#### 7-3-58

#### NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

#### APPLICATION FOR DUAL COMPLETION

erator	e		Cour		Date	
APATA-	Wildcat		1	Sa Juan	Well No.	<i>3</i> ").
	21 4 2 <b>5</b> 5 5 5 5	ł	Lease	. II:A	wen no.	
cation	eso Matural Ges Con Unit	Section	Huerfees Townsh		Range	
Well	23	.,		Note	.4.5	
	e New Mexico Oil Conservat	ion Commission	heretofore authorized		of a well in these same pools or in	the same
	within one mile of the subject			-	-	
	ver is yes, identify one such			; Operator, Leas	e, and Well No.:	
The fol	llowing facts are submitted:				· · · · · · · · · · · · · · · · · · ·	
			Upper Zone		Lower Zone	
a. Nan	ne of reservoir		Gailm		Dekota	
. Top	and Bottom of					
P	Pay Section					
(]	Perforations)	$\epsilon$	107-5140		6/15-691:	
c. Typ	oe of production (Oil or Gas)	C	98		Gas	
d. Met	thod of Production					
	Flowing or Artificial Lift) llowing are attached. (Pleas		wing		Fleving	
	thereon. (If such log is a	not available at	the time application is well is located toget	s filed, it shall be su	ng zones and intervals of perforati bmitted as provided by Rule 112—A mailing address.	
			·····		2 20 1811/6	
					ALIENTE OCTURE	
					OIL CON. SON	
					OIL COM. COM	
					OIL COM. COM	
	ll operators listed in Item 5 n notification	above notified a	and furnished a copy o	f this application? Y	DIST. 50M	es, give d
of such	n notification	d, state that I as	m the Division Fe	etroieum Raga.	ES NO If answer is you of the bil reso disturble G	ം ടെ പ്രം
of such	n notification	d, state that I as	m the <b>Division fe</b> t I am authorized by s	troleum Rigir	ES NO If answer is yo	ം ടെ പ്രം
of such	n notification	d, state that I as	m the <b>Division fe</b> t I am authorized by s	aid company to make e, correct and complet	ES NO If answer is you of the bl resc netural G	s prepare

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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of the energy resource of the control and application will true or processed. and the contract of the contract and are the activities and the application.

STATE OF NEW MEXICO )
COUNTY OF SAN JUAN )

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

I am an employee of Baker Cil Tools, Inc., and that on April 6, 1958, I was called to the location of the El Paso Natural Gas Company Huerfano Unit No. 92 (DG) Well located in the SENW/4 of Section 7, Township 26 North, Range 9 West, N.M.P.M., for advisory service in connection with installation of a production packer. In my presence, a Baker Model "EGJ" Production Packer was set in this well at 6440 feet in accordance with the usual practices and customs of the industry.

Mark M. Mahayfry

Subscribed and sworn to before me, a Notary Public in and for San Juan County, New Mexico, the 30th day of October, 1958.

Notary Public in and for San Juan County,

New Mexico

My commission Expires February 24, 1960.

