NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

APPLICATION FOR DUAL COMPLETION

ield Name				County	Date	
Angel Fesk Gallup Ext. & Wildcat Dekota Decretor El Faso Matural Gas Company Energy				San Juan	october 13, 1959	
			Lease Buorfan	Hate	Well No.	
cation Unit		Section		ownship	Range	
Well	ı	2		268	104	
Has the New	Mexico Oil Conservation	n Commission	heretofore autho	orized the dual completio	on of a well in these same pools or in the same	
zones within	one mile of the subject	well? YES:	X NO	_	and the same pools of in the same	
If answer is y	es, identify one such i	nstance: Orde	er No. DC-677	; Operator, Le	ase, and Well No.:	
	El Pego Nedmani	Cont. Comm	ana Basses	on thinks the law for		
The following	facts are submitted:	, ues comp	and marker	o Unit No. 99 (G	<u> </u>	
			Upper Zon	ne	Lower Zone	
a. Name of r			Gallup		Dakota	
b. Top and E			5905 - 6027	(Upper Gallup)		
Pay Sec						
(Perfora			<u> 6080 - 6199</u>	(Loser Gallup)	6046 - 6922	
d. Method of	Production (Oil or Gas)		Geiß		Gea	
	g or Artificial Lift)		Pros. A			
	are attached. (Please		Plowing	<u>-</u>	Floring	
List all offse	t operators to the lease	on which this	well is located	together with their correction Unit Operator	submitted as provided by Rule 112-A.) et mailing address.	
	ILLE	GIBL	E			
Were all opera of such notific	tors listed in Item 5 ab	ove notified an	nd furnished a co	ppy of this application?	YES NO If answer is yes, give da	
	(comp	any), and that	I am authorized	by said company to make	of the lies Natural Gas Compa	
r my supervis	ion and direction and t	at the facts s	tated therein are	true, correct and comple	ete to the best of my knowledge.	
				ORIGINA	L SIGNED E.S. OBERLY	
Should wa Commissi	nivers from all offset op on will hold the applica	erators not acc	company an appl od of twenty (20	ication for administrative) days from date of recei	Signature e approval, the New Mexico Oil Conservation pt by the Commission's Santa Fe office. If,	
after said	twenty-day period, no	protest nor req	uest for hearing	is received by the Santa	Fe office, the application will then be process 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.

STATE OF NEW MEXICO COUNTY OF SAN JUAN

I, A. T. Fry, being first duly sworn upon my oath depose and say as follows:

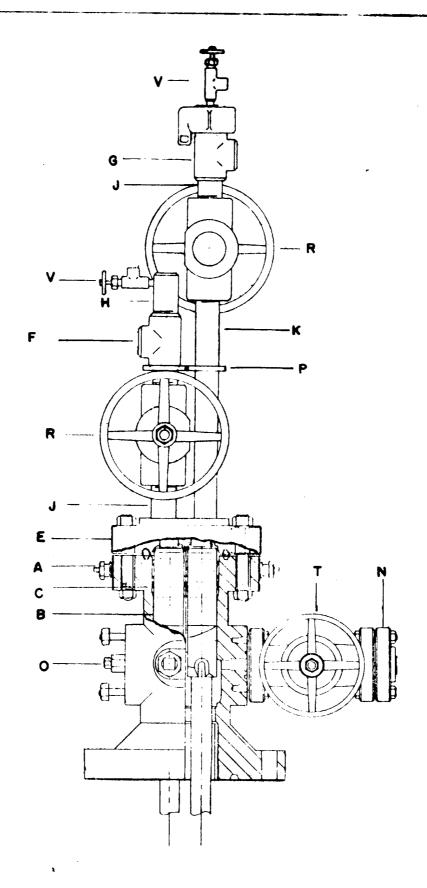
I am an employee of Guiberson Corporation, and that on August 14, 1959, I was called to the location of the El Paso Natural Gas Company Huerfano Unit No. 109 (GD) Well located in the NESE/4 of Section 2, Township 26 North, Range 10 West, N.M.P.M., for advisory service in connection with installation of a production packer. In my presence, a Guiberson Model "AG" Froduction Packer was set in this well at 6231 feet in accordance with the usual practices and customs of the industry.

