

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See instructions on reverse side)

Form Approved Page Bureau No. 42-R355.5

5. LEASE DESIGNATION AND SERIAL NO.

NM 32167

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

SPRING FEDERAL

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

UNDESIGNATED ABO

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

SEC 5, T6S, R26E

12. COUNTY OR PARISH

CHAVES

13. STATE

NEW MEXICO

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL [] GAS WELL [X] DRY [] Other []

b. TYPE OF COMPLETION: NEW WELL [X] WORK OVER [] DEEP-EN [] PLUG BACK [] DIFF. RESVR. [] Other []

2. NAME OF OPERATOR: MESA PETROLEUM CO. / OIL & GAS U.S. GEOLOGICAL SURVEY ROSWELL, NEW MEXICO

3. ADDRESS OF OPERATOR: 1000 VAUGHN BUILDING/MIDLAND, TX 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface: 660' FSL & 660' FWL At top prod. interval reported below: SAME At total depth: SAME

14. PERMIT NO. DATE ISSUED 8-7-81

15. DATE SPUNDED 9-14-81 16. DATE T.D. REACHED 9-24-81 17. DATE COMPL. (Ready to prod.) 10-21-81 18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 3710' GR 19. ELEV. CASINGHEAD 3710'

20. TOTAL DEPTH, MD & TVD 4250' 21. PLUG, BACK T.D., MD & TVD 4170' 22. IF MULTIPLE COMPL., HOW MANY* RECEIVED 23. INTERVALS DRILLED BY ROTARY TOOLS ALL CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 3767---4014', ABO DEC 15 1981 25. WAS DIRECTIONAL SURVEY MADE NO

26. TYPE ELECTRIC AND OTHER LOGS RUN GR-CLL/GR-CNL-FDC O.C.D. 27. WAS WELL CORED NO

Table with 5 columns: CASINO SIZE, WEIGHT, LB./FT., DEPTH SET (MD), HOLE SIZE, CEMENTING RECORD, AMOUNT PULLED. Rows include 13 3/8" 48# 862' 17 1/2" 150SxThixset/250HLW/200"C /700Thixset

Table with 2 main sections: 29. LINER RECORD (SIZE, TOP (MD), BOTTOM (MD), SACKS CEMENT*, SCREEN (MD)) and 30. TUBING RECORD (SIZE, DEPTH SET (MD), PACKER SET (MD)).

31. PERFORATION RECORD (Interval, size and number) 3767'-72' (1 JSPF), 3877' (2 JSPF), 3879' (1 JSPF) 3880' (2 JSPF), 3898' (2 JSPF) 3985', 88', 93', 98', (1 JSPF), 4002' (2 JSPF), 4004', 06' (1 JSPF), 4010', 14' (2 JSPF); total of 24 holes 3 1/8" csg gun 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. Table with DEPTH INTERVAL (MD) and AMOUNT AND KIND OF MATERIAL USED.

33.* PRODUCTION DATE FIRST PRODUCTION -- PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) FLOWING WELL STATUS (Producing or shut-in) SHUT-IN

Table with 8 columns: DATE OF TEST, HOURS TESTED, CHOKE SIZE, PROD'N. FOR TEST PERIOD, OIL—BBL., GAS—MCF., WATER—BBL., GAS-OIL RATIO. Includes values for 10-21-81, 4 hours, 22/64, 284 MCF.

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) VENTED TEST WITNESSED BY E. L. BUTTROSS, JR.

35. LIST OF ATTACHMENTS C-122, RECORD OF INCLINATION DEC 14 1981

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records SIGNED R. E. Mark TITLE REGULATORY COORDINATOR DATE OCTOBER 28, 1981

*(See Instructions and Spaces for Additional Data on Reverse Side)

XC: USGS (6), TLS, CEN RCDS, ACCTG, MEC, LAND, D&M, MTS (3), EEB, PARTNERS, REM, ROSWELL, TW, K, CTY, LMC, FILE

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS	
				NAME	TOP MEAS. DEPTH
NOT LOGGED				SAN ANDES GLORIETA TUBB ABO	570' 1545' 3025' 3687'

MESA PETROLEUM CO.
SPRING FEDERAL #2
660' FSL & 660' FWL, SEC 5, T6S, R26E
CHAVES COUNTY, NEW MEXICO

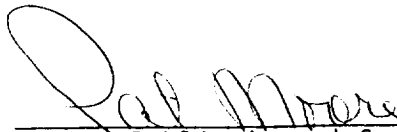
RECORD OF INCLINATION

<u>(DEPTH)</u>	<u>(DEVIATIONS)</u>
.360'	1/2°
1250'	1 1/4°
1500'	1°
2500'	1°
3087'	1°
3646'	1°



BY: R. E. MATHIS, REGULATORY COORDINATOR

Subscribed and sworn to before me this 28th day of October, 1981.



Notary Public in and for Midland County,
Texas.

Commission Expires: 6-26-85