

CORRECTED BHL: TO LEASE LINES

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies
DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 Pacheco St.
Santa Fe, NM 87505

Form C-105
Revised 1-1-89

WELL API NO. 30-025-23462	
5. Indicate Type Of Lease STATE ☒ FEE ☐	
6. State Oil & Gas Lease No. B-1520-1	
7. Lease Name or Unit Agreement Name NORTH VACUUM ABO UNIT	
8. Well No. 136W	
9. Pool name or Wildcat NORTH VACUUM ABO	

WELL COMPLETION OR RECOMPLETION REPORT AND LOG	
1a. Type of Well: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER <u>INJECTOR</u>	
b. Type of Completion: NEW WELL ☐ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR ☐ OTHER <u>SIDETRACK</u>	
2. Name of Operator <u>MOBIL PRODUCING TX & NM INC.*</u> <u>*MOBIL EXPLORATION & PRODUCING US INC. AS AGENT FOR MPTM</u>	
3. Address of Operator <u>P.O. Box 633 Midland, TX 79702</u>	

4. Well Location
SUR Unit Letter D : 660 Feet From The NORTH Line and 860 Feet From The WEST Line
BHL C 217 168
Section 26 Township 17S Range 34E NMPM LEA County

10. Date Spudded 11-12-97	11. Date T.D. Reached 11-24-97	12. Date Compl.(Ready to Prod.) 12-12-97	13. Elevations(DF & RKB, RT, GR, etc.) 4034' GR	14. Elev. Casinghead
15. Total Depth 9376' TMD	16. Plug Back T.D. 9376' TMD	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By Rotary Tools X	Cable Tools
19. Producing Interval(s), of this completion - Top, Bottom, Name 8402-9376' TMD OHZ / ABO			20. Was Directional Survey Made YES	
21. Type Electric and Other Logs Run NA			22. Was Well Cored NO	

23. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	20#	1650'	12 1/4"	CIRCULATED/SURFACE	
4 1/2"	9.5 & 11.6#	8700'	7 7/8"	CIRCULATED/SURFACE	
EXISTING	WELBORE				

24. LINER RECORD				25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET
					2 7/8"	8349'
						8355'

26. Perforation record (interval, size, and number) LATERAL #1 8402-9376' TMD OHZ	27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL 8661-9376' TMD AMOUNT AND KIND MATERIAL USED LATERAL #1 ACIDIZE W/665 GALS 15% HCL & 11600 GALS 20 % ACID
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28. PRODUCTION							
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)	
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	
29. Disposition of Gas (Sold, used for fuel, vented, etc.)						Test Witnessed By	

30. List Attachments

DIRECTIONAL SURVEY

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature

Shirley Houchins

Printed Name

SHIRLEY HOUCHINS

Title

ENV & REG TECH

Date 3-12-98

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
811 S. 1st Street, Artesia, NM 88210-2834
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-102
Revised October 18, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☒ AMENDED REPORT
CORRECTED BHL: TO LEASE LINES

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-23696	² Pool Code 61760	³ Pool Name NORTH VACUUM ABO
⁴ Property Code 8055	⁵ Property Name NORTH VACUUM ABO UNIT	⁶ Well Number #136W
⁷ OGRID No. 15144	⁸ Operator Name MOBIL PRODUCING TX & NM INC. *MOBIL EXPLORATION & PRODUCING US INC. AS AGENT FOR MPTM	⁹ Elevation 4034' GR

