OIL CONSERVATION COMMISSION 1000 Rio Brazos Rd. Aztec, New Mexico

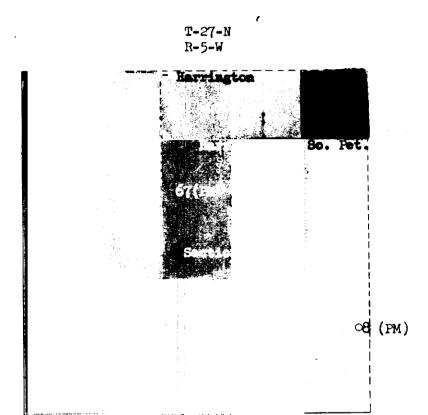
DATE

		12-	J - 4	
OIL CONSERVATION COMMISSION	RE:	Proposed	NSP	
BOX 871 SANTA FE, NEW MEXICO		Proposed	NSL	
		Proposed	NFO	
		Proposed		•
		. Topooca		
Gentlemen:				
I have examined the application dated	8			-
for the FONC SINGS THE CO. B. 31. Operator Lease and Well No.	27W	5.4/		_
Operator Lease and Well No.	5-1-K			
and my recommendations are as follows:				
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		<u>,</u>	<u></u>	_
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Yours very truly,	ā			
OF PROPERTY OF CO	MALES TO)N		
OF FORSER STORES				

APPLICATION FOR DUAL COMPLETION

	ctured Cliffs &	Rio Arriba	Hovesbe:	· 30, 1 <u>/ 11</u>
erator	Lease		Well No.	.=\
El Pago Mateural Cas Co		Township	Range	<u> </u>
cation Unit	Section	Township	- Industry	
Has the New Mexico Oil Conservat	Garage Language Company	authorized the dual completion	of a well in these sam	e pools or in the same
		authorized the dear completion	of a well in these sam	e poors or in the same
zones within one mile of the subject		58 · Operator Lea	ise, and Well No.:	
If answer is yes, identify one such	instance: Order No.	, Operator, Lea	ise, and well work	
El Paso Hatural Gas Co	mpany San Juan 27-5	5 Unit #34 (PM)		
The following facts are submitted:			,	· PP: 11
	Upper	r Zone	Lower 2	Zone O
a. Name of reservoir	Pictured Cliffs	5	Mona Verde	Vrn.
5. Top and Bottom of				DFC8 190.
Pay Section	31.06 - 31.52		4810 - 5378	1200
(Perforations)				CIL CO
c. Type of production (Oil or Gas)	Ges		Gas	- DIST
d. Method of Production				
(Flowing or Artificial Lift)	Floring		Floring	
The following are attached. (Plea	se mark YES of NO)			
been furnished copies of d. Electrical log of the we thereon. (If such log is	the application.* ell or other acceptable log w not available at the time app	rith tops and bottoms of produ	cing zones and interval	s of perforation indicated
been furnished copies of been furnished copies of d. Electrical log of the we thereon. (If such log is List all offset operators to the lea T. F. Barrington, c/o	such dual completion from earthe application.* ell or other acceptable log wo not available at the time application which this well is loc T. H. Harrington.	with tops and bottoms of production is filed, it shall be stated together with their correction, 708 - 44th St.,	cing zones and interval submitted as provided b or mailing address.	s of perforation indicated by Rule 112-A.)
been furnished copies of d. Electrical log of the we thereon. (If such log is List all offset operators to the lea	such dual completion from earthe application.* ell or other acceptable log wo not available at the time application which this well is loc T. H. Harrington.	with tops and bottoms of production is filed, it shall be stated together with their correction, 708 - 44th St.,	cing zones and interval submitted as provided b or mailing address.	s of perforation indicated by Rule 112-A.)
been furnished copies of been furnished copies of d. Electrical log of the we thereon. (If such log is List all offset operators to the lea T. F. Berrington, c/o	such dual completion from earthe application.* ell or other acceptable log wo not available at the time application which this well is loc T. H. Harrington.	with tops and bottoms of production is filed, it shall be stated together with their correction, 708 - 44th St.,	cing zones and interval submitted as provided b or mailing address.	s of perforation indicated by Rule 112-A.)
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been furnished copies of been furnished copies of d. Electrical log of the we thereon. (If such log is List all offset operators to the lea T. F. Extrageon, C.O James Swift, Attorney Scuthern Petruleum Ex Were all operators listed in Item 5 of such notification	such dual completion from earthe application.* ell or other acceptable log we not available at the time application on the second which this well is located. For G. P. Harrington, for G. P. Harrington, above notified and furnished and state that I am the company), and that I am authout that the facts stated there	da copy of this application? Petroleum Roy. Petroleum Roy. Petroleum Roy.	yes No I of the best of my ke this report; and that the et to the best of my ke Company of the Signature of approval, the New Me	f answer is yes, give date this report was prepared nowledge.

