)
Y = 601,227'
LAT. 32.313219° N (NAD27)
LONG. 93.767953° W
X = 2,889,068' (NAD83/86 La N)
Y = 661,936'
LAT. 32.313376° N (NAD83/86)
LONG. 93.768133° W
ELEV. +204.95' (NAVD88)

PENETRATION POINT
X = 1,609,238' (NAD27 La N)
Y = 600,120'
LAT. 32.310207° N (NAD27)
LONG. 93.764813° W

PROPOSED UPPER
PERFORATION POINT
X = 1,609,165' (NAD27 La N)
Y = 600,722'
LAT. 32.311858° N (NAD27)
LONG. 93.765073° W

PROPOSED BOTTOM
HOLE LOCATION
X = 1,607,953' (NAD27 La N)
Y = 610,661'
LAT. 32.339137° N (NAD27)
LONG. 93.769371° W
X = 2,888,740' (NAD83/86 La N)
Y = 671,370'
LAT. 32.339294° N (NAD83/86)
LONG. 93.769551° W

NOTE: This plat is not a property boundary survey and as such does not comply with the "Standards of Practice for Property Boundary Surveys" as adopted by the Louisiana Professional Engineering and Land Surveying Board; it is however in compliance with Statewide Order 29-B and 29-E. (Title 43 of the Louisiana Administrative Code)

There are no residential or commercial structures, not owned by the applicant, his lessor, or other predecessor in interest, within a 500' radius of the proposed location as of September 16, 2024.

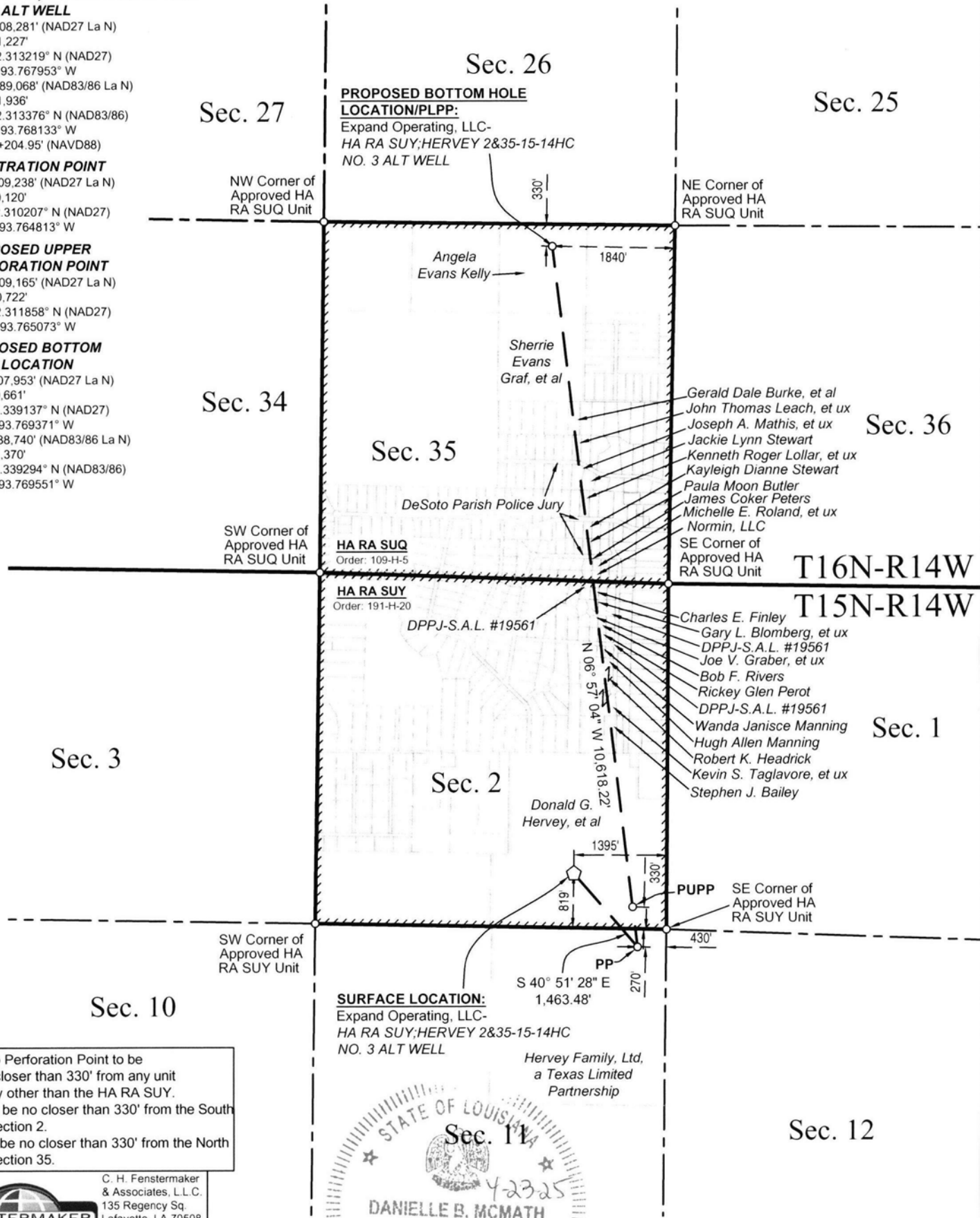
Note: This well is not subject to the provisions of Order U-HS.

