

Revised

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

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SANTA FE

FILE

U.S.G.S.

LAND OFFICE

OPERATOR

5a. Indicate Type of Lease

State ☒Fee ☐

5. State Oil & Gas Lease No.

7. Unit Agreement Name

East Hightower

8. Name of Lease Name

Warfield-State

9. Well No.

1-Y

10. Field and Pool, or Wildcat

East Hightower Upper Penn

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

Harper Oil Company

3. Address of Operator

904 Hightower Building Oklahoma City, Oklahoma 73102

4. Location of Well

UNIT LETTER B LOCATED 660 FEET FROM THE North LINE AND 1880 FEET FROMTHE East LINE OF SEC. 31 TWP. 12S RGE. 34E NMPM

11. County

Lea

15. Date Spudded

3-27-81

16. Date T.D. Reached

5-13-81

17. Date Compl. (Ready to Prod.)

7-18-81

18. Elevations (DF, RAB, RT, GR, etc.)

4218.8 KB, 4203.8 GR

19. Elev. Casinghead

4218.8

20. Total Depth

10,434

21. Plug Back T.D.

10,174

22. If Multiple Compl., How Many

23. Intervals Drilled By

Rotary Tools

TD

Cable Tools

None

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

Bough "B" & "A" 9920'-37'
9987'-91'

25. Was Directional Survey Made

26. Type Electric and Other Logs Run

Compensated Neutron-Formation Density & Dual Laterlog

27. Was Well Cored

No

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#	362	17 1/2"	400 sx Class "C"	-----
8 5/8"	24# & 28#	4,187	12 1/4"	1900 sx Lite, 150 sx Class "C"	-----
5 1/2"	17#	10,434	7 7/8"	330 sx Poz, 330 sx Class "H"	-----

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
None					2 7/8"	10,026'	-----

31. Perforation Record (Interval, size and number)

10,232'-10,236', 5 holes Set RBP @ 10,174'.
9,920'- 9,937', 18 holes Spot 2 sx sand on
9,987'- 9,991', 5 holes plug.

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
10,232'-10,236'	2500 bbls. acid
9,920'- 9,937'	
9,987'- 9,991'	2500 gal. HCL

33. PRODUCTION

Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)	
7-16-81		Pumping				Producing	
Date of Test	Hours Tested	Choke Size	Prod'n. Per Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
7-18-81	24	---	→	24	40	43	1667/1
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	
---	20#	→	Same				

34. Disposition of Gas (Sold, used for fuel, vented, etc.)

Waiting on pipeline.

Test Witnessed By

Dan Needham

35. List of Attachments

Compensated Neutron & Dual Laterlog, Deviation Tests & DST #1, #2, #3 & #4.

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

TITLE Production Manager

DATE

8-10-81

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 radioactivity logs run on the well and a summary of all special tests conducted, including daily stem tests. All depths reported shall be measured by tape. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 1 through 34 shall be reported for each zone. The form is to be filed in quadruplicate except on state land, where six copies are required. See Rule 11.5.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy _____ 1907	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Atoka _____	T. Fictured Cliffs _____	T. Penn. "D" _____
T. Yates _____ 2746	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____ 4098	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzte _____
T. Glorieta _____ 5520	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinberry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____ 7680	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____ 9102	T. U. Rangerlake 10,190	T. Chinle _____	T. _____
T. Penn. _____	T. L. Rangerlake 10,250	T. Permian _____	T. _____
T. Cisco (Bough C) _____ 9946	T. _____	T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from _____ 9886 _____ to _____ 10,190 _____	No. 4, from _____ to _____
No. 2, from _____ 10,190 _____ to _____ 10,434 _____	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	471	471	Surface				
471	1750	1279	Redbed				
1750	2470	720	Redbed & Salt				
2470	3090	620	Anhy & Salt				
3090	4355	1265	Lime & Anhydrite				
4355	7864	3509	Lime				
7864	9252	1388	Lime & Shale				
9252	9516	264	Lime & Dolomite				
9516	9960	444	Lime & Shale				
9960	10128	168	Lime				
10128	10238	110	Lime & Shale				
10238	10434	196	Lime				
	TD						

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AUG 14 1981

OIL CONSERVATION DIV