¹⁰ Surface Location

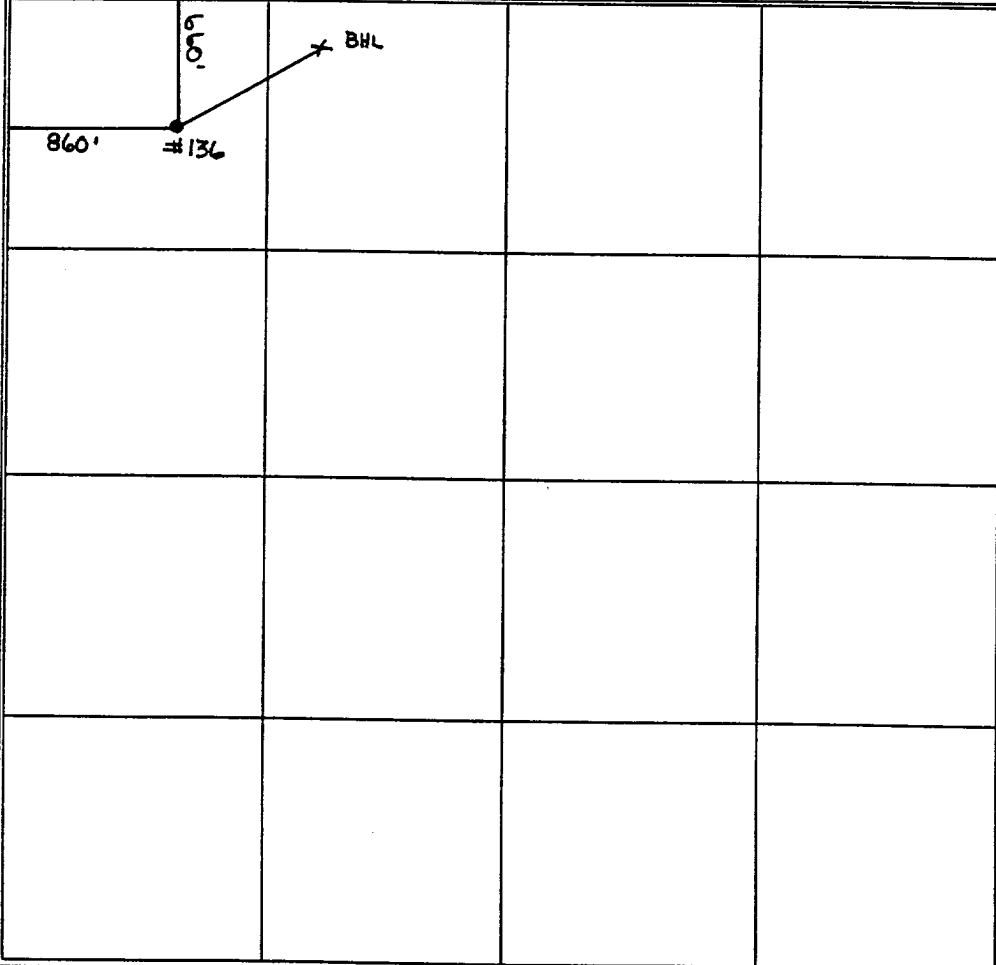
UL or lot no. D	Section 26	Township 17S	Range 34E	Lot. Idn	Feet from the 660	North/South Line NORTH	Feet from the 860	East/West line WEST	County LEA
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. C	Section 26	Township 17S	Range 34E	Lot. Idn	Feet from the 217'	North/South Line NORTH	Feet from the 1618	East/West line WEST	County LEA
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¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON--STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Shirley Houchins Signature SHIRLEY HOUCHINS Printed Name ENV & REG TECHNICIAN Title 3-12-98 Date
	¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey Signature and Seal of Professional Surveyer: Certificate Number



*Mobil Exploration
Vacuum Field (PA/WC)
Lea County
Sec. 26-T17S-R34E
NV ABO # 136 - MWD Sidetrack*

SURVEY REPORT

30 November, 1997

Sperry-Sun Drilling Services

Survey Report for NV ABO # 136



Mobil Exploration
Vacuum Field (PAWC)

