

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

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

5. LEASE DESIGNATION AND SERIAL NO.

LC-062749-C

INDIAN, ALLOTTEE OR TRIBE NAME

990

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Conoco "D" Federal

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

North Mason (Delaware)

11. SEC. T. R. N. OR BLOCK AND SURVEY OR AREA

Section 18, T-26-S,
R-32-E, NMPM

12. COUNTY OR PARISH

Lea

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

Highland Production Company

3. ADDRESS OF OPERATOR

810 N. Dixie Blvd., Suite 202, Odessa, Texas 79761

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 990' FSL and 2310' FEL

At top prod. interval reported below 990' FSL and 2310' FEL

At total depth 990' FSL and 2310' FEL

14. PERMIT NO.

DATE ISSUED

7/12/90

15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.)

7/14/90

8/1/90

8/21/90

18. ELEVATIONS (DF, RNB, RT, GR, ETC.)*

3195' GR

19. ELEV. CASINGHEAD

3197'

20. TOTAL DEPTH, MD & TVD 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL. HOW MANY*

4348

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23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

4326

4348

24. PRODUCING INTERVAL(S). OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*

4326 - 4348 Open hole

25. TYPE ELECTRIC AND OTHER LOGS RUN

Gamma Ray Neutron Log

Yes

26. 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"	24.0#	1130	12 1/4"	400 Sks. HLC	Circulated to surface
5 1/2"	15.5#	4326	7 7/8"	200 Premium Plus	
				600 Sks. HLC	Circulated to 895'
				175 Sks. Premium Plus	

LINE IN RECORD	LINE OUT RECORD	LINE IN RECORD	LINE OUT RECORD
4326	4348	4326	4348

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

DEPTH INTERVAL (MD) AND KIND OF MATERIAL USED

4326 - 4348 6800 gals. Oil
2000 lbs. Sand

ILLEGIBLE

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold

TEST WITNESSED BY

Marvin L. Smith

35. LIST OF ATTACHMENTS

Deviation Survey and Gamma Ray Neutron Log

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Marvin L. Smith

TITLE President

DATE August 30, 1990

*(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 CONVEYANTS THEREOF: COLED 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	MEAS. DEPTH	TRUE VERT. DEPTH
Delaware Sand	4326	991 1332 2343	991 1332 2343
		Top Rustler FM Top Salado Salt Top Castile FM Top Uppermost Salt in Castile Formation Top "M" Salt in Castile FM Base of "M" Salt Top Lowermost Salt Base Lowermost Salt Top Lamar Shale "Delaware Lime" Top Delaware Sandstone	2949 3617 3763 3865 4070 4286 4326
DESCRIPTION, CONTENTS, ETC.			
95% Sandstone, light gray to gray slightly shaly, slightly calcareous, slightly laminated with black shale, silty, 80% good to fair oil fluorescence, SL cut when crushed. 5% shale, black silty, bailed slight rainbow show of oil with odor of sweet gas.			
BOTTOM			
4348			

RECEIVED
SEP 11 1990
OCD
MILLER 008 17