

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 <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> Other <u>Dual</u>		5. LEASE DESIGNATION AND SERIAL NO. NM 23047	
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. CESVR. <input type="checkbox"/> Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Dugan Production Corp.		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR Box 234, Farmington, NM 87401		8. FARM OR LEASE NAME Sherman Edward	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 2500' FNL - 510' FWL At top prod. interval reported below At total depth		9. WELL NO. 2A	
14. PERMIT NO.		DATE ISSUED	
15. DATE SPUDDED 7-12-76		16. DATE T.D. REACHED 8-1-76	
17. DATE COMPL. (Ready to prod.) 9-11-76		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6388' GR	
19. ELEV. CASINGHEAD ---		20. TOTAL DEPTH, MD & TVD 5721'	
21. PLUG, BACK T.D., MD & TVD		22. IF MULTIPLE COMPL., HOW MANY*	
23. INTERVALS DRILLED BY →		ROTARY TOOLS 0-5721'	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 3182-3366' Pictured Cliffs 5222-5539' Mesaverde		25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN Go International IES and Density		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"	24#	201'	12-1/4"
5-1/2"	15.5#	5764'	7-7/8"
CEMENTING RECORD		AMOUNT PULLED	
150 sx		None	
1st Stage 448 cu ft		None	
2nd Stage 810 cu ft		None	
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
		None	
30. TUBING RECORD		PACKER SET (MD)	
SIZE	DEPTH SET (MD)	5200'	
1-1/4"	3357'		
1-1/4"	5550'		
31. PERFORATION RECORD (Interval, size and number)			
PC - 1 hole/ft 3316-3366' & 3182-3222'			
MV - 1 hole @ 5222' 5242' 5365' 5444' 5464'			
5482' 5566' 5581' 5594' 5606'			
10 holes 5519-5539'			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
		See completion report for detailed information	
33.* PRODUCTION			
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	
		WELL STATUS (Producing or shut-in)	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD
PC 10-4-76	20	1/4"	Light Spray PC 481 AOF
MV 9-29-76	20	5/16"	Light Spray MV 1099 AOF
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL. GAS—MCF. WATER—BBL. GAS-OIL RATIO
PC 326	1191 SI	→	PC 481 AOF
MV 472	1150 SI	→	MV 1099 AOF
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)			
TEST WITNESSED BY F. S. Hamrick Northwest Pipeline			
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 <u>Thomas A. Dugan</u>		TITLE <u>Engineer</u> DATE <u>10-26-76</u>	

\*(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 INTERVAL ZONES OF POROSITY AND CONTENTS THEREOF; CORREL 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.																																			
			<div>38. GEOLOGIC MARKERS</div> <table border="1"> <thead> <tr> <th rowspan="2">NAME</th> <th colspan="2">TOP</th> </tr> <tr> <th>MEAS. DEPTH</th> <th>TRUE VENT. DEPTH</th> </tr> </thead> <tbody> <tr> <td colspan="3"><u>Log Tops</u></td> </tr> <tr> <td>Ojo Alamo</td> <td>2405'</td> <td></td> </tr> <tr> <td>Kirtland</td> <td>2642'</td> <td></td> </tr> <tr> <td>Fruitland</td> <td>2985'</td> <td></td> </tr> <tr> <td>Pictured Cliffs</td> <td>3170'</td> <td></td> </tr> <tr> <td>Lewis</td> <td>3393'</td> <td></td> </tr> <tr> <td>Cliff House</td> <td>5217'</td> <td></td> </tr> <tr> <td>Menefee</td> <td>5248'</td> <td></td> </tr> <tr> <td>Point Lookout</td> <td>5513'</td> <td></td> </tr> <tr> <td>Mancos</td> <td>5703'</td> <td></td> </tr> </tbody> </table>	NAME	TOP		MEAS. DEPTH	TRUE VENT. DEPTH	<u>Log Tops</u>			Ojo Alamo	2405'		Kirtland	2642'		Fruitland	2985'		Pictured Cliffs	3170'		Lewis	3393'		Cliff House	5217'		Menefee	5248'		Point Lookout	5513'		Mancos	5703'	
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