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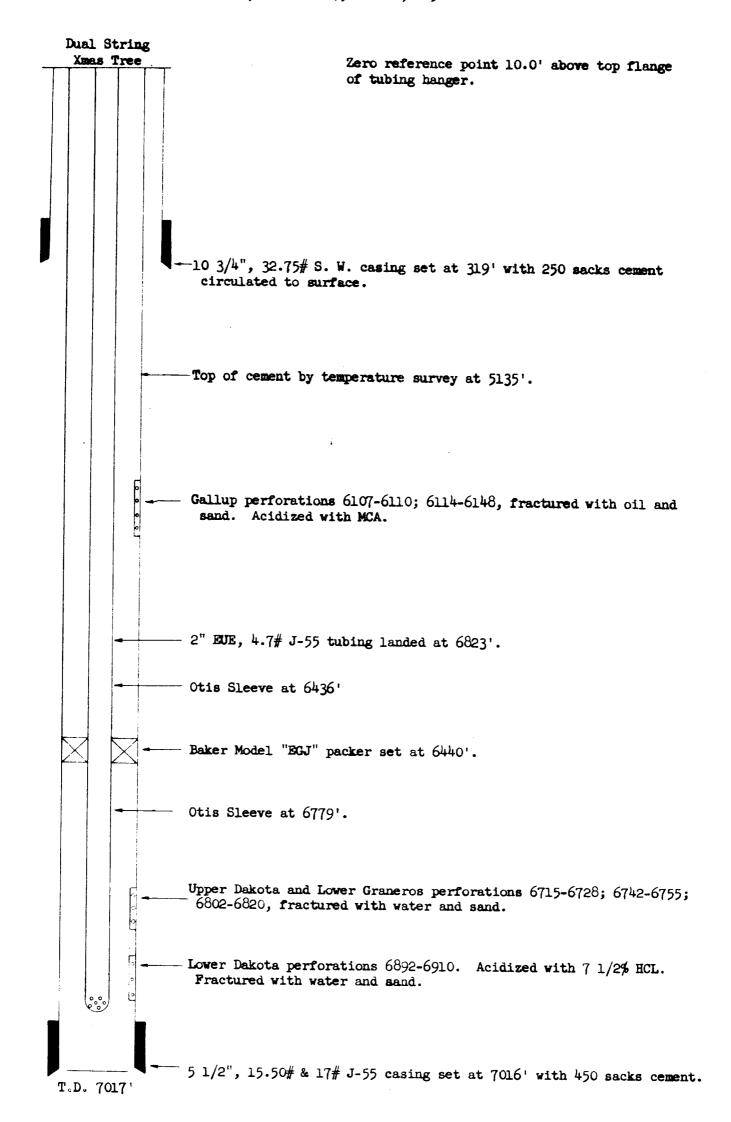
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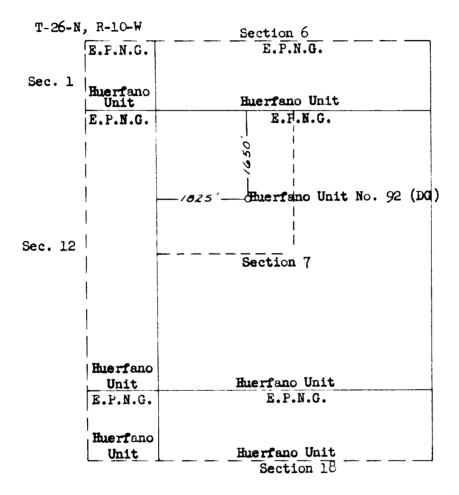
Other permitting that by a provide the contractions.

### Schematic Diagram of Dually Completed El Paso Natural Gas Co. Huerfano Unit No. 92 (DG) NW/4 Section 7, T-26-N, R-9-W



# Plat Showing Location of Dually Completed El Paso Natural Gas Co. Huerfano Unit No. 92 (DG) and offset Acreage

T-26-N, R-9-W



EL PASO NATURAL GAS COMPANY					
	EL PASO, TEXA	.5			
SCALE	DATE	No.			

FORM 7-132 (10-56)

#### EL PASO NATURAL GAS COMPANY

F. O. Box 997
Furmington, New Mexico

July 2, 1958

Mr. E. C. Arnold
Oil Conservation Commission
1000 No Brazos Road
Aztec, New Mexico

Re: Packer Leakage Test on the El Paso Natural Cas Company Well Huerfano Unit No. 92 (DG), NW 7-26-9, San Juan County, New Mexico.

Dear Mr. Arnold:

The subject well was dually completed in the Gallup and Mesa Verde zones and a packer was set at 5439'. The Gallup zone was tested thru a 3/4" choke for 3 hours, June 20, 1958, with the following data obtained:

SIIC (G) 1069 psig; Shut-In 15 days

SIFT (G) 1277 psig;

The choke volume for the Gallup was 1460 MCF/D with an AOF of 1585 MCF/D. This test was conducted with the Dakota sleeve closed and the Gallup sleeve open so that the Gallup could be tested through the tubing. This test could only serve as a Gallup potential test and not as a packer test.

