NEW MEXICO OIL CONSERVATION COMMISSION

Date

7-3-58

SANTA FE, NEW MEXICO

APPLICATION FOR I	DUAL COMPLETION
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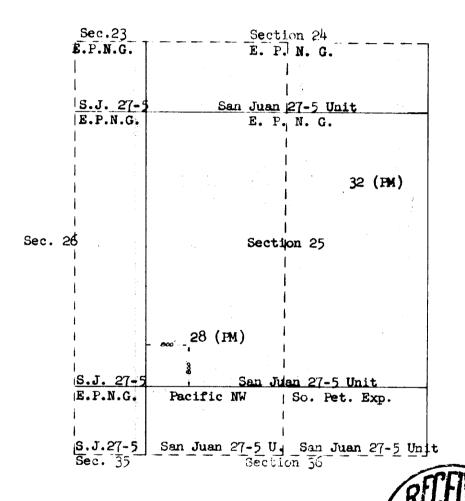
County

Field Name	P. C.	County Bio Arriba	De	ate
Operator El Page Maturel Cas Count	Lease	Sen Jeen 27-5 Unit	. 1	ell No. 26 (24)
Location Unit S	ection	Township	R	ange
of Well	25	E(E		
l. Has the New Mexico Oil Conservation		ofore authorized the dual compl	letion of a well in	these same pools or in the same
zones within one mile of the subject v		NO		
2. If answer is yes, identify one such in:			, Lease, and Well	i No.:
Il Jago Haberal Gas Co. 6	ion Joseph 27-5	Wait #35 (3%)		
				
3. The following facts are submitted:		Upper Zone		Lower Zone
N. C. L.	Di ma	man (C) 4 (C)	 	Mana Verde
a. Name of reservoir	P169	many estimate		
b. Top and Bottom of				
Pay Section	14.7	6-3514	5586-	5756 (Point Lecturet)
(Perforations)	341			Gen.
c. Type of production (Oil or Gas) d. Method of Production		<u> </u>		
(Flowing or Artificial Lift)	The state of the s	Wing		Floring
4. The following are attached. (Please	nark YES of NO)			
5. List all offset operators to the lease of the Page Setural Cas Co. 1		to located together with their C	REL	
			02,1	
	····		∕on coi	· · · · · · · · · · · · · · · · · · ·
			DIS.	г. з
	<u> </u>		`	
	•			
6. Were all operators listed in Item 5 about of such notification	ve notified and fu	mished a copy of this applicati	on? YES No	O <u>a.</u> . If answer is yes, give date
	Kappolisik	Division Setador S	house 1	Ri Page Material See Co.
CERTIFICATE: I, the undersigned, s	tate that am the	Bivielan Petrolom I		
(compounder my supervision and direction and the	uny), and that I am	authorized by said company to	omplete to the he	; and that this report was prepared est of my knowledge. SIGNED E.S. OBERLY
				ature
Should waivers from all offset op Commission will hold the applica	erators not accomp	any an application for administ f twenty (20) days from date of	trative approval,	the New Mexico Oil Conservation
	protest nor request	for hearing is received by the	Santa Fe office,	the application will then be processed

producing zones, then separate application for approval of the same should be filed simultaneously with this application.

PLAT SHOWING LOCATION OF DUALLY COMPLETED El Paso Natural Gas Co. San Juan 27-5 Unit No. 28 (PM) and Offset Acreage

T-27-N, R-5-W



EL PASO NATURAL GAS COMPANY

OIL CON. COM

SCALE DATE No.

FORM 7-132 (10-56)

EL PASO NATURAL GAS COMPAN

OPEN FLOW TEST DATA

DUAL COMPLETION

DATE August 27, 1958

Operator El Paso Natural Gas			San Juan 27-5 Unit 28-(M)		
8008, 800W; 2	25-27-5		Rio Arriba	New Mexico	
Formation			Pool		
Mesa Verde			Blanco MV		
Casing: Diameter	Set A	t; Feet	Tubing: Diameter	Set At: Feet	
7-9	5/8	3634	2**	5689	
Pay Zone: From	To		Total Depth:		
569	56	5756	5798 c/o 5771 Flow Through Casing	Shut-in 8/14/58 Flow Through Tubing	
Stimulation Method	·		Flow Through Casing	Flow Through Tubing	
Sand Water! Frac.				· · · · · ·	

Choke Size, Inches		Choke Consta	nt: C			
.79	5		12.365	5-1/2 liner 3569	- 5796	
Shut-In Pressure, Casing,	PSIG	- 12 = PSIA	j Days Shut-In	Shut-In Pressure, Tubing		
913	APC)	923	13	(MV) 1107	1119	
Flowing Pressure: P	PSIG	- 12 = PSIA		Working Pressure; Pw	PSIG - 12 = PSIA	
201	<u> </u>	<u> </u>	216	Calc.	431	
Temperature: T	F	n =		Fpv (From Tables)	Gravity	
70)	•	.75	1.023	.709	

