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Form C-105
Revised 11-1-76

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. L-1926
7. Unit Agreement Name
8. Farm or Lease Name Northern Natural State
9. Well No. 1
10. Field and Pool, or Wildcat Wildcat-Middle Morrow
11. County Lea

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 Union Oil Company of California
3. Address of Operator P. O. Box 671 - Midland, Texas 79702
4. Location of Well UNIT LETTER 0 LOCATED 660 FEET FROM THE South LINE AND 1980 FEET FROM

THE East LINE OF SEC. 28 TWP. 22-S RGE. 35-E NMPV	15. Date Spudded 2-20-77	16. Date T.D. Reached 5-27-77	17. Date Compl. (Ready to Prod.) May 30, 1977	18. Elevations (DF, RKB, RT, GR, etc.) 3524' GR.	19. Elev. Casinghead
20. Total Depth 15,390'	21. Plug Back T.D. 14,480'	22. If Multiple Compl., How Many	23. Intervals Drilled By 0'-15,390'	Rotary Tools	Cable Tools
24. Producing Interval(s), of this completion - Top, Bottom, Name 13,557' to 13,565' Middle Morrow					25. Was Directional Survey Made No

26. Type Electric and Other Logs Run Compensated Neutron-Formation Density; Dual Laterolog & Dual Induction-Laterolog; Borehole Compensated Sonic Log	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
20" OD	94#	504'	26"	1000 sx Circulated	
13-3/8" OD	68# & 61#	4,520'	17-1/2"	1500 sx & 2500 sx(2nd Stage)	
9-5/8" OD	43.5# & 47#	11,331'	12-1/4"	1100 sx & 900 sx(2nd Stage)	

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
7-5/8" OD	10,994'	14,601'	1200 sx		2-7/8" OD	12,661'	12,655'

31. Perforation Record (Interval, size and number) 13,557' to 13,565' 1/2" jet Total 18 holes	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED None
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3. PRODUCTION							
Date First Production May 31, 1977		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing				Well Status (Prod. or Shut-in) Shut in	
Date of Test 6-2-77	Hours Tested 3	Choke Size 1"	Prod'n. For Test Period	Oil - Bbl Cond. 3.9	Gas - MCF 297	Water - Bbl. -0-	Gas - Oil Ratio 76.154 MCF/Bbl.
Flow Tubing Press. 320	Casing Pressure Packer	Calculated 24-Hour Rate 31	Oil - Bbl Cond. 2,375	Gas - MCF -0-	Water - Bbl. 50.8	Oil Gravity - API (Corr.)	

4. Disposition of Gas (Solid, used for fuel, vented, etc.) Flared during test		Test Witnessed By L. L. Harmon	
5. List of Attachments Compensated Neutron-Formation Density Log; Dual Laterolog & Dual Induction-Laterolog; Borehole Compensated Sonic Log; Drill Stem Tests			
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 E.C. Stangle	TITLE Acting District Production Supt.		DATE July 12, 1977

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 30 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radioactivity 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 116.

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 <u>1,918'</u>	T. Strawn <u>11,909'</u>	T. Kirtland-Fruitland _____	T. Penn. "C" _____
T. Salt _____	T. Atoka <u>12,355'</u>	T. Actuated Cliffs _____	T. Penn. "D" _____
T. Yates <u>4,023'</u>	T. Miss <u>13,980'</u>	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian <u>15,285'</u>	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzite _____
T. Glorieta _____	T. McKee _____	T. Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blainebray _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand <u>6,310'</u>	T. Entrada _____	T. _____
T. <u>Bone Spr. 8,516'</u>	T. Bone Springs <u>8,516'</u>	T. Wingate _____	T. _____
T. Wolfcamp <u>11,221'</u>	T. <u>Morrow Sand 13,360'</u>	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from <u>13,558'</u> to <u>13,565'</u>	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 <u>N/A</u> 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	1,918	1918	Red Beds				
1,918	3,873	1955	Rustler-Salado, Anhydr-Salt				
3,873	4,023	150	Tansil, Anhydrite				
4,023	4,270	247	Yates, Sand				
4,270	6,310	2040	7-Rivers-Capitan Reef				
6,310	8,516	2206	Delaware, Sand				
8,516	11,221	2705	Bone Spring, Lime and Sand				
11,221	11,815	594	Wolfcamp, Limestone and Shale				
11,815	12,357	542	Cisco-Canyon-Strawn, Lime				
12,357	12,737	380	Atoka, Shale and Sand				
12,737	13,360	623	Morrow, Carbonates				
13,360	13,980	620	Morrow, Sand and Shale				
13,980	14,155	175	Chester, Shale				
14,155	14,380	225	Barnett, Shale				
14,380	15,020	640	Mississippian, Limestone				
15,020	15,285	265	Woodford, Shale				
15,285	15,390	105	Silurian, Carbonates				