

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

See other instructions on reverse side

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other _____		5. LEASE DESIGNATION AND SERIAL NO. LC-063281-A	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME _____	
2. NAME OF OPERATOR Highland Production Company		7. UNIT AGREEMENT NAME _____	
3. ADDRESS OF OPERATOR 810 N. Dixie, Suite 202, Odessa, Texas, 79761		8. FARM OR LEASE NAME Conoco Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 330' FEL and 2310' FSL Section 19 At top prod. interval reported below 330' FEL and 2310' FSL Section 19 At total depth 330' FEL and 2310' FSL Section 19		9. WELL NO. 1	
14. PERMIT NO. _____		DATE ISSUED 11/17/86	
15. DATE SPUDDED 12/5/86		16. DATE T.D. REACHED 12/22/86	
17. DATE COMPL. (Ready to prod.) 12/24/86		18. ELEVATIONS (DP, RKB, RT, GR, ETC.)* 3174.15 GR	
19. ELEV. CASINGHEAD 3176.15		10. FIELD AND POOL, OR WILDCAT East Mason (Delaware)	
20. TOTAL DEPTH, MD & TVD 4327		11. SEC. T. R., M., OR BLOCK AND SURVEY OR AREA Section 19, T-26-S, R-32-E, NMPM	
21. PLUG BACK T.D., MD & TVD 4327		12. COUNTY OR PARISH Lea	
22. IF MULTIPLE COMPL., HOW MANY? ACCEPTED FOR RECORD		13. STATE New Mexico	
23. INTERVALS DRILLED BY 4312		ROTARY TOOLS 4312	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 4313 to 4327 Delaware		CABLE TOOLS 4313 to 4327	
25. WAS DIRECTIONAL SURVEY MADE No		26. TYPE ELECTRIC AND OTHER LOGS RUN Gamma Ray Neutron Log	
27. WAS WELL CORED No		28. CARISBAD, NEW MEXICO	
29. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
8 5/8	24#	1212	12 1/4
5 1/2	15.5#	4313	7 7/8
CEMENTING RECORD		AMOUNT PULLED	
600 Sacks		-0-	
350 Sacks		-0-	
30. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
31. TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
2 3/8	4235	4235	
32. PERFORATION RECORD (Interval, size and number) 4312 to 4327 Open Hole			
33. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
4312 to 4327		6960 Oil and 4000 Sand	
34. PRODUCTION			
DATE FIRST PRODUCTION 12/24/86		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing	
DATE OF TEST 12/24/86		WELL STATUS (Producing or shut-in) Producing	
HOURS TESTED 24	CHOKE SIZE 12/64	PROD'N. FOR TEST PERIOD OIL—BBL. 120	GAS—MCF. 240
FLOW. TUBING PRESS. 385	CASING PRESSURE 100	WATER—BBL. 2	GAS-OIL RATIO 2000
CALCULATED 24-HOUR RATE OIL—BBL. 120		OIL GRAVITY-API (CORR.) 43	
35. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented			
36. LIST OF ATTACHMENTS 1 copy Deviation Survey, 1 copy Gamma Ray Neutron Log			
37. 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 12/29/86			

*(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	4313	4327	95% Sandstone, light gray to gray slightly shaly, slightly calcareous, slightly laminated with black shale, silty. 30% good to fair oil flour-essence, SL cut when crushed. 5% shale, black silty. Bailed slight rainbow show of oil with odor of sweet gas.	Top Rushler FM	974	
				"Salado Salt	1310	
				"Castile FM	2313	
				"Uppermost		
				Salt in Cas-		
				tile FM	2929	
				"M" Salt in		
				Castile FM	3584	
				Base of "M"		
				Salt	3730	
Top Lowermost						
Salt	3828					
Base Lowermost						
Salt	4074					
Top Lamar Shale						
"Delaware						
Lime"	4209					
Top Delaware						
Sandstone	4313					

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JAN 9 1967
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WASHINGTON, D.C.