NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

mud file 7-3-58

APPLICATION FOR DUAL COMPLETION

Angel Feuk Dakota sixt. &	Angel Feak	Gallus	Den Jaan	March 6, 1959	
Perator El Faso Natural Cos	11	Lease	uerfano Unit	Well No.	
ocation Unit	Section		Township	107 (CD)	
of Well	3	15	277N	Range	
. Has the New Mexico Oil Conserva	tion Commission	heretofore a	uthorized the dual completion	of a well in these same pools or in the same	
zones within one mile of the subjet. If answer is yes, identify one such	TEG_			same	
The following facts are submitted:			; Operator, Leas	e, and Well No.:	
		Upper Zone		Lower Zone	
a. Name of reservoir		Gallup		Bakote	
b. Top and Bottom of				BRECCE	
Pay Section					
(Perforations)		5990-6	290	<u>6934-7007</u>	
d. Method of Dool		011		Gos	
d. Method of Production					
(Flowing or Artificial Lift) The following are attached. (Please		Auro		Ploving	
_	LLO ULIV	,			
been furnished copies of d. Electrical log of the well thereon. (If such log is n	uch dual complete the application.* Il or other accept ot available at the	ion from each	n offset operator, or in lieu the	g zones and intervals of perforation indicate	
been furnished copies of d. Electrical log of the we thereon. (If such log is n List all offset operators to the leas	uch dual completi the application.* Il or other accept ot available at the e on which this w	able log with	h offset operator, or in lieu the h tops and bottoms of producin cation is filed, it shall be sub ed together with their correct m	ereof, evidence that said offset operators has	
been furnished copies of d. Electrical log of the well thereon. (If such log is n List all offset operators to the leas	uch dual completi the application.* Il or other accept ot available at the e on which this w	ion from each	h offset operator, or in lieu the h tops and bottoms of producin cation is filed, it shall be sub ed together with their correct n	ereof, evidence that said offset operators have	
been furnished copies of d. Electrical log of the we thereon. (If such log is n List all offset operators to the leas	uch dual complete the application.* Il or other accept ot available at th e on which this w	able log with	h offset operator, or in lieu the h tops and bottoms of producin cation is filed, it shall be sub ed together with their correct n	ereof, evidence that said offset operators have g zones and intervals of perforation indicate mitted as provided by Rule 112-A.) nailing address.	
c. Waivers consenting to s been furnished copies of been furnished copies of d. Electrical log of the wel thereon. (If such log is n List all offset operators to the leas W. R. Weaver Pan American Three States	uch dual complete the application.* Il or other accept ot available at th e on which this w	able log with the time applicated is located.	h offset operator, or in lieu the tops and bottoms of producin cation is filed, it shall be subed together with their correct n	g zones and intervals of perforation indicate mitted as provided by Rule 112-A.) nailing address.	
c. Waivers consenting to some been furnished copies of the description of the well thereon. (If such log is not be an including the such as the leas with the such as the leas with the such as the leas with the le	uch dual complete the application.* Il or other accept ot available at th e on which this w	able log with the time application from each	h offset operator, or in lieu the tops and bottoms of producin cation is filed, it shall be subed together with their correct n	g zones and intervals of perforation indicate mitted as provided by Rule 112-A.) nailing address.	
c. Waivers consenting to s been furnished copies of been furnished copies of d. Electrical log of the wel thereon. (If such log is n List all offset operators to the leas W. R. Weaver Pan American Three States	uch dual complete the application.* Il or other accept ot available at th e on which this w	able log with the time application from each	h offset operator, or in lieu the tops and bottoms of producin cation is filed, it shall be subed together with their correct n	g zones and intervals of perforation indicate mitted as provided by Rule 112-A.) nailing address.	
