

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-105
Revised 1-1-89

OIL CONSERVATION DIVISION

2040 Pacheco St.
Santa Fe, NM 87505

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

WELL API NO.

30-015-27891

5. Indicate Type Of Lease

STATE ☒

FEE ☐

6. State Oil & Gas Lease No.

E-10169

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:

OIL WELL ☒

GAS WELL ☐

DRY ☐

OTHER ☐

b. Type of Completion:

NEW WELL ☐

WORK OVER ☒

DEEPEN ☐

PLUG BACK ☐

DIFF RESVR ☐

OTHER ☐

2. Name of Operator

Marathon Oil Company

3. Address of Operator

P.O. Box 552, Midland, TX 79702

4. Well Location

Unit Letter B : 660 Feet From The NORTH Line and 1650 Feet From The EAST Line

Section 36

Township 20 1/2-S

Range 23-E

NMPM

EDDY

County

10. Date Spudded

4/2/94

11. Date T.D. Reached

4/27/94

12. Date Compl. (Ready to Prod.)

6/2/94

13. Elevations (DF & RKB, RT, GR, etc.)

GL: 3644' KB: 3657'

14. Elev. Casinghead

15. Total Depth 9371' MD

7644' TVD

16. Plug Back T.D.

7980' VERTICAL

17. If Multiple Compl. How Many Zones?

18. Intervals Drilled By

Rotary Tools

Cable Tools

ALL

19. Producing Interval(s), of this completion - Top, Bottom, Name

7525'-9371' MD, 7520'-7644' TVD UPPER PENN

20. Was Directional Survey Made

YES

21. Type Electric and Other Logs Run

22. Was Well Cored

NO

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
NO CHANGE	SEE ORIGINAL	COMPLETION RPT.			

LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

TUBING RECORD

SIZE	DEPTH SET	PACKER SET
<u>2-7/8"</u>	<u>7891'</u>	<u>NONE</u>

26. Perforation record (interval, size, and number)

OPEN HOLE LATERAL: 7525'-9371' MD, 7520'-7644' TVD

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
<u>7687'-9372'</u>	<u>26.550 GALLONS 15% HCl</u>
<u>7805'-9392'</u>	<u>12,000 GALS. 15% HCl & 3500 XYLENE</u>
<u>8050'-9250'</u>	<u>6000 gal 15% HCl & 6000 GALS KCl</u>

PRODUCTION

Date First Production 5/9/94 Production Method (Flowing, gas lift, pumping - Size and type pump) sub pump Well Status (Prod. or Shut-in) producing

Date of Test 12/21/98 Hours Tested 24 Choke Size 32 Oil - Bbl. 144 Gas - MCF 451 Water - Bbl. 4500 Gas - Oil Ratio 4500

Flow Tubing Press. 180 Casing Pressure 180 Calculated 24-Hour Rate 41.5 Oil Gravity - API - (Corr.) 41.5

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 Ginny Larke Printed Name Ginny Larke Title Engineer Tech. Date 1/15/99

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northeastern New Mexico

T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____ surface	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Crayburg _____ 389	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____ 617	T. Simpson _____	T. Gallup _____	T. Ignacio Otzte _____
T. Glorieta _____ 2220	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____ 2335	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinebry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Delaware Sand _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Bone Springs _____ 4183	T. Entrada _____	T. _____
T. Abo _____	T. _____	T. Wingate _____	T. _____
T. Wolfcamp _____ 6079	T. _____	T. Chinle _____	T. _____
T. Penn _____ 7517	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. D. 8006' Loggers _____	T. Penn "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from _____ 7541 _____ to _____ 7578 _____ No. 3, from _____ to _____
 No. 2, from _____ 7622 _____ to _____ 7758 _____ No. 4, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from _____ to _____ feet
 No. 2, from _____ to _____ feet
 No. 3, from _____ to _____ feet

LITHOLOGY RECORD

(Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology	From	To	Thickness in Feet	Lithology
Surface	389	389	Sand, Dolomite				
389	2220	1831	Dolomite, Limestone				
2220	2335	115	Sand, Dolomite				
2335	3294	959	Dolomite, Sand				
3294	6079	2785	Limestone, Sand, Dolomite				
6079	7517	1438	Shale, Limestone, Sand				
7517	8006	489	Dolomite, Shale, Limestone				

