## OIL CONSERVATION COMMISSION \_Aztec \_DISTRICT

OIL CONSERVATION COMMISSION	DATE 4-6-64
BOX 871 SANTA FE, NEW MEXICO	Re: Proposed NSP
,	Proposed NWU
	Proposed NSL
	Proposed NFO
	Proposed DC XXX
Gentlemen:	
I have examined the application dated_ for the El Paso Natural Gas Co. Turner Hughes	Marine de la S
Operator Lease and Well	
and my recommendations are as follows:	
Approve	
	· · · · · · · · · · · · · · · · · · ·
3	
Yours very	truly,
	1/10/

SANTA FE, NEW MEXICO

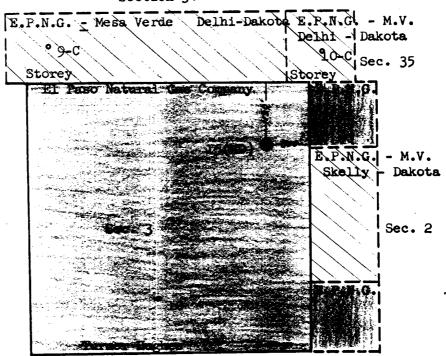
## APPLICATION FOR DUAL COMPLETION

ield Name  Blanco Moon Ve	erdo & Das	in Dakota	County &	m Juan	Date 19, 1964
perator El Paso Hatural Gas (	Company	Lease	ner Bighes		Well No. (15)
ocation Unit	Section	•	Township	~~~~	Range
i Well A	<u> </u>	3		271	SM
zones within one mile of the subj		ES K NO		ual completion of a	a well in these same pools or in the same
If answer is yes, identify one suc				Operator, Lease,	and Well No ·
			,	operator, nease,	and well No
Tenneco Riddle #1 -	- <b>Mins</b> y-2	27-9			
The following facts are submitted	d:	I.T.,	7		
			er Zone		Lower Zone
a. Name of reservoir		Verde		.Del	50 m.
5. Top and Bottom of	LEGE -	1662		44	38 - 6816
Pay Section (Perforations)	- (00	4008		00;	20 - 6000
c. Type of production (Oil or Gas	s) Cas			Car	
d. Method of Production	3,				
(Flowing or Artificial Lift)	Flowin	WE.		The Pro-	wing
The following are attached. (Ples	ase mark YES	or NO)			
c. Waivers consenting to been furnished copies o  d. Electrical log of the w thereon. (If such log is	ertinent.  tion of all wel  offsetting appl  such dual con  f the applicati  vell or other ac  not available	ls on applicant licant's lease. npletion from e ion. * cceptable log wat the time ap	t's lease, all offs ach offset operat with tops and bott plication is filed	or, or in lieu there oms of producing: , it shall be submi	zones and intervals of perforation indicate
b. Plat showing the locat operators of all leases of the consenting to been furnished copies of the work.	tion of all well offsetting appl such dual confithe application of the application of available ase on which the application of available ase on which the application of available ase on which the application of a value	ls on applicant licant's lease. Inpletion from e ion. * cceptable log vat the time application well is located to the second sec	ach offset operate with tops and bott plication is filed tated together with the control of the	or, or in lieu there oms of producing; , it shall be submi h their correct mai	cof, evidence that said offset operators has zones and intervals of perforation indicate tted as provided by Rule 112-A.)
b. Plat showing the locat operators of all leases of the compact o	tion of all well offsetting appl such dual confithe application of the application of available ase on which the application of available ase on which the application of available ase on which the application of a value	ls on applicant licant's lease. Inpletion from e ion. * cceptable log vat the time application well is located to the second sec	ach offset operate with tops and bott plication is filed tated together with the control of the	or, or in lieu there oms of producing; , it shall be submi h their correct mai	zones and intervals of perforation indicate tted as provided by Rule 112-A.) illing address.
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b. Plat showing the locat operators of all leases of the compact o	tion of all well offsetting appl such dual confithe application of the application of available ase on which the applications of available ase on which the application of available ase on which the application of a variable as a value of a variable as a value of a variable application of a variable appl	ls on applicant licant's lease. Inpletion from e ion. * cceptable log vat the time application well is located to the second sec	ach offset operate with tops and bott plication is filed tated together with the control of the	or, or in lieu there oms of producing; , it shall be submi h their correct mai	zones and intervals of perforation indicate tted as provided by Rule 112-A.) illing address.