PP = PERFORATION POINT
PUPP = PROPOSED UPPER PERFORATION POINT
PLPP = PROPOSED LOWER PERFORATION POINT

RECEIVED

APR 25 2025 SCALE: 1"= 2000'

Office of Conservation
Engineering Division



Note: No Perforation Point to be located closer than 330' from any unit boundary other than the HA RA SUY.
PUPP to be no closer than 330' from the South line of Section 2.
PLPP to be no closer than 330' from the North line of Section 35.

C. H. Fenstermaker
& Associates, L.L.C.
135 Regency Sq.
Lafayette, LA 70508
Ph. 337-237-2200
Fax. 337-232-3299

REVISIONS	
08/01/2024 ADF	Revised bottom hole location.
09/16/2024 ADF	Revised bottom hole location.
04/23/2025 ADF	Revised parish of BHL.
DRAWN BY: ADF	
PROJ. MGR.: DBM	
DATE: 07/11/2024	
JOB#: 2247835.03	
SHEET 1 OF 1	



Danielle B. McMath
Professional Land Surveyor
Registration No. 5297

WELL LOCATION PLAT
HA RA SUY;HERVEY 2&35-15-14HC
NO. 3 ALT WELL
EXPAND OPERATING, LLC
SITUATED IN
SECTION 2, T15N-R14W
DESOTO PARISH, LOUISIANA

STATE OF LOUISIANA
DEPARTMENT OF CONSERVATION AND ENERGY
AMENDED PERMIT TO DRILL FOR MINERALS

...\$126.00

255105 SERIAL NO.

DATE 01/13/2026

EFFECTIVE 12/02/2025

CURRENT CODES

16 PARISH DE SOTO
2360 FIELD CASPIANA
E1152 OPERATOR EXPAND OPERATING LLC
20 PRODUCT 6100 N WESTERN AVENUE
OKLAHOMA CITY, OK 73118-

SHREVEPORT DISTRICT

2-617523 WELL NAME HA RA SUY;HERVEY 2&35-15-14 HC

NO. 003-ALT

LOCATION OF WELL SEC 002 T 15N R 14W M W

FORMER WELL NAME:HA RA SUY;HERVEY 2&35-15-14 HC 003-ALT

NEW LOCATION:SAME SL. NEW BHL: 350' FNL & 1656' FEL OF SEC 35-T15N-R14W, HA RAA SUQ.

