

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 _____				5. LEASE DESIGNATION AND SERIAL NO. Contract No. 102	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____				6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache	
2. NAME OF OPERATOR JOHN D. MURPHY CORPORATION				7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P.O. Box 408 Farmington, New Mexico 87401				8. FARM OR LEASE NAME Jicarilla	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 100 ft. from north line and 130 ft. from east line. At top prod. interval reported below 2420 ft. below. At total depth 2420 ft. below.				9. WELL NO. 20	
14. PERMIT NO. _____ DATE ISSUED _____				10. FIELD AND POOL, OR WILDCAT Jicarilla Natural Oil	
15. DATE SPUNDED 12/2/78		16. DATE T.D. REACHED 7/6/78		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 23, T-36N, R-4E, S.4E	
17. DATE COMPL. (Ready to prod.) 12/2/78		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 903 Gr.		12. COUNTY OR PARISH 10 Ariz.	
19. ELEV. CASINGHEAD 9500		20. TOTAL DEPTH, MD & TVD 1590'		21. PLUG, BACK T.D., MD & TVD 3203'	
22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY to 253'		24. ROTARY TOOLS to 253'	
25. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Pictured Cliffs 313' to 324'				26. WAS DIRECTIONAL SURVEY MADE NO	
27. TYPE ELECTRIC AND OTHER LOGS RUN Induction Electric, Compensated Density, and Son.				28. WAS WELL CORED NO	
29. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
4-1/2"	9.50	350'	3-7/8"	100 sacks	100
			6-1/4"	10 sacks	10
30. LINER RECORD					
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	
31. TUBING RECORD					
SIZE	DEPTH SET (MD)	PACKER SET (MD)			
	3502				
32. PERFORATION RECORD (Interval, size and number)					
33. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
DEPTH INTERVAL (MD)			AMOUNT AND KIND OF MATERIAL USED		
313' to 324'			300 lbs. of Needle Acid		
313' to 324'			7,000 gals. of water and		
			10,000# of 10-10 sand.		
34. PRODUCTION					
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing gas lift, pumping—size and type of pump) Flowing			WELL STATUS (Producing or shut in) Producing
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.
12/2/78		1/2"			
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.
35. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)					
36. LIST OF ATTACHMENTS					
37. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.					
SIGNED Rudy D. Moffo		TITLE Area Superintendent		DATE AUG 11 1978	

*(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.

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 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 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.)

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	TRUE VERT. DEPTH
Ojo Alamo		2205				
Fruitland	1300					
Pictured Cliffs	2005	3090				