

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE:

(Other instructions on  
reverse side)FORM APPROVED  
OMB NO. 1004-0137

Expires: February 28, 1995

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

## 1.a. TYPE OF WELL:

OIL  
WELL ☐GAS  
WELL ☒DRY ☐

OTHER

## b. TYPE OF COMPLETION:

NEW  
Well ☒WORK  
OVER ☐DEEP-  
EN ☐PLUG  
BACK ☐DIFF.  
CENTR. ☐

OTHER

## 2. Name of Operator

Dugan Production Corp.

## 3. Address and Telephone No.

P.O. Box 420, Farmington, NM 87499 (505) 325-1821

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface 545' FNL &amp; 1,215' FWL (NW/4 NW/4)

At top prod. interval reported below

same

At total depth

same

14. PERMIT NO.

DATE ISSUED

Pan American Federal #2

9. API Well No.

30-045-30918

10. FIELD AND POOL, OR WILDCAT

Harper Hill FR Sand PC

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

Unit D

Sec. 24, T30N, R14W

12. COUNTY OR PARISH

San Juan

13. STATE

NM

15. DATE SPUN

6/10/2002

16. DATE T.D. REACHED

6/18/2002

17. DATE COMPL.

(Ready to prod.)

6/28/2002

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

5,877' GL

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD &amp; TVD

1,755'

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

1,703'

22. IF MULTIPLE COMPL.

HOW MANY

23. INTERVALS

DRILLED BY

ROTARY TOOLS

TD

CABLE TOOLS

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

1,471'-1,474'; 1,512'-1,518'; 1,542'-1,546'; 1,577'-1,583; 1,612'-1,620'

25. WAS DIRECTIONAL SURVEY MADE

no

26. TYPE ELECTRIC AND OTHER LOGS RUN

GR-CCL-CNL

27. WAS WELL CORED

no

## 28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8"	23	126'	11"	88.5 cu. ft. Class "B" neat w/ 2%CaCl <sub>2</sub> w/1/4# celloflake/sx.	
5-1/2"	14	1,748'	7"	206 cu. ft 2% Metasilicate (Lodense) w/1/2# celloflake/sx.	
				Tail: 94.4 cu. ft. Class "B" neat w/1/4#sx. celloflake	
				Total: 388.9 cu. ft. 300	

## 29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SBT (MD)
					2-3/8"	1,521'	

## 31. PERFORATION RECORD (Interval, size and number)

Perforated the Fruitland Sand & Pictured Cliffs  
from 1,471'-1,620' with 4/spf  
(total 108 holes)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
1,471'-1,620'	400 gal. 10% Formic acid w/Prosurf II, I-1L, & CIA-1
	41,300 gal. AmBor Max 1020 gel;
	45,000# 20-40 Brady sand; 40,000# 20-40 resin
	sand

## 33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)					WELL STATUS (Producing or shut in)	
N/A		Flowing					Shut in	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS - OIL RATIO	
7/2/2002	24 hrs	3/4"	————→	0	100	200	N/A	
FLOW TUBING PRESS	CASING PRESSURE	CALCULATED 24 - HOUR RATE	OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY - API (CORR.)		
10	150	————→	1	100	200	N/A		

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

Vented - to be sold

TEST WITNESSED BY

ACCEPTED FOR RECORD

## 35. LIST OF ATTACHMENTS

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

SIGNED

Terry Kochis

Title Petroleum Engineer

Date

JUL 11 2002

7/5/2002

FARMINGTON FIELD OFFICE

BY

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

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 on 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/McDermott			surface
Kirtland			134'
Fruitland			1,342'
Pictured Cliffs			1,612'
TOTAL DEPTH			1,755'