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Form C-105
Revised 10-78

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.
LG - 5419

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
East Hightower
8. Farm or Lease Name
Frier

2. Name of Operator
Harper Oil Company

9. Well No.
1

3. Address of Operator
904 Hightower Building Oklahoma City, Oklahoma 73102

10. Field and Pool, or Wildcat
Undesignated

4. Location of Well
UNIT LETTER <u>L</u> LOCATED <u>660</u> FEET FROM THE <u>West</u> LINE AND <u>1980</u> FEET FROM

11. County
Lea

THE <u>South</u> LINE OF SEC. <u>29</u> TWP. <u>12S</u> RGE. <u>34E</u> N.M.P.M.
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15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Casinghead
1-4-80	2-6-80		GL 4194, KB 4209	4194

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
10,409'	10,362'	No	→	0-10,409'	0'

24. Producing interval(s), of this completion - Top, Bottom, Name	25. Was Directional Survey Made
Bough "B" 9933'-58'	Yes

26. Type Electric and Other Logs Run	27. Was Well Cored
Dual Laterolog Micro-SFL Compensated Neutron Formation Density	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#	343'	17 1/2"	400 sks Class C & circ.	
8 5/8"	24# & 28#	4200'	12 1/2"	3400 sks Halco Lite &	
				200 sks Class C	
5 1/2"	17#	10,407'	7 7/8"	575 sks	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/8"	9767'	9773'

31. Perforation Record (Interval, size and number)	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.								
Bough "B" 9933'-58' with 24 0.40" holes.	<table border="1"> <tr> <th>DEPTH INTERVAL</th> <th>AMOUNT AND KIND MATERIAL USED</th> </tr> <tr> <td>9933'-58'</td> <td>2500 gals 15% MCA</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table>	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED	9933'-58'	2500 gals 15% MCA				
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9933'-58'	2500 gals 15% MCA								

33. PRODUCTION							
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)	
2-20-80		Swabbing tubing to test tank.				Producing	
Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
3-4-80	24	18/64"	→	33	40	8	1,212
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	
0-70	pkr.	→	33	40	8	46.8°	

34. Disposition of Gas (Sold, used for fuel, vented, etc.)	Test Witnessed By
Vented at present	Larry Overcast

35. List of Attachments
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>Harper Oil Co.</u> TITLE <u>Engr.</u> DATE <u>3-10-80</u>

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 3a through 3d 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	1880'	T. Bough "B"	9932'	T. Ojo Alamo		T. Penn. "B"	
T. Salt	2300'	T. Bough "C"	9966'	T. Kirtland-Fruitland		T. Penn. "C"	
B. Salt	2610'	T. Upper Ranger Lake	10,240'	T. Pictured Cliffs		T. Penn. "D"	
T. Yates	2758'	T. Lower Ranger Lake	10,272'	T. Cliff House		T. Leadville	
T. 7 Rivers	3100'	T. Miss		T. Menefee		T. Madison	
T. Queen	3455'	T. Devonian		T. Point Lookout		T. Elbert	
T. Grayburg	3600'	T. Silurian		T. Mancos		T. McCracken	
T. San Andres	4112'	T. Montoya		T. Gallup		T. Ignacio Qtzite	
T. Glorieta	5528'	T. Simpson		T. Base Greenhorn		T. Granite	
T. Paddock	6960'	T. McKee		T. Dakota			
T. Blinbry	7080'	T. Ellenburger		T. Morrison			
T. Tubb	7400'	T. Gr. Wash		T. Todilto			
T. Drinkard	7550'	T. Granite		T. Entrada			
T. Abo	7706'	T. Delaware Sand		T. Wingate			
T. Wolfcamp	9104'	T. Bone Springs		T. Chinle			
T. 3 Brothers	9660'			T. Pennian			
T. Bough "A" Penn	9890'			T. Penn. "A"			
T. Cisco (Bough "C")							

OIL OR GAS SANDS OR ZONES

No. 1, from	9896'	to	9900'	No. 4, from	10,240'	to	10,252'
No. 2, from	9932'	to	9942'	No. 5, from	10,272'	to	10,300'
No. 3, from	9966'	to	9972'	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	1,880	1,880		9,890	9,932	42	Penn Bough "A"
1,880	2,300	420	Anhydrite	9,932	9,966	34	Bough "B"
2,300	2,610	310	Salt	9,966	10,240	274	Bough "C"
2,610	2,758	148		10,240	10,272	32	Upper Ranger Lake
2,758	3,100	342	Yates	10,272	10,409	137	Lower Ranger Lake
3,100	3,455	355	7 Rivers		TD		
3,455	3,600	145	Queen				
3,600	4,112	512	Grayburg				
4,112	5,528	1,416	San Andres				
5,528	6,960	1,432	Glorietta				
6,960	7,080	120	Paddock				
7,080	7,400	320	Blinbry				
7,400	7,550	150	Tubb				
7,550	7,706	156	Drinkard				
7,706	9,104	1,398	Abo				
9,104	9,660	556	Wolfcamp				
9,660	9,890	230	3 Brothers				