

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

(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. CENVE ☐ 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

660' FNL & 1980' FWL

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

API#30-045-27441

8-1-89

15. DATE SHUDDER

3-6-90

16. DATE T.D. REACHED

3-10-90

17. DATE COMPL. (Ready to prod.)

4-23-90

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

6575' GL; 6587' RKB

19. ELEV. CASINGHEAD

6575'

20. TOTAL DEPTH, MD & TVD

4646'

21. PLUG, BACK T.D., MD & TVD

4599'

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

T.D.

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

4384' - 4560 - Gallup

25. WAS DIRECTIONAL SURVEY MADE
NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

Induction Guard Log; Compensated Density; GR-CCL

27. WAS WELL CORRED
no

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8" OD	24#	226'	12-1/4"	177 cf (150 sx class "B" + 2% CaCl ₂)	---
4-1/2" OD	10.5#	4646' RKB	7-7/8"	1511 cf in 2 stages (1st stage w/ 12% gel & 1/4# celloflake/sk & 50 sx 50-50 pos+2% gel & 1/4# celloflake/sk = 254 cf. 2nd stage w/ 540 sx 65-35 12% gel & 1/4# celloflake/sk = 1257 cf.) DV tool @ 3599'.	---

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	4546' RKB	

31. PERFORATION RECORD (Interval, size and number)

4550,52,53,54,55,56,57,58,59,60 (all 2 JSPF), 4398,99,4400,09,19,20,33 (all 1 JSPF), 4334,85,86,87,88,39 (all 2 JSPF). Total 39 holes.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4384-4560	124,000 # 20/40 sand
	93,000 gals slickwater
	500 gals 15% HCL

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
4-23-90		Pumping				producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
4-25-90	20.5	---	→	17	5	50	294
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
pumping	40	→	20	6	*59	40°	

COPIED FROM RECORD

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

Sold - and used for fuel

ACCEPTED FOR RECORD
Gould

MAY 01 1990

35. LIST OF ATTACHMENTS

*Note: water is frac fluid.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from

SIGNED

Jim L. Jacobs

TITLE

Geologist

BY

DATE

4-2-90

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

I hereby certify that the foregoing and attached information is complete and correct as determined from

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):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
				Fruitland	720'	
				Pictured Cliffs	956'	
				Lewis	1100'	
				Upper Menefee		
				Tongue	1694'	
				Cliff House	2100'	
				Menefee	2310'	
				Point Lookout	3338'	
				Mancos	3520'	
				Gallup	4150'	

38. GEOLOGIC MARKERS