Cross-Unit LUWs: 2 - 617523 : 49.37% (PRIMARY), 2 - 615247 : 50.63%

INVOICE 1319643

APPLICABLE DCE ORDERS:

191-H-259

DUSTIN H. DAVIDSON

ANDREW ROUSSELL

SECRETARY

ISSUING AUTHORITY

WELL FILE

STATE OF LOUISIANA
DEPARTMENT OF CONSERVATION AND ENERGY FORM MD-10-R-A-1
APPLICATION TO AMEND PERMIT TO DRILL FOR MINERALS
TYPE ONLY - FILE IN DUPLICATE

(Print on PINK paper)



CURRENT		SERIAL NUMBER: 255105	
DATE OF APPLICATION: <u>December 10 2025</u>		EFF DATE OF CHANGE: <u>December 2, 2025</u>	
PARISH: <u>DE SOTO</u>	CODE NO. <u>16</u>		
FIELD: <u>CASPIANA</u>	CODE NO. <u>2360</u>		
OPERATOR: <u>EXPAND OPERATING LLC</u>	CODE NO. <u>E1152</u>		
ADDRESS: <u>6100 N WESTERN AVENUE</u> <u>OKLAHOMA CITY, OK 73118</u>			
WELL NAME: <u>HA RA SUY; HERVEY 2&35-15-14 HC</u>		No. <u>003-ALT</u> LUW: <u>See Attached</u>	
LOCATION: Section: _____ Township: _____ Range: <u>5</u> <u>NEW BHL: 350' FNL & 1656' FEL OF SEC 35-T15N-R14W</u> <u>SL: Same</u> in <u>HA RA SUY</u>			
ACTION: ☐ PARISH ☐ WELL NO.	☐ FIELD ☐ SWD	☒ OPERATOR ☒ LOCATION	☐ LEASE TO UNIT ☐ UNIT TO LEASE
CURRENT PRODUCT: ☐ OIL ☒ GAS ☐ OTHER: _____			
COMPLETION ZONE: <u>HAYNESVILLE RES A</u>			
APPLICABLE CONSERVATION ORDERS: <u>191-H-259</u>			
FOR ADDITIONAL INFORMATION, CONTACT: <u>CHRISTINA BILES</u> Phone No.: <u>(469)325-3911</u>			
SUBMITTED BY: <u>CHRISTINA BILES, REGULATORY SPECIALIST</u> TYPED NAME AND TITLE			
SIGNATURE: _____ APPLICANT'S REPRESENTATIVE SIGNATURE			
Phone No.: <u>(469)325-3911</u>			
FORMERLY			
WELL NAME: _____		LUW: _____	
OPERATOR: _____		CODE NO. _____	
PARISH: _____		CODE NO. _____	
FIELD: _____		CODE NO. _____	
SUBMITTED BY: _____		TYPED NAME AND TITLE	
SIGNATURE: _____		FORMER OPERATOR REPRESENTATIVE	
Phone No.: _____		Date: _____	
OFFICE USE ONLY		OFFICE USE ONLY	
DISTRICT APPROVAL: _____ DISTRICT MANAGER		DATE: <u>12/15/25</u>	
ISSUED BY: _____ ISSUING AUTHORITY		DATE: <u>1/5/2026</u>	
FORM MD-10-R-A-1 (07/2014)			

SN 255105

Unit Order Information

Well orientation:

South to north

Top of Perfs Unit

Unit	HA RA SUY
Order No.	191-H-259
Effective	9/4/2019
Acreage	640
Product	Gas
Completion	12/2/2025
LUW	617523
Percentage	49.37%
Field	Caspiana 2360
Multi Parish Unit?	DeSoto 16

Bottom Perfs Unit

Unit	HA RA SUQ
Order No.	191-H-259
Effective	9/4/2019
Acreage	640
Product	Gas
Completion	12/2/2025
LUW	615247
Percentage	50.63%
Field	Caspiana 2360
Multi Parish Unit?	DeSoto 16

STATE OF LOUISIANA
OFFICE OF ENFORCEMENT

Dec. 17, 2025

ATTN: PERMIT SECTION
FROM: SHREVEPORT DISTRICT OFFICE

App. for an amended permit to drill from EXPAND OPERATING LLC

Sn- 255105 the HA RA SUY; HERVY 2&35-15-14 HC #3-ALT

CASPIANA Field, DE SOTO Parish

Invoice # 1319643

Check # on line in the amount of \$ 378.00 (3 wells)

Applicable Office of Conservation Order Nos. 29-B & 191-H-259

Remarks:

- Form MD-10-R-A-1 filed for the "as-drilled" BHL of the cross unit horizontal alternate unit well at an exceptional location for HA RA SUQ and HA RA SUY - surface location remains the same.
- Complies with Order No. 191-H-259, effective 09/04/2019, for a location in the general manner as shown on the plat attached to the order provided that no portion of the perforated length of lateral is located closer than 330 feet to any unit boundary except for the common unit boundary between the two units.
- Completed in the HA RA on 12/02/2025.
- Wellbore schematic included with above paperwork.
- HA RA SUQ unit formed under Order 191-H-5. HA RA SUY unit formed under Order 191-H-20.
- Unit well for HA RA SUQ is SN242486. Unit well for HA RA SUY is SN242347.

