

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____										7. UNIT AGREEMENT NAME																			
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. ESTVR. ☐ Other _____										8. FARM OR LEASE NAME Apache - JVA																			
2. NAME OF OPERATOR Palmer Oil & Gas Company										9. WELL NO. No. 4																			
3. ADDRESS OF OPERATOR P. O. Box 2564, Billings, Montana 59103										10. FIELD AND POOL, OR WILDCAT Blanco-Mesaverde																			
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface NW1/4SE1/4NE1/4 Sec. 20 1185' FEL, 1850' FNL At top prod. interval reported below same At total depth same										11. SEC., T., R., M., OM BLOCK AND SURVEY OR AREA Sec. 20-27N-2W																			
14. PERMIT NO.										DATE ISSUED																			
15. DATE SPOUDED 11/7/78										16. DATE T.D. REACHED 11/19/78																			
17. DATE COMPL. (Ready to prod.)										18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 7312' GL, 7324' KB																			
19. ELEV. CASINGHEAD										20. TOTAL DEPTH, MD & TVD 6265'																			
21. PLUG, BACK T.D., MD & TVD 6232' KB										22. IF MULTIPLE COMPL., HOW MANY*																			
23. INTERVALS DRILLED BY →										ROTARY TOOLS 0-TD																			
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 5718'-6208' - Mesaverde										25. WAS DIRECTIONAL SURVEY MADE no																			
26. TYPE ELECTRIC AND OTHER LOGS RUN Schlumberger FDC/CNL-GR, FDC-GR, SNP, I-GR										27. WAS WELL CORED no																			
28. CASING RECORD (Report all strings set in well)										AMOUNT PULLED																			
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED		AMOUNT PULLED		AMOUNT PULLED															
9-5/8"		36#		320' KB		13-3/4"		250 sx																					
7"		20#		4030' KB		8-3/4"		150 sx																					
29. LINER RECORD										30. TUBING RECORD																			
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)		SIZE		DEPTH SET (MD)		PACKER SET (MD)															
4-1/2"		3907'		6263'		450 sx				2-3/8"		6137 KB																	
31. PERFORATION RECORD (Interval, size and number) 5718, 5812, 5816, 5823, 5827, 5930, 5939, 6054, 6057, 6060, 6088, 6092, 6101, 6105, 6115, 6139, 6147, 6173, 6186, 6208 - 1 shot each										32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED 5718-6208 1000 gal. 15% HCL; 30,000# 100 mesh, 149,000# 10/20 sand, 40,000 gal. 2% gelled acid, 75,000 gal. Minimax-11 fluid, 1,214,000 scf N ₂																			
33.* PRODUCTION										34. DISPOSITION OF GAS (Bold, used for fuel, vented, etc.) to be sold																			
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) shut in 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					
12/18/78		3 hrs						3/4"		→		620						4,960											
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE		OIL—BBL.		GAS—MCF.		WATER—BBL.		DIP SENSITIVITY (CORR.)																	
386		821		→				4,960																					
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 12/20/78									
Robert D. Ballantyne																													

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