

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 _____		JACOBINE Apache	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____		7. UNIT AGREEMENT NAME 	
2. NAME OF OPERATOR Manning Gas & Oil Company		8. FARM OR LEASE NAME Apache	
3. ADDRESS OF OPERATOR 102 Continental Oil Building, 1755 Glenarm Place, Denver, Colorado 80202		9. WELL NO. 100	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 435' FWL, 475' FWL At top prod. interval reported below Same At total depth Same		10. FIELD AND POOL, OR WILDCAT Lindrich Gallup-Dakota, NEP Sec. 3-T24N-R4W NBM	
14. PERMIT NO. OIL CON. COM.		12. COUNTY OR PARISH Rio Arriba New Mexico	
DATE ISSUED MAR 3 1972		13. STATE New Mexico	
15. DATE SPUDDED 1-4-72	16. DATE T.D. REACHED 1-22-72	17. DATE COMPL. (Ready to prod.) 2-15-72	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6689' KB
20. TOTAL DEPTH, MD & TVD 7602		21. PLUG, BACK T.D., MD & TVD 7562	19. ELEV. CASINGHEAD 6876'
22. IF MULTIPLE COMPL., HOW MANY*			23. INTERVALS DRILLED BY X
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 6422'-6614' Gallup 7307'-7542' Dakota			25. WAS DIRECTIONAL SURVEY MADE Yes
26. TYPE ELECTRIC AND OTHER LOGS RUN IHS, FDC			27. WAS WELL CORED No
28. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
8-5/8"	23.0	255	12-1/4
4-1/2"	11.60-10.50	7600	7-7/8
		CEMENTING RECORD	
		175 sacks	
		1125 sacks	
		AMOUNT FILLED	
		None	
		None	
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
None			
30. TUBING RECORD			
SIZE	DEPTH SET (MD)		PACKER SET (MD)
2-3/8	7501		None
31. PERFORATION RECORD (Interval, size and number)			
6422-30, 6434-42, 6454-68, 6480-86, 6508-12, 6518-26, 6578-84, 6588-96, 6600-14, 7307-26, 7334-42, 7376-85, 7467-75, 7512-18, 7526-42 1 hole/foot			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
6422-6614		Sandwater	
7307-7542		Sandwater	
33.* PRODUCTION			
DATE FIRST PRODUCTION 2-24-72		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flow	
WELL STATUS (Producing or shut-in) Shut in			
DATE OF TEST 2-29-72	HOURS TESTED 24	CHOKE SIZE 32/64	GAS-OIL RATIO 14,722
PROD'N. FOR TEST PERIOD →	OIL—BBL. 72	GAS—MCF. 1,060	WATER—BBL. 60
FLOW. TUBING PRESS. 150	CASING PRESSURE 440	CALCULATED 24-HOUR RATE →	OIL GRAVITY-API (CORR.) 58.1
DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Flared during test.		TEST WITNESSED BY Dwain N. Walsh	
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

TITLE

Petroleum Engineer
Consultant

DATE March 1, 1972

***(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.																																												
			<table border="1"> <thead> <tr> <th rowspan="2">NAME</th> <th colspan="2">TOP</th> </tr> <tr> <th>MEAS. DEPTH</th> <th>TRUE VERT. DEPTH</th> </tr> </thead> <tbody> <tr> <td>Ojo Alamo</td> <td>2602</td> <td>2602</td> </tr> <tr> <td>Kirtland</td> <td>2882</td> <td>2882</td> </tr> <tr> <td>Fruitland</td> <td>3010</td> <td>3010</td> </tr> <tr> <td>Pictured Cliffs</td> <td>3135</td> <td>3135</td> </tr> <tr> <td>Lewis</td> <td>3208</td> <td>3208</td> </tr> <tr> <td>Chacra</td> <td>3997</td> <td>3997</td> </tr> <tr> <td>Cliff House</td> <td>4782</td> <td>4782</td> </tr> <tr> <td>Manefee</td> <td>4808</td> <td>4808</td> </tr> <tr> <td>Point Lookout</td> <td>5298</td> <td>5298</td> </tr> <tr> <td>Mancos</td> <td>5422</td> <td>5422</td> </tr> <tr> <td>Callup</td> <td>6410</td> <td>6410</td> </tr> <tr> <td>Greenhorn</td> <td>7232</td> <td>7232</td> </tr> <tr> <td>Dakota</td> <td>7290</td> <td>7290</td> </tr> </tbody> </table>	NAME	TOP		MEAS. DEPTH	TRUE VERT. DEPTH	Ojo Alamo	2602	2602	Kirtland	2882	2882	Fruitland	3010	3010	Pictured Cliffs	3135	3135	Lewis	3208	3208	Chacra	3997	3997	Cliff House	4782	4782	Manefee	4808	4808	Point Lookout	5298	5298	Mancos	5422	5422	Callup	6410	6410	Greenhorn	7232	7232	Dakota	7290	7290
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