b. Plat showing the locat operators of all leases of the consenting to been furnished copies of the work thereon. (If such log is List all offset operators to the lease of the consenting to the lease of the consenting to the consenting to the consent of the consent of the consent of the lease of the consent of the consen	tion of all well offsetting appl such dual confithe application of the application of available ase on which the applications of available ase on which the application of available ase on which the application of a variable as a value of a variable as a value of a variable application of a variable appl	ls on applicant licant's lease. Inpletion from e ion. * cceptable log vat the time application well is located to the second sec	ach offset operate with tops and bott plication is filed tated together with the control of the	or, or in lieu there oms of producing; , it shall be submi h their correct mai	zones and intervals of perforation indicate tted as provided by Rule 112-A.) iling address.  APR 2 1964
information as may be p b. Plat showing the local operators of all leases of c. Waivers consenting to been furnished copies of d. Electrical log of the w thereon. (If such log is List all offset operators to the lea  Belli Taylor Oil Corp. Shelly Oil Company, Ro	tion of all well offsetting appl such dual comf the application of the application of the application of available ase on which the plant of the application of available ase on which the plant of the	ls on applicant licant's lease. Inpletion from e ion. * cceptable log vat the time applies well is local licental licent	t's lease, all offs ach offset operat with tops and bott plication is filed rated together with	or, or in lieu there coms of producing : , it shall be submi h their correct mai	zones and intervals of perforation indicate tted as provided by Rule 112-A.) illing address.  APR 2 1964  OIL CON. COM.
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information as may be p  b. Plat showing the locat operators of all leases of c. Waivers consenting to been furnished copies of d. Electrical log of the w thereon. (If such log is List all offset operators to the lease)  Bally Oil Corporation  Were all operators listed in Item 5 of such notification  CERTIFICATE: I, the undersigne (co	above notified, state that I ompany), and t	ls on applicant licant's lease. Inpletion from e ion. * cceptable log vat the time application with the licentary linear land and furnished am the land authority land and authority linear land autho	d a copy of this a	or, or in lieu there oms of producing; it shall be submi h their correct mai refile A	APR 2 1964  OIL CON. COM.  NO If answer is yes, give dather the least of my knowledge.
information as may be p  b. Plat showing the locat operators of all leases of the c. Waivers consenting to been furnished copies of d. Electrical log of the weathereon. (If such log is List all offset operators to the lease of	above notified above that I ompany), and t dat the fact	ls on applicant licant's lease. Inpletion from e ion.*  cceptable log wat the time application well is locally limited. It is a many limited and furnished and furnished am the lam authorits stated therein	d a copy of this a	pplication? YES	APR 2 1964 OIL CON. COM.  NO If answer is yes, give date the best of my knowledge.  ED E. S. OBERLY  Signature
information as may be p  b. Plat showing the locat operators of all leases of c. Waivers consenting to been furnished copies of d. Electrical log of the we thereon. (If such log is  List all offset operators to the lease  Belly Oil Corporation  Were all operators listed in Item 5 of such notification	above notified above not feet that I ompany), and t d that the fact to operators not opera	ls on applicant licant's lease. Inpletion from e ion. * cceptable log vat the time applicant well is locally linear and the image of the ion and furnished and furnished and furnished that I am authorits stated thereion accompany and incompany and incompa	da copy of this a	pplication? YES.  of apany to make this ct and complete to administrative appiration.	APR 2 1964  OIL CON. COM.  NO If answer is yes, give dather the BL Paco Batural Company to the best of my knowledge.  ED E. S. OBERLY

# PLAT SHOWING LOCATION OF DUALLY COMPLETED El Paso Natural Gas Co. Turner Hughes #15 (MD) and Offset Acreage

T-27-N, R-9-W

#### Section 34





EL PASO NATURAL GAS COMPANY

	<del></del>	
SCALE	DATE	No.
DRAWN BY	CHECKED BY	

#### EL PASO NATURAL GAS COMPANY

#### OPEN FLOW TEST DATA

DATE Pebruary 1, 1964

perator	Lease	
El Paso Natural Gas Company	Turner Hughes No. 15	(DK)
ocation	County	State
1190'N, 800'E, Sec. 3, T-27-N, R-9-W	San Juan	New Mexico
ormation	Pool	
Dakota	<b>Basi</b> n	
Casing: Diameter Set At: Feet	Tubing: Diameter	Set At: Feet
4.500 6918	2.0625	6617
Pay Zone: From To	Total Depth:	Shut In
6700 6816	6921	1-25-64
Stimulation Method	Flow Through Casing	Flow Through Tubing
Sand/Water Frac.		*