Initial (PC)SIPT = 911 psig Final (PC) SIPC = 919 psig Packer at 3622

CHOKE VOLUME = Q C x P, x F, x Fg x Fpv

Q 12.365 x 216 x .9905 x .9225 x 1.023 = 2497 MCF D

OPEN FLOW Acf Q
$$\left(\begin{array}{c} 2 \\ \frac{P_c}{2} \\ P_c - P_w \end{array}\right)^n$$

1252161 (1.1741)** (2497) = (1.1280)(2497)
1066400

Aof **2817** • MCF D

THESTER HY. S. V. Roberts

WITNESSET IV T. H. McRlvain



Lewis Halloway.

OPEN FLOW TEST DATA

DUAL COMPLETION

DATE September 3, 1958

El Paso Natural Gas Location 8008, 800W; 25-27-5 Formation Pictured Cliffs		San Juan 27-5 Unit 28 (P)		
		County Rio Arriba	State New Mexico	
		Pool Tapacito PC		
Casing Diameter 7-5/8 Set At: Feet 3634		Tubing: Diameter	Set At: Feet 3505	
Pay Zone: From	3476	3514	Total Depth: e/o 5771 5798	Shut-in 8/14/58
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing	

Chake Size, Inches			Choke Constant	C]	~	
.75			12.365		5-1/2 liner 3569 - 5796		5796
Shut-In Pressure, Casing		PSIG (PC)	- 12 = PSIA 957	Days Shut-in 20 (PC)	Shut-in Pressure, Tubing 945 (1	PSIG	<u>-</u> 1.3
Flowing Pressure: P	714	PSIG	- 12 = PSIA 726	,	Working Pressure: Pw 755	PSIG	- 12 - PSIA 767
Temperature: T	75	F	.85		Fpv (From Tables; 1.070		Gravity .663

Initial SIPT (NV) = 1112 psig Final SIPT (NC) = 1120 psig

Packer at 3622 2" at 5689

CHOKE VOLUME = Q = C x P, x F, x Fg x Fev

Q = 12.365 x 726 x .9859 x .9535 x 1.070

- 9,030 MCF /D

OPEN FLOW Apf Q
$$\left(\begin{array}{c} \frac{2}{P_c} \\ \frac{P_c}{P_c - P_w} \end{array}\right)^n$$

 $(2.7959)^{\cdot 88} (9030) = (2.396)(9030)$

Asf . _ _ 21,636 _ _ MCF D

TESTERO GY. S. V. Roberts



Lewis D. Lalloway.

EL PASO NATURAL GAS COMPANY

P. O. Box 997
Farmington, New Mexico

September 3, 1958

Mr. E. C. Arnold Oil Conservation Commission 1000 Rio Brazos Road Aztec, New Mexico

Pictured Cliffs

PC SIPT

for 3 hours with the following data obtained:

PC SIPC 945

MV SIPT 1112

945

Re: Packer Leakage Test on the El Paso Natural Gas
Company Well, San Juan 27-5 Unit 28 (PM).
8008, 800W; 25-27-5; Rio Arriba, New Mexico
(Name - Location - Company)

September 3, 1958

days

with a 3/4" choke

DIST. 3

Dear Mr. Arnold:

		upleted in the Pictur		Mesa Verde
zones and a pa through a 3/4"	cker was set at 3622 choke for three hour	feet. The Mesa Ve a August 27, 1958 vi	rde zone was t th the following dat	
	PC SIPC 911	psig; Shut-in 12	days	
	PC SIPT 913	ppig;		
	MV SIPT 1107	psig; Shut-in 13	days	
Time	(MV) Flowing Pressure	400. 100. 40. 10. 10.	MV) Working	0
Minutes	Tubing Psig	(PC) SIP (C) Psig	Pressure, Psig	Temp F
0		911		
15	387	912		67
30 45 60	3 5 6	912		67
45	32 2	912		67
	284	913		68
18 0	204	919	Calc. 419	70
The choke	volume for the Mesa	Verde was 249	7 MCF/D with an AOF	of

zone was tested

psig;

psig; Shut-in

psig; Shut-in _

Page Two

September 3, 1958

Time Minutes	(PC) Flowing Pressure Casing Psig	(NY) SIP (T) Paig	(PC) Working Pressure, Psig	Temp O F
0 15 30 45 60 180	824 804 791 786 714	1112 1115 1115 1116 1120	755	64 68 70 72 75

The choke volume for the <u>Pictured Cliffs</u> test was <u>9030</u> MCF/D with an AOF of <u>21,636</u> MCF/D.

The results of the above tests indicate there is no packer leakage.

Very truly yours,

H. L. Kendric Gas Engineer

HLK/nb

cc: W. M. Rodgers

E. S. Oberly (6)

File