Lea County
Sec. 26-T17S-R34E

Measured Depth (ft)	Incl.	Azim.	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
Org Hole							
0.00	0.000	0.000	0.00	0.00 N	0.00 E	0.00	
200.00	0.380	258.600	200.00	0.13 S	0.65 W	-0.61	0.190
400.00	0.340	269.570	399.99	0.27 S	1.89 W	-1.70	0.040
600.00	0.440	227.180	599.99	0.79 S	3.05 W	-2.95	0.149
800.00	0.460	215.730	799.98	2.00 S	4.10 W	-4.51	0.050
1000.00	0.770	205.430	999.97	3.89 S	5.17 W	-6.46	0.155
1200.00	0.750	194.540	1199.95	6.37 S	6.07 W	-8.63	0.073
1400.00	1.230	207.260	1399.92	9.54 S	7.39 W	-11.53	0.263
1600.00	1.870	207.270	1599.85	14.35 S	9.87 W	-16.31	0.320
1800.00	1.550	202.330	1799.76	19.76 S	12.39 W	-21.48	0.176
2000.00	1.470	203.830	1999.69	24.60 S	14.45 W	-25.95	0.045
2200.00	1.250	198.670	2199.63	29.02 S	16.19 W	-29.90	0.126
2400.00	0.820	222.910	2399.60	32.13 S	17.86 W	-33.06	0.302
2600.00	0.450	248.620	2599.59	33.47 S	19.57 W	-35.22	0.229
2800.00	0.020	283.530	2799.59	33.75 S	20.33 W	-36.01	0.217
3000.00	0.080	356.380	2999.59	33.60 S	20.37 W	-35.96	0.038
3200.00	0.200	313.850	3199.59	33.22 S	20.63 W	-35.95	0.076
3400.00	0.220	294.150	3399.59	32.82 S	21.24 W	-36.22	0.037
3600.00	0.160	226.140	3599.59	32.85 S	21.79 W	-36.69	0.109
3800.00	0.280	118.320	3799.58	33.28 S	21.56 W	-36.75	0.181
4000.00	0.450	117.500	3999.58	33.87 S	20.43 W	-36.17	0.085
4200.00	0.410	111.650	4199.57	34.50 S	19.07 W	-35.41	0.030
4400.00	0.380	108.990	4399.57	34.98 S	17.78 W	-34.63	0.018
4600.00	0.890	115.260	4599.56	35.86 S	15.75 W	-33.47	0.257
4800.00	1.180	115.450	4799.52	37.41 S	12.48 W	-31.68	0.145
5000.00	0.910	112.860	4999.49	38.91 S	9.16 W	-29.82	0.137
5200.00	0.820	127.630	5199.47	40.40 S	6.56 W	-28.55	0.120
5400.00	0.620	160.340	5399.45	42.29 S	5.06 W	-28.41	0.224
5600.00	0.440	160.060	5599.44	44.03 S	4.44 W	-28.89	0.090
5800.00	0.660	158.030	5799.44	45.82 S	3.75 W	-29.35	0.110
6000.00	0.450	163.090	5999.43	47.64 S	3.09 W	-29.86	0.108
6200.00	0.610	149.490	6199.42	49.31 S	2.32 W	-30.18	0.101
6400.00	0.710	147.970	6399.40	51.28 S	1.12 W	-30.33	0.051
6600.00	1.040	146.350	6599.38	53.84 S	0.54 E	-30.44	0.165
6800.00	0.750	133.500	6799.36	56.25 S	2.50 E	-30.22	0.175
7000.00	0.870	139.980	6999.34	58.32 S	4.42 E	-29.83	0.075
7200.00	0.800	126.510	7199.31	60.31 S	6.52 E	-29.25	0.104
7400.00	1.040	100.750	7399.29	61.48 S	9.43 E	-27.54	0.236
7600.00	0.880	104.910	7599.26	62.21 S	12.70 E	-25.28	0.087
7800.00	0.870	108.920	7799.24	63.10 S	15.62 E	-23.40	0.031

Continued...

Sperry-Sun Drilling Services

Survey Report for NV ABO # 136



Mobil Exploration
Vacuum Field (PA/WC)

Lea County
Sec. 26-T17S-R34E

Measured Depth (ft)	Incl.	Azim.	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
8000.00	0.750	121.540	7999.22	64.28 S	18.17 E	-21.99	0.107
8200.00	1.610	124.610	8199.17	66.56 S	21.60 E	-20.49	0.431
8390.00	1.880	124.080	8389.09	69.82 S	26.37 E	-18.44	0.142

