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Form C-105
Revised 11-1-8

NEW MEXICO OIL CONSERVATION COMMISSION WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease State ☐ Fee ☒
5. State Oil & Gas Lease No. NM-2579

1a. TYPE OF WELL OIL WELL ☐ GAS WELL ☐ DRY ☒ OTHER _____
b. TYPE OF COMPLETION NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER _____

7. Unit Agreement Name
8. Farm or Lease Name Luther Horton
9. Well No. 1
10. Field and Pool, or Wildcat Wildcat

2. Name of Operator Marathon Oil Company
3. Address of Operator P. O. Box 2409, Hobbs, New Mexico 88240

4. Location of Well UNIT LETTER <u>J</u> LOCATED <u>1980</u> FEET FROM THE <u>South</u> LINE AND <u>1980</u> FEET FROM

THE <u>East</u> LINE OF SEC. <u>24</u> TWP. <u>3-S</u> RGE. <u>32-E</u> NMPM
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12. County Roosevelt

15. Date Spudded 7-18-79	16. Date T.D. Reached 8-18-79	17. Date Compl. (Ready to Prod.) P&A 8-22-79	18. Elevations (DF, RKB, RT, GR, etc.) 4323' GR 4335' KB	19. Elev. Casinghead 4323'
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20. Total Depth 7850'	21. Plug Back T.D. -	22. If Multiple Compl., How Many	23. Intervals Drilled By Rotary Tools <u>X</u> Cable Tools
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24. Producing interval(s), of this completion - Top, Bottom, Name N/A	25. Was Directional Survey Made No
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26. Type Electric and Other Logs Run GR-CNL-FDC-Caliper, GR-BHC-Caliper, GR-DLL-MSFL-Caliper	27. Was Well Cored No
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28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	48	323'	17 1/2"	350 sx Class "C"	Cmt. Circulated
9 5/8"	32	1563'	12 1/2"	1000 sx HOWCO "Light"	Cmt. Circulated
9 5/8"	36	1563-3044'	12 1/2"	and 200 sx Class "C"	
9 5/8"	40	3044-3710'	12 1/2"		

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET

31. Perforation Record (Interval, size and number)	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED

33. 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.)	

34. Disposition of Gas (Sold, used for fuel, vented, etc.)	Test Witnessed By
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35. List of Attachments Logs listed at (26) above, Inclination Report, DST Report.

36. 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.

SIGNED <u>Mark E Brown</u>	TITLE <u>Production Engineer</u>	DATE <u>September 12, 1979</u>
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INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission 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 30 through 34 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

Northwestern New Mexico

T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____ 1600	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____ 1790	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____ 2350	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____ 7660	T. Mancos _____	T. McCracken _____
T. San Andres _____ 2740	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzite _____
T. Glorieta _____ 3980	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinebry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____ 5417	T. Granite _____ 7845	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____ 6105	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____ 6742	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____ 7150	T. _____	T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from _____ to _____ No. 4, from _____ to _____
 No. 2, from _____ to _____ No. 5, from _____ to _____
 No. 3, from _____ to _____ No. 6, 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.
 No. 4, from _____ to _____ feet.

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	900		Redbeds				
900	2000		Anhydrite & Salt				
2000	3000		Anhydrite, Dolomite & Shale				
3000	4800		Dol., Anhy. & Limestone				
4800	6200		Limestone & Sandstone				
6200	6800		Shale & Sandstone				
6800	7100		Limestone & Dolomite				
7100	7600		Limestone				
7600	7845		Limestone, Dol. & Chert				
7845	7850		Granite				

OIL CONSERVATION DIV.

SEP 13 '79

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REPORT OF SPECIAL TESTS ON LUTHER HORTON WELL NO. 1

DST #1: 8-13-79
Depth: 6820-6868'

	Initial Hydrostatic Pressure	3689
30 Min.	Initial Flow Pressure	267
60 Min.	Initial Shut-in Pressure	2248
60 Min.	Final Flow Pressure	274
120 Min.	Final Shut-in Pressure	2209
	Final Hydrostatic Pressure	3709

Recovered 346' of drilling mud.
No recovery from sampler.

DST #2: 8-21-79
Depth: 7596-7850'

	Initial Hydrostatic Pressure	4363
30 Min.	Initial Flow Pressure	2537
60 Min.	Initial Shut-in Pressure	2825
90 Min.	Final Flow Pressure	2825
120 Min.	Final Shut-in Pressure	2832
	Final Hydrostatic Pressure	4325

Recovered 5509' of drilling fluid and salt water.
Sampler contained 0.65 cu.ft. of gas and 1500 cc of water and mud at
0 psig on the surface.

MEB:mfm
9-12-78

INCLINATION REPORT

OPERATOR Marathon Oil Company ADDRESS P. O. Box 2409, Hobbs, N.M. 88240LEASE Luther Horton WELL NO. 1 FIELD WildcatLOCATION 1980' FSL & 1980' FEL of Section 24, Township 3-South, Range 32-East

Depth	Inclination (Degrees)	Displacement	Displacement Accumulated
167	0	0.00	0.00
260	1/4	0.41	0.41
326	1/4	0.29	0.70
476	1/2	1.31	2.01
631	1/2	1.35	3.36
819	0	0.00	3.36
1037	1/4	0.95	4.31
1243	1/2	1.80	6.11
1441	1/2	1.73	7.84
1641	1/2	1.75	9.59
1770	0	0.00	9.59
1967	1/4	0.86	10.45
2170	1/2	1.77	12.22
2370	1/2	1.75	13.97
2551	1/2	1.58	15.55
2746	1/2	1.70	17.25
2951	1/4	0.89	18.14
3182	1/4	1.01	19.15
3398	1/4	0.94	20.09
3572	1/2	1.52	21.61
3900	1/2	2.86	24.47
4200	3/4	3.92	28.40
4400	1	3.49	31.89
4600	3/4	2.62	34.51
5000	1 1/2	10.47	44.98
5213	1 1/4	4.65	49.63
5400	1	3.26	52.89
5618	1 1/4	4.76	57.65
5800	1 1/2	4.76	62.41
5995	1 1/2	5.10	67.51
6070	1 1/2	1.96	69.47

(CONTINUED ON ATTACHED SHEET)

I hereby certify that the above data as set forth is true and correct to the best of my knowledge and belief.

Mark E. Brown
Title: Production Engineer

Affidavit:

Before me, the undersigned authority, appeared Mark E. Brown known to me to be the person whose name is subscribed herebelow, who, on making deposition, under oath states that he is acting for and in behalf of the operator of the well identified above, and that to the best of his knowledge and belief such well was not intentionally deviated from the true vertical whatsoever.

Mark E. Brown
(Affiant's Signature)

Sworn and subscribed to in my presence on this 13th day of September, 1979.

[Signature]
Notary Public in and for the County
of Lea, State of New Mexico

My Commission Expires 7-21-80

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OIL CONSERVATION DIV.

Luther Horton Well No. 1
Inclination Report
Page 2

<u>Depth</u>	<u>Inclination (Degrees)</u>	<u>Displacement</u>	<u>Displacement Accumulated</u>
6478	1 3/4	12.46	81.93
6610	1 1/4	2.88	84.81
6868	1 1/4	5.63	90.44
7140	1 1/4	5.93	96.37
7636	2	17.31	113.68
7850	1	3.73	117.41