NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

APPLICATION FOR DUAL COMPLETION

d Name	19 - D - E - L-A-SL - 95%		County	Date
Wildcat N. V. & Exuth Blan			Ric Ar	
rator Di Tomo Wa	A	Lease	and the second s	Weil No.
	turel Gas Car	Section	Township	Range (134)
į.	G	16	rac sr	ids
 			tofore authorized the dual com	pletion of a well in these same pools or in the sar
		t well? YES		presson of a west in shoot banke pools of in the sail
answer is yes	, identify one such	instance: Order No.	; Operato	or, Lease, and Well No.:
The following facts are submitted:			Upper Zone	Lower Zone
. Name of rese	ervoir	rict	ared Cliffs	Nose Verde
. Top and Bott	tom of			5764-5070 (Menefee)
Pay Section	on			
(Perforatio		3/12-	- Ji ku	5960-6126 (Point Lookout)
	uction (Oil or Gas)	Cas		Gus
Method of Pt		•	I e a a c	Pi. ac. san
	or Artificial Lift) re attached. (Pleas	Ploui	<u> </u>	Floring
b. Plat operat c. Waiv been f	ation as may be per showing the location ors of all leases of ers consenting to su furnished copies of the trical log of the well	on of all wells on applicant's lacting applicant's lact dual completion the application.*	plicant's lease, all offset well lease. from each offset operator, or is e log with tops and bottoms of	s on offset leases, and the names and addresses in lieu thereof, evidence that said offset operators producing zones and intervals of perforation indic
b. Plat operat c. Waiv been f d. Elect thereo ist all offset o	ation as may be per showing the location ors of all leases off ers consenting to so turnished copies of the trical log of the well on. (If such log is n	tinent. on of all wells on applicant's listing applicant's list dual completion the application. It or other acceptable of available at the tie on which this well	plicant's lease, all offset well lease. from each offset operator, or is e log with tops and bottoms of	s on offset leases, and the names and addresses on lieu thereof, evidence that said offset operators producing zones and intervals of perforation indicated by Rule 112—A.)
b. Plat operat c. Waiv been f d. Elect thereo iist all offset o	ation as may be per showing the location ors of all leases off ers consenting to su turnished copies of the trical log of the well n. (If such log is no perators to the leas	tinent. on of all wells on applicant's listing applicant's list dual completion the application. It or other acceptable of available at the tie on which this well	plicant's lease, all offset well lease. from each offset operator, or in e log with tops and bottoms of ime application is filed, it sha	s on offset leases, and the names and addresses on lieu thereof, evidence that said offset operators producing zones and intervals of perforation indicated by submitted as provided by Rule 112-A.) correct mailing address.
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b. Plat operate c. Waiv been f d. Elect thereo ist all offset o Fig. 1	ation as may be per showing the location or all leases of ers consenting to surnished copies of trical log of the well. (If such log is no perators to the lease of the lease	tinent. on of all wells on applicant's leach dual completion the application. Il or other acceptable of available at the time on which this well considered to the constant of the constant	plicant's lease, all offset well lease. from each offset operator, or in e log with tops and bottoms of ime application is filed, it sha is located together with their rnished a copy of this applicat	s on offset leases, and the names and addresses in lieu thereof, evidence that said offset operators producing zones and intervals of perforation indicated by submitted as provided by Rule 112-A.) correct mailing address. OCTIO1958 OIL CON. COM. DIST. 3
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b. Plat operate c. Waiv been f d. Elect thereo ist all offset o Han ere all operator such notificat ERTIFICATE:	ation as may be per showing the location ors of all leases of ers consenting to surnished copies of trical log of the well. (If such log is not perators to the lease white old and are least the old and are listed in Item 5 are listed in Ite	tinent. In of all wells on applicant's lach dual completion the application. It or other acceptable of available at the tie on which this well considered to the constitute of the application. Befinite Co. bove notified and further appany), and that I am the appany).	plicant's lease, all offset well lease. from each offset operator, or in e log with tops and bottoms of ime application is filed, it sha is located together with their rnished a copy of this applicate authorized by said company to	s on offset leases, and the names and addresses in lieu thereof, evidence that said offset operators producing zones and intervals of perforation indicated by submitted as provided by Rule 112-A.) correct mailing address. OCTIO1958 OIL CON. COM. DIST. 3

Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.

NOTE: If the proposed dual completion will result in an unorthodox well location and/or a non-standard proration unit in either or both of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

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EL PASO NATUREL GAS CONTANY

Farmington, New Mexico

September 25, 1958

Mr. E. C. Armoli Oil Conservation Cammission 1930 Sio Erazos Foad Aztec, New Mexico

Ne: Tacker Leakage Test on the El laso Natural Cas
Company Well, <u>Jicarilla 4-C (PM), 1640N, 1600E; *</u>
16-25-4, Rio Arriba County, New Mexico.

(Name - Location - Company)

Dear Mr. Arnold:

The subject well was dually completed in the <u>Pictured Cliffs</u> and <u>Mesa Verde</u> zones and a packer was set at <u>3877</u> feet. The <u>Mesa Verde</u> zone was tested through a 3/4" choke for three hours <u>Sept. 5, 1958</u> with the following data obtained:

C SIIC 959 paig; Shut-in 21 days

FC 3184 959 psig;

'6' SET 872 paig; Shut-in 21 days

Time Minutea	(MV) Flowing Fressure Tubing Frig	(PC) SIN C) Psig	(MV) Working Pressure, Psig	Temp ^C F
0		9 5 9		
15	32 5	962		64
30	245	964		6 5
45	15 0	964		66
60	140	964		66
180	94	964	Calc. 203	66

The choke volume for the <u>Mesa Verde</u> was 1263 MCF/D with an AOF of 1322 MCF/D.

