

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 12-R355.5.

5. LEASE DESIGNATION AND SERIAL NO.

LC-068281-B

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Conoco "C" Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

North Mason (Delaware)

11. SEC., T., R., M., OR BLOCK AND SURVEY
OR AREASection 30, T-26-S,
R-32-E, NMPM12. COUNTY OR
PARISH
Lea13. 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 330' FNL and 990' FEL

At top prod. interval reported below 330' FNL and 990' FEL

At total depth 330' FNL and 990' FEL

14. PERMIT NO.

DATE ISSUED

9/12/89

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

10-01-89

10-15-89

10-29-89

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

3150.2 GR

19. ELEV. CASINGHEAD

3152.2' RT

20. TOTAL DEPTH, MD & TVD

4277

21. PLUG, BACK T.D., MD & TVD

22. IF MULTIPLE COMPL.,
HOW MANY*23. INTERVALS
DRILLED BY

ROTARY TOOLS

CABLE TOOLS

4265

4277

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

OPEN HOLE 4265 - 4277

26. TYPE ELECTRIC AND OTHER LOGS RUN

Gamma Ray Neutron Log

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"	24 #	1185'	12 1/2"	700 Sacks	0
5 1/2"	15.5#	4265'	7 7/8"	650 Sacks Hal Lite and 300 Sacks 50/50 POZ Mix and P+	0

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	4219.44'	4223'

31. PERFORATION RECORD (Interval, size and number)

Open Hole 4265 - 4277'

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4265 - 4277	11,088 Gal. Lease Crude 3200# 20/40 Frac Sand and 1500# 12/20 Frac Sand and 74 Gal. Gelling Agent with 300# Breaker

33.*

PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					300# Breaker	
10-29-89		Flowing					WELL STATUS (Producing or shut-in)	
DATE OF TEST		HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
11-02-89		24	12/64	→	80	140	4	1750
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)		
475#	-	→	80	140	4	40.2 @68°		
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)								

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

Vented

35. LIST OF ATTACHMENTS

Inclination Survey, 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 Nov. 10, 1989

*(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	TRUE VERT. DEPTH
Delaware	4265	4277	95% Sandstone, light gray to gray slightly shaly, slightly calcareous, slightly laminated with black shale, silty. 80% good to fair oil fluorecence, SL cut when crushed. 5% shale, black silty. Bailed rainbow show of oil with odor of sweet gas.	Top Rustler FM	1010	
				Top Salado Salt	1318	
				Top Castile FM	2323	
				Top Uppermost Salt in Castile FM	2942	
				Top "M" Salt in Castile FM	3592	
				Base of "M" Salt	3736	
				Top Lowermost Salt	3837	
				Base Lowermost Salt	4082	
				Top Lamar Shale	4162	
				"Delaware Lime"	4265	
				Top Delaware Sandstone		

RECEIVED
NOV 20 1989
HOBBS OFFICE