

U. S. OIL CONS. COMMISSION
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
NEW MEXICO
SUBMIT IN DUPLICATE
See other instructions on reverse sideForm approved.
Budget Bureau No. 42-R355.5.

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. ESTVR. ☐	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 1662' FEL At top prod. interval reported below 990' FSL and 1662' FEL At total depth 990' FSL and 1662' FEL							
14. PERMIT NO.				DATE ISSUED 11/5/87			
15. DATE SPUDDED 12/18/87		16. DATE T.D. REACHED 1/3/88		17. DATE COMPL. (Ready to prod.) 2/24/88		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3173.425	
20. TOTAL DEPTH, MD & TVD 4293		21. PLUG, BACK T.D., MD & TVD 4293		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY → 0/4253	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 4283 to 4293 Delaware						19. ELEV. CASINGHEAD 3175.425	
26. TYPE ELECTRIC AND OTHER LOGS RUN Gamma-Ray Neutron Log						27. WAS WELL CORED no	
29. LINER RECORD							
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD		AMOUNT PULLED	
8 5/8	24#	1220	12 1/4	650 Sacks circ'd		-0-	
5 1/2	15.5#	4284	7 7/8	800 Sacks circ'd		-0-	
30. TUBING RECORD							
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8	4254	4254
31. PERFORATION RECORD (Interval, size and number) 4284 to 4293 Open Hole				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
				DEPTH INTERVAL (MD)			
				4284-4293			
				AMOUNT AND KIND OF MATERIAL USED			
				6600 Gal Oil			
				5000 20/40 Sand			
33. PRODUCTION							
DATE FIRST PRODUCTION 2/24/88		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing				WELL STATUS (Producing or shut-in) Producing	
DATE OF TEST 3/18/88	HOURS TESTED 24	CHOKE SIZE 14/64	PROD'N. FOR TEST PERIOD →	OIL—BBL. 2	GAS—MCF. 4	WATER—BBL. 20	GAS-OIL RATIO 2000
FLOW. TUBING PRESS. 80#	CASING PRESSURE -0-	CALCULATED 24-HOUR RATE →	OIL—BBL. 2	GAS—MCF. 4	WATER—BBL. 20	OIL GRAVITY-API (CORR.) 42.2	
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 Depletion Survey Report, 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 Marvin L. Smith		TITLE President				DATE March 28, 1988	

*(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.), formations 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.
Delaware	4284	4293	95% Sandstone, light gray to gray, slightly shaly, slightly calcareous, some laminated with black shale, silty. 50% good to fair oil flowresence, SL cut when crushed. 5% shale, black silty Baield slight rainbow show of oil with odor of sweet gas.

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH.
Top Rushler FM	970	
Top Salado Salt	1303	
Top Castile FM	2328	
Top Uppermost Salt in Castile FM	2950	
Top "H" Salt in Castile FM	3560	
Base of "H" Salt	3715	
Top Lowermost Salt	3816	
Base Lowermost Salt	4040	
Top Lamar Shale	4244	
"Delaware Lime" Sandstone	4274	