The <u>Pictured Cliffs</u> some was tested <u>September 25, 1958</u> with a 5/4" choke for 5 hours with the following data obtained:

FC SIFC 979 paig: Shut-an 41 days

ec stat <u>978</u> paid.

W SIM 1274 psig; Shut-in 21 days

Time Minutes	(PC) Clowing Pressure Casing Faig	(MV) SII (T) Paig	(PC) Working Pressure, Psig	Temp ° F
0 15 30 45 60 180	177 70 36 32 22	1274 1271 1272 1273 1274 1273	22	49 52 56 56 57
The c 21 3 86	hose relime for the Picture	ed Cliffs test was	386 MCF/D with	an AOF

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

Very truly yours,

H. L. Kendrick Gas Engineer

HLK/nb

cc: {, T. Podgers
 E. S. Oberly (6)
File

El Paso Natural Gas			Jiearilla 4-C (M)		
1640n, 1600E; 16-25-	4		Rio Arriba	New Mexico	
Mesa Verde			Blanco MV		
7-5/8	39 7 6		2"	6028	
5764 Sand Water Frac.	6236		6210 e/o 6130	Shut in 8/15/58	
.75	12.	.36 5	5-1/2 liner 3921 -	6159	
9 5 9 (PC)	971	21	872 (MV)	884	
94	** y →	106	Calc.	36 (2 n. r.) 215	
66		.75	1.009	65 0	
Initial SIFC (PC) = 959 PSIG Final SIPC (PC) = 964 PSIG			Packer at 3877	THE THE PERSON AND REAL PROPERTY AND A SECOND PARTY	

 $12.365 \times 106 \times 9608 \times 1.009 \times 9943$

1263

781456 73**5**231

1263 (1.0628)^{.75} = 1263 x 1.0467

1322

Richard Proctor

Checked By T. B. Grant

L. D. Galloway Coffich.

OPEN FLOW TEST DATA

DUAL COMPLETION

المناه المستري ومهوراة

DATE September 25, 1958

El Paso	Natural Gas		Jicarilla 4-C (P)	Jicarilla 4-C (P)			
1040N,	1600 E ; 16-25	-4	Rio Arriba	State New Mexico			
	ed Cliffs		Undesignated				
using: Diameter	7-5/8	3976	Tubing Diameter 1-1/4	Set At. Fact 3819			
dy Zaher Francis to Garde Metros	3812	3840	Total Depth; c/o 6130 Fig. Foreign Casing	Shut-in 8/15/58			
Sand Wa	ter Frac.		x				

Chine Size, Inches		1 S	e Constant:		gradia de la computación del computación de la c				
	.75		12	2.36 5	5-1/2 liner 392	21 - 61	5 9		
Shirt Shines Sheet or Line	979	- ≥55 ± 2 9	651A 91	Jeys bhatem	Shurry Pressure. Tubing 978	PSIG	12 PS	9 90	
Friving Pressure P	22	1 PM3 1 2	ASIA	34	Working Pressure: Pw. 22	PSIG	12 85		
Temperature: T	5 7	r		.85	1.004		Grav ty	.721	-

Initial SIPT (MV) = 1274 PSIG Final SIPT (MV) = 1273 PSIG

Packer at 3877 2" at 6028

CHOKE VOLUME () () \rightarrow F. \rightarrow F. \times Fg \rightarrow Fb.

 \odot 12.365 x 34 x 1.0029 x .9129 x 1.004

386 MCF D

386 y ycr a

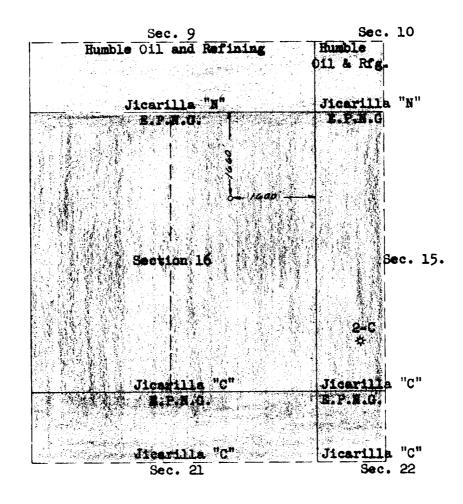
M. W. Rischard

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A TNESSEL BY

PLAT SHOWING LOCATION OF DUALLY COMPLETED El Paso Natural Gas Co. Jicarilla No. 4-C (PM) and Offset Operator

T-25-N, R-4-W



EL PASO NATURAL GAS COMPANY

SCALE DATE No.

DRAWN BY CHECKED BY

STATE OF NEW MEXICO)
COUNTY OF SAN JUAN)

I, Mack M. Mahaffey, being first duly sworn upon my oath depose and asy as follows:

I am an employee of Baker Oil Tools, Inc., and that on August 15, 1958, I was called to the location of the El Paso Natural Gas Company Jicarilla No. 4-C (PM) Well located in the SWNE/4 of Section 16, Township 25 North, Range 4 West, N.M.P.M., for advisory service in connection with installation of a production packer. In my presence, a Baker Model "D" Production Packer was set in this well at 3877 feet in accordance with the usual practices and customs of the industry.

Mach M. Mahaffry

San Juan County, New Mexico, the 6th day of October, 1958.

Notary Public in and for San Juan County,

New Mexico

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SCHEMATIC DIAGRAM OF DUAL COMPLETION El Paso Natural Gas Co. Jicarilla No. 4-C (PM) NE/4 Section 16, T-25-N, R-4-W