- Percents Verified

- Perfs deeper than def. but match existing Unit Well (SN 242347)

- 3rd of 3 Cross unit lateral Alts approved via Order 191-H-259

RECEIVED

DEC 19 2025

Dept of Conservation & Energy
Oil & Gas Permits

BY: Marie Maranto
District Engineer

Expand Operating, LLC-
HA RA SUY;HERVEY 2&35-15-14HC
NO. 3 ALT WELL
Prepared November 12, 2025 as follows:
SURFACE LOCATION being 819' from the South
Line and 1395' from the East Line of Section 2,
located in Section 2, T15N-R14W.
ACTUAL BOTTOM HOLE LOCATION being 350'
from the North Line and 1656' from the East Line
of Section 35, located in Section 35, T16N-R14W,
DeSoto Parish, Louisiana.

NOTE: This plat is not a property boundary survey and as
such does not comply with the "Standards of Practice for
Property Boundary Surveys" as Adopted by the Louisiana
Professional Engineering and Land Surveying Board; it is
however in compliance with Statewide Order 29-B and
29-E. (Title 43 of the Louisiana Administrative Code)

There are no residential or commercial
structures, not owned by the applicant, his
lessor, or other predecessor in interest,
within a 500' radius of the proposed
location as of November 12, 2025.

RECEIVED
DEC 11 2025
DENR Shreveport



SCALE: 1"= 2000'
0' 1000' 2000'

Producing Lateral Length			
Section	Unit	Length	Percentage
2	HA RA SUY	4,925.74'	49.37%
35	HA RA SUQ	5,051.26'	50.63%
Total:		9,977.00'	100.00%

Note: This well is not subject to the
provisions of Order U-HS.

**HA RA SUY;HERVEY 2&35-15-14HC
NO. 3 ALT WELL**

X = 1,608,281' (NAD27 La N)
Y = 601,227'
LAT. 32.313219° N (NAD27)
LONG. 93.767953° W
X = 2,889,068' (NAD83/86 La N)
Y = 661,936'
LAT. 32.313376° N (NAD83/86)
LONG. 93.768133° W
ELEV. +204.95' (NAVD88)

UPP @ 12,084' MD
X = 1,609,194' (NAD27 La N)
Y = 600,740'
LAT. 32.311909° N (NAD27)
LONG. 93.764979° W

LPP @ 22,061' MD
X = 1,608,139' (NAD27 La N)
Y = 610,620'
LAT. 32.339031° N (NAD27)
LONG. 93.768767° W

**ACTUAL BOTTOM HOLE
LOCATION @ 22,080' MD**
X = 1,608,137' (NAD27 La N)
Y = 610,638'
LAT. 32.339082° N (NAD27)
LONG. 93.768776° W
X = 2,888,924' (NAD83/86 La N)
Y = 671,348'
LAT. 32.339239° N (NAD83/86)
LONG. 93.768956° W

Sec. 27

Sec. 26

Sec. 25

Sec. 34

Sec. 35

Sec. 36

Sec. 3

Sec. 2

Sec. 1

Sec. 10

Sec. 11

Sec. 12

ACTUAL BOTTOM HOLE LOCATION:
Expand Operating, LLC-
HA RA SUY;HERVEY 2&35-15-14HC
NO. 3 ALT WELL

NW Corner of
Approved HA RA
SUQ Unit
(NAD 27)
X = 1,604,520.11'
Y = 611,032.96'

NE Corner of
Approved HA RA
SUQ Unit
(NAD 27)
X = 1,609,799.06'
Y = 610,967.78'

