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O. C. D.  
WELL AREA OFFICE

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Form approved, Budget Bureau No. 42-R355.5.

5. LEASE DESIGNATION AND SERIAL NO.

LC-068677

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

NM OIL CONS. COMMISSION

8. FARM OR LEASE NAME

Hinkle Fed

9. WELL NO.

5

10. FIELD AND POOL, OR WILDCAT

High Nitro Premier

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 10-T16S-R29E

12. COUNTY OR PARISH

Eddy

13. STATE

New Mexico

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other

b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RESVR.  Other

2. NAME OF OPERATOR  
McClellan Oil Corporation

3. ADDRESS OF OPERATOR  
P. O. Drawer 730, Roswell, NM 88202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 2310 FSL & 330 FWL  
At top prod. interval reported below  
At total depth

14. PERMIT NO. DATE ISSUED

15. DATE SPUDDED 2-19-85 16. DATE T.D. REACHED 4-3-85 17. DATE COMPL. (Ready to prod.) 4-12-85 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 3702' G.L. 19. ELEV. CASINGHEAD 3702'

20. TOTAL DEPTH, MD & TVD 2380' 21. PLUG BACK T.D., MD & TVD 2380' 22. IF MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY 24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)\* Premier 2360-2380'

25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN Dresser CNL 27. WAS WELL CORED No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	20	360'	10"	250 sx	Circulated
7"	23	1675'	8"	Mudded In	1675'
4-1/2"	9.5	2350'	6"	50 sx	None

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	2350'	N/A

31. PERFORATION RECORD (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

INTERVAL	SIZE	AMOUNT AND KIND OF MATERIAL USED
Open hole 2350-2380'		Natural

33.\* PRODUCTION  
DATE FIRST PRODUCTION 4-12-85 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping WELL STATUS (Producing or shut-in) Producing

DATE OF TEST 4-13-85 HOURS TESTED 24 CHOKE SIZE None PROD'N. FOR TEST PERIOD 39 OIL--BBL. 9 GAS--MCF. 10 WATER--BBL. 0 GAS-OIL RATIO 1111/1

FLOW. TUBING PRESS. 20 CASING PRESSURE 20 CALCULATED 24-HOUR RATE 39 OIL--BBL. 30 WATER--BBL. 0 OIL GRAVITY-API (COBR.) 38.3

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold to El Paso Natural TEST WITNESSED BY Cleo Brown

35. LIST OF ATTACHMENTS Gamma Ray Neutron Log

36. I hereby certify that the foregoing and attached information is complete and true to the best of my knowledge and belief, and that I have reviewed all available records

SIGNED Paul Kaydale TITLE Operations Manager DATE 4-22-85

\*(See Instructions and Spaces for Additional Data on Reverse Side)

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29: "Sacks Cement":** Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES		38. GEOLOGIC MARKERS					
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
Queen	1646'	1664'	water	7-Rivers	1451'	"	"
Premier	2360'	2374'	oil & gas	Queen	1646'	"	"
				Grayburg	2143'	"	"
				Premier	2360'	"	"

McCLELLAN OIL CORPORATION  
Hinkle Federal No. 5  
2310' FSL & 330' FWL  
Sec. 10-T16S-R29E  
Eddy County, NM  
Elevation: 3702'  
Proposed TD: 2500'