Choke Size, Inches	Chake Constan	nt: C	:		
0.750	12.3	65	Set Baker Mode	ו "מ" ו	Packer at 4875'.
Shut-In Pressure, Casing, <b>885 (MV)</b>	PSIG + 12 - PSIA 897	Days Shuttin	Shut-In Pressure, Tubing 2186 (DK)		
Flowing Pressure P	PSIG + 12 - PSIA 410		Working Pressure: Pw	PSIG	1161
Temperature:	n = +		Fpv (From Tables)		Gravity
T : 73 % FI	.9877 .75		1.052		0.730 Fg = .9066

Initial SIPT (MV) = 884 psig Final SIPC (MV) = 891 psig

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

(12.365)(410)(.9877)(.9066)(1.052)

4776 MCF/D

OPEN FLOW Asf - Q 
$$\begin{pmatrix} & & & \\ & P_c & \\ & P_c & P_{\star}^2 \end{pmatrix}$$

61.04

, MCF D

(4776)(1.3869)\*75 = (4776)(1.2780)

NOTE: Well produced a heavy spray of water

and distillate throughout the test.

TESTED BY ... H. E. McAnally Checked by

Aof

OIL CON. COM DIST. 3

### EL PASO NATURAL GAS COMPANY

#### OPEN FLOW TEST DATA

Operator El Paso Hatura	l Gas Company	Turner Hughes No. 15 (MV)		
Location 1190'T, 800'E,	Sec. 3, T-27-N, N-9-W	County San Juan	State New Mexico	
Formation 11000 Mondo		Pool		
Casing: Diameter 5.500	Set At: Feet 4919	Tubing: Diameter	Set At: Feet	
Pay Zone: From	T. 1,61,1,	Total Depth: 6921	Shut In 7 - 25 - 61:	
Stimulation Method  Sund/Water Fra	c.	Flow Through Casing	Flow Through Tubing	

Choke Size, Inches	, ,	Choke Constant	: C				
0.750		12.365	;	Set Baker Mode	el "D"	Packer at 4875!	
inut-In Pressure, Casing,	PSIG	+ 12 = PSIA	Days Shut-In	Shut-In Pressure, Tubing	PSIG	+ 12 = PSIA	
905 (TAX)		915	16	903 (MV)		015	
Flowing Pressure: P	P\$IG	+ 12 = PSIA		Working Pressure: Pw	PSIG	+ 12 = PSIA	
199		181		· 236		248	
Temperature:		n =		Fpv (From Tables)		Gravity	
T= 56	.9943	0.75		1.018		.695 Fg= .	9292

Initial SIPT (DK) = 2198 psig Final SIPT (DK) = 2214 psig

CHOKE VOLUME = Q =  $C \times P_t \times F_t \times F_g \times F_{PV}$ 

Q = (12.365)(181)(.9943)(.9292)(1.018)

= 2105 MCF/D

OPEN FLOW = Aof = Q 
$$\begin{pmatrix} & & & \\ & \frac{P_c}{P_c} & \\ & P_c & P_w \end{pmatrix}$$

Aof = 
$$\begin{pmatrix} 857,225 \\ \hline 775,721 \end{pmatrix}$$
 =  $(2105)(1.0792)^{.75}$  =  $(2105)(1.0588)$ 



of distillate throughout the test.