SW Corner of
Approved HA RA
SUQ Unit
(NAD 27)
X = 1,604,459.34'
Y = 605,763.47'

HA RA SUQ
Order: 109-H-5

HA RA SUY
Order: 191-H-20

DPPJ-S.A.L. #19561

Gerald Dale Burke, et al
John Thomas Leach, et ux
Joseph A. Mathis, et ux
Jackie Lynn Stewart
Kenneth Roger Lollar, et ux
Kayleigh Dianne Stewart
Paula Moon Butler
James Coker Puters
Michelle E. Roland, et ux
Normin, LLC
SE Corner of
Approved HA RA
SUQ Unit
(NAD 27)
X = 1,609,698.83'
Y = 605,580.64'

Charles E. Finley
Gary L. Blomberg, et ux
DPPJ-S.A.L. #19561
Joe V. Graber, et ux
Bob F. Rivers
Rickey Glen Perot
DPPJ-S.A.L. #19561
Wanda Janisce Manning
Hugh Allen Manning
Robert K. Headrick
Kevin S. Taglavore, et ux
Stephen J. Bailey

Donald G.
Hervey, et al

SW Corner of
Approved HA RA
SUQ Unit
(NAD 27)
X = 1,604,393.48'
Y = 600,481.20'

SURFACE LOCATION:
Expand Operating, LLC-
HA RA SUY;HERVEY 2&35-15-14HC
NO. 3 ALT WELL

Hervey Family, Ltd.
a Texas Limited
Partnership

SE Corner of
Approved HA RA
SUQ Unit
(NAD 27)
X = 1,609,670.98'
Y = 600,382.30'

RECEIVED

DEC 19 2025

Dept of Conservation & Energy
Oil & Gas Permits

C. H. Fenstermaker
& Associates, L.L.C.
135 Regency Sq.
Lafayette, LA 70508
Ph. 337-237-2200
Fax. 337-232-3299

REVISIONS	
DRAWN BY: ADF	PROJ. MGR: DBM
DATE: 11/12/2025	
JOB#: 2247835.53	SHEET 1 OF 1



Danielle B. McMath
Professional Land Surveyor
Registration No. 5297

**AS-DRILLED PLAT
HA RA SUY;HERVEY 2&35-15-14HC
NO. 3 ALT WELL
EXPAND OPERATING, LLC
SITUATED IN
SECTION 2, T15N-R14W
DESOTO PARISH, LOUISIANA**

Full Details for OTTO TURNER 2-15-14H 001

API #	17-031-25511
API # +4	17-031-25511-00-00
State	Louisiana
County	De Soto Parish
Well Name	OTTO TURNER 2-15-14H 001
Lease Number	617523-2
Lease Name	OTTO TURNER 2-15-14H
Operator	CHESAPEAKE OPERATING, L.L.C.
Closest City	Stonewall
Field / Formation	CASPIANA / HA RA SUY;OTTO TURNER 2-15-14H 001
Latitude	32.322835
Longitude	-93.777509
Well Type	
Well Status	ACTIVE - PRODUCING
Well Direction	
Section	002
Township	15N
Range	14W
QQ	
Abstract	
Survey	
Ground Level Elevation	
Derrick Level Elevation	
Kelly Bushing Elevation	
Drillers Total Depth	17300
True Total Depth	

Permit Date	2010-11-12
Approved Date	2010-11-12
Spud Date	2010-11-16
Log Date	
Completion Date	
Test Date	
Production Date	
Last Activity Date	
Abandoned Date	
Shut In Date	
Plugged Date	
Recent Reporting Date	
Recently Reported Oil Prod	0 BBL
Recently Reported Gas Prod	0 MCF
Overall Production Dates Available	
Total Oil Production	0 BBL
Total Gas Production	0 MCF
Total Water Production	0 BBL
Estimated Daily Oil Production	0 BBL
Estimated Daily Gas Production	46 MCF
Estimated Daily Water Production	0 BBL
Estimated Monthly Oil Production	0 BBL
Estimated Monthly Gas Production	1,390 MCF
Estimated Monthly PBOE *	46 BBL
Estimated Maximum Daily Oil Production	N/A
Estimated Maximum Daily Gas Production	N/A
Estimated Maximum Daily PBOE *	N/A