- 02/19/85: Moved in Cortez Cable Tool Rig #1 and spudded w/ 10" tools.
- 02/20/85: Drilling at 155' in red clay.
- 02/21/85: Drilling at 310' in red clay.
- 02/22/85: Drilled to 360'. Slight water at 340'. Ran 357' of 8-5/8" 20 lb/ft casing. Cemented with 100 sx Class C with 2% CaCl<sub>2</sub>. Circulated cement but fell back. Ready mixed with 2 yards. WOC - 18 hours.
- 02/23/85: Drilled out plug. No cement around shoe. Re-cemented w/ 150 sks Class C w/ 2% CaCl<sub>2</sub>. WOC-12 hrs.
- 02/24/85: Drilled out w/ 8" bit. Carrying some water, approx 1-1/2 bailers per hr. Present Operation-Drilling @ 370'.
- 02/25/85: Drilling at 580' in salt.
- 02/26/85: Drilling at 740' in salt, potash, and gypsum.
- 02/27/85: Drilling at 860' in anhydrite.
- 02/28/85: Drilling at 950' in red shale.
- 03/01/85: Drilling at 1000' in red shale and anhydrite.
- 03/04/85: Drilling at 1205' in anhydrite and gray lime.
- 03/05/85: Drilling at 1255' in lime, anhydrite, and red shale.
- 03/06/85: Drilling at 1325' in lime and anhydrite.
- 03/07/85: Drilling at 1390' in lime and anhydrite.
- 03/08/85: Drilling at 1475' in anhydrite and red clay.
- 03/11/85: Drilling at 1655' in lime, anhydrite, and brown shale.
- 03/12/85: TD at 1675' in Queen. Running 7" csg to shut off water.
- 03/13/85: Ran 7" to 1675'. Had to pull csg out one time due to bad jt. Mudded in w/ 10 sks of gel in 85 BBLs water.
- 03/14/85: Drilling at 1705' in anhydrite and sand. Water was shut off okay.
- 03/15/85: Drilling at 1750' in anhydrite and dolomite.
- 03/18/85: Drilling at 1870' in anhydrite and sand. Have water shut off.
- 03/19/85: Drilling at 1910' in red sand.
- 03/20/85: Drilling at 1985' in sand, anhydrite, and red shale.
- 03/21/85: Drilling at 2040' in anhydrite, gypsum, and red shale.
- 03/22/85: Drilling at 2105' in anhydrite, gypsum, and red shale.
- 03/25/85: Drilling at 2220' in gray lime.
- 03/26/85: Drilling at 2285' in anhydrite and red shale.
- 03/27/85: Drilling at 2330' in red sand.

McCLELLAN OIL CORPORATION  
Hinkle Federal #5  
2310' FSL & 330' FWL of Sec. 10-T16S-R29E  
Eddy County, NM, Elevation: 3702' G.L.  
Proposed TD: 2500'

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- 03/28/85: Drilling at 2350'. Shut down at dark on 3/27/85. Should drill into pay this morning.
- 03/29/85: Drilled to 2372'. Drilled approx 3' of Premier. Shut down overnight to test.
- 03/30/85: Drilled to 2379'. Show of oil at 2377' w/ some gas. Tested for 4 hrs. Recovered 165 gal oil and mud. Shut down for overnight test.
- 03/31/85: Hole had approx 450' of oil w/ first bailer run. Bailed hole dry at 2:00 p.m. Bailed from 7:00 a.m. to 2:00 p.m. Bailing approx 15 gal hr of oil w/ no water. Last run after hole was bailed down, made 36 gal of free oil w/ no water in one hr.
- 04/01/85: Will bail hole down and drill 3 more ft.
- 04/02/85: TD at 2382'. Well making approx 1 BBL oil/hr w/ small amount of gas and no water. Cannot bail hole dry. Prep to run 4-1/2" csg.
- 04/03/85: Ran Dresser Atlas-Compensated Neutron Log. Ran a total of 2350' of 4-1/2", 9.5 lbs csg J-55 w/ a formation pkr shoe. Cemented w/ 50 sx Class "C" cement, .3/10% CFR-3. Pumped plug at 2:30 p.m. While cementing, flowed 10-15 BBLs of oil to pit. Will attempt to pull 7" on 4/4/85.
- 04/04/85: Pulled 7" csg. Recovered entire string.
- 04/05/85: Nipple up wellhead. Bailed csg down. Drilling on rubber plug.
- 04/06/85: Drilling on rubber plug.
- 04/07/85: SD.
- 04/08/85: Drilling on rubber plug.
- 04/09/85: Finished drilling rubber plug. Had estimated 450' of gas cut oil in the hole. Rig down. Prep to run tbg and rods.
- 04/10/85: Pulled 2-3/8" tbg out of the Hinkle Federal No. 1. Prep to run tbg and rods tomorrow.
- 04/11/85: Ran 2-3/8" tbg and rods in hole. Install pumpjack. Will start pumping well tomorrow.
- 04/12/85: Commenced pumping.
- 04/13/85: Pumped 25 BBLs oil and 0 water.
- 04/14/85: Pumped 8 BBLs oil and 0 water.
- 04/15/85: Pumped 9 BBLs oil and 0 water. Estimated 20 MCFD gas. Phillips will test for hookup.
- 04/16/85: Made 10 oil, 0 water.
- 04/17/85: Made 10 oil, 0 water.
- 04/18/85: Made 9 oil, 0 water. Will continue pumping. No further reports.