

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

5. LEASE DESIGNATION AND SERIAL NO.

NM-40029

RECEIVED

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME DEC 11 1981

8. FARM OR LEASE NAME

Alkali Federal Office

9. WELL NO.

4

10. FIELD AND POOL, OR WILDCAT

Undesignated Abo

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

Sec. 22, T5S, R25E

12. COUNTY OR PARISH
Chaves

13. STATE
NM

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. RESVR. ☐ Other ☐

2. NAME OF OPERATOR

Mesa Petroleum Co.

3. ADDRESS OF OPERATOR

1000 Vaughn Buidling/Midland, Texas 79701-4493

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface

660' FNL & 660' FW

At top prod. interval reported below

At total depth Same

Same

14. PERMIT NO.

DATE ISSUED

9-16-81

15. DATE SPUDDED

9-28-81

16. DATE T.D. REACHED

10-11-81

17. DATE COMPL. (Ready to prod.)

11-13-81

18. ELEVATIONS (DF, REB, RT, GR, ETC.)*

3768' GR

19. ELEV. CASINGHEAD

3768'

20. TOTAL DEPTH, MD & TVD

4234'

21. PLUG, BACK T.D., MD & TVD

4111' 3970'

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

→

ROTARY TOOLS

A11

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

3730'---3844', Abo (CIBP @ 3970')

25. WAS DIRECTIONAL SURVEY MADE

NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

GR-CLL/GR-CNC-FDC

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
13 3/8"	48#	826'	17 1/2"	800HLW/thixset/200 "C"	
8 5/8"	24#	1612'	11"	800HLW/300thixset/200"C"	
4 1/2"	10.5#	4236'	7 7/8"	600HLW/450 "C"	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	3610'	-

31. PERFORATION RECORD (Interval, size and number)

3730', 33', 36', 37', 3757', 59.5',
3987', 89, 91.5' -2JSPF
3818.5, 3821', 3844.5' -1JSPF
Total of 21 holes 3 1/8" csg gun

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3730'---3991.5'	A/2500 gal 7 1/2% HCL + 50BS
3730'---3844.5'	F/36,800 gal 3% Gel+8,400 gal CO2 +109,200# 20-40SD + 26,400# 10-20SD

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
-		Flowing					Shut-In	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO	
11-13-81	4	-	→	-	237	-	-	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)		
760	735	→	-	1423	-	-		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Vented

TEST WITNESSED BY

E.L. Butross, Jr.

35. LIST OF ATTACHMENTS

C-122, Record of Inclination

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

R. E. Marshall

TITLE Regulatory Coordinator

DATE November 25, 1981

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

XC: USGS(6), TLS, CEN RCDS, ACCTG, ROSWELL, MEC, LAND, PARTNERS, MTS(3), D&M, CTY, LMC, EEB, REM, K, TW, 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. 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			38. GEOLOGIC MARKERS	
FORMATION	TOP	BOTTOM	NAME	MEAS. DEPTH TOP TRUE VERT. DEPTH
NOT LOGGED			San Andres Glorieta Tubb Abo	626' 1566' 3028' 3679'

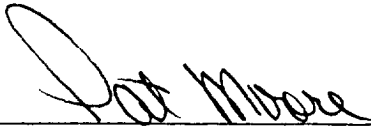
MESA PETROLEUM CO.
ALKALI FEDERAL #4
660' FNL & 660' FWL, SEC 22, T5S, R25E
CHAVES COUNTY, NEW MEXICO

RECORD OF INCLINATION

<u>(DEPTH)</u>	<u>(DEVIATION)</u>
445'	1/2°
850'	1/2°
1614'	1°
2131'	1°
3529'	1°
4234'	1°
4204'	


BY: R. E. MATHIS, REGULATORY COORDINATOR

Subscribed and sworn to before me this 3rd day of December, 1981.


Notary Public in and for Midland County, Texas

Commission Expires: 6-26-85