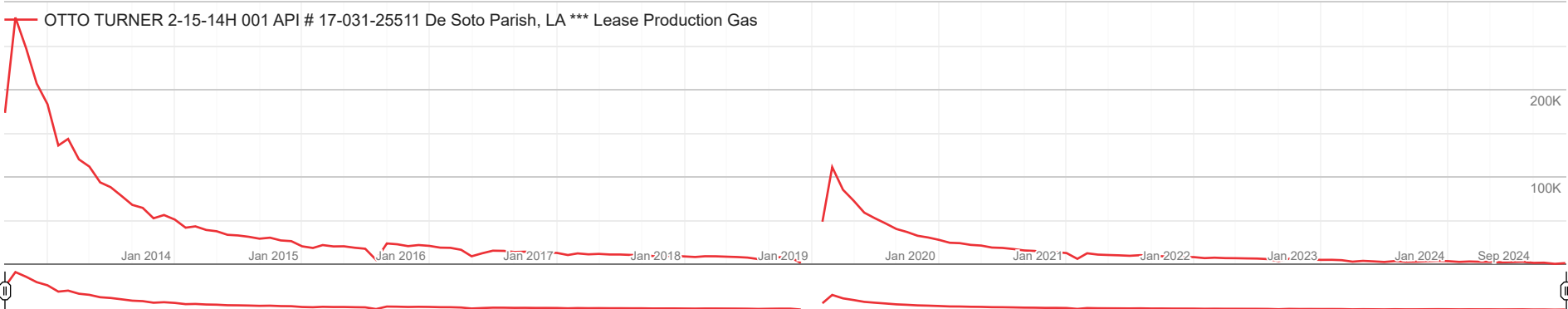
* PBOE = Price Based Barrel of Oil Equivalent (Using a market based ratio of roughly 16:1)

Well Production Search

Home / Well Production

API #17-031-25511

Production Graph of Search Results



Date	OTTO TURNER 2-15-14H 001 API # 17-031-25511 De Soto Parish, LA *** Lease Production	
	Oil Prod (BBLs)	Gas Prod (MCF)
Dec 2024	0	1,417
Nov 2024	0	564
Oct 2024	0	1,875
Sep 2024	0	1,665
Aug 2024	0	2,995
Jul 2024	0	2,600
Jun 2024	0	2,315
May 2024	0	2,918
Apr 2024	0	2,928
Date	OTTO TURNER 2-15-14H 001 API # 17-031-25511 De Soto Parish, LA *** Lease Production	

Date	OTTO TURNER 2-15-14H 001	
	API # 17-031-25511	
	De Soto Parish, LA	
	*** Lease Production	
	Oil Prod (BBLs)	Gas Prod (MCF)
Mar 2024	0	3,268
Feb 2024	0	2,782
Jan 2024	0	3,597
Dec 2023	0	3,980
Nov 2023	0	3,596
Oct 2023	0	3,047
Sep 2023	0	2,963
Aug 2023	0	3,756
Jul 2023	0	2,709
Jun 2023	0	3,380
May 2023	0	3,962
Apr 2023	0	3,061
Mar 2023	0	4,763
Feb 2023	0	5,167
Jan 2023	0	5,108
Dec 2022	0	5,483
Nov 2022	0	5,284
Oct 2022	0	6,355
Sep 2022	0	3,753
Aug 2022	0	6,001
Jul 2022	0	6,601
Jun 2022	0	6,771
May 2022	0	7,013
Apr 2022	0	7,106
Mar 2022	0	7,609
Feb 2022	0	7,104
Jan 2022	0	8,256
Dec 2021	0	8,440
Nov 2021	0	8,614
Oct 2021	0	9,278
Sep 2021	0	9,176
Aug 2021	0	10,496
Jul 2021	0	9,765
Jun 2021	0	10,291
Date	OTTO TURNER 2-15-14H 001	
	API # 17-031-25511	
	De Soto Parish, LA	
	*** Lease Production	