The Dahota zone was tested through a 3/4" choke for three hours June 27, 1958, with the following data obtained:

SIPC (6) 1325 psig; Shut-In 7 days

SIFT (D) 1445 psig; Shut-In 15 days

Time Minutes	Dak Flowing Pressure Tubing Isig	Gal. SIFC Psig	Dak. Working Pressure, Psig	Temp ° F
0	Opened Dak. tubing	1325		
15	178	1328		64
30	165	1328		66
45	164	1328		66
60	149	<b>132</b> 6		66
<b>1</b> 80	133	1291	Calc. 295	68

The choke volume for the Dokota was 1652 MCF/D with an AOF of 1708 MCF/D.

Both zones of this well produce oil thus making any tests for packer leakage hard to obtain. The data obtained from the Dakota test show decreasing pressures on the Gallup zone which may have been due to liquid accumulation in the annulus space and/or from liquids being produced with the gas from the Dakota zone.

The Dakota test was witnessed by Mr. Fred Cook, N.M.O.C.C.

If any other tests for packer leakage should be run on this well please advise us.

Very truly yours,

H. L. Kendrick

Cas Engineer

HILK/nb

cc: W. M. Rodgers E. S. Oberly (6)

File

DUAL COMPLETION

MARE June 20, 1958

El Paso Natural G	as Company	Huerfano No. 92 (G)			
line it is		•	State		
1650N, 1825W; 7-	26-9	San Juan	New Mexico		
Gallup		Undesignated			
Cosing Cooreter	Set An Feet	The control of the co	Set At. Feet		
5-1/2"	7004	2"	. 6813		
Programme Francisco	T e	The state of the s			
6114	6148	<b>7016 c/o 6877</b>	Re Shut-in 6/5/58		
paralle and strategies		Reflex THIN you for the	I claw Through Tabic:		
Sand Water Frac.			X		

.75	12.365		
1069 (G)	1081 15	1277 (G)	PSIG - 12 - PSIA <b>1289</b>
117	129	403	PS.G 12 PSIA 415
72	.75	1.014	Gravity .72

Note: Dakota gas blocked off to wellhead! Packer at 6439

		~ B~	D DIOCHOL O	00 =0	2231000	1 GORCI		
CHOKE (C)								
	Ĵ.	(1	2.365)(129)	(.9887)	(.9129)(1.014)		1460	MCF D
pegs sunk	i se la	/	: :	\n_				
and the state of t	, <b>.</b>	:	$\mathbf{p}_{i}^{T}$ , $\mathbf{p}_{k}^{T}$	j				
	•		1,661, <b>5</b> 21 1, <b>48</b> 9,296	) n	(1.1156) <sup>.75</sup> (1	L460) = (	1.0853)(1460)	
			1585			Remarks:	Unloaded heavy yellow of oil in 3 min. Dimi	

S. V. Roberts

1585 MOS 18

L. D. Galloway Lyth. K.

of test.

to light oily fog for remainder

## OPEN FLOW TEST DATA

DUAL COMPLETION

June 27, 1958 DATE

El Paso Na	tural Gas Co	mpany		Huerfano No	o. 92 (D)
0 11.0	•		County		State
1650N, 182	5W; 7-26-9		i Popi	San Juan	New Mexico
Dakota		_		Undesignate	ed
Casing Nonester		st St. Feet	Tubing: Dishiet	ter .	Set At Feet
5	-1/2	7004	Total Depth	2"	6813
	715	6 <b>91</b> 0	7016 c/o	6877	Shut-in 6/12/58
Sand Water	Frac		! :		<b>T</b>

Nove Size the Hs	h xe Constant				· · · · · · · · · · · · · · · · · · ·
.75	12.365	5	Packer at	6439	
1325 (Gallup)	1337	15 (D)	Shirth Pressure 1445	Гынд PSIC (Dakota)	1457
19 Add y Prieszen P 1	95/5 (2) 892 1 <b>45</b>		Apriling Pressure.	Calc.	305
Sembler store (1)	•75		Fire (From Tobles	1.017	Grav ty . <b>72</b> 0

Final SIPC (G) = 1291 psig

CONTROLLINE OF CIX BUX F. A F. X F. (12.365) (145)(.9924)(.9129)(1.017) 1652 MCF D 2,122,849 2,029,824 (1.0458)<sup>-75</sup> (1652) = (1.0342)(1652) 1708 WITH D 435

S. V. Roberts

Fred Cook (NMOCC)