Form C-105
Revised 10-1-78

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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OIL CONSERVATION DIVISION

P O BOX 2088
SANTA FE, NEW MEXICO 87501

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease: State [X] Fee [ ]
5. State Oil & Gas Lease No.: E-7815

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O. C. D.
ARTESIA, OFFICE

1a. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] DRY [ ] OTHER
b. TYPE OF COMPLETION: NEW WELL [X] WORK OVER [ ] DEEPEN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] OTHER

7. Unit Agreement Name:
8. Farm or Lease Name: Angell State
9. Well No.: 4
10. Field and Pool, or Wildcat: Millman Seven Rivers East

2. Name of Operator: Harlan Oil Company
3. Address of Operator: P O Box 668, Artesia, N. M. 88210
4. Location of Well: UNIT LETTER P LOCATED 988 FEET FROM THE South LINE AND 330 FEET FROM THE East LINE OF SEC. 21 TWP. 19 S RGE. 28 E
12. County: Eddy

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Cashinghead
4/27/81	6/23/81	7/29/81	3433 GL	

20. Total Depth	21. Plug back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
1262'	1258'		→		X

24. Producing Interval(s), of this completion — Top, Bottom, Name: 1056-60; 1067-71; 1076-82; 1088-98 Seven Rivers
25. Was Directional Survey Made: no
26. Type Electric and Other Logs Run: Gamma Ray Neutron
27. Was Well Cored:

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	24#	357'	12"	100 Sx	
4 1/2	10.50#	1258'	7 7/8"	250 Sx	

LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 3/8	1108	

31. Perforation Record (Interval, size and number)

1056-60	4'	1 shot ft.
1067-71	4'	1 shot ft.
1076-82	6'	1 shot ft.
1088-98	10'	1 shot ft

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
1056-1098	acidize w/ 1000 gal, balled off, fraced w/ 900 bbls gelled water, 42,500 # 10-20 + 47,000 # 20-40 sd.

PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping — Size and type pump)	Well Status (Prod. or Shut-in)
7/29/71	pumping	producing

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Gas — Oil Ratio
7/29/81	24			15	TSTM	2	

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate →	Oil — Bbl.	Gas — M.C.F.	Water — Bbl.	Oil Gravity — API (Corr.)

33. Disposition of Gas (Sold, used for fuel, vented, etc.)
Test Witnessed By: Charlie Butler

34. List of Attachments: Gamma Ray Neutron Log

35. 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 Dorothy Hammack TITLE Secretary DATE 8/3/81

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division 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 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. This 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 200	T. Canyon	T. Ojo Alamo	T. Penn. "B"		
T. Salt 357	T. Strawn	T. Kirtland-Fruitland	T. Penn. "C"		
B. Salt 425	T. Atoka	T. Pictured Cliffs	T. Penn. "D"		
T. Yates 950	T. Miss	T. Cliff House	T. Leadville		
T. 7 Rivers 1057	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	T. Simpson	T. Gallup	T. Ignacio Qtzte		
T. Glorieta	T. McKee	Base Greenhorn	T. Granite		
T. Paddock	T. Ellenburger	T. Dakota	T.		
T. Blinebry	T. Gr. Wash	T. Morrison	T.		
T. Tubb	T. Granite	T. Todilto	T.		
T. Drinkard	T. Delaware Sand	T. Entrada	T.		
T. Abo	T. Bone Springs	T. Wingate	T.		
T. Wolfcamp	T.	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 1056 to 1098 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	157	157	Sand				
157	200	43	Shale				
200	357	157	Anhydrite				
357	475	118	Salt, Anhydrite				
475	795	320	Anhydrite				
795	895	100	Anhydrite & Shale				
895	995	100	Anhydrite				
995	1057	62	Anhydrite & Shale				
1057	1080	23	Oil Sand, Anhydrite				
1080	1262	182	Anhydrite				