c. Waivers consenting to s been furnished copies of been furnished copies of d. Electrical log of the wel thereon. (If such log is n List all offset operators to the leas W. R. Weaver Pan American Three States	uch dual complete the application.* Il or other accept ot available at th e on which this w	able log with the time application from each	h offset operator, or in lieu the tops and bottoms of producin cation is filed, it shall be subed together with their correct n	g zones and intervals of perforation indicate mitted as provided by Rule 112-A.) nailing address.	
c. Waivers consenting to s been furnished copies of been furnished copies of d. Electrical log of the wei thereon. (If such log is n List all offset operators to the leas W. R. Weaver Pan American Three States Western 011	uch dual completithe application.* Il or other accept ot available at the on which this w	ion from each	th offset operator, or in lieu the tops and bottoms of producin cation is filed, it shall be subted together with their correct metallicity.	g zones and intervals of perforation indicate mitted as provided by Rule 112-A.) nailing address.	
c. Waivers consenting to s been furnished copies of been furnished copies of d. Electrical log of the wel thereon. (If such log is n List all offset operators to the leas W. R. Weaver Pan American Three States	uch dual completithe application.* Il or other accept ot available at the on which this w	ion from each	th offset operator, or in lieu the tops and bottoms of producin cation is filed, it shall be subted together with their correct metallicity.	g zones and intervals of perforation indicate mitted as provided by Rule 112-A.) nailing address. SEPARATE COVER TO TOP 1959 COM.	
c. Waivers consenting to s been furnished copies of the described. d. Electrical log of the weithereon. (If such log is n List all offset operators to the leas W. R. Weaver Pan American Three States Western 011 Were all operators listed in Item 5 all of such notification	uch dual complete the application.* Il or other accept ot available at the e on which this w WAI SAN	ion from each able log with the time appli well is locate VERS REQ TA PR.	th offset operator, or in lieu the tops and bottoms of producin cation is filed, it shall be subted together with their correct medical together with the correct medical together with their correct medical together with the co	g zones and intervals of perforation indicate mitted as provided by Rule 112-A.) nailing address. SEPARATE COVER TO COM. One of the cover of the c	
c. Waivers consenting to s been furnished copies of d. Electrical log of the wel thereon. (If such log is n List all offset operators to the leas W. R. Weaver Pan American Three States Western 011 Were all operators listed in Item 5 all of such notification CERTIFICATE: I, the undersigned, (com	uch dual completithe application.* Il or other accept of available at the on which this was a same and the conventified and state that I am the pany), and that I	ion from each able log with the time appli vell is locate VERS REQ	tops and bottoms of producin cation is filed, it shall be subted together with their correct medical together with the	g zones and intervals of perforation indicate mitted as provided by Rule 112-A.) nailing address. SEPARATE COVER TO COM. OF T. 3 OF THE PASO BETURAL GOS Co.	
c. Waivers consenting to s been furnished copies of d. Electrical log of the wel thereon. (If such log is n List all offset operators to the leas W. R. Weaver Pan American Three States Western 011 Were all operators listed in Item 5 all of such notification CERTIFICATE: I, the undersigned, (com	uch dual completithe application.* Il or other accept of available at the on which this was a same and the conventified and state that I am the pany), and that I	ion from each able log with the time appli vell is locate VERS REQ	tops and bottoms of producin cation is filed, it shall be subted together with their correct medical together with the	g zones and intervals of perforation indicate mitted as provided by Rule 112-A.) nailing address. SEPARATE COVER TO COM. Of the Page Setural Gas Co.	