* * * N A U T I C A L (V e r s i o n 3 . 1) * * *

Well: Stinking Draw No. 1

Target Azimuth: 270
Target TVD: 7730

Closure Direction: 269

Measured Depth (ft)	Inclination (deg.)	Azimuth (deg.)	True Vertical Depth (ft)	Vertical Section (ft)	North/ South (ft)	East/ West (ft)	Closure (ft)	Build Rate (deg/ft)	Walk Rate (deg/ft)	Dogleg Severity (d/100')	Tool Face (deg)
7,525.00	1.89	215.96	7,519.93	138.80	119.68	-138.78	<==== Tie-in Data				
7,602.00	5.50	270.00	7,596.76	143.20	117.43	-143.20	185.19	0.047	0.702	6.0	GYRO
7,608.00	8.50	251.40	7,602.72	143.92	117.31	-143.92	185.67	0.500	-3.100	62.1	GYRO
7,614.00	10.50	234.00	7,608.64	144.80	116.85	-144.80	186.07	0.333	-2.900	58.0	GYRO
7,631.00	14.30	246.60	7,625.24	147.97	115.04	-147.97	187.43	0.224	0.741	27.3	GYRO
7,645.00	18.70	252.20	7,638.66	151.70	113.65	-151.70	189.54	0.314	0.400	33.4	20 R
7,661.00	25.00	249.60	7,653.50	157.32	111.70	-157.32	192.94	0.394	-0.163	39.8	20 L
7,677.00	32.40	245.10	7,667.53	164.41	108.74	-164.41	197.12	0.463	-0.281	48.2	HS
7,693.00	39.20	243.50	7,680.50	172.85	104.68	-172.85	202.07	0.425	-0.100	42.9	20 L
7,708.00	46.00	236.00	7,691.53	181.62	99.56	-181.62	207.12	0.453	-0.500	56.5	20 L
7,724.00	53.00	233.50	7,701.92	191.55	92.54	-191.55	212.74	0.438	-0.156	45.3	25 R
7,741.00	58.80	237.20	7,711.45	203.13	84.54	-203.13	220.02	0.341	0.218	38.6	45 R
7,756.00	65.20	243.60	7,718.49	214.65	78.00	-214.65	228.38	0.427	0.427	56.9	30 R
7,771.00	71.90	242.50	7,723.97	227.09	71.67	-227.09	238.13	0.447	-0.073	45.2	20 L
7,782.00	77.20	242.10	7,726.90	236.48	66.74	-236.48	245.72	0.482	-0.036	48.3	HS
7,803.00	87.40	239.20	7,729.71	254.62	56.54	-254.62	260.82	0.486	-0.138	50.5	HS
7,808.00	89.80	239.00	7,729.83	258.91	53.97	-258.91	264.48	0.480	-0.040	48.2	HS
7,818.00	86.90	238.80	7,730.12	267.47	48.81	-267.47	271.89	-0.290	-0.020	29.1	?
7,834.00	86.70	238.90	7,731.01	281.14	40.55	-281.14	284.05	-0.013	0.006	1.4	Rot
7,864.00	93.10	238.90	7,731.06	306.83	25.05	-306.83	307.85	0.213	0.000	21.3	HS
7,895.00	97.50	246.60	7,728.20	334.27	10.92	-334.27	334.45	0.142	0.248	28.5	45 R
7,926.00	99.40	255.20	7,723.65	363.25	0.88	-363.25	363.25	0.061	0.277	28.1	85 R
7,958.00	97.50	263.90	7,718.94	394.37	-4.86	-394.37	394.40	-0.059	0.272	27.5	130 R
7,990.00	92.60	261.20	7,716.13	425.98	-8.99	-425.98	426.07	-0.153	-0.084	17.5	140 L
8,022.00	88.50	262.60	7,715.82	457.66	-13.50	-457.66	457.86	-0.128	0.044	13.5	125 R
8,053.00	88.20	261.70	7,716.71	488.36	-17.73	-488.36	488.68	-0.010	-0.029	3.1	Rot
8,085.00	89.40	262.50	7,717.38	520.05	-22.13	-520.05	520.52	0.038	0.025	4.5	Rot
8,116.00	90.10	264.50	7,717.52	550.85	-25.64	-550.85	551.44	0.023	0.065	6.8	Rot
8,147.00	90.30	264.80	7,717.41	581.71	-28.53	-581.71	582.41	0.006	0.010	1.2	Rot
8,179.00	91.20	264.90	7,716.99	613.58	-31.40	-613.58	614.38	0.028	0.003	2.8	Rot
8,210.00	91.70	266.00	7,716.21	644.47	-33.86	-644.47	645.36	0.016	0.035	3.9	Rot
8,241.00	91.10	267.60	7,715.45	675.41	-35.59	-675.41	676.35	-0.019	0.052	5.5	Rot
8,272.00	90.30	270.90	7,715.07	706.41	-35.99	-706.41	707.33	-0.026	0.106	11.0	130 R
8,302.00	90.60	271.70	7,714.83	736.40	-35.31	-736.40	737.25	0.010	0.027	2.8	Rot
8,335.00	90.20	272.30	7,714.60	769.38	-34.16	-769.38	770.14	-0.012	0.018	2.2	Rot
8,362.00	89.20	272.30	7,714.75	796.36	-33.08	-796.36	797.04	-0.037	0.000	3.7	Rot
8,398.00	88.80	271.70	7,715.37	832.33	-31.82	-832.33	832.94	-0.011	-0.017	2.0	Rot
8,429.00	90.90	270.20	7,715.46	863.33	-31.31	-863.33	863.89	0.068	-0.048	8.3	30 L
8,461.00	91.60	270.10	7,714.76	895.32	-31.22	-895.32	895.86	0.022	-0.003	2.2	Rot
8,492.00	93.80	269.50	7,713.30	926.28	-31.33	-926.28	926.81	0.071	-0.019	7.4	20 L
8,522.00	92.40	270.60	7,711.67	956.24	-31.31	-956.24	956.75	-0.047	0.037	5.9	Rot
8,555.00	92.60	270.10	7,710.24	989.21	-31.10	-989.21	989.70	0.006	-0.015	1.6	Rot
8,587.00	92.40	271.00	7,708.84	1,021.17	-30.80	-1,021.17	1,021.64	-0.006	0.028	2.9	Rot
8,618.00	92.50	271.20	7,707.51	1,052.14	-30.20	-1,052.14	1,052.57	0.003	0.006	0.7	Rot
8,649.00	92.40	271.30	7,706.19	1,083.11	-29.53	-1,083.11	1,083.51	-0.003	0.003	0.5	Rot
8,680.00	93.10	271.40	7,704.70	1,114.06	-28.80	-1,114.06	1,114.43	0.023	0.003	2.3	Rot
8,711.00	93.10	271.70	7,703.02	1,145.00	-27.96	-1,145.00	1,145.35	0.000	0.010	1.0	Rot
8,743.00	92.90	271.70	7,701.35	1,176.95	-27.01	-1,176.95	1,177.26	-0.006	0.000	0.6	Rot
8,774.00	92.90	271.60	7,699.78	1,207.89	-26.12	-1,207.89	1,208.18	0.000	-0.003	0.3	Rot
8,805.00	92.40	271.20	7,698.35	1,238.85	-25.36	-1,238.85	1,239.11	-0.016	-0.013	2.1	Rot
8,836.00	91.60	269.90	7,697.27	1,269.83	-25.07	-1,269.83	1,270.08	-0.026	-0.042	4.9	Rot
8,868.00	91.50	269.90	7,696.40	1,301.82	-25.12	-1,301.82	1,302.06	-0.003	0.000	0.3	Rot
8,899.00	92.30	270.00	7,695.37	1,332.80	-25.15	-1,332.80	1,333.04	0.026	0.003	2.6	Rot
8,930.00	91.50	269.40	7,694.34	1,363.78	-25.31	-1,363.78	1,364.02	-0.026	-0.019	3.2	Rot

