

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions 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 Refiners Petroleum Corp.							
3. ADDRESS OF OPERATOR 900 Bank of New Mexico Building, Albuquerque, New Mexico 87101							
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At 990' fal, 990' fel At 990' fal, 990' fel At 990' fal, 990' fel							
14. PERMIT NO. USGS				18. ELEVATION (DF, REB, RT, OR, ETC.)* 7349' ON			
5. LEASE DESIGNATION AND SERIAL NO. Contract No. 411		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla					
7. UNIT AGREEMENT NAME							
8. FARM OR LEASE NAME Cuba Union							
9. WELL NO. 1							
10. FIELD AND POOL, OR WILDCAT Wildcat							
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA See 25-122N-R3W, NMPN							
12. COUNTY OR PARISH Sandoval				13. STATE New Mexico			
15. DATE SPUNDED 8-28-70		16. DATE T.D. REACHED 9-14-70		17. DATE COMPL. (Ready to prod.) 10-8-70		19. ELEV. CASINGHEAD 7350'	
20. TOTAL DEPTH, MD & TVD 7189'		21. PLUG BACK T.D., MD & TVD 7040'		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY ROTARY TOOLS 0'-7189'	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 6878' - 6914' from the Graneros Dakota						25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN Induction Electrical and Gamma Ray Density						27. WAS WELL CORRED Yes	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD		AMOUNT PULLED	
10-3/4"	34#	213.50'	13-3/8"	150 BX C1 & W/25 BX		None	
4-1/2"	9.5# & 11.6#	7186'	7-7/8"	300 BX in two stages		None	
				including BT tool set at 2717' w/110 BX			
29. LINER RECORD							
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)			
30. TUBING RECORD							
SIZE	DEPTH SET (MD)	PACKER SET (MD)					
2-3/8"	6904'	None					
31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
7060' - 7110' w/4 per ft				DEPTH INTERVAL (MD)			
6878' - 6914' w/4 per ft				7060'-7110'			
				6878'-6914'			
				AMOUNT AND KIND OF MATERIAL USED			
				100,000 gallons water and			
				97,000' sand			
				100,000 gallons water and			
				100,000' sand			
33. PRODUCTION							
DATE FIRST PRODUCTION 10/8/70		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Swabbing and Flowing				WELL STATUS (Producing or shut-in) Producing	
DATE OF TEST 10/8/70	HOURS TESTED 24	CHOKE SIZE 2"	PROD'N. FOR TEST PERIOD 387	OIL—BBL. 387	GAS—MCF 151M	WATER—BBL. 54	GAS-OIL RATIO 420
FLOW, TUBING PRESS. 0.7	CASING PRESSURE 175#	CALCULATED 24-HOUR RATE 387	OIL—BBL. 387	GAS—MCF 151M	WATER—BBL. 54	OIL GRAVITY-API (CORR.) 420	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) None						TEST WITNESSED BY F. F. Atkins	
35. LIST OF ATTACHMENTS Logs previously furnished							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED MORRIS B. JONES		TITLE Petroleum Engineer		DATE 10/9/70			

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

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.

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. 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.)

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 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 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

No DST. Core descriptions on attached sheet.

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	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP	TRUE WEST. DEPTH
Tertiary	0"	2230'	Sands and shales	Pictured Cliffs	2600'		2600'
Ojo Alamo	2230'	2398'	Sandstone	Cliffhouse	4118'		4118'
Kirtland	2398'	2600'	Shale, some sandstone	Point Lookout	4734'		4734'
Pictured Cliffs	2600'	2670'	Sandstone	Upper Gallup	5276'		5276'
Leadville Shale	2670'	4118'	Gray shale	Grenadines Dakota	6874'		6874'
Cliffhouse IV	4118'	4182'	Sandstone	Dakota	7038'		7038'
Leadville IV	4182'	4734'	Shales, coals and sandstone	Lower Dakota	7154'		7154'
Point Lookout	4734'	4930'	Sandstone				
Leadville	4930'	5276'	Gray shales				
Upper Gallup	5276'	5872'	Shales, some sandstone				
Lower Gallup	5872'	6096'	Tight sandstone and gray shales				
Lower Hanson	6096'	6794'	Dark gray shales, some sandstone				
Grenadines	6794'	6856'	Limestone, some shales				
Grenadines Shale	6856'	6874'	Dark gray to black shales				
Grenadines Dakota	6874'	6998'	Sandstone, oil saturated				
Grenadines Shale	6998'	7038'	Dark gray shale and tight sandstone				
Dakota Sandstone	7038'	7108'	Light gray sandstone				
Dakota Shale	7108'	7154'	Shale				
Lower Dakota	7154'	7189' TD	Gray sandstone, wet				