Subscribed and sworn to before me this 14th day of October, 1959.

Q. J. Fry

Notary Public in and for San Juan County, New Mexico

My commission expires February 24, 1960.



CHRISTM NO. X-	AS TREE	AS SEMBL Y V. 13	OIL CENT	PROPERTY OF ER TOOL OUSTON, TEXA	
PART No.	SCALE	PATTERN No.	DATE 2:2459	Deep	FALE NA
MATERIAL SPEC			Day By GOC		1
FOR EL	PASO NATURA	LEAS CO	CHO. BY		Dwg. 166,

OPEN FLOW TEST DATA

DUAL COMPLETION

DATE September 18, 1959

Operator El Paso Natural	Gas	Huerfano 109 (D)		
1650S, 990E; 2-	-26-10	County San Juan	State New Mexico	
Formation Dakota		Pooi Angel Peak		
Casing: Diameter 7-5/8	Set At: Feet 6380	Tubing: Digmeter	Set At: Feet 6909	
Pay Zone: From 6848	To 6922	Total Depth. 7025 c/o 6936	Re Shut In: 8/31/59	
Stimulation Method Sand Water Frac	ļ.	Flow Through Lasing	Flow Through Tubing	

Choke Size, Inches		Chake Constant: C					
Shut-In Pressure, Casing,	P5IG	+ 12 PSIA	Days Shut-In	Shut-In Pressure, Turing	PSIG	- 12 # PSIA	
1140 (Gal)		1152	18	1840 (Dak)		1852	
Flowing Pressure: P	PSIG	√2 PSIA		Working Pressure	PSIG	- 12 = PS+A	
272		284		Calc.		629	
Temperatura: T	·F	n ·		Fpv (From Tables,		Gravity	
74		•	75	1.031		.72	

Initial SIPT (G) = 1140 psig Final SIPC (G) = 1149 psig

Packer at 6231

Q Calculated from orifice meter reading 3432 MCF/D

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

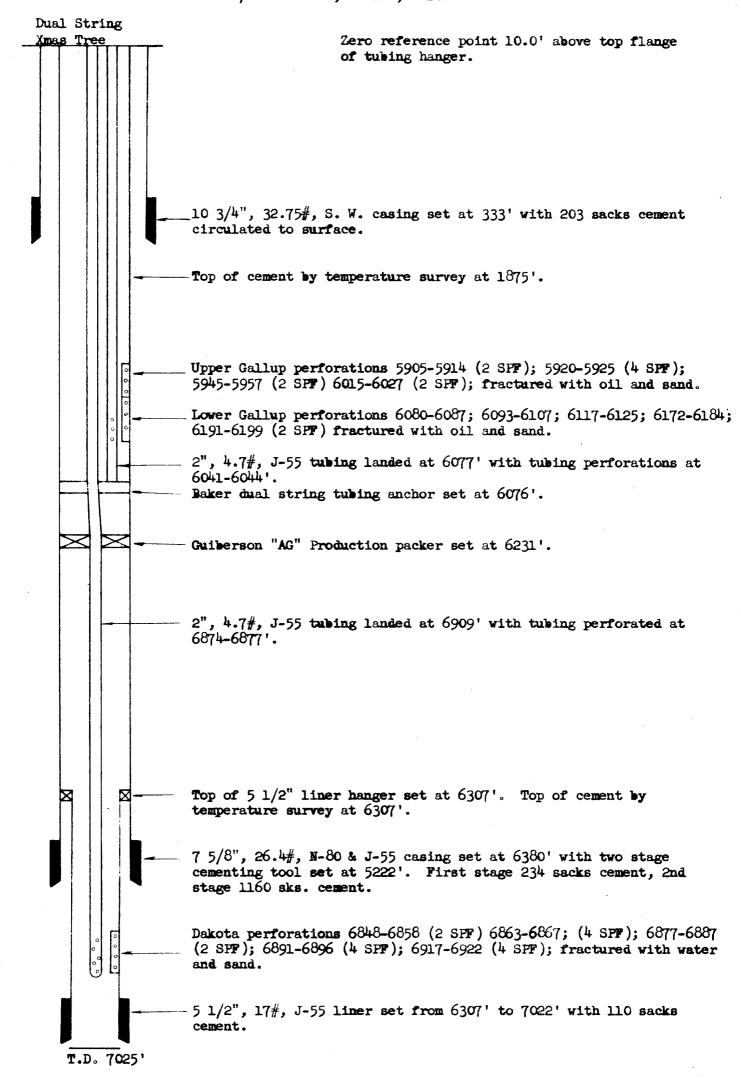
				\sqrt{n}
OPEN FLOW	Aof	Q	$ \begin{pmatrix} \frac{1}{2} & \frac{p_c^2}{2} \\ P_c & P_w \end{pmatrix} $	

