

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 *

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other _____		5. LEASE DESIGNATION AND SERIAL NO. 41 -068281B	
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 P. O. Box 6326, Odessa, Texas 79767-6326		8. FARM OR LEASE NAME Russell Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 330' FNL and 1,000' FEL of Section 20 At top prod. interval reported below 330' FNL and 1,000' FEL Section 20 At total depth 330' FNL and 1,000' FEL of Section 20		9. WELL NO. 13	
14. PERMIT NO.		DATE ISSUED 11/14/85	
15. DATE SPUDDED 12/5/85		16. DATE T.D. REACHED 12/12/85	
17. DATE COMPL. (Ready to prod.) 3/22/86		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3148.9 GR	
19. ELEV. CASINGHEAD 3149.9		10. FIELD AND POOL, OR WILDCAT East Mason (Delaware)	
20. TOTAL DEPTH, MD & TVD 4354		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Section 20, T-26-S, R-32-E	
21. PLUG, BACK T.D., MD & TVD		12. COUNTY OR PARISH Lea	
22. IF MULTIPLE COMPL., HOW MANY*		13. STATE New Mexico	
23. INTERVALS DRILLED BY →		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Open hole 4342-4354	
25. WAS DIRECTIONAL SURVEY MADE No		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.	
8 5/8"		24#	
5 1/2"		15.5#	
DEPTH SET (MD)		HOLE SIZE	
1054		12 1/4"	
4342		7 7/8"	
CEMENTING RECORD		AMOUNT PULLED	
200 sacks Light KCL		None	
200 sacks Class C Neat			
400 sacks HLC		None	
29. LINER RECORD		30. TUBING RECORD	
SIZE		TOP (MD)	
		BOTTOM (MD)	
SACKS CEMENT*		SCREEN (MD)	
SIZE		DEPTH SET (MD)	
2 3/8		3578	
PACKER SET (MD)			
No			
31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
Open Hole: 4342-4354		DEPTH INTERVAL (MD)	
		4342-4354	
		AMOUNT AND KIND OF MATERIAL USED	
		6500 Gel My-T-Oil II	
		600 lbs K-34 Breaker	
		(5000 lb) 30 sk 20/40 Sand	
		10 sk 12/20 & 16/30 Sand	
33.* PRODUCTION		DATE FIRST PRODUCTION	
PUMPING METHOD (Flowing, gas lift, pumpin;—size and type of pump)		March 22, 1986	
WELL STATUS (Producing or shut-in)		Producing	
DATE OF TEST		HOURS TESTED	
3/24/86		24	
CHOKE SIZE		None	
PROD'N. FOR TEST PERIOD		OIL—BBL.	
→		6	
GAS—MCF.		10	
WATER—BBL.		58	
GAS-OIL RATIO		1667	
FLOW. TUBING PRESS.		CASING PRESSURE	
30#		30#	
CALCULATED 24-HOUR RATE		OIL—BBL.	
→		6	
GAS—MCF.		WATER—BBL.	
OIL GRAVITY-API (CORR.)		40.2	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)		TEST WITNESSED BY	
Sold		Marvin L. Smith	
35. LIST OF ATTACHMENTS		MAY 6 1986	
2 copy Deviation Survey, 1 copy Gamma Ray Neutron Log		CARLSBAD, NEW MEXICO	
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 May 1, 1986	

*(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	4329	4354	100% light gray fine quartz grains, slightly calcareous, occasional orange feldspar grains fairly well rounded to slightly sub-angular, with fair to slightly patchy oil fluorescence and light oil stain.	Top "M" Salt in Castile Top Lowermost Salt in Castile Base Lowermost Salt in Castile Top Lamar Shale Top Delaware Sandstone Top of Trap Member Top Ramsey Sandstone	3606 3858 4090 4303 4329 4343 4354	(-1, 142) (-1, 142)