

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See instructions on reverse side)

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

LEASE DESIGNATION AND SERIAL NO.

NM-40029

IF INDIAN, ALLOTTEE OR TRIBE NAME

UNIT AGREEMENT NAME

FARM OR LEASE NAME

Alkali Federal

WELL NO.

9

FIELD AND POOL, OR WILDCAT

Undesignated ABO

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

Sec 22, T5S, R25E

COUNTY OR PARISH

Chaves

STATE

New Mexico

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 BUILDING/MIDLAND, TEXAS 79701-4493

4. LOCATION OF WELL (Report location clearly and in accordance with any State regulations)
At surface 660' FSL & 1980' FEL

At top prod. interval reported below

At total depth same

14. PERMIT NO.

DATE ISSUED

12-18-82

15. DATE SPUDDED

12-30-81

16. DATE T.D. REACHED

1-7-82

17. DATE COMPL. (Ready to prod.)

1-29-82

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

3691' GR

19. ELEV. CASINGHEAD

3691'

20. TOTAL DEPTH, MD & TVD

4150'

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

4069'

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

3735'----3878', ABO

26. TYPE ELECTRIC AND OTHER LOGS RUN

GR-CLL/GR-CNL/FDC

27. WAS WELL CORED

No

28. CASING RECORD (OSWELL NEW MEXICO)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	48#	755'	17 1/2"	700 HLW/300 Thixset/300 "C"	800 Thixset
8 5/8"	24#	1851'	12 1/4"	750 HLW/300 Thixset/300 "C"	
4 1/2"	10.5#	4140'	7 7/8"	500 "C"	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	3625'	-

31. PERFORATION RECORD (Interval, size and number)

3735', 38', 41', 55', 59', 61', 65', 68'
3876', 78',; 20 holes 3 1/8" csg gun
2 JSPF 180° phase

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3735'----3878'	A/3250 gal 7 1/2% HCL + 50 BS
3735'----3878'	A/3200 gal 7 1/2% HCL + 50 BS
3735'----3878'	F/52,682 gal X-link gel KCL & CO2 + 90,000# 20/40 SD + 27,000#

33. PRODUCTION

10/20 SD

DATE FIRST PRODUCTION

PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)

flowing

WELL STATUS (Producing or shut-in)

Shut-in

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
1-29-82	1	-	→	-	643	-	-
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	CIL GRAVITY-API (CORR.)	
345	360	→	-	CAOF=800	-	-	-

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

Vented

TEST WITNESSED BY

E.L. Buttross, Jr.

35. LIST OF ATTACHMENTS

C122, 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. S. Mark

TITLE

REGULATORY COORDINATOR

DATE

2-2-82

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

XC; USGS (6), TLS, CEN RCDS, ACCGT, ROSWELL, MEX., LAND, DATA, COPIES, PARTNERS, REM, FILE
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

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 25.

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 38. DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
NOT	LOGGED			SAN ANDRES	648'	
				GLORIETA	1575'	
				TUBB	3030'	
				ABO	3685'	

MESA PETROLEUM CO.
ALKALI FEDERAL #9
660' FSL & 1980' FEL, SEC 22, T5S, R25E
CHAVES COUNTY, NEW MEXICO

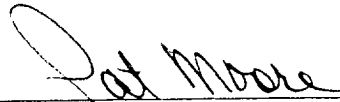
RECORD OF INCLINATION

<u>(DEPTH)</u>	<u>(DEVIATIONS)</u>
491'	1/2°
882'	1/2°
1357'	1°
1857'	1 1/4°
2340'	1 1/2°
2834'	1 1/4°
3890'	1 1/2°
4150'	1 3/4°



R. E. MATHIS, REGULATORY COORDINATOR

Subscribed and sworn to before me this 4th day of February, 1982.



Notary Public in and for Midland County, Texas.

Commission Expires: 6-26-85