TESTED BY S. V. Roberts, W.D. Dawson, T.B. Grant

WITNESSED BY _____

L. D. Galloway

SCHEMATIC DIAGRAM OF DUAL COMPLETION El Paso Natural Gas Co. Huerfano Unit No. 109 (GD) SE/4 Section 2, T-26-N, R-10-W



PLAT SHOWING LOCATION OF DUALLY COMPLETED El Paso Natural Gas Co. Ruerfano Unit No. 109 (GD) and Offset Acreage

Section 35 Pacific Northwest Pipeline Co. E.P.N.G. |Sec. 36 Buerfanou T-27-N Muerfano Unit E.P.N.G. E.P.N.G. 99(GD) Section 2 Sec. 1 T-26-N R-10-W 109(GD) Euerfano Unit Muerfano U. E.P.N.G. E.P.N.G. Sec. 12 Muerfano Unit huerfang U. Section 11

EL PASO NATURAL GAS COMPANY
EL PASO, TEXAS

SCALE
DRAWN BY
CHECKED BY

FORM 7- 132R (10-56)

OPEN FLOW TEST DATA

DUAL COMPLETION

DATE September 28, 1959

perator		Lease			
El Paso Natural	Gas Company	Huerfano No. 109 (G)			
ocation -		County	State		
16508, 990E; 2-2	26-10	San Juan	New Mexico		
ormation		Pool	and marted		
Gallup		Undesignated			
Casing: Diameter	Set At: Feet	Tubing: Diameter	Set At: Feet		
7-5/8	6380	2*	60 67		
ay Zone: From	То	Total Depth:			
5905	6199	7025 c/a 66	36 Smit To: 8/14/50		
timulation Method		Flow Through Casing	36 Shut In: 8/14/59 Flow Through Tubing		
Sand Oil Frac.					

Choke Size, Inches		Choke Constant: C			
.75				5-1/2 line	r 6307 - 7022
Shut-In Pressure, Cas∽g,	PSIG	- 12 - PSIA	Days Shut-In	Shut-In Pressure, Taking	PSIG - 12 PSIA
1139		1151	45	1137	1149
Flowing Pressure: P	PSIG	- 12 PSIA			PSiG - 12 - PSIA
198		2	10	631	61.7
Temperature: T	:F	n =		Fpv (From Tables	Gravity
75		.75		1.022	70

Initial SIPT (D) = 1853 psig Final SIPT (D) = 1873 psig

Packer at 6231

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

Q	Calculated from	orifice meter	reading =	2293 MCF/D
OPEN FLOW - Aof : Q	$\begin{pmatrix} 2 \\ P_c \\ P_c - P_w \end{pmatrix}$	n		

TESTED BY S.V. Roberts, T.B. Grant, D.E. Mortensen

WITNESSED BY._____

L. D. Galloway