

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

CORRECTED REPORT

Form approved.
Budget Bureau No. 42-R255.4

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____		5. LEASE DESIGNATION AND SERIAL NO. Joint Venture Agreement	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESER. ☐ Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache	
2. NAME OF OPERATOR Palmer Oil & Gas Company		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P.O. Box 2564, Billings, Montana 59103		8. FARM OR LEASE NAME Apache JVA	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface NE1/4NW1/4 850' FWL, 790' FSL At top prod. interval reported below At total depth Same		9. WELL NO. 2	
14. PERMIT NO.		DATE ISSUED	
15. DATE SPUDDED 9/20/77		16. DATE T.D. REACHED 9/30/77	
17. DATE COMPL. (Ready to prod.) 10/30/77		18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 7323' GR, 7335' KB	
19. ELEV. CASINGHEAD		20. TOTAL DEPTH, MD & TVD 7455	
21. PLUG, BACK T.D., MD & TVD 6207		22. IF MULTIPLE COMPL., HOW MANY*	
23. INTERVALS DRILLED BY ROTARY TOOLS 0-TD CABLE TOOLS		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 6007 - 6171	
25. WAS DIRECTIONAL SURVEY MADE no		26. TYPE ELECTRIC AND OTHER LOGS RUN Schlumberger FDC/CNL-GR, IES/I-GR, SNP, CBL	
27. WAS WELL CORED no		28. CASING RECORD (Report all strings set in well)	
CASING SIZE		WEIGHT, LB./FT.	
9-5/8"		36#	
7"		20#	
DEPTH SET (MD)		HOLE SIZE	
328'		12 1/2"	
3961'		8-3/4"	
CEMENTING RECORD		AMOUNT PULLED	
250 sacks			
700 sacks			
29. LINER RECORD		30. TUBING RECORD	
SIZE		TOP (MD)	
4 1/2"		3637	
BOTTOM (MD)		SACKS CEMENT*	
6274		482	
SCREEN (MD)		SIZE	
		2-3/8"	
DEPTH SET (MD)		PACKER SET (MD)	
6090		none	
31. PERFORATION RECORD (Interval, size and number) 6007, 6009, 6014, 6041, 6051, 6063, 6069, 6150, 6171		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
6007-6014:		250 gals. 15% HCl	
6041-6069:		250 gals. 15% HCl	
6150-6171:		250 gals. 15% HCl	
(see reverse side for frac information)			
33. PRODUCTION		DATE FIRST PRODUCTION 11/16/77	
PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing		WELL STATUS (Producing or shut-in) SI	
DATE OF TEST 10/30/77		HOURS TESTED 3	
CHOKE SIZE 3/4"		PROD'N. FOR TEST PERIOD OIL—BBL. GAS—MCF. WATER—BBL. GAS-OIL RATIO	
FLOW. TUBING PRESS. 235		CASING PRESSURE 605	
CALCULATED 24-HOUR RATE OIL—BBL. GAS—MCF. WATER—BBL. OIL GRAVITY-API (CORR.)		3,054	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To be sold		35. LIST OF ATTACHMENTS	
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.			
SIGNED Robert D. Ballantyne		TITLE Drilling Superintendent	
DATE 11/19/78			

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

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 83, 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 filed 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 83. 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 CORES, 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.
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Frac Information

6007-6171 : 60,000 gal MIN MAX containing
 19,500#, 100 mesh, 45,000# 10/20 sand
 565,000 SCF N₂

38. GEOLOGIC MARKERS

NAME	TOP	TRUE VERT. DEPTH
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Ojo Alamo	3410'	
Kirkland	3549'	
Fruitland	3650'	
Pictured	3830'	
Cliff	3927'	
Lewis		
Cliff House	5621'	
Menefee	5719'	
Point Lookout	6000'	
Mancos	6179'	
Gallup	7148'	
Base Gallup	7412'	
Total Depth	7452'	