c. Waivers consenting to s been furnished copies of d. Electrical log of the wei thereon. (If such log is n List all offset operators to the leas W. R. Weaver Pan American Three States Western Oil Were all operators listed in Item 5 al of such notification CERTIFICATE: I, the undersigned,	uch dual completithe application.* Il or other accept of available at the on which this was a same and the conventified and state that I am the pany), and that I	ion from each able log with the time appli vell is locate VERS REQ	tops and bottoms of producin cation is filed, it shall be subted together with their correct medical together with the	g zones and intervals of perforation indicate mitted as provided by Rule 112-A.) nailing address. SEPARATE COVER TO Of the Robot Setural Gas Co. s report; and that this report was prepared to the best of my knowledge.	
c. Waivers consenting to s been furnished copies of d. Electrical log of the wel thereon. (If such log is n List all offset operators to the leas W. R. Weaver Pan American Three States Were all operators listed in Item 5 all of such notification CERTIFICATE: I, the undersigned, er my supervision and direction and to Should waivers from all offset of	with a particular the application. * Il or other accept of available at the on which this was a second a state that I am the pany), and that I shat the facts state perators not accept the applications.	ion from each able log with the time appli well is located. VERS RECENTATE. furnished a block am authorized therein a specific and applied the s	copy of this application? YES To be specification of the subsection of the subsecti	g zones and intervals of perforation indicate mitted as provided by Rule 112-A.) nailing address. When separate cover to the property of the rule factor of the performance of the best of my knowledge. D E. S. OBERLY Signature	
c. Waivers consenting to s been furnished copies of d. Electrical log of the wei thereon. (If such log is n List all offset operators to the leas W. R. Weaver Pan American Three States Were all operators listed in Item 5 al of such notification CERTIFICATE: I, the undersigned, comper my supervision and direction and to Should waivers from all offset of Commission will hold the applic	wall complete the application.* Il or other accept of available at the e on which this wall sale of the e on which this wall sale of the e on which the	ion from each able log with the time appli well is located with the locate	copy of this application? YES To be specified by said company to make this retrue, correct and complete to the complete true, correct and complete true, co	g zones and intervals of perforation indicate mitted as provided by Rule 112-A.) nailing address. SEPARATE COVER TO Of the El ruso Estural Gas Co. s report; and that this report was prepared to the best of my knowledge. D E. S. OBERLY Signature proval, the New Mexico Oil Conservation	
c. Waivers consenting to s been furnished copies of d. Electrical log of the wei thereon. (If such log is n List all offset operators to the leas W. R. Weaver Pan American Three States Were all operators listed in Item 5 al of such notification CERTIFICATE: I, the undersigned, comper my supervision and direction and to Should waivers from all offset of Commission will hold the applic after said twenty-day period no	wall complete the application.* Il or other accept of available at the e on which this wall same accept on the e on which this wall same accept on the e on which this wall same accept on the e on which this wall same accept on the end of the	furnished a furnished a mpany an ap of twenty (2	copy of this application? YES To be specified by said company to make this retrue, correct and complete to the complete true, correct and complete true, co	g zones and intervals of perforation indicate mitted as provided by Rule 112-A.) nailing address. SEPARATE COVER TO OF THE PRIOR BETURE GAS Case is report; and that this report was prepared to the best of my knowledge. D E. S. OBERLY	

