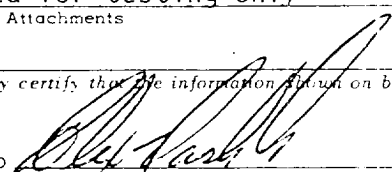


Form C-105
Revised 1-1-65NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG5a. Indicate Type of Lease
State ☒ Fee ☐
5. State Oil & Gas Lease No.
E1198, E157, E4700, E5152

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FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

1a. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER _____		7. Unit Agreement Name State Com	
b. TYPE OF COMPLETION NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER _____		8. Farm or Lease Name	
2. Name of Operator Mesa Petroleum Co.		9. Well No. AK 35E	
3. Address of Operator 1660 Lincoln St., #2800 Denver, Colorado 80264		10. Field and Pool, or Wildcat Basin Dakota	
4. Location of Well UNIT LETTER _____ LOCATED 1100 FEET FROM THE South LINE AND 820 FEET FROM THE East LINE OF SEC. 36 TWP. 32N RGE. 12W NMPM		12. County San Juan	
15. Date Spudded 2/28/80	16. Date T.D. Reached 4/9/80	17. Date Compl. (Ready to Prod.) June 27, 1980	18. Elevations (DF, RKB, RT, GR, etc.) 6382' KB
19. Elev. Casinghead 6367'		20. Total Depth 7,717'	
21. Plug Back T.D. 7,668'		22. If Multiple Compl., How Many	
23. Intervals Drilled By Rotary Tools 0-7,717'		Cable Tools None	
24. Producing Interval(s), of this completion - Top, Bottom, Name 7407-7630' (Gross) Dakota			25. Was Directional Survey Made No
26. Type Electric and Other Logs Run IES, CNL Density, Gamma Ray Correlation, Cmt. Bond Log			27. Was Well Cored No
28. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE
10 3/4"	32.75	257'	15"
7"	20.0	3323'	8 3/4"
CEMENTING RECORD		AMOUNT PULLED	
260 sxs.		450 sxs.	
29. LINER RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT
4 1/2"	3,092	7,694	515
30. TUBING RECORD			
SIZE	DEPTH SET	PACKER SET	
2 3/8"	7379' KB	None	
31. Perforation Record (Interval, size and number, 7630-7624-0.45"-7 7494-7490-0.45"-5 7582-7578-0.45"-5 7411-7407-0.45"-5 7572-7562-0.45"-11 7541-7511-0.45"-31 7507-7501-0.45"-7		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED	
7630-7407		3100 gal. 7 1/2% KCl	
7630-7407		83,884# 20-40 Sand, 15,000#	
		10-20 Sd, 79,907 gal. X-link	
		wtr., 1631 gal. Diesel	
33. PRODUCTION			
Date First Production June 27, 1980	Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing		Well Status (Prod. or Shut-in) Shut In
Date of Test July 7, 1980	Hours Tested 3	Choke Size 3/4"	Prod'n. For Test Period None
Flow Tubing Press. 200	Casing Pressure 200	Calculated 24-Hour Rate None	Oil - Bbl. 2948
Gas - MCF Tr.		Water - Bbl. N/A	
Oil Gravity - API (Corr.) N/A			
34. Disposition of Gas (Sold, used for fuel, vented, etc.) Vented for testing only			Test Witnessed By James Archer
35. List of Attachments			
36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.			
SIGNED 		TITLE Div. Drlg. Super.	
		DATE 7/9/80	

7/14/80: J. Archer, D & M, M & M, L. Carnes, T. Yoakam, NWPL, TLS

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy _____	T. Canyon _____	T. Ojo Alamo <u>1488</u>	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland <u>1924</u>	T. Penn. "C" _____
B. Salt _____	T. Atoka _____	T. Pictured Cliffs <u>3021</u>	T. Penn. "D" _____
T. Yates _____	T. Miss _____	T. Cliff House <u>4754</u>	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout <u>5220</u>	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos <u>5525</u>	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzte _____
T. Glorieta _____	T. McKee _____	Base Greenhorn <u>7346</u>	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota <u>7486</u>	T. _____
T. Blinebry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation

A circular stamp with the word "RECEIVED" in an arc at the top. Below it, the date "JUL 17 1980" is stamped. At the bottom, the text "OIL CON. COM." and "DIST. 3" are stamped on two lines.

OPEN FLOW TEST DATA

DATE 7-3-80

Operator <u>MESA PETROLEUM Co.</u>		Lease <u>STATE COM AK #35'E</u>	
Location <u>D-36-32N-12W</u>		County <u>SAN JUAN</u>	State <u>NEW MEXICO</u>
Formation <u>DAKOTA</u>		Pool <u>BASIN</u>	
Casing: Diameter <u>7" / 4 1/2"</u>	Set At: Feet <u>3092 / 7694</u>	Tubing: Diameter <u>2 3/8 "</u>	Set At: Feet <u>7377</u>
Pay Zone: From <u>7407</u>	To <u>7630</u>	Total Depth:	Shut In
Stimulation Method <u>Flow</u>		Flow Through Casing	Flow Through Tubing <u>XX</u>

Choke Size, Inches <u>3/4"</u>		Choke Constant: C <u>12.365</u>			
Shut-In Pressure, Casing, PSIG <u>1870</u>	+ 12 = PSIA <u>1882</u>	Days Shut-In	Shut-In Pressure, Tubing PSIG <u>1870</u>	+ 12 = PSIA <u>1882</u>	
Flowing Pressure: P PSIG <u>200</u>	+ 12 = PSIA <u>212</u>		Working Pressure: Pw PSIG <u>200</u>	+ 12 = PSIA <u>212</u>	
Temperature: T = <u>78 °F</u>	Ft = <u>.9831</u>	n = <u>.75</u>	Fpv (From Tables) <u>1.020</u>	Gravity <u>.650</u>	Fg = <u>.9608</u>

CHOKE VOLUME = $Q = C \times P_i \times F_i \times F_g \times F_{pv}$

$Q = \{12.365 \times 212 \times .9831 \times .9608 \times 1.020\} = \underline{2526} \text{ MCF/D}$

OPEN FLOW = $Aof = Q \left(\frac{P_c^2}{P_c - P_w} \right)^n$

$Aof = Q \left(\frac{3541924}{2882580} \right)^n = 2526 (1.2287)^{.75} = 2526 \times 1.1671$

$Aof = \underline{2948} \text{ MCF/D}$

TESTED BY JIM PEARCE

WITNESSED BY _____