PLAT SHOWING LOCATION OF DUALLY COMPLETED El Paso Natural Gas Co. San Juan 27-5 Unit No. 67 (PM) and Offset Acreage





EL	PASO NATURAL GAS COMPANY	
	2.2 2 430, 2 2 43	
SCALE	DATE No.	

OPEN FLOW TEST DATA

DUAL COMPLETION

DATE Movember 2, 1961

Operator El Paso Natural Gas	Company	San Juan 27-5 No.	67 (MV)
ocation		County	State
990'N, 1560'E, Sec.	31-27N-5W	Rio Arriba	New Mexico
ormation		Paol	· · · · · · · · · · · · · · · · · · ·
Mesa Verde		Blanco	
	Set At: Feet 3275	Tubing: Diameter 2-1/16 ⁴ 0.D., 3.25	Set At: Feet
		Total Depth;	: Shut In
4810	5378	5550 c/o 5520	9-12-61
Stimulation Method	***	Flow Through Casing	Flow Through Tubing
Sand/Water Frac.			X

Chake Size, Inches	Choke Constant:	C	
0.750	12.36	5 4-1/2" 0.D. 9.5 1b	s. Liner 3163 to 5550
Shut-fit Pressure, Casing,	PSIG - 12 PSIA 1043	Days Shut-In Shut-In Pressure, Tubing 51 1065 (MV)	PSIG 12 PSIA 1077
Flowing Pressure: P 263	PSIG + 12 - PSIA 275	Working Pressure: Pw (Calc.)	PSIG + 12 - PSIA 718
Temperature:	1.0010 .75	Fpv (From Tables) 1.028	Gravity .653 Fa .9608

Initial SIPT (PC) = 976 psig Final SIPC (PC) = 1035 psig

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

Q (12.365)(275)(1.0010)(.9608)(1.028)

3362 MCF. D

OPEN FLOW Asf Q
$$\begin{pmatrix} & & & & \\ & & P_c & & \\ & & P_c & P_w^2 & \end{pmatrix}$$

Asf
$$\begin{pmatrix} 1,159,929 \\ 644,405 \end{pmatrix}$$
 (3362)(1.8000)** = (3662)(1.5540)



Apf **5691**

5691 MCF D

NOTE: Blew medium fog of water and distillate throughout test.

INSVED BY Dannie Roberts

WITNESSED BY

Calculated by: W. D. Dawson

Jewis D. Galloway

OPEN FLOW TEST DATA

DUAL COMPLETION	DATE Novembe	er 14, 1961
	Lease San Juan 27-5 No.	
990'N, 1560'E, Sec. 31-27N-5W	Rio Arriba	New Mexico
Pictured Cliff Casing Contact Set At Feet	So. Blanco PC	
7" 0.D. 20.0 lbs. 3275	1-1/4" O.D. Total Cepts.	Set Att Feet 3129 Section
3152 Street to Method	5550 C/0 5520	9 -12-61 Flow Inrough Tubing
Sand/Water Frac.	x	
0.75 12.365 0 to company (1.38 g) 0.80 g)	4-1/2" 0.D. 9.5 lbs. Prod. Pkr. at 3353	
(PC) 1038 1050 63	Protein Presture, 1 bing Protein Prote	968
Fig. 12 1.3	Morking Pressure: Ps	SIG - II PSIA
Fance stora.	Fix From Tables	131 Gravit
55 1.0048 .85	1.009	.650 'ଃ .96 0ଥ
Initial SIPT (MV) = 1067 psig Final SIPT (MV) = 1066 psig	(1.009)	1204 MCF 0
1,305,339	(1.0158) ^{.85} = (1204)(1.0	RECEIVED
Apt 122 0 MCF D		DEC8 190M. OIL CON. COM. DIST. 3