EL PASO NATURAL GAS COMPANY

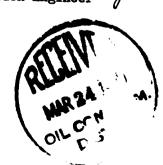
OIL WELL TEST

To: Mr. Ed E. Alsup Date: February 20, 1959 Production Engineering Department From: Place: Farmington, New Mexico Gas-Oil ratio test on El Paso Natural Gas Company well Huerfano Unit No. 107 (G), NE 35-27-10, San Juan County, New Mexico. Tested By: K. C. McBride Location Sec. 35 T27 R10 Shut In Pressure SIPC 1177 psig; (Shut in 12 days)
SIPT 1173 psig; Time and Date Test Started ,..... 11:40 A.M. 2/19/59 2/20/59 1188.7 MCF 011 287 Bbls. Water Bbls. Gas-Oil Ratio 4142 Cubic Feet Per Bel. Producing MethodFlowing Producing through Tubing Choke Setting 26/64 Inches Flowing Pressure 785 psig Tubing; 500 psig Casing SPM Length of Stroke Field Undesignated

K. C. McBride

Production Engineer

KCM/nb



COM.

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 Oil Tools, Inc., and that on January 27, 1959, I was called to the location of the El Faso Natural Gas Company Huerfano Unit No. 107 (GD) Well located in the SWNW/4 of Section 35, Township 27 North, Range 10 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 6345 feet in accordance with the usual practices and customs of the industry.

Mack M. Makaffy

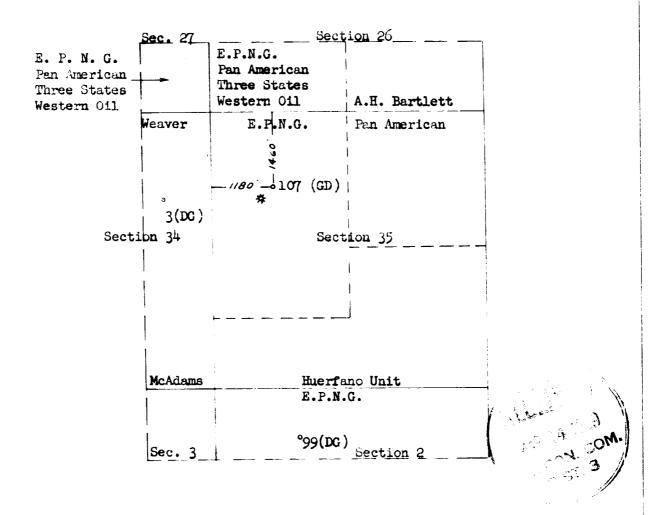
Subscribed and sworm to before me this 10th day of March,

Notary Public in and for San Juan County New Mexico

1959.

PLAT SHOWING LOCATION OF DUALLY COMPLETED El Paso Natural Gas Co. Huerfano Unit No. 107 (GD) and Cffset Acreage

T-27-N R-10-W



Legend:

• Gallup (Oil) Dakota (Gas)
• Gallup (Gas) Dakota (Gas)

a- Pictured Cliffs

EL PASO NATURAL GAS COMPANY

SCALE DATE No.
DRAWN BY CHECKED BY

FORM 7-132 +10-5+

OPEN FLOW TEST DATA

DUAL COMPLETION

DATE February 12, 1959

Operator		Ruerfano No. 107 (D)		
El Paso Natural C	8.6			
Location		(Chunty	, State	
1460W, 1180W; 35-27-10		San Juan	New Mexico	
Formation		Pos		
Dakota		Angel Peak Dakot		
Casing Diameter	Set At: Feet	Tubing: Diseleter	Set At: Feet	
7-5/8	6424	2"	6 98 0	
Puy Zone: From	To	Total Depth		
6934	7007	7017 c/o 7013 _	Shut in 1/31/59	
Stimulation Method		j Flow Through Casing	Flow Through Tubing	
Sand-Oil Frac.			· Y	

Choke Size, Inche	, Inche Choke Constant :						
Shutele Pressure C	Shut-in Pressure, Cas. a. PSIG		12.365		5-1/2 liner 6382' - 7014'		
5,10.41, 1.693.46, 4.1	(G)	1177	1189	12	(D) 1845	1857	
Flowing Pressure	496	-^5 I G	- 12 " PSIA 508		Calc.	PSIG + 12 + PS14 	
Temperature: T	= 0	F	n ###		Ep. /Frm. Tables	Gravity 736	
L	70				1.000		

Initial SIPT (G) = 1173 psig Final SIPC (G) = 1181 psig Packer at 6345
Light spray of oil throughout test.

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

Q 12.365 x 508 x .9905 x .9035 x 1.066

5.992 MCF/D

1.5621^{.75} x 5992 = 1.3978 x 5992

Aor ____ 8,376 ___ MCF >

S.V. Roberts, M.W. Rischard and R.R. Davis

WEINERSHO BY TO THE TOTAL

Lewis D. Galloway.

SCHEMATIC DIAGRAM OF DUALLY COMPLETED El Paso Matural Gas Co. Huerfano Unit No. 107 (GD) HW Section 35, T-27-N, R-10-W

