

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

DD FORM 2
ARRESTA, NM 88211
(See other side 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, TEXAS 79701-4493							
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 850' FSL & 760' FWL At top prod. interval reported below SAME At total depth SAME							
14. PERMIT NO.		DATE ISSUED JAN 6 1981 O.C.D. ARRESTA, NM 88211					
5. LEASE DESIGNATION AND SERIAL NO.		NM-40029					
6. IF INDIAN, ALLOTTEE OR TRIBE NAME		UNDESIGNATED ABO					
7. UNIT AGREEMENT NAME		SEC 22, T5S, R25E					
8. FARM OR LEASE NAME		ALKALI FEDERAL					
9. WELL NO.		3					
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		NEW MEXICO					
15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, REB, RT, GR, ETC.)*		19. ELEV. CASINGHEAD		
10-31-81	11-13-81	12-10-81	2763' GR		3763'		
20. TOTAL DEPTH, MD & TVD	21. PLUG BACK T.D., MD & TVD	22. INTERVALS DRILLED BY		ROTARY TOOLS	CABLE TOOLS		
4253'	4197'	A11					
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 3754'-----3898', ABO					25. WAS DIRECTIONAL SURVEY MADE No		
26. TYPE ELECTRIC AND OTHER LOGS RUN GR-CLL/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		
13 3/8"	48#	820'	17 1/2"	600 "C"/200 "C"			
8 5/8"	24#	1797'	11"	750 HLW/300 Thixset/250	"C"		
4 1/2"	10.5#	4250'	7 7/8"	600 HLW/450 "C"			
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"	3650'	
31. PERFORATION RECORD (Interval, size and number) 3754-61, 3889-98; total of 18 holes 3 1/8" csg gun 1 JSPF				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED						
3889--98'	A/1500 gal 7 1/2% HCC + 30 BS						
3754--61'	A/1200 gal 7 1/2% HCC + 24 BS						
3754--3898'	F/52,500 gal X-link gelled KCC & CO2 130,800# 20/40 + 31,400#						
33.* PRODUCTION				10/40 SD			
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.	
12-10-81	4	-	→	-	288	-	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
660	675	→	-	1731	-	-	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)				TEST WITNESSED BY			
Vented				ACCEPTED FOR RECORD ROGER A. CHAPMAN			
35. LIST OF ATTACHMENTS C-122, Record of Inclination				E.L. Buttross, Jr.			
36. I hereby certify that the foregoing and attached information is complete and correct and is permitted to be used in all available records							
SIGNED		TITLE		DATE			
R.F. Mart		REGULATORY COORDINATOR		12-28-81			

U.S. GEOLOGICAL SURVEY
ROSWell, NEW MEXICO

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

Posted ID-2
+ Comp. Book
SI
1-15-81

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			38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
NOT LOGGED			San Andres	650'	
			Glorieta	1592'	
			Tubb	3050'	
			ABO	3705'	

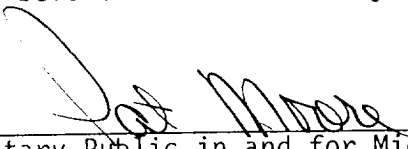
MESA PETROLEUM CO.
ALKALI FEDERAL #3
850' FSL & 760' FWL, SEC 22, T5S, R25E
CHAVES COUNTY, NEW MEXICO

RECORD OF INCLINATION

<u>(DEPTH)</u>	<u>(DEVIATIONS)</u>
615'	3/4°
1195'	3/4°
1583'	1°
1807'	1°
2640'	1°
3150'	3/4°
3630'	3/4°
4253'	1°


BY: R. E. MATHIS, REGULATORY COORDINATOR

Subscribed and sworn to before me this 29th day of December, 1981


Notary Public in and for Midland County,
Texas.

Commission Expires: June 26, 1985