

OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

30. Indicate Type of Lease  
State  Fee

31. State Oil & Gas Lease No.

7. Unit Agreement Name

8. Form or Lease Name  
O'Brien Fee "18"

9. Well No.  
4

10. Field and Pool, or Wildcat  
Twin Lakes-San Andres

12. County  
Chaves

A. TYPE OF WELL  
OIL WELL  GAS WELL  DRY  OTHER \_\_\_\_\_

B. TYPE OF COMPLETION  
NEW WELL  OVER  DEEPEN  PLUG BACK  DIFF. RESVR  OTHER \_\_\_\_\_

1. Name of Operator  
The Harlow Corporation ✓

3. Address of Operator  
600 Petroleum Building, Amarillo, TX 79101

4. Location of Well

UNIT LETTER L LOCATED 1650 FEET FROM THE South LINE AND 956 FEET FROM the West LINE OF SEC. 18 TWP. 8S RGE. 29E NEPM

15. Date Spudded 3/6/81 16. Date T.D. Reached 4/2/81 17. Date Compl. (Ready to Prod.) 4/28/81 18. Elevations (DF, RKB, RT, GR, etc.) 4033GL 19. Elev. Casinghead 4032'

20. Total Depth 2862' 21. Plug Back T.D. 2820' 22. If Multiple Compl., How Many \_\_\_\_\_ 23. Intervals Drilled By: Rotary Tools 125-2362' Cable Tools 0-125'

24. Preparing Interval(s) of this completion - Top, Bottom, Name  
2665-2707' San Andres

25. Was Directional Survey Made  
No

26. Type Literature and Other Logs Run  
SN-GR, Cement Bond, Correlative, DLL-MLE, VDL

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
8 5/8"	20#	125'	11"	4 yds	none
5 1/2"	14#	2862'	7 7/8"	150 sx	none

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 3/8"	2770'	

31. Perforation Records (Interval, size and number)

Interval	Size	Number
2665-67'	JJ .44"	4 holes per ft
2674-76'	"	"
2698-2700'	"	"
2705-07'	"	"

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
2665-2707'	750 g MCA
"	2000 g NeFe w/30 balls
"	10000 cu ft Nitrogen
"	6000 g NeFe w/ 30 ball sealers

33. PRODUCTION

Date First Production 4/28/81 Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping 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
5/18/81	24	none	→	103	13	3	126

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)
36#	36#	→	103	13	3	24

34. Disposition of Gas (Bull, used for fuel, vented, etc.) Vented Test Witnessed By Rick Lickens

35. List of Attachments  
Logs listed above

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 W.B. LaFon TITLE Production Engineer DATE 5/19/81

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 test data conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depth shall also be reported. For multiple completions, Items 3) through 14 shall be reported for each zone. The form is to be filed in appropriate office of the state land, where air permits are required. See Rule 1405.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy .....	T. Canyon .....	T. Ojo Alamo .....	T. Perm "B" .....
T. Salt .....	T. Strawn .....	T. Kirtland-Fruitland .....	T. Perm "C" .....
B. Salt .....	T. Atoka .....	T. Pictured Cliffs .....	T. Perm "D" .....
T. Yates <u>931'</u>	T. Miss .....	T. Cliff House .....	T. Leadville .....
T. 7 Rivers .....	T. Devonian .....	T. Menefee .....	T. Madison .....
T. Queen <u>1571'</u>	T. Silurian .....	T. Point Lookout .....	T. Liberty .....
T. Grayburg .....	T. Montoya .....	T. Muncos .....	T. McCracken .....
T. San Andres <u>2047'</u>	T. Simpson .....	T. Gallup .....	T. Igneous Quartzite .....
T. Glorieta .....	T. McKee .....	Pose Greenhorn .....	T. Granite .....
T. Paddock .....	T. Ellenburger .....	T. Dakota .....	T. ... ..
T. Bluebird .....	T. Gr. Wash .....	T. Morrison .....	T. ... ..
T. Tubb .....	T. Granite .....	T. Todillo .....	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. Perm "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 <u>2665</u> .....	to <u>2721</u> .....	feet .....
No. 2, from <u>2756</u> .....	to <u>2800</u> .....	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	931	931	Permian Red Beds w/minor silt, sand, Gyp & salt.				
931	1571	640	Salt, Anhydrite, Red & Green Shale, w/minor Silt & Sand.				
1571	2047	476	Red Beds				
2047	2660	613	Anhydrite w/minor Dolomite & shale.				
2660	TD		Dolomite w/ Anhydrite & Minor Limestone.				