

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2080

SANTA FE, NEW MEXICO 87501

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	1
FILE	1
U.S.O.S.	2
LAND OFFICE	1
OPERATOR	1

5a. Indicate Type of Lease
State ☒ Free ☐
5. State Oil & Gas Lease No.
E-7815

RECEIVED

10. TYPE OF WELL		OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐		JAN 08 1981	
b. TYPE OF COMPLETION		NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESER. ☐ OTHER ☐		O. C. D.	
2. Name of Operator		Harlan Oil Company		ARTESIA, OFFICE	
3. Address of Operator		P.O. Box 668, Artesia, N.M. 88210		2	
4. Location of Well		UNIT LETTER C LOCATED 330 FEET FROM THE North LINE AND 1650 FEET FROM West LINE OF SEC. 27 TWP. 19S RGE. 28E		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. Casinghead	
7/1/80	7/7/80	11/19/80	3374' GR	3374' GR	
20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
3000'	2974'			X	
24. Producing Interval(s), of this completion — Top, Bottom, Name				25. Was Directional Survey Made	
2720-2730' San Andres				Yes	
26. Type Electric and Other Logs Run				27. Was Well Cored	
Gamma ray-neutron				No	

28. 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#	338'	12 1/2"	225 sax	
4 1/2"	10.50#	3000'	7 7/8"	700 sax	
29. LINER RECORD					
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	
30. TUBING RECORD					
SIZE	DEPTH SET	PACKER SET			
2 3/8"	2710'				
31. Perforation Record (Interval, size and number)			32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.		
2720 - 2730', 10 shots					
			DEPTH INTERVAL		
			2720-2730		
			AMOUNT AND KIND MATERIAL USED		
			500 bbl gel water		
			20,000# 20/40 sand		
			5,000# 10/20 sand		

33. PRODUCTION							
Date First Production		Production Method (Flowing, gas lift, pumping — Size and type pump)				Well Status (Prod. or Shut-in)	
12/13/80		Pump - 1 1/2"				Prod.	
Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil — Bbl.	Gas — MCF	Water — Bbl.	Gas — Oil Ratio
12/14/80	24			4	TSTM	20	
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil — Bbl.	Gas — MCF	Water — Bbl.	Oil Gravity — API (Corr.)	
			4	TSTM	20		
34. Disposition of Gas (Sold, used for fuel, vented, etc.)						Test Witnessed by	
						Mack C. Chase	

35. List of Attachments	
GRN log, deviation survey	
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	DATE
<i>Production Clerk</i>	12/19/80

INSTRUCTIONS

This form is to be filled 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. The form is to be filed in quadruplicate except on state land, where six copies are required. (Rule 1105).

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Abby _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
D. Salt _____	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____ 746'	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____ 1304'	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____ 1708'	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____ 2104'	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____ 2622'	T. Simpson _____	T. Gallup _____	T. Ignacio Quartz _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Ulinebry _____	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. Charlie _____	T. _____
T. Penn. _____	T. _____	T. Pennman _____	T. _____
T. Cuzco (Bough C) _____	T. _____	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

Harlan Oil Co.
 Gulf St. #2
 C-Sec. 27-19S-28E

0	200	200	Red bed & sand
200	800	600	Anhydrite
800	830	30	Anhy, dolo, sand
830	900	70	Anhy, dolo, shale, sand
900	1030	130	Anhy, shaley sand
1030	1190	160	Anhy, shale, sand
1190	1200	10	Anhy, shaley sand
1200	1230	30	Anhy, shale, sand
1230	1240	10	Anhy, shale
1240	1280	40	Anhy, dolo, shale
1280	1320	40	Dolo, shale
1320	1350	30	Dolo, shale, sand
1350	1410	60	Dolo, sand
1410	1430	20	Dolo, shale, sand
1430	1440	10	Dolo.
1440	1480	40	Dolo, shale
1480	1530	50	Dolo, anhy.
1530	1550	20	Dolo, sand
1550	1600	50	Dolo, anhy.
1600	1640	40	Dolo, anhy, shale, sand
1640	1800	160	Dolo, sand
1800	1820	20	Dolo, anhy, sand
1820	1830	10	Dolo, shale
1830	1910	80	Dolo, sand
1910	1930	20	Dolo, anhy, sand
1930	2230	300	Dolo, shale, sand
2230	2250	20	Dolo, anhy, sand
2250	2310	60	Dolo, shale, sand
2310	2630	320	Dolo, anhy, shale, sand
2630	2760	130	Dolo, anhy
2760	2780	20	Dolo, anhy, sand
2780	2800	20	Dolo, dolo, shale
2800	2830	30	Dolo, anhy.
2830	2840	10	Dolo, anhy, shale
2840	2880	40	Dolo, anhy, sand
2880	2900	20	Dolo, anhy, shale, sand
2900	2970	70	Dolo, anhy.
2970	3000	30	Dolo, anhy, sand
3000			TD
2974'			PBTD



WM. N. MORGAN
Off. Ph.: 505-748-2194
Home Ph.: 505-748-2325
P. O. Drawer 1
Artesia, N.M. 88210

July 9, 1980

Harlan Oil Co.
P.O. Box 668
Artesia, New Mexico 88210

Re: Gulf State #2
Sec27 Twn19S Rge28E
330/N 1650/W Unit C
Pool: E.Millman San Andres
Eddy County, New Mexico

Gentlemen:

The following is a Deviation Survey of the above well:

358' - 1/2 degree
841' - 1/2 degree
1313' - 1/2 degree
1790' - 3/4 degree
2260' - 1 degree
2562' - 1 1/2 degree
3013' - 1 1/2 degree

Yours truly,

William N. Morgan

William N. Morgan
Alta-West Drlg., Inc.

STATE OF NEW MEXICO)

COUNTY OF EDDY)

The foregoing was acknowledged before me this 15th day
of July, 1980, by William N. Morgan.

My Commission Expires:

6-13-81

Langdon J. Fletcher
Notary Public