

N.M.O.C.D. COPY
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

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

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, TX 79701
OIL & GAS
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 2000' FNL & 2478' FWL
At top prod. interval reported below SAME
At total depth SAME

14. PERMIT NO. DATE ISSUED
4-1-81

5. LEASE DESIGNATION AND SERIAL NO.
NM - 36652
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
RECEIVED
7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
BARN FEDERAL
9. WELL NO. O.C.D.
2 ARTESIA, OFFICE
10. FIELD AND POOL, OR WILDCAT
UNDESIGNATED ABO
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
SEC 12, T8S, R22E

12. COUNTY OR PARISH
CHAVES
13. STATE
NEW MEXICO

15. DATE SPUDDED 5-8-81 16. DATE T.D. REACHED 5-19-81 17. DATE COMPL. (Ready to prod.) 7-1-81 18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 4154.' GR 19. ELEV. CASINGHEAD 4154'

20. TOTAL DEPTH, MD & TVD 3420' 21. PLUG, BACK T.D., MD & TVD 3359' 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY ALL 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 2842'---2925', ABO 25. WAS DIRECTIONAL SURVEY MADE NO

26. TYPE ELECTRIC AND OTHER LOGS RUN
GR-CCL/GR-CNL-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
8 5/8"	24#	1245'	12 1/4"	200 LT/200 Thixset/300"C	300Thixset
4 1/2"	10.5#	3405'	7 7/8"	600 LT/300 Pozmix	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	2926'	-

31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
2842'---2925', .25" ENTRY, 22 HOLES				DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
				2842'---2925'	A/2500 gal 7 1/2% HCL + 35BS
				2842'---2925'	F/20,000GalGetted2%KCL+10,000
					GalCO2+4500#100 Mesh Sd + 53,200#
					20/40 SD

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
DATE OF TEST 7-1-81 HOURS TESTED 4 CHOKE SIZE - PROD'N. FOR TEST PERIOD - OIL—BBL. - GAS—MCF. 51 WATER—BBL. - GAS-OIL RATIO -
FLOW. TUBING PRESS. 510 CASING PRESSURE 525 CALCULATED 24-HOUR RATE - OIL—BBL. - GAS—MCF. 307 WATER—BBL. - OIL GRAVITY-API (CORR.) -

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) VENTED ACCEPTED FOR RECORD ROGER A. CHAPMAN TEST WITNESSED BY E.L. BUTTROSS, JR.

35. LIST OF ATTACHMENTS C-122, RECORD OF INCLINATION

36. I hereby certify that the foregoing and attached information is complete, correct as determined from all available records
SIGNED R. S. [Signature] TITLE REGULATORY COORDINATOR U.S. GEOLOGICAL SURVEY DATE JULY 9, 1981

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

XC: USGS (5), TLS, CEN RCDS, ACCTG, ROSWELL, MEC, LAND, D&M, TW, K, PARTNERS, LMC, EEB
MTS PARTNERS (3)

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.	38. GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
NOT LOGGED				GLORIETA	516'	
				ABO	2760'	

MESA PETROLEUM CO.
BARN FEDERAL #2
2000' FNL & 2478' FWL, SEC 12, T8S, R22E
CHAVES COUNTY, NEW MEXICO

RECEIVED

JUL 17 1981

O. C. D.
ARTESIA, OFFICE

RECORD OF INCLINATION

(DEPTH)

(DEVIATION)

500'	1 1/4°
998'	2°
1250'	3°
2000'	1°
3128'	3/4°

R. E. Mathis

BY: R. E. MATHIS, REGULATORY COORDINATOR

Subscribed and sworn to before me this 9th day of JULY, 1981.

John Moore

Notary Public in and for Midland County,
Texas.

Commission Expires: 6-26-85

