

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.

LC-068281-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. LEASE AGREEMENT NAME

8. PART OR LEASE NAME

Conoco Federal

9. WELL NO.

3

10. FIELD AND POOL, OR WILDLAND

East Macon (Delaware)

11. SEC., T., R., N. BLOCK AND SURVEY
OR AREASection 19, T-26-S,
R-32-E, NMPM

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, Suite 202, Odessa, Texas 79761

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

At surface 660' FEL and 990' FSL Section 19

At top prod. interval reported below 660' FEL and 990' FSL Section 19

At total depth 660' FEL and 990' FSL Section 19

14. PERMIT NO.

DATE ISSUED

7-6-87

12. COUNTY OR
PARISH

Lea

13. STATE

New Mexico

15. DATE SPUDDED

7-28-87

16. DATE T.D. REACHED

8-4-87

17. DATE COMPL. (Ready to prod.)

8-6-87

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

3165.3

19. ELEV. CASINGHEAD

3170.3

20. TOTAL DEPTH, MD & TVD

4308'

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

4308'

22. IF MULTIPLE COMPL.

HOW MANY?

23. INTERVALS
DILATED BY

ROTARY TOOLS

4295

CABLE TOOLS

4295 to 4308

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

4295 to 4308 Delaware

26. TYPE ELECTRIC AND OTHER LOGS RUN

Gamma Ray Neutron Log

CARLEBAD, NEW MEXICO

27. WAS WELL CORED

No

29.

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#	1238	12-1/4	650 sacks	-0-
5-1/2	15.5#	4295	7-7/8	800 sacks	-0-

29.

LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8	4276	4276

31. PERFORATION RECORD (Interval, size and number)

4295 to 4308 Open Hole

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4295 to 4308	6300 oil and 4000 sand

33.*

PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
8-13-87		Flowing					Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO	
8-13-87	24	12/64	→	110	220	2	2000	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)		
350	100	→	110	220	2	42		

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

Sold to Phillips

TEST WITNESSED BY

Marvin L. Smith

35. LIST OF ATTACHMENTS

1 copy Deviation Survey, 1 copy 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

TITLE

President

DATE

8-17-87

*(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 23, 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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	38. GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Delaware	4295	4308	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. Baield slight rainbow show of oil with odor of sweet gas.	Top Rushler FM	974	
				Top Salado Salt	1310	
				Top Castile FM	2313	
				Top Uppermost		
				Salt in Castile FM	2929	
				Top "M" Salt in Castile FM	3584	
				Base of "M" Salt	3730	
				Top Lowermost Salt	3828	
				Base Lowermost Salt	4046	
				Top Lamar Shale "Delaware Lime"	4250	
				Top Delaware Sandstone	4308	

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