

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

See other instructions on reverse side

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

LEASE DESIGNATION AND SERIAL NO.

NM 55042

NAME OF INDIAN, ALLOTTEE OR TRIBE NAME

1. TYPE OF WELL: OIL WELL GAS WELL DRY OTHER

2. TYPE OF COMPLETION: NEW WELL WORK OVER REFINISH FLAG BACK OTHER

3. NAME OF OPERATOR: Midland Production Company

4. ADDRESS OF OPERATOR: P.O. Box 6026, Midland, Texas 79701

5. LOCATION OF WELL: Report location clearly and in accordance with State requirements.
At surface: 1005' TBL and 297' TBL
At top prod. interval reported below: 1005' TBL and 297' TBL
At total depth: 1005' TBL and 297' TBL

UNIT AGREEMENT NAME

6. NAME OR LEASE NAME: Highland Federal

7. WELL NO.

8. FIELD AND POOL, OR WELL AREA

North East Mason A-4

9. SECTION, TOWNSHIP, RANGE AND COUNTY

Section 8 T-36-R

R-32-1

10. COUNTY AND STATE

Lea New Mexico

11. DATE WELL BEGAN TO PRODUCE

12/6/83

12. TOTAL DEPTH, MD & TBL

1005' TBL and 297' TBL

13. PERCENT INTERVAL(S) OF THIS COMPLETION

Open hole 4407' to 4400' *Running sand*

14. TYPE OF LOGS AND OTHER LOGS RUN

Running sand

15. CASING RECORD

CASING SIZE	WEIGHT, LB/FT.	DEPTH SET (END)	INNER DIA.	OUTER DIA.	AMOUNT MILLING
5 7/8	24#	1051	12 1/4"	13 1/4"	600 GALLONS
4 1/2	13.5#	4407	7 1/2"	8 1/2"	700 GALLONS

16. LINER RECORD

SIZE	TOP (END)	BOTTOM (END)	PAKED CEMENT*	SOBBEN (END)	SIZE	DEPTH SET (END)	PAKED SET (END)
2 7/8		4318.5				4318.5	

17. PENETRATION RECORD

Open hole 4407' to 4400'

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

Open hole 4407' to 4400'

19. PRODUCTION

DATE FIRST PRODUCTION: 12/6/83

20. DATE OF TEST: 12/31/83

21. HOURS TESTED: 12/6-12/7

22. CHARGE SIZE: 12/6

23. PRESSURE: 100.000

24. TEMPERATURE: 100

25. CALCULATED 24-HOUR RATE: 100

26. OIL GRAVITY (API) (CORR.): 40

27. PENETRATION OF GAS (well used for fuel, venting, etc.): Good

28. LIST OF ATTACHMENTS

10 BOTTOM SURVEY

29. I hereby certify that the foregoing and attached records are complete and correct as determined from all available records

SIGNED: Marvin L. Smith

TITLE: CARLSBAD, NEW MEXICO

DATE: FEB 26 1986

PAGE: 2/7/86

* (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 leased 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 agencies, and practices, either are shown below or will be learned 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 report 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 20.

Item 4: If there are no applicable State requirements, location on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 13: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other reports 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: "Seals 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 COMPLETE THEREOF; CORE INTERVALS; AND ALL DEEPEST TERTS, DEEP DING
REPORT INTERVAL MAY BE, CUSHING DEEP, FLOWING AND ELECTRIC EFFECTS, AND DISCOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	38. GEOLOGIC MARKERS	MEAS. DEPTH	TRUE VERT. DEPTH
Ramsey Sand	4420	4430	counted sand with a fluorescence and fair odor of "sweet" oil.	Top Rustler Form Top Salado Salt Top Castile Top Top Lowermost Salt in Castile Base Lowermost Salt in Castile Top Lamar Lime Top Delaware Sand Top Ramsey Sand	980 1410 2100 3802 4150 4366 4393 4420	

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