MWD Sidetrack

8395.00	1.880	124.080	8394.08	69.91 S	26.51 E	-18.38	0.000
8402.00	5.700		8401.07	69.78 S	26.89 E	-18.00	76.079
8410.00	9.000	58.050	8409.00	69.22 S	27.75 E	-16.97	41.523
8420.00	13.500	59.870	8418.81	68.22 S	29.42 E	-15.03	45.134
8430.00	17.800	60.880	8428.43	66.89 S	31.77 E	-12.34	43.085
8440.00	22.400	61.520	8437.82	65.23 S	34.78 E	-8.93	46.052
8450.00	25.500	61.960	8446.96	63.31 S	38.35 E	-4.90	31.051
8460.00	27.600	62.290	8455.91	61.22 S	42.31 E	-0.46	21.052
8470.00	30.300	62.550	8464.66	58.98 S	46.60 E	4.34	27.029
8480.00	34.100	62.750	8473.12	56.54 S	51.33 E	9.62	38.015
8490.00	38.100	62.930	8481.19	53.85 S	56.57 E	15.45	40.014
8500.00	40.700	63.070	8488.92	50.97 S	62.22 E	21.74	26.015
8510.00	43.900	63.200	8496.32	47.93 S	68.23 E	28.40	32.012
8520.00	46.500	59.600	8503.36	44.53 S	74.45 E	35.45	36.441
8530.00	48.400	55.300	8510.13	40.56 S	80.66 E	42.81	36.931
8540.00	50.500	51.200	8516.63	36.01 S	86.74 E	50.40	37.563
8550.00	53.900	50.300	8522.76	31.01 S	92.86 E	58.27	34.735
8560.00	57.600	50.900	8528.38	25.77 S	99.24 E	66.51	37.331
8570.00	61.300	52.400	8533.47	20.43 S	106.00 E	75.11	39.189
8580.00	63.500	52.400	8538.10	15.02 S	113.02 E	83.96	22.000
8590.00	65.900	50.500	8542.37	9.39 S	120.09 E	92.98	29.513
8600.00	67.500	52.800	8546.33	3.69 S	127.29 E	102.15	26.499
8610.00	69.600	51.300	8549.99	2.03 N	134.63 E	111.45	25.217
8620.00	71.400	52.900	8553.32	7.82 N	142.07 E	120.86	23.483
8630.00	74.600	54.900	8556.25	13.46 N	149.79 E	130.42	37.278
8640.00	78.500	55.200	8558.57	19.03 N	157.76 E	140.14	39.109
8650.00	82.200	55.900	8560.25	24.60 N	165.89 E	150.00	37.638
8680.00	85.900	53.500	8563.36	41.84 N	190.24 E	179.83	14.677
8710.00	86.700	52.000	8565.29	59.96 N	214.06 E	209.74	5.657
8740.00	87.300	53.000	8566.86	78.20 N	237.83 E	239.67	3.883
8771.00	87.900	54.300	8568.16	96.56 N	262.78 E	270.64	4.615
8802.00	90.600	53.900	8568.57	114.73 N	287.88 E	301.63	8.805
8833.00	90.000	55.200	8568.41	132.71 N	313.14 E	332.63	4.619
8864.00	91.200	57.300	8568.08	149.93 N	338.91 E	363.61	7.802
8896.00	89.200	57.800	8567.97	167.10 N	365.91 E	395.58	6.442
8927.00	90.100	57.400	8568.16	183.71 N	392.08 E	426.55	3.177
8957.00	88.700	57.300	8568.47	199.89 N	417.34 E	456.52	4.679
8988.00	89.600	57.600	8568.93	216.57 N	443.47 E	487.49	3.060
9019.00	90.000	57.400	8569.04	233.23 N	469.61 E	518.46	1.443
9050.00	90.100	56.400	8569.01	250.16 N	495.58 E	549.44	3.242

Continued...

Sperry-Sun Drilling Services

Survey Report for NV ABO # 136



**Mobil Exploration
Vacuum Field (PA/WC)**

**Lea County
Sec. 26-T17S-R34E**

Measured Depth (ft)	Incl.	Azim.	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
9081.00	87.700	53.900	8569.61	267.86 N	521.01 E	580.43	11.178
9112.00	87.800	53.700	8570.83	286.16 N	546.01 E	611.40	0.721
9143.00	87.000	53.700	8572.23	304.49 N	570.97 E	642.36	2.581
9174.00	86.200	52.700	8574.07	323.03 N	595.75 E	673.29	4.127
9205.00	85.500	52.900	8576.32	341.72 N	620.37 E	704.18	2.348
9236.00	86.800	52.700	8578.40	360.42 N	645.01 E	735.09	4.243
9265.00	88.900	53.600	8579.48	377.80 N	668.20 E	764.05	7.877
9295.00	89.900	54.800	8579.80	395.35 N	692.53 E	794.05	5.207
9326.00	89.500	53.900	8579.96	413.41 N	717.72 E	825.05	3.177
9341.00	89.400	54.000	8580.10	422.24 N	729.85 E	840.04	0.943
9376.00	90.000	54.000	8580.29	442.81 N	758.16 E	875.04	1.714

All data is in feet unless otherwise stated. Directions and coordinates are relative to True North.
Vertical depths are relative to RKB. Northings and Eastings are relative to Wellhead.

The Dogleg Severity is in Degrees per 100ft.

Vertical Section is from Wellhead and calculated along an Azimuth of 55.000° (True).

Based upon Minimum Curvature type calculations, at a Measured Depth of 9376.00ft.,
The Bottom Hole Displacement is 878.00ft., in the Direction of 59.712° (True).

State: New Mexico
Field: Vacuum Field (PAWC)
Project: Lea County
Structure: Sec. 26-T17S-R34E