

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

(See other instructions on reverse side)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL ☐	GAS WELL ☒	DRY ☐	Other _____		
b. TYPE OF COMPLETION:		NEW WELL ☒	WORK OVER ☐	DEEP-EN ☐	PLUG BACK ☐		
			DIFF. RESVR. ☐	Other _____			
2. NAME OF OPERATOR Dugan Production Corp.							
3. ADDRESS OF OPERATOR Box 234, Farmington, NM 87401							
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1750' FNL - 1000' FEL At top prod. interval reported below At total depth							
14. PERMIT NO.			DATE ISSUED				
5. LEASE DESIGNATION AND SERIAL NO. NM 22046		6. IF INDIAN, ALLOTTEE OR TRIBE NAME					
7. UNIT AGREEMENT NAME							
8. FARM OR LEASE NAME Hard Deal							
9. WELL NO. 2							
10. FIELD AND POOL, OR WILDCAT Nipp-Pictured Cliffs							
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec 18, T26N, R12W							
12. COUNTY OR PARISH San Juan			13. STATE NM				
15. DATE SPUDDED 1-24-77	16. DATE T.D. REACHED 1-29-77	17. DATE COMPL. (Ready to prod.) 2-14-77	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5972' GR		19. ELEV. CASINGHEAD		
20. TOTAL DEPTH, MD & TVD 1320'	21. PLUG, BACK T.D., MD & TVD 1249'	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY →	ROTARY TOOLS 0-1320'	CABLE TOOLS		
24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)* 1118-1142' Pictured Cliffs					25. WAS DIRECTIONAL SURVEY MADE No		
26. TYPE ELECTRIC AND OTHER LOGS RUN Induction Electric					27. WAS WELL CORED No		
28. CASING RECORD (Report all strings set in well)							
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED		
5-1/2"	14#	37'	7-7/8"	6 sx	None		
2-7/8"	6.5#	1281'	4-3/4"	100 sx	None		
29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					1-1/4"	1134'	
31. PERFORATION RECORD (Interval, size and number) One 2-1/8" glass jet/ft 1134-1142' (8 holes) 1118-1126' (8 holes)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED						
	See completion report for detailed frac information.						
33.* PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) Flowing			WELL STATUS (Producing or shut-in) Shut-in		
DATE OF TEST 2-14-77	HOURS TESTED 3	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL--BBL. 646	GAS--MCF. 646	WATER--BBL.	
FLOW. TUBING PRESS. 220 SI	CASING PRESSURE 235 SI	CALCULATED 24-HOUR RATE →	OIL--BBL. 646	GAS--MCF. 646	WATER--BBL.	OIL GRAVITY-API (CORR.)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)					TEST WITNESSED BY		
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 Thomas A. Dugan		TITLE Petroleum Engineer			DATE 2-16-77		

*(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 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
				Log Tops		
				Kirtland	110'	
				Fruitland	827'	
				Pictured Cliffs	1116'	