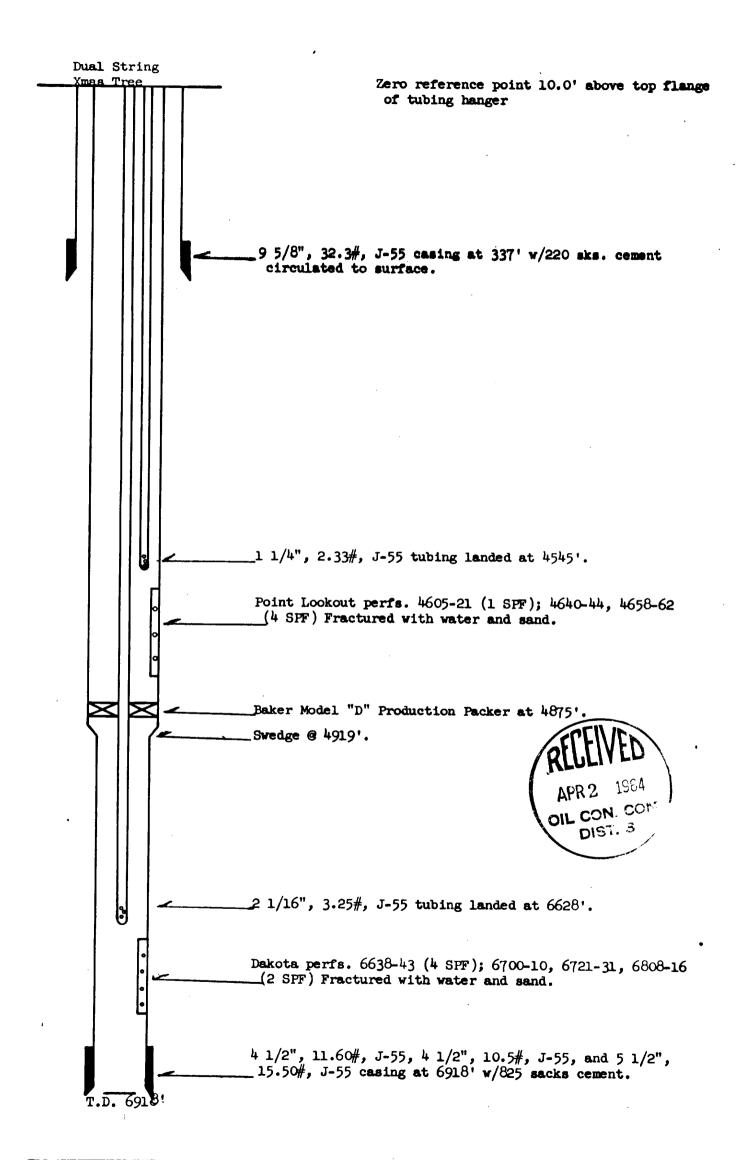
NOTE: The well produced a very heavy mist

Aof = 2229 MCF/D

TESTED BY H. E. McAnally

WITNESSED BY\_\_\_\_\_

Lewis D. Calloway



		-				<del></del>		(122)
A	3	27	9	San Jua	n		. :	
12	esa Verde			Gas	Flowing		Casing	
De	nirota			Gas	Floring		Tubing	· · ·
					BIL DATE FLO	ertret in i		
1-	-25 <b>-</b> 64	1- 4.		7 days	-in Act	884(T)	XXXXXX	
Ly Estion: 1-	-25 <b>-</b> 64			7 days		2198	xxxxxx	
FLOW TIDE 1					Lower		2-1-64	
en de la companya de La companya de la co			WORTH COL FREEDAME, P.		FLOUING ZONA PRETOBLE V U	RODE TO TEMP - POSTURE	REMAR	(XC
15 min. 50 min. 45 min. 60 min. 120 min. 180 min.	E83 890 890 891 891	889 890 891 891 891 891	Calc. 11	49	564 516 • 480 453 414 398	63 66 68 69 72 73		
<b>C</b> atility Area is a	Ten in the		No over the second		09 (net	Gravity D <sub>i</sub>		
			and the second section of the section of the second section of the section of the second section of the second section of the section of					

4776 V. F. L. (CLAN XXXXXXX

Well produced a heavy spray of water and distillate throughout the test.

e de la companya del companya de la companya del companya de la co	UT-IN PRESSURE D.		TEST NO. 1	
1-25-6 <del>4</del> 2-1-64	16 d	ays 9	03 (C & T) 2198	XXXXXX (**)
	i Markang dolumn	Upper - Lover, Upper GAUTHA ZONE PRILIUAE, PSIG	SAING TRING	2 <b>-1</b> 0- <i>6</i> 4
15 min. 206 30 min. 220 45 min. 216 60 min. 208 100 min. 183 130 min. 169	343 308 302 290 256 236	2201 2206 2208 2210 2212 2214	56 58 61 62 65 66	

2229 1080 0 (Carolo **XXXXXX**)

And the second of the second o

Very heavy mist of distillate throughout the test.

oraci i dia <sup>k</sup>alangang Pandara Nebibagay (**XXXXXXXXXXXXX**) i alimpada

on tereso contained is true and complete.

ಮೇಳೆ ಮಿಕಿ ಹೆಚ್ಚಿತ್ತು.

Title Area Cas Lui/ Tuet Engineer

Formary 10, 1904