

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT TO: NM OIL CONS. COM. 68 d/sf
Instructions on reverse side
Art. 12. NM 88218

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 79701-4493

4. LOCATION OF WELL (Report location clearly and in accordance with applicable requirements):
At surface 1650' FSL & 1870' FWL
At top prod. interval reported below SAME
At total depth SAME

5. LEASE DESIGNATION AND SERIAL NO.: NM-36648

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: CHINA FEDERAL

7. UNIT AGREEMENT NAME: 4

8. FARM OR LEASE NAME: UNDESIGNATED ABO

9. WELL NO.: SEC 17, T7S, R23E

10. FIELD AND POOL, OR WILDCAT: 4037'

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: CHAVES NEW MEXICO

12. COUNTY OR PARISH: CHAVES

13. STATE: NEW MEXICO

14. PERMIT NO. O.C.D. DATE ISSUED: 9-18-81

15. DATE SPUNDED: 5-17-82

16. DATE T.D. REACHED: 5-20-82

17. DATE COMPL. (Ready to prod.): 6-8-82

18. ELEVATIONS (DF, RKB, RT, GR, ETC.): 4037.3' GR

19. ELEV. CASINGHEAD: 4037'

20. TOTAL DEPTH, MD & TVD: 3350'

21. PLUG BACK T.D., MD & TVD: 3116'

22. IF MULTIPLE COMPL., HOW MANY: -

23. INTERVALS DRILLED BY: ALL

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD): 2879' --- 2994', ABO

25. WAS DIRECTIONAL SURVEY MADE: NO

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

27. WAS WELL CORED: NO

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#	1500'	12 1/4"	800/300	
4 1/2"	10.5#	3150'	7 7/8"	200/200/150*	

LINER RECORD					TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	2762'	

31. PERFORATION RECORD (Interval, size and number)	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
2879', 80', 81', 2905', 06', 09', 10', 12', 71', 93', 94'; total of 22 holes 3 1/8" csg gun 2 JSPF	DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED
	2879'---2994' A/3500 gal 7 1/2% HCL + 55 BS
	2879'---2994' F/37,000 gal X-link gel KCL + CO2 + 78,000# 20/40 sd + 44,000# 20/40 sd

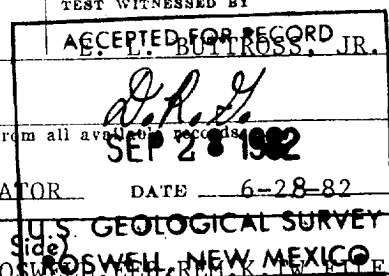
33.* PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)				WELL STATUS (Producing or shut-in)	
		FLOWING				SHUT-IN	
DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
6-8-82	4	-	→	-	149	-	-
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)	
396	476	→	-	894	-	-	

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



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.)

* BOND LOG SHOWED POOR CEMENT ON INITIAL JOB. 4 1/2" CSG WAS PERFORATED WITH TWO HOLES AT 2971' AND TWO HOLES AT 2880' AND THEN CEMENT SQUEZZED WITH 200 SX "C" + D60 AND 150 SX "C" TO RAISE CEMENT TO 2420'.

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	584'	
				YESO	800'	
				TUBB	2160'	
				ABO	2807'	

MESA PETROLEUM CO.
CHINA FEDERAL #4
1650' FSL & 1870' FWL, SEC 17, T7S, R23E
CHAVES COUNTY, NEW MEXICO

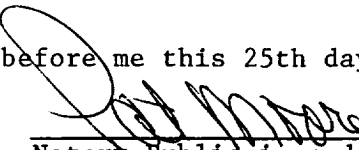
RECORD OF INCLINATION

<u>DEPTH</u>	<u>DEVIATIONS</u>
530'	1/2°
1503'	3/4°
2033'	1/2°
3350'	1/2°



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