

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

NM OIL CONS. MISSION  
SUBMITTER'S NAME AND ADDRESS  
Drawer DD (See other instructions on reverse)  
Artesia, NM 88210

Form approved  
Budget Bureau No. 42-R355.5

LEASE DESIGNATION AND SERIAL NO.

NM-36653

INDIAN, ALLOTTEE OR TRIBE NAME

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED  
JUL 1 1982

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, TX 79701-4493

4. LOCATION OF WELL (Report location clearly and in accordance with State requirements)\*  
At surface 860' FNL & 660' FEL

At top prod. interval reported below SAME  
At total depth SAME  
14. PERM. NO. O.C.D. ARTESIA. OFFICE DATE ISSUED 8-19-81

15. DATE SPUNDED 5-30-82 16. DATE T.D. REACHED 6-4-82 17. DATE COMPL. (Ready to prod.) 6-17-82 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 4198.9' GR 19. ELEV. CASINGHEAD 4199'

20. TOTAL DEPTH, MD & TVD 3200' 21. PLUG, BACK T.D., MD & TVD 3102' 22. IF MULTIPLE COMPL., HOW MANY\* - 23. INTERVALS DRILLED BY ALL

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* 3011' --- 3028'; ABO

26. TYPE ELECTRIC AND OTHER LOGS RUN GR-CLL/GR-CNL-FDC

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24#	1509'	12 1/4"	700/200/1450	
4 1/2"	10.5#	3146'	7 7/8"	350	

29. LINER RECORD

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

31. PERFORATION RECORD (Interval, size and number)  
3011', 12', 18', 19', 23', 24', 25', 26', 27', 28'; total of 20 holes 3 1/8" csg gun 2 JSPF

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	3023'	-

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3011' --- 3028'	A/3000 gal 7 1/2% HCL + 50 BS
3011' --- 3028'	F/35,000 gal X-link gel KCL + CO2 + 66,000# 20/40 sd + 50,000# 10/20 sd

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)
-	FLOWING

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.
6-17-82	1	-	→	-	24

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
345	405	→	-	CAOF=850		

ACCEPTED FOR RECORD  
WELL STATUS (Producing or Shut-in)  
SHUT-IN  
SEP 27 1982  
U.S. GEOLOGICAL SURVEY  
TEST WITNESSED BY  
ROSWELL, NEW MEXICO  
E. L. BUTTROSS, JR.

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

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. Mark TITLE REGULATORY COORDINATOR DATE 6-28-82

\*(See Instructions and Spaces for Additional Data on Reverse Side)  
XC: MMS (7), T.L.S., GEN RCDS, ACCTG, MEC, MAH, D&M, MTS (3), LMC, CTY, ROSWELL, EEB, REM, K, TW, FILE, (PARTNERS)

# 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:** "Stacks 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.	38.	GEOLOGIC MARKERS	
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
NOT LOGGED						
				SAN ANDRES	SURFACE	
				GLORIETA	604'	
				YESO	814'	
				TUBB	2212'	
				ABO	2842'	

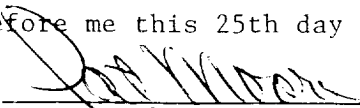
MESA PETROLEUM CO.  
CAROL FEDERAL #1  
860' FNL & 660' FEL, SEC 13, T6S, R22E  
CHAVES COUNTY, NEW MEXICO

RECORD OF INCLINATION

<u>DEPTH</u>	<u>DEVIATIONS</u>
609'	$\frac{1}{2}^{\circ}$
1107'	$\frac{1}{2}^{\circ}$
1509'	$\frac{1}{2}^{\circ}$
2289'	$\frac{1}{2}^{\circ}$
3200'	$\frac{3}{4}^{\circ}$

  
\_\_\_\_\_  
R. E. MATHIS, REGULATORY COORDINATOR

Subscribed and sworn to before me this 25th day of June, 1982.

  
\_\_\_\_\_  
Notary Public in and for Midland  
County, Texas.

Commission Expires: JUNE 26, 1985