

5 BLM
Form 3160-4
(November 1983)
(formerly 9-330)

1 mba 1 bw 1 lc 1 lf 1 mm
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE.
See other instructions on reverse side.

EXPIRE
NM-32124

LEASE DESIGNATION AND SERIAL
6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Calgary

9. WELL NO.

5

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., M., OR BLOCK AND SURVEY AREA

Sec. 6, T23N, R10W, NMPM

12. COUNTY OR PARISH

San Juan

13. STATE

NM

14. ELEV. Casinghead

6573'

CABLE TOOLS

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL:
OIL WELL GAS WELL
DRY Other

1b. TYPE OF COMPLETION:
NEW WELL WORK OVER DEEPEN
PLUG BACK DIFF. RESVR Other

2. NAME OF OPERATOR
DUGAN PRODUCTION CORP.

3. ADDRESS OF OPERATOR
P.O. Box 420, Farmington, NM 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1380' FSL & 660' FEL
At top prod. interval reported below
At total depth

14. PERMIT NO. 7-10-89
15. DATE SPILLED 7-23-89 16. DATE T.D. REACHED 7-27-89 17. DATE COMPL. (Ready to prod.) 8-8-89
18. ELEVATIONS (OF. RKB, RT, GR, ETC.)* 6573' GL; 6585' KB
20. TOTAL DEPTH, MD & TVD 4660' 21. PLUG, BACK T.D., MD & TVD 4607'
22. IF MULTIPLE COMPL., HOW MANY? →
23. INTERVALS DRILLED BY T.D.

24. PRODUCING INTERVAL(S) OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
4335' - 4525' (Gallup)

26. TYPE ELECTRIC AND OTHER LOGS RUN
Dual Induction - SFL; Formation Density; GR-CCL

28. CABING SIZE	WEIGHT, LB./FT.	Casing Record (Report all strings set in well)		Cementing Record	Amount
		DEPTH SET (MD)	HOLE SIZE		
8-5/8" OD	24#	222' RKB	12-1/4"	159 cu.ft. (135 sx class "B" + 2% C)	
4-1/2" OD	10.5#	4659' RKB	7-7/8"	1597 cu.ft. in 2 stages (1st st;	
200 sx 50-50 pos+2% gel & 1/2# celloflake/sk (254 cf)				2nd stage w/ 550 sx 65-35 + 12%	
celloflake & 100 sx 50-50 pos+2% gel & 1/2# celloflake/sk (1343 cf)) DV Tool @ 354	
29. SIZE	TOP (MD)	BOTTOM (MD)	LINER RECORD SACKS CEMENT*	30. SCREEN (MD)	Tubing Record
					4509' RKB
					PACKER

31. PERFORATION RECORD (Interval, size and number)
4335, 36-40 (10 holes), 41, 42, 43, 44, 55,
56, 58, 59, 63, 64, 65, 67, 78, 93, 4511,
12, 14, 17-21 (10 holes), 22, 25. Total of
40 holes - 0.34".

32. ACID. SHOT. FRACTURE. CEMENT SQUEEZE
DEPTH INTERVAL (MD)
4335'-4525'

AMOUNT AND KIND OF MATE
124,000 lbs 20/40
93,000 gals slick

33. DATE FIRST PRODUCTION
8-8-89*

DATE OF TEST
9-10-89 HOURS TESTED
FLOW. TUBING PRESS. 24 CHOKE SIZE
40 Casing Pressure CALCULATED
24-HOUR RATE

PRODN. FOR
TEST PERIOD
OIL-BBL. 52
GAS-MCF. 18

WATER-BBL. *40
TEST WITNESSES
Goul

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Sold.

35. LIST OF ATTACHMENTS
*1st new oil swabbed to tank.
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available r

SIGNED *Jim L. Jacobs* TITLE Geologist
*See Instructions and Spaces for Additional Data on Reverse Side)

**Water is frac fluid.
**makes it a crime for any person knowingly and willfully to make to any depart
or representations as to any matter within its jurisdiction.

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	TOP
				MEAS. DEPTH	TRUE VERT. DEPTH
Fruitland				630'	
Pictured Cliffs				923'	
Lewis				1000'	
Cliff House				1460'	
Menefee				1550'	
Point Lookout				3255'	
Mancos				3453'	
Gallup				4115'	