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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
SUBMIT IN DUPLICATE*
(See other instructions 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 ☐											
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 P O Box 208, Farmington, NM 87401															
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1650' FNL - 1650' FEL At top prod. interval reported below At total depth															
14. PERMIT NO.				DATE ISSUED 10-8-81											
15. DATE SPUDDED 10-28-81				16. DATE T.D. REACHED 11-20-81		17. DATE COMPL. (Ready to prod.) 12-12-81									
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6743' GL				19. ELEV. CASINGHEAD											
20. TOTAL DEPTH, MD & TVD 5619'		21. PLUG, BACK T.D., MD & TVD 5586'		22. IF MULTIPLE COMPL., HOW MANY? single		23. INTERVALS DRILLED BY TD									
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 5353 - 5510, Gallup						25. WAS DIRECTIONAL SURVEY MADE NO									
26. TYPE ELECTRIC AND OTHER LOGS RUN IES, CDL, GR-CC1						27. WAS WELL CORED NO									
28. CASING RECORD (Report all strings set in well)															
CASINO SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED					
8-5/8"		24		211' RKB		12 1/4"		285 sx class B + 2% CaCl		---					
4-1/2"		10.5		5617' RKB		7-7/8"		243.5 cf 1st stage		---					
								1303 cf 2nd stage							
29. LINER RECORD								30. TUBING RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)		SIZE		DEPTH SET (MD)		PACKER SET (MD)	
None										2-3/8"		5447' RKB			
31. PERFORATION RECORD (Interval, size and number)								32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
5252-58, 3 holes				5384-92, 4 holes				DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED					
5282-92, 5 holes				5422-36, 7 holes				5252-5510		500 gal 15% HCL; 75,000# 20-40					
5302-12, 5 holes				5442-48, 3 holes						sand; 66,480 gal slickwater;					
5316-22, 3 holes				5502-10, 4 holes						88 gal Aquaflo, 250# FR-2					
5338-44, 3 holes				Total of 37 holes											
33.* PRODUCTION															
DATE FIRST PRODUCTION 12-28-81		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) swabbing						WELL STATUS (Producing or shut-in) Producing							
DATE OF TEST 12-29-81		HOURS TESTED 24		CHOKE SIZE swab test		PROD'N. FOR TEST PERIOD →		OIL—BBL. 109		GAS—MCF./day 60 est.		WATER—BBL. 35 frac water		GAS-OIL RATIO 550	
FLOW. TUBING PRESS. 0		CASING PRESSURE 500 psi		CALCULATED 24-HOUR RATE →		OIL—BBL. 109		GAS—MCF. 60 est.		WATER—BBL. 35 frac water		OIL GRAVITY-API (CORR.) 41°			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented during test										TEST WITNESSED BY Crane					
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>Petroleum Engineer</u> DATE <u>12-30-81</u>															

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

NMOCC

FARMINGTON DISTRICT
BY Sm

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	TOP	TRUE VERT. DEPTH
				Ojo Alamo	1367'		
				Kirtland	1553		
				Fruitland	1790		
				Pictured Cliffs	1946		
				Lewis	2050		
				Cliff House	2862		
				Menefee	3020		
				Point Lookout	4195		
				Mancos	4427		
				Gallup	5047		