

N. M. OIL CONS. COM. RECEIVED
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HOBBS, NEW MEXICOUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

(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 ☐		
b. TYPE OF COMPLETION:		NEW WELL ☒	WORK OVER ☐	DEEP-EN ☐	PLUG BACK ☐	DIFF. REVR. ☐	Other ☐
2. NAME OF OPERATOR Highland Production Company							
3. ADDRESS OF OPERATOR 810 North Dixie, Suite 202, Odessa, Texas 79761							
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 330' FEL & 2310' FNL At top prod. interval reported below 330' FEL & 2310' FNL At total depth 330' FEL & 2310' FNL							
14. PERMIT NO.				DATE ISSUED 5/23/88			
15. DATE SPUDDED 6/24/88		18. DATE T.D. REACHED 6/30/88		17. DATE COMPL. (Ready to prod.) 7/14/88		19. ELEVATIONS (OF. RKB, RT, GR, ETC.)* 3169.2 GR	
20. TOTAL DEPTH, MD & TVD 4317		21. PLUG, BACK T.D., MD & TVD		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY 4307	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Open Hole 4307 - 4317 [Delaware]						25. WAS DIRECTIONAL SURVEY MADE Yes	
26. TYPE ELECTRIC AND OTHER LOGS RUN Compensated Porosity 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#/1	1195	12 1/2"	650 Sacs Class "C"		-0-	
5 1/2"	15.5#	4307.49	7 7/8"	950 Sacs H Light/50/50 POS		-0-	
29. LINER RECORD							
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	30. TUBING RECORD		
					SIZE	DEPTH SET (MD)	PACER SET (MD)
					2 3/8"	4275	4275
31. PERFORATION RECORD (Interval, size and number) Open Hole 4307 - 4317				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
				DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED		
				4307 - 4317	3080 gals Oil 24 gals M055		
					10.5 M056 with K34		
33. PRODUCTION							
DATE FIRST PRODUCTION 7/14/88		PRODUCTION METHOD (flowing, gas lift, pumping—size and type of pump) Flowing				WELL STATUS (Producing or shut-in) Producing	
DATE OF TEST 7/15/88	HOURS TESTED 24	CHOKE SIZE 14/64	PROD'N. FOR TEST PERIOD →	OIL—BBL. 120	GAS—MCF. 200	WATER—BBL. 3	GAS-OIL RATIO 1,667
FLOW. TUBING PRESS. 350	CASING PRESSURE 0	CALCULATED 24-HOUR RATE →	OIL—BBL. 120	GAS—MCF. 200	WATER—BBL. 3	OIL GRAVITY-API (CORR.) 43	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented						TEST WITNESSED BY Marvin L. Smith	
35. LIST OF ATTACHMENTS 1 copy deviation survey, 1 copy Compensated Porosity Neutron Log						ACCEPTED FOR RECORD SJS	
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records						AUG 3 1988	
SIGNED Johnnye L. Hance		TITLE Assistant Corporate Secretary		DATE July 15, 1988		CARLSBAD, NEW MEXICO	

* (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	MEAN. DEPTH	TRUE VERT. DEPTH
Delaware	4307	4317	95% Sandstone, light gray to gray slightly shaly, slightly calcareous, slightly laminated with black shale, silty. 80% good to fair oil fluorensence, SL cut when crushed. 5% shale, black silty. Bailed slight rainbow show of oil with odor of sweet gas.	Top Rushler FM Top Salado Salt Top Castile FM Top Uppermost Salt in Castile FM Top "M" Salt in Castile FM Base of "M" Salt Top Lowermost Salt Base Lowermost Salt Top Lamar Shale "Delaware Lime" Top Delaware Sandstone	966 1302 2305 2921 3576 3722 3820 4066 4201 4305	

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