

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

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

NM OIL, GAS, AND MINERAL COMMISSION

Drawer D (Reverse side)

Artesia, NM 88210

NM-33944

6. IF INDIAN, ALLOTTED OR TRIBE NAME

## WELL COMPLETION OR RECOMPLETION REPORT

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> Other <input type="checkbox"/>		1b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other <input type="checkbox"/>		14. PERMIT NO. C. C. D. DATE ISSUED ARTESIA, OFFICE 6-21-82		15. DATE SPUDDED 7-17-82		16. DATE T.D. REACHED 7-27-82		17. DATE COMPL. (Ready to prod.) 8-17-82		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3569', 3582.5' RKB		19. ELEV. CASINGHEAD 3569'	
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 instructions)* At surface 660' FSL & 990' FWL At top prod. interval reported below SAME At total depth SAME		5. LEASE DESIGNATION AND SERIAL NO. NM-33944		6. IF INDIAN, ALLOTTED OR TRIBE NAME		7. AGREEMENT NAME		8. ARM OR LEASE NAME SHELLY FEDERAL		9. WELL NO. 1	
10. FIELD AND POOL OF WILDCAT UNDESIGNATED ABO GAS		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA SEC 24, T9S, R24E		12. COUNTY OR PARISH CHAVES		13. STATE NEW MEXICO		20. TOTAL DEPTH, MD & TVD 3950'		21. PLUG, BACK T.D., MD & TVD 3763'		22. IF MULTIPLE COMPL., HOW MANY* -		23. INTERVALS DRILLED BY ALL	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 3435' --- 3533', 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)							
CASINO SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED					
13 3/8"		48#		404'		17 1/2"		250/200/950							
8 5/8"		24#		969'		12 1/4"		700/200/60							
4 1/2"		10.5#		3812'		7 7/8"		725/500							
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"		3340'			
31. PERFORATION RECORD (Interval, size and number) 3435', 36', 37', 43', 44', 3513', 14', 15', 16', 19', 20', 21', 26', 27', 28', 29', 30', 31', 32', 33'; total of 20 holes 3 1/8" csg gun 1 JSPF								32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED 3435'---3533' A/3100 gals 7 1/2% HCL + 50 BS 3435'---3533' F/47,500 gals x-link gel KCL & CO2 + 87,000# 20/40 sd + 66,000# 10/20 sd							
33.* PRODUCTION								34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) VENTED							
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	
8-17-82		4		-		-		-		165		-		-	
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE		OIL—BBL.		GAS—MCF.		WATER—BBL.		OIL GRAVITY-API (CORR.)			
453		500		-		-		992		-		-			
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. MATTIA								TITLE REGULATORY COORDINATOR							

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

XC: MMS (7), TLS, CEN RCDS, ACCTG, MEC, MAH, D&amp;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 16: 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.)

## 87. 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 ANDRESS	420'	
				GLORIETA	1084'	
				YESO	1230'	
				TUBB	2650'	
				ABO	3400'	

MESA PETROLEUM CO.  
SHELLY FEDERAL #1  
660' FSL & 990' FWL, SEC 24, T9S, R24E  
CHAVES COUNTY, NEW MEXICO

RECORD OF INCLINATION

<u>DEPTH</u>	<u>DEVIATIONS</u>
500'	$\frac{1}{4}^{\circ}$
1136'	$\frac{1}{4}^{\circ}$
1632'	1°
2128'	1°
3311'	1°
3950'	$3\frac{3}{4}^{\circ}$

W.R. Miertschin  
~~R. E. MATHIS, REGULATORY COORDINATOR~~  
W.R. MIERTSCHIN, DIVISION DRILLING SUPERVISOR

Subscribed and sworn to before me this 19th day of August, 1982.

Ed Moore  
Notary Public in and for Midland  
County, Texas.

Commission Expires: JUNE 26, 1985