Date	OTTO TURNER 2-15-14H 001 API # 17-031-25511 De Soto Parish, LA *** Lease Production	
	Oil Prod (BBLs)	Gas Prod (MCF)
May 2021	0	10,674
Apr 2021	0	11,115
Mar 2021	0	12,647
Feb 2021	0	6,267
Jan 2021	0	12,886
Dec 2020	0	13,996
Nov 2020	0	13,876
Oct 2020	0	15,336
Sep 2020	0	15,889
Aug 2020	0	17,502
Jul 2020	0	18,778
Jun 2020	0	19,197
May 2020	0	21,476
Apr 2020	0	22,243
Mar 2020	0	24,212
Feb 2020	0	24,671
Jan 2020	0	27,997
Dec 2019	0	30,702
Nov 2019	0	32,659
Oct 2019	0	37,038
Sep 2019	0	40,416
Aug 2019	0	46,785
Jul 2019	0	52,766
Jun 2019	0	59,082
May 2019	0	72,962
Apr 2019	0	85,209
Mar 2019	0	111,155
Feb 2019	0	48,760
Jan 2019	0	0
Dec 2018	0	1,632
Nov 2018	0	7,951
Oct 2018	0	8,139
Sep 2018	0	7,286
Aug 2018	0	6,013
Date	OTTO TURNER 2-15-14H 001 API # 17-031-25511 De Soto Parish, LA *** Lease Production	

Date	OTTO TURNER 2-15-14H 001 API # 17-031-25511 De Soto Parish, LA *** Lease Production	
	Oil Prod (BBLs)	Gas Prod (MCF)
Jul 2018	0	7,710
Jun 2018	0	8,361
May 2018	0	8,754
Apr 2018	0	9,173
Mar 2018	0	9,234
Feb 2018	0	8,394
Jan 2018	0	9,047
Dec 2017	0	9,705
Nov 2017	0	9,615
Oct 2017	0	9,562
Sep 2017	0	10,693
Aug 2017	0	10,721
Jul 2017	0	11,233
Jun 2017	0	11,251
May 2017	0	11,934
Apr 2017	0	11,428
Mar 2017	0	12,507
Feb 2017	0	10,628
Jan 2017	0	13,035
Dec 2016	0	13,567
Nov 2016	0	13,451
Oct 2016	0	14,448
Sep 2016	0	14,082
Aug 2016	0	15,399
Jul 2016	0	15,602
Jun 2016	0	12,702
May 2016	0	9,206
Apr 2016	0	16,611
Mar 2016	0	18,873
Feb 2016	0	19,090
Jan 2016	0	21,105
Dec 2015	0	22,058
Nov 2015	0	20,805
Oct 2015	0	22,923
Date	OTTO TURNER 2-15-14H 001 API # 17-031-25511 De Soto Parish, LA *** Lease Production	

Date	OTTO TURNER 2-15-14H 001 API # 17-031-25511 De Soto Parish, LA *** Lease Production	
	Oil Prod (BBLs)	Gas Prod (MCF)
Sep 2015	0	23,874
Aug 2015	0	5,181
Jul 2015	0	17,826
Jun 2015	0	18,969
May 2015	0	20,615
Apr 2015	0	20,476
Mar 2015	0	22,023
Feb 2015	0	18,706
Jan 2015	0	20,604
Dec 2014	0	26,514
Nov 2014	0	27,312
Oct 2014	0	30,459
Sep 2014	0	29,309
Aug 2014	0	31,490
Jul 2014	0	33,037
Jun 2014	0	33,766
May 2014	0	37,824
Apr 2014	0	39,294
Mar 2014	0	43,421
Feb 2014	0	41,896
Jan 2014	0	51,161
Dec 2013	0	56,368
Nov 2013	0	52,655
Oct 2013	0	64,532
Sep 2013	0	67,983
Aug 2013	0	78,260
Jul 2013	0	88,198
Jun 2013	0	93,682
May 2013	0	111,732
Apr 2013	0	119,986
Mar 2013	0	143,375
Feb 2013	0	135,875
Jan 2013	0	183,023
Dec 2012	0	206,627
Date	OTTO TURNER 2-15-14H 001 API # 17-031-25511 De Soto Parish, LA *** Lease Production	

Date	OTTO TURNER 2-15-14H 001	
	API # 17-031-25511	
	De Soto Parish, LA	
	*** Lease Production	
	Oil Prod (BBLs)	Gas Prod (MCF)
Nov 2012	0	246,569
Oct 2012	0	282,108
Sep 2012	0	173,150
Date	OTTO TURNER 2-15-14H 001	
	API # 17-031-25511	
	De Soto Parish, LA	
	*** Lease Production	



Conveyance Document

Please note the following draft deed/assignment has been prepared by the seller in advance of sale. The successful buyer agrees to accept title to the lots pursuant to said deeds or assignments. Seller shall not be obligated or required to modify or change said deeds or assignments unless a correction is required to properly convey the interests being sold.