* * * N A U T I C A L (V e r s i o n 3 . 1) * * *

Well: Stinking Draw No. 1

Target Azimuth: 270
Target TVD: 7730

Closure Direction: 269

Measured Depth (ft)	Inclination (deg.)	Azimuth (deg.)	True Vertical Depth (ft)	Vertical Section (ft)	North/ South (ft)	East/ West (ft)	Closure (ft)	Build Rate (deg/ft)	Walk Rate (deg/ft)	Dogleg Severity (d/100')	Tool Face (deg)
8,962.00	91.80	269.30	7,693.42	1,395.77	-25.68	-1,395.77	1,396.01	0.009	-0.003	1.0	Rot
8,992.00	92.10	268.30	7,692.40	1,425.75	-26.30	-1,425.75	1,425.99	0.010	-0.033	3.5	Rot
9,024.00	92.70	268.40	7,691.06	1,457.70	-27.22	-1,457.70	1,457.96	0.019	0.003	1.9	Rot
9,055.00	92.30	269.10	7,689.71	1,488.67	-27.90	-1,488.67	1,488.93	-0.013	0.023	2.6	Rot
9,087.00	88.60	269.10	7,689.46	1,520.66	-28.40	-1,520.66	1,520.93	-0.116	0.000	11.6	180
9,118.00	88.90	268.90	7,690.13	1,551.65	-28.94	-1,551.65	1,551.92	0.010	-0.006	1.2	Rot
9,150.00	91.80	269.20	7,689.94	1,583.65	-29.47	-1,583.65	1,583.92	0.091	0.009	9.1	0
9,181.00	95.10	269.50	7,688.07	1,614.59	-29.82	-1,614.59	1,614.86	0.106	0.010	10.7	0
9,213.00	98.50	270.20	7,684.29	1,646.36	-29.91	-1,646.36	1,646.63	0.106	0.022	10.8	0
9,244.00	99.90	270.40	7,679.33	1,676.96	-29.75	-1,676.96	1,677.23	0.045	0.006	4.6	0
9,276.00	103.30	270.70	7,672.89	1,708.31	-29.45	-1,708.31	1,708.56	0.106	0.009	10.7	0
9,302.00	106.10	270.60	7,666.30	1,733.46	-29.16	-1,733.46	1,733.70	0.108	-0.004	10.8	0
9,339.00	109.30	270.80	7,655.05	1,768.70	-28.72	-1,768.70	1,768.93	0.086	0.005	8.7	0
9,371.00	112.00	271.00	7,643.76	1,798.64	-28.26	-1,798.64	1,798.86	0.084	0.006	8.5	Proj