R. F. Headrick

Calculated by: W. D. Dawson

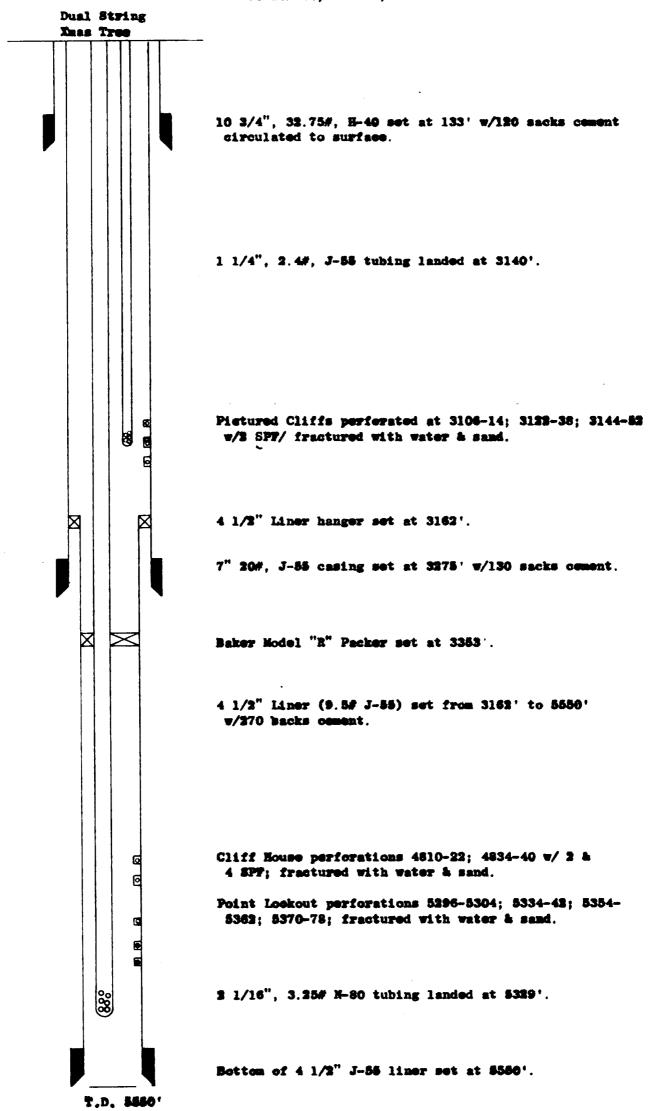
A TAPLET

W MEXICO OIL CONSERVATION COMMIS IN NORTHWEST NEW MEXICO PACKER - LEAKAGE TEST

FORM PL-NW-1 REVISED 6-1-59

Operator .			ease		Well No.
El Paso I	etural Gas Co		San Juan	27-5	67 (PM)
Unit B Sec. 31	Twp 27 R	ge 5 Rio Am	Initia	al 11-14-61 Lift Prode	Annual
UPPER Name of	f Reservoir or Pool	Oil or Ges	Flowing or Artificial	Lift Produ	cing Casing or Tubing
COMPLETION: Pi	ctured Cliff	Gas	Flowing		Casing
LOWER Name o	f Reservoir of Pool	Oil or Gas	Flowing or Artificial	Lift Produ	cing Casing or Tubing
COMPLETION: Me	sa Verde	Gas	Flowing		Tubing
i	SHU	T-IN PRESSURE DAT	A BEFORE FLOW	Y TEST NO. 1	
UPPER Hour &		Longth of Time Sh			Stabilized Pressure
		Leneth ((DDECO(No)
LOWER Flour &	Date Well Shut-in	Length of Lorenz	rai-in Shut-	n - o . s ure, YSia	Stabilized Pressure
COMPLETION: 9-	T5-0T		.	1065	(NECOT No)
FLOW TEST NO. 1		Zone Producing (Ipper or Lower)		te Flow Started
LAPSED TIME	SHUT-IN ZONE	WORKING COLUMN	Lower FLOWING ZONE		11-2-61
		PRESSURE, PSIG	PRESSURE, PSIG	TEMPERATURE	REMARKS
		.,.	_,_		
15 min.	1035		348	54	
30 min. 45 min.	1035		322 29 7	5 ¹ 4 55	
60 min.	エロシラ		278	55	
180 min.	1035	(Calc.) 706	26 3	5 9	
					1
	L		<u>.</u>		
OIL PRODUCED	Total Bbis.	Number Hours	Oil Rate:		s Cil Ratio
•	Rate of Flow	Tested Through		<u>D</u>	THE THE THE
GAS PRODUCED	3362 MCF I	(Choke gaddets)	<u> </u>		OSITIVED /
REMARKS:				ł	Mron.
					DEC8 1961
					CON COM!
					OIL COST. 3
	SHU	T-IN PRESSURE DAT	A BEFORE FLOV	WIEST NO. 2	
or ren	Late Well Shut-in	Length of Time Sh		-in Pressure, PSIG	Stabilized Pressure
COMPLETION: 9-	12-61 frate Well Shut-in	Length of Time St	i	-in Pressure, PSIG 038(C) 956(T)	Stabilized Pressure No) Stabilized Pressure
COMPLETION: 9-	12-61	63 days	state state		MECOX No)
COMPLETION: Q- LOWER HOURA COMPLETION: 11	12-61 Frate Well Shut-In -2-61	63 days	State)38(c) 956(t) 106 7	Stabilized Pressure
COMPLETION: 9-	12-61 Frate Well Shut-In -2-61	63 days	State	1067	Stabilized Pressure
COMPLETION: 9- LOWER HOUTE COMPLETION: 11 FLOW TEST NO. 2	12-61 Fate Well Shut-in -2-61 FLOWING ZONE	20 days	pper or Lower) Upper SHUT-IN ZONE	1067 Hour & Da	Stabilized Pressure (NO) Stabilized Pressure (NO)
COMPLETION: 9- LOWER HOUSE COMPLETION: 11 FLOW TEST NO. 2	12-61 Fate Well Shut-in -2-61 FLOWING ZONE	20 days	i 10 at-in State i pper or Lawer))38(C) 956(T) 1067 Hour & Da	Stabilized Pressure No) Statilized Pressure No) Statilized Pressure No)
COMPLETION: QLANGE COMPLETION: 11 FLOW TEST NO. 2 LAPSED TIME SINCE FLOW BEGAN	12-61 FLOWING ZONE PRESSURE, PSIG	63 days 12 days Zone traducing (I	pper or Lawer Upper SHUT-IN ZONE PRESSURE, PSIG	1067 Hour & Do FLOWING TEMPERATURE	Stabilized Pressure No) Statilized Pressure No) Statilized Pressure No)