NOTICE OF CONFIDENTIALITY RIGHTS: IF YOU ARE A NATURAL PERSON, YOU MAY REMOVE OR STRIKE ANY OR ALL OF THE FOLLOWING INFORMATION FROM ANY INSTRUMENT THAT TRANSFERS AN INTEREST IN REAL PROPERTY BEFORE IT IS FILED FOR RECORD IN THE PUBLIC RECORDS: YOUR SOCIAL SECURITY NUMBER OR YOUR DRIVER'S LICENSE NUMBER.

MINERAL AND ROYALTY DEED

STATE OF LOUISIANA

§

§

PARISH OF DESOTO

§

KNOWN ALL MEN BY THESE PRESENTS:

[REDACTED], whose address is [REDACTED] ("Grantor"), for One Hundred Dollars (\$100.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, hereby GRANTS, SELLS, CONVEYS, and ASSIGNS unto

("Grantee"), **6.25% of 100% as of May 1, 2026** of Grantor's right, title, and interest in and to the oil, gas, and mineral interests, royalty interests and other interests in and to those certain lands ("Lands") described below and located in DeSoto Parish, Louisiana:

Section 2, Township 15 North, Range 14 West

A tract of land comprised of 38.76 acres, more or less, located in Section 2, Township 15 North, Range 14 West, DeSoto Parish, Louisiana, as described in that certain Partition dated May 29, 2003 among Flora Law, Annie Mitchell, Louis Mitchell and David Mitchell, recorded May 30, 2003, in Book 812, Page 171, under Registry Number 601220 of the records of DeSoto Parish, Louisiana.

Grantor further excepts from this conveyance and reserves unto Grantor all of Grantor's right, title and interest in and to any after-acquired title, remainderman and reversionary interests.

This sale is made subject to all prior conveyances of mineral, royalty or wellbore interests of record, if any, and further subject to any rights now existing to any lessee or assigns under any valid and subsisting oil, gas, and mineral lease(s) of record heretofore executed; it being understood and agreed that said Grantee shall have, receive, and enjoy the herein-granted undivided interests in and to all royalties and other benefits which may accrue under the terms of said lease(s) insofar as the lease(s) covers the above-described interests from and after the Effective Date hereof.

Grantee is taking the property in its AS IS condition. Grantor makes no warranties or representations as to fitness or condition. Grantee acknowledges and stipulates that Grantee is relying on its inspections, and not in reliance on any representations or warranties by Grantor as to fitness or condition. **This conveyance is made expressly without warranty of any kind.**

Lot _____

TO HAVE AND TO HOLD all of the said oil, gas, and associated liquid or liquifiable hydrocarbons in, on or under and that may be produced and saved from said land, together with all and singular the rights and appurtenances thereto in any wise belonging, unto Grantee, its successors and assigns forever, without any warranty or guaranty of title, whether express or implied, whatsoever.

This Mineral and Royalty Deed shall bind and inure to the benefit of the heirs, successors and assigns of the parties hereto.

EXECUTED on the acknowledgment date below, but **EFFECTIVE** as of **June 1, 2026** (the "Effective Date") and therefore Grantee is entitled to the interests conveyed hereby on and after the Effective Date, but not before.

Grantor:

[REDACTED]

DIRECT ACKNOWLEDGEMENT

STATE OF NEW MEXICO
COUNTY OF SANTA FE

This instrument was acknowledged before me on this the _____ of _____, 2026, by

[REDACTED]

IN WITNESS HEREOF, I have hereunto set my hand and official seal on the day and year first above written.

SEAL

Signature of Notary

Name of Notary

Lot _____