

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

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DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease
State Fee

5. State Oil & Gas Lease No.

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
E. Hightower

8. Farm or Lease Name
Frier

9. Well No.
2

10. Field and Pool, or Wildcat
East Hightower

2. Name of Operator
Harper Oil Company

3. Address of Operator
904 Hightower Bldg., Oklahoma City, OK 73102

4. Location of Well
UNIT LETTER D LOCATED 660 FEET FROM THE North LINE AND 660 FEET FROM _____

12. County
Lea

THE West LINE OF SEC. 29 TWP. 12S RGE. 34E NMPM

15. Date Spudded 5-24-84 16. Date T.D. Reached 7-4-84 17. Date Compl. (Ready to Prod.) 6-21-85 18. Elevations (DF, RKB, RT, GR, etc.) G.L. 4195.1' 19. Elev. Casinghead KB 4209'

20. Total Depth 10,420' 21. Plug Back T.D. 10,201' 22. If Multiple Compl., How Many - 23. Intervals Drilled By Rotary Tools 0-10,420' Cable Tools -

24. Producing Interval(s), of this completion - Top, Bottom, Name
9926', 9928', 9932'-9947' Bough "B"

25. Was Directional Survey Made
Yes

26. Type Electric and Other Logs Run
Simultaneous Dual Laterlog & Compensated Neutron-Lith Density

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"	68#	417'	17 1/2"	380 sks	None
8 5/8"	24# & 32#	4201.71'	12 1/4"	1700 sks	None
5 1/2"	17#	10,420'	7 7/8"	1850 sks	None

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
None					2 3/8"	9799.49'	None

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 3/8"	9799.49'	None

31. Perforation Record (Interval, size and number)
9926', 9928', 9932'-9947' (1 JSPF, 18 holes) (CIBP set @ 10,201')
10,259'-10,268' (9', 19 holes)

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
<u>9926', 9928', 9932'-9947'</u>	<u>Acidized w/200 gals. 15% acid.</u>
<u>10,259'-10,268'</u>	<u>Acidized w/500 gals. 7 1/2% MSR w/additives</u>

33. PRODUCTION

Date First Production 6-21-85 Production Method (*Flowing, gas lift, pumping - Size and type pump*) Pumping - 2 X 1 1/2 X 12 X 14 X 16' RHBC Pump Well Status (*Prod. or Shut-in*) Prod.

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
<u>6-30-85</u>	<u>24</u>	<u>-</u>	<u>70</u>	<u>70</u>	<u>50</u>	<u>1000/1</u>	

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)
<u>-</u>	<u>-</u>	<u>70</u>	<u>70</u>	<u>50</u>	<u>-</u>	

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

Test Witnessed By _____

35. List of Attachments
None

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 [Signature] TITLE Operations Manager DATE 7-16-85

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 fall 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 _____ 1882'	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____ 2297'	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____ 2760'	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____ 3090'	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____ 3398'	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____ 3642'	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____ 4100'	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzite _____
T. Glorieta _____ 5522'	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____ 6940'	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinebry _____ 7072'	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____ 7542'	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____ 7682'	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____ 9145'	T. Bough "B" 9922'	T. Chinle _____	T. _____
T. Penn. _____	T. U. Ranger Lake 10,202'	T. Permian _____	T. _____
T. Cisco (Bough C) _____ 9852'	T. L. Ranger Lake 10,256'	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	1438	1438	Surface	9530	9750	220	Lm & dolo
1438	3680	2242	Redbed & anhy	9750	9865	115	Dolo, Lm & chert
3680	3841	161	Dolo & anhy	9865	10,065	230	Lm & sh
3841	4035	194	Dolo, sd & anhy	10,065	10,193	98	Lm, sh & chert
4035	4250	215	Lm & Dolo	10,193	10,280	87	Lm & sh
4250	4635	385	Lm	10,280	10,370	90	Lm
4635	7093	2458	Dolo & Lm	10,370	10,420	50	Lm & chert
7093	7215	122	Lm, Dolo & sh		TD		
7215	7336	121	Lm & sd				
7336	7516	180	Lm, Dolo & anhy				
7516	7802	286	Lm & Dolo				
7802	8034	232	Lm & sh				
8034	8275	241	Sh				
8275	8540	265	Sh & dolo				
8540	9250	710	Lm & dolo				
9250	9530	280	Lm				