COMPLETION: GLOWER HOUTEN COMPLETION: 11 FLOW TEST NO. 2 LAPSED TIME SINCE FLOW BECAN 15 min. 30 min.	12-61 FLOWING ZONE PRESSURE, PSIG	Zone Haddering (U NO RKING COLUMN PRESSURE, PSIG	Upper SHUT-IN ZONE PRESSURE, PSIG	1067 Hour & Da Howing TEMPERATURE	Stabilized Pressure No) Statilized Pressure No) Statilized Pressure No)
COMPLETION: GLOWER HOWER COMPLETION: 11 FLOW TEST NO. 2 LAPSED TIME SINCE FLOW BECAN 15 min. 30 min. 45 min.	12-61 Flowing Zone PRESSURE, PSIG 177 143	MORKING COLUMN PRESSURE, PSIG 366 204 167	pper or Lower) Upper SHUTHIN ZONE PRESSURE, PSIG 1065 1066 1066	1067 Hour & Do TEMPERATURE 50 53 54	Stabilized Pressure No) Statilized Pressure No) Statilized Pressure No)
COMPLETION: GLOWER HOWER COMPLETION: 11 FLOW TEST NO. 2 LAPSED TIME SINCE FLOW BECAN 15 min. 30 min. 45 min. 60 min.	12-61 -2-61 FLOWING ZONE PRESSURE, PSIG 177 143 129	MORKING COLUMN PRESSURE, PSIG 366 204 167 155	### 1066 1066	1067 Hour & Do TEMPERATURE 50 53 54	Stabilized Pressure No) Statilized Pressure No) Statilized Pressure No)
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COMPLETION: GLOWER COMPLETION: 11 FLOW TEST NO. 2 LAPSED TIME SINCE FLOW BECAN 15 min. 30 min. 45 min. 60 min. 120 min. 180 min.	12-61 FLOWING ZONE PRESSURE, PSIG 177 143 129 102 88 Total Bbls.	Zone traditions of the test Tiested Tiested	### 1065 #### 1066 ###################################	1067 Hour & Do Hour & Do 11 FLOWING TEMPERATURE 50 53 54 55 55 55	Stabilized Pressure (No) Stabilized Pressure (No) Stabilized Pressure (No) Stabilized Pressure (No)
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SCHMATIC DIAGRAM OF DUALLY COMPLETED El Paso Matural Gas Co. San Juan 27-5 Unit Mo. 67 (PM) Section 31, T-27-N, R-5-V



I, R. E. Miezlaiskis, being first duly sworn upon my oath depose and say as follows:

I am an employee of El Paso Natural Gas Company and that on September 7, 1961, I was called to the location of the El Paso Natural Gas Company San Juan 27-5 Unit No. 67 (PM) Well located in the NWNE/4 of Section 31, Township 27 North, Range 5 West, N.M.P.M., for advisory service in connection with installation of a production packer. In my presence, a Baker Model "R" Production Packer was set in this well at 3352' in accordance with the usual practices and customs of the industry.

R. E. Miezlaiskis

Subscribed and sworn to before me, a Notary Public in and for San Juan County, New Mexico, this 6th day of December, 1961.

Som Succes

Notary Rublic in and for San Juan County,

New Mexico

My commission expires October 5, 1964.