Form 9-331
Dec. 1973

5 MMS, Fmn

1 File

Form Approved.
Budget Bureau No. 42-R1424

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☐ gas well ☒ 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. See space 17 below.)
AT SURFACE: 1450' FSL - 1000' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
NM 0558652A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Wayout

9. WELL NO.
1

10. FIELD OR WILDCAT NAME
Wildcat - Pictured Cliffs

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec 5 T27N R13W

12. COUNTY OR PARISH
San Juan

13. STATE
NM

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5962' GL

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	☐		☐
FRACTURE TREAT	☐		☐
SHOOT OR ACIDIZE	☐		☐
REPAIR WELL	☐		☐
PULL OR ALTER CASING	☐		☐
MULTIPLE COMPLETE	☐		☐
CHANGE ZONES	☐		☐
ABANDON*	☐		☐
(other)			

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U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

This well was being produced by well-head compression. Production has declined to a point where well-head compression is no longer economical. However, El Paso Natural Gas Co. is in the process of installing a low pressure system in the area which will make it possible to produce this well at a profit.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED _____ TITLE Agent DATE 4-14-82

ACCEPTED FOR RECORD

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

APR 22 1982

FARMINGTON DISTRICT
BY _____

NMOCC

*See Instructions on Reverse Side

LTR

Job separation sheet

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FRACTURE TREAT	☐	☐
SHOOT OR ACIDIZE	☐	☐
REPAIR WELL	☐	☐
PULL OR ALTER CASING	☐	☐
MULTIPLE COMPLETE	☐	☐
CHANGE ZONES	☐	☐
ABANDON*	☐	☐
(other)		XX

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FARMINGTON, N. M.

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

Test and production data per your request.

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

11-29-82 One Point Back Pressure Test witnessed by Doug Campbell and Marko Keeman - copy attached for your reference.

Shut in tubing pressure 231 psig; shut in casing pressure 248 psig

3 hr. flow rate 62 MCF/d
CAOF 63 MCF/d

NOTE: Shut in casing pressure on 12-9-75 was 271 psig.
Well was first delivered 9-22-76.
Cummulative Production to 1-1-82 was 50,753 MCF.

DEC
OIL

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED T. A. Dugan TITLE Petroleum Engineer DATE 11-30-82
Thomas A. Dugan

ACCEPTED FOR RECORD
(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

DEC 03 1982

FARMINGTON
BY JAK

NMOCC

*See Instructions on Reverse Side

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

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U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

Type Test: ☐ Initial ☐ Annual ☒ Special — Test Date: 11-29-82

Company: Dugan Production Corp.	Connection:	Unit:	
Pool: WAW	Formation: Pictured Cliffs		
Completion Date: 12-1-75	Total Depth: 1480	Plug Back TD: 1420	Elevation: 5962' G.L.
Farm or Lease Name: Wayout			
Csg. Size: 2 7/8 / Wt.: 6.4 / d: 2.441 / Set At: 1459	Perforations: From 1343 To 1357	Well No.: 1	
Tbg. Size: 1 1/4 / Wt.: 2.4 / d: 1.380 / Set At: 1360	Perforations: From open ended To	Unit: L / Sec.: 5 / Twp.: 27N / Rge.: 13W	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single Gas	Packer Set At: None	County: San Juan	
Producing Thru: Tbg	Reservoir Temp. °F:	Mean Annual Temp. °F:	Baro. Press. – P_a: 12 Est
State: New Mexico			

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
		0.644						

FLOW DATA

NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA Press. p.s.i.g.	TUBING DATA Temp. °F	CASING DATA Press. p.s.i.g.	CASING DATA Temp. °F	Duration of Flow
SI							231		248		
1.	2"		7/16	4.5				45	50		1 hr
2.											
3.	2"		7/16	4.0				45	24		2 hrs
4.											
5.	2"		7/16	3.2				45	26		3 hrs

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	4.1712		16.5	1.0147	0.9645	1.00	67
2.							
3	4.1712		16.0	1.0147	0.9645	1.00	65
4.							
5.	4.1716		15.2	1.0147	0.9645	1.00	62

NO.	P_t	Temp. °R	T_f	Z
1				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A.
Critical Temperature _____ R

P_c 260 P_c^2 67600

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1				
2				
3		38	784	66816
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0117$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.01$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n =$ _____

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DEC 3 1982
OIL CON. DIV.
DIST. 3

Absolute Open Flow 63 Mcfd @ 15.025 — Angle of Slope θ _____ — Slope, n 0.85

Remarks: Light Spray Water
Witness by Doug Campbell and Marko Keenan

Approved By Division | Conducted By: | Calculated By: | Checked By: