OIL CONSERVATION COMMISSION _____DISTRICT

OIL CONSERVATION COMMISSION BOX 871	ı	DATE_	3 Proposed	- 5 -	and the state of t
SANTA FE, NEW MEXICO		KO.	Proposed	 -	
			Proposed	NSL_	
			Proposed	NFO	·
			Proposed	DC	<u> </u>
Gentlemen:					
I have examined the ap	plication dated_	3	-5-63	5	
for the James Call	onopay Jeans	4 A	An B	-18-2	(n-54
Operator	Lea/se and Well	No.	S	−T−R	
and my recommendations are	as follows:				
Copy Copyet		- 		···········	
-	e e e e e e e e e e e e e e e e e e e			· · · · · · · · · · · · · · · · · · ·	
	Yours very	trul	у,		

NEW MEXICO OIL CONSERVATION COMMISSION SANTA FE, NEW MEXICO APPLICATION FOR MULTIPLE COMPLETION



Operator		County	Date
Tenneco Oil Company		Rio Arriba	March 5, 1965
P. O. Fox 1714, Durango,	· ·	Jicarilla "A"	Well No.
Location of Well B	18	ownship 26 N	Range 5 W
 Has the New Mexico Oil Conservation zones within one mile of the subject If answer is yes, identify one such in 	well? YES	NO_X	on of a well in these same pools or in the same
3. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	South Blanco To	cito	Basin Dakota
b. Top and Bottom of	6919		7749
Pay Section	6917		7670
(Perforations)	6917-6919		7396-7627
c. Type of production (Oil or Gas)	011	***************************************	Shut in
d. Method of Production	VIII		51140 111
(Flowing or Artificial Lift)	Flowing		Shut In
4. The following are attached. (Please			Ditto III
tors have been furnis X d. Electrical log of the	hed copies of the application well or other acceptable at the log is not available at on which this well is location.	ntion.* log with tops and bottoms of protein the time application is filed it at a together with their correct management.	ducing zones and intervals of perforation inshall be submitted as provided by Rule 112-A.)
* Note: Above operator	furnished copy of	f this form.	MAR9 1965 OIL CON. 3
6. Were all operators listed in Item 5 al	pove notified and furnished	d a copy of this application? Y	ES X NO If answer is yes, give
date of such notification <u>March 5</u> CERTIFICATE: I, the undersigned,	, 1965 by copy of state that I am the Sr. I ompany), and that I am au	this form. Production Clerk thorized by said company to make	of the <u>Tenneco Oil Company</u> e this report; and that this report was prepared
		Hauld	Significant

*Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation 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 multiple completion will result in an unorthodox well location and/or a non-standard proration unit in one or of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

NEW MEXICO OIL CONSERVATION COMMISSION SANTA FE, NEW MEXICO APPLICATION FOR MULTIPLE COMPLETION

	County				
Operator			Date		
Tenneco Oil Company			March 5, 1965		
Address			Well No.		
P. O. Fox 1714, Durango, Colorado		rilla "A"	2		
ction	Township		Range		
18		26 N	5 W		
well? YES	NO_X	**************************************			
Upper Zone		Intermediate Zone	Lower Zone		
South Blanco	Tocito		Basin Dakota		
			7749		
			7670		
6917-6919			7396-7627		
Oil			Shut in		
Flowing			Shut In		
of the Multiple Completers and location thereof	f, quantities us	ed and top of cement, p	erforated intervals, tubing strings, including		
ases offsetting applicant o such multiple comple shed copies of the appl well or other acceptab	pplicant's lease tt's lease. tion from each lication.* the log with top at the time applicated together Farmingtor	, all offset wells on o offset operator, or in li s and bottoms of produ plication is filed it sha with their correct mail n. New Mexico	ffset leases, and the names and addresses eu thereof, evidence that said offset operacing zones and intervals of perforation in- ll be submitted as provided by Rule 112-A.		
	Upper Zone South Blanco 691 6917-6919 Oil Flowing check YES or NO)	Colorado Township 18 on Commission heretofore authorized the well? YES NO X instance: Order No. Upper Zone South Blanco Tocito 6919 6917 6917-6919 011 Flowing check YES or NO) of the Multiple Completion, showing a ters and location thereof, quantities us	Colorado Township 18 26 N On Commission heretofore authorized the multiple completion of twell? YES NO X instance: Order No. ; Operator Lease, a Upper Zone South Blanco Tocito 6919 6917 6917-6919 011 Flowing		

*Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation 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 multiple completion will result in an unorthodox well location and/or a non-standard proration unit in one or more of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

PRESSURE POUNDS PER SQUARE INCH GAUGE

NEW MEXICO OIL CONSERVATION COMMISSION

				MULT	I-POINT B	ACK PRES	SSURE TO	ECEIVA	ELS		Revised 12-1-55
Poc	l Regin B	ukota								No	Arriba
Ini	tial I		Annu	al		Spec	ial \	I CON.	of Mex	Test 1	Palamary 15, 106
Com	pany Tean e	00 011 (Go.			Lease	Jicaril	DIST.	Wel	l No.	k- 2
	t										· · · · · · · · · · · · · · · · · · ·
											7627
					And the second second						ess.
Dat	ducing Thru e of Comple	tion:			Packe	r	Sin	gle-Brade	enhead-G.	G. or (G.O. Dual
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Тое	ted Through	/aderes	*** (c	'halea'	/ \newsetch		ED DATA			•	
				:"	(Page 1				Digition i		•
~	(Prover)		low Da		Diff.	Temn.		Data Temp.	Casing D	ata Term	Duration
No.						•	11000		1	Į.	of Flow
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<u>l.</u>		3/					310	56	Pkr.		3 Moure
2. 3.		-			┿						ļ
$\frac{\mathcal{I}_{\bullet}}{\mathcal{I}_{\bullet}}$		'		- , -	-						
4. 5.		 	· ·							 	
					1	FLOW CAL	CULATION	S		·	· · · · · · · · · · · · · · · · · · ·
	Coeffici	Lent		F	ressure	Flow	Temp.	Gravity	Compre	ss.	Rate of Flow
No.	<i>.</i>					Fac	tor	Factor	Facto	r	Q-MCFPD
	(24-Hot	ır)	√ hwp	f	psia	F	t	$^{ extsf{F}_{oldsymbol{g}}}$	Fpv		@ 15.025 psia
1.	12.3650			3	22	1.00	39	9608	1.03	3	3969
2.											
3.											
4. 5.											
Gas I	Liquid Hydro				PRI	ESSURE C.	ALCU ATI		fic Gravi	ty Sepa	Est.
	ity of Liqui	ld Hydro				deg.		Speci	fic Gravi	ty Flow	ring Fluid
'с	13.239		(1	e ^{-s})	0.295	<u> </u>	*	$^{\mathrm{P}}\mathrm{c}$	2456	_Pc	6031.936
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Т	$P_{\mathbf{w}}$		Τ-			-1				T	-
No.		$P_{\mathbf{t}}^2$	Fc	Q	$(F_cQ)^2$	(F	$c^{(Q)^2}$	P _w 2	$P_c^2 - P_w^2$	Ca	l. Pw
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COMF						·		· · · · · · · · · · · · · · · · · · ·			
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WITN	ESSED										
COME	PANY	_									

REMARKS

INSTRUCTIONS

This form is to be used for reporting multi-point back pressure tests on gas wells in the State, except those on which special orders are applicable. Three copies of this form and the back pressure curve shall be filed with the Commission at Box 871, Santa Fe.

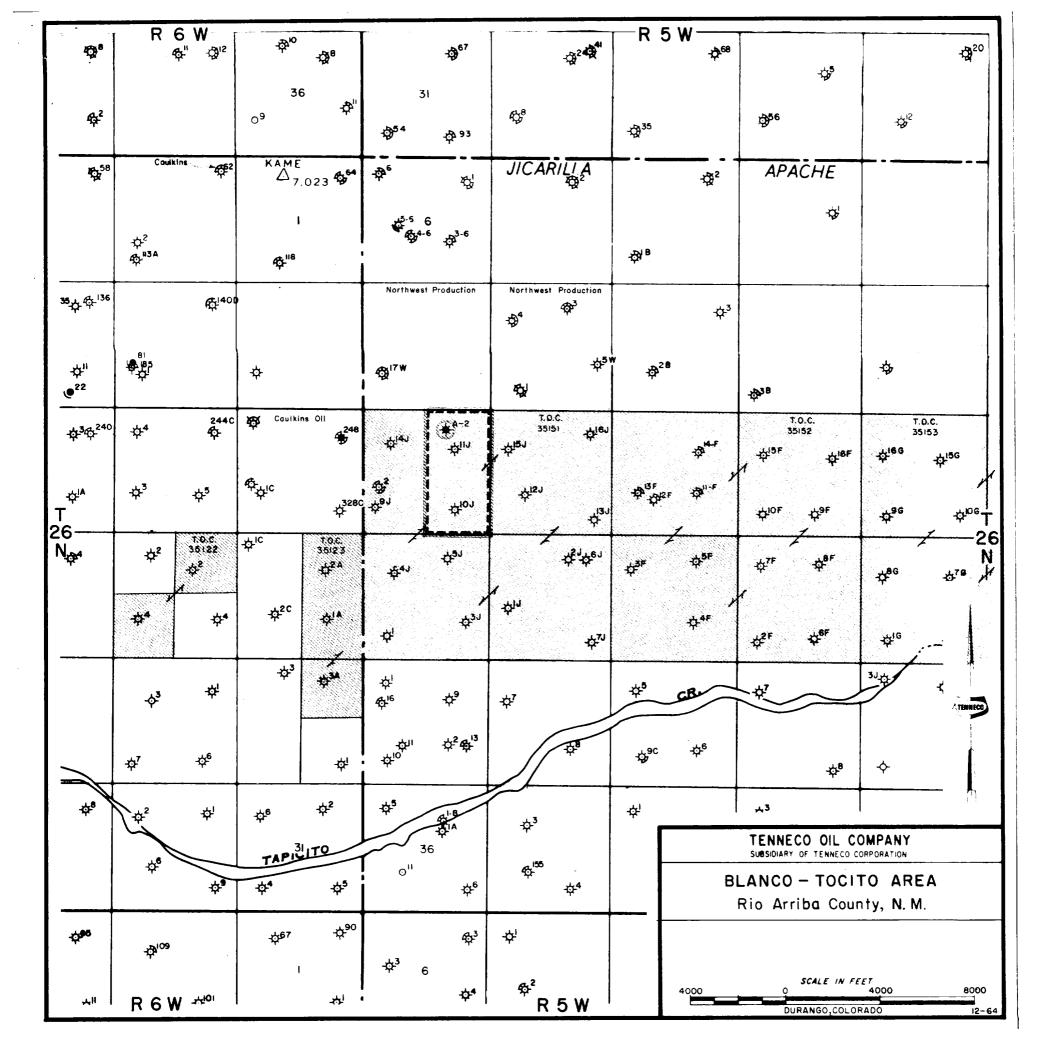
The log log, paper used for plotting the back pressure curve shall be of at least three inch cycles.

NOMENCLATURE

- Q = Actual rate of flow at end of flow period at W. H. working pressure (P_w) . MCF/da. @ 15.025 psia and 60° F.
- P_c= 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- Pw Static wellhead working pressure as determined at the end of flow period. (Casing if flowing thru tubing, tubing if flowing thru casing.) psia
- Pt Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia
- Pf Meter pressure, psia.
- hw Differential meter pressure, inches water.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- F_{DV} Supercompressability factor.
- n _ Slope of back pressure curve.
- Note: If P_{W} cannot be taken because of manner of completion or condition of well, then P_{W} must be calculated by adding the pressure drop due to friction within the flow string to P_{+} .

	OFFFVEN
STATE OF NEW MEXICO	MULIVED
COUNTY OF Rio Arriba)	MAR 9 1965 OIL COM DIST
I, L. V. Cain , beir	ng first duly sworn upon
my oath depose and say as follows:	
I am an employee of Baker Oil Tools, Inc.,	and that on 12-10-1964,
1966 I was called to the location of the	Tenneco Oil Company Company
	located in the SW NE
	, Range ,N.M.P.M., for
advisory service in connection with instal	lation of a production packer. In
my presence, a Baker Model npm Produc	tion Packer was set in this well
at 73861 feet in accordance with th	e usual practices and customs of
the industry.	
	talie bain
Subscribed and sworn to before me, a Notar	
County, New Mexico, the 516 day	of March, 1965
	tary Public in and for New July

My commission expires 7-3/66.





TABULATION OF DEVIATION TESTS

TENNECO OIL COMPANY

JICARILLA A-2

DEPTH	INCLINATION	
90' 450' 927' 1157' 1650' 1900' 2402' 2560' 2844' 3347' 3585' 4103' 4450' 4701' 4985' 5393' 5613' 5960' 6622' 6843' 7290'	1/2° 3/4° 2-3/4° 1-1/4° 2-1/2° 2-1/4° 1° 2° 2-1/2° 1-3/4° 1° 1-1/4° 1/4° 1-1/4° 1-1/4° 1-1/4° 1-1/4° 1-3/4° 3/4° 2-3/4°	MAR 9 1965 OIL CON. COM. DIST. 3
6 8 43 '	1-3/40 3/40 2-3/40 2-3/40 1-3/40 2-3/40 1-1/40	

AFFIDAVIT

THIS IS TO CERTIFY that to the best of my knowledge the above tabulation details the deviation test taken on TENNECO OIL COMPANY'S Jicarilla A-2, Blanco-Tocito-Basin Dakota Field, located in Section 18, T-26-N, R-5-W, Rio Arriba County, New Mexico.

Signed District Production Engineer

THE STATE OF COLORADO)

SS
COUNTY OF LA PLATA

BEFORE ME, the undersigned authority, on this day personally appeared J. D. Hicks known to me to be District Production Engineer for Tenneco Oil Company and to be the person whose name is subscribed to the above statement, who, being by me duly sworn on oath, states that he has knowledge of the facts stated herein and that said statement is true and correct.

SUBSCRIBED AND SWORN TO before me, A Notary Public in and for said County and State this 28th day of December, 1964.

Thang Unn Chapman

My Commission Expires November 20, 1965.

TENNERO DIL DURANGO DIS			00	
JI CARILLA				
				·
1850'FEL & " SEC. 18, T. 261				
1	•			
ELEVATION!				
KB 6676'				5 8 " @ 444'
KB-CHF 18.40				,
KB-CHF /JIII				- CEMENT TOP @ 4850
DUAL COMPLET	7/0N	,		
TOCITO GALLU		i con communica		
BASIN DAKOTA				TUBING DATA
				STRING #1: 246" IJ TAG.
-				LANDED AT 7386 W
	BAKER MODEL J	STAGE		227 173 (7363.19°),
	COLLAR @ 560	0 '		STRING "Z : Z'IL" I J TEG
	CEMENT TOP &	6270		LANDED AT 6906 W
				213 175. (6896,54').
	5 2 0.D., A.O 1/FT. @	5920		
•	GALLUP PER	ENPATIONS		
•			LN 6905	The second secon
	6917-19	8 HOLES/FT.		·
				THE REAL PROPERTY.
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	FRACED GALLUP	w/ 1070 ABIC.		Wron.
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				OIL DIST. 3
	and the second of the second o			Annual at a size size of the contract of the c
			SS 7379	· -
			LN 7385	
	. were received a second of the second of th	the second secon	SA 7386	and the second s
	DAKOTA P	ERFORATIONS	PT 7390	BAKER MODEL D PKR C 7386'
	INTERVAL	HOLES/FT.	1	
	7376			
	7397			_
	7398			FEREED DAKOTA NY 150,000 GAL.
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	7604	2		
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	7619 7625	2	P570 7470'	
·	7626	1		- The state of the
	7627		TD 7749	5 4 aD, 15,5 1/57, @ 7749
*	1.50545		1	-

LN - BAKER TYPE F LANDING MPPLE SS - BAKER SLIDMA SLEEVE

SA - SEAL ASSEMBLY

DT - PRODUCTION TUBE

TENNERO OIL CO. DURANGO DISTRICT LICARILLA "A" NO. Z 1850 FEL & 790 FNL, SEC. 18, T. 26N., R. 5 W. ELEVATION! GL 6661 8 48" @ 414" KB 6676' KB-CHF 18.40' 2 nd stage cemented w/350 sx class "C" 16 % gel. 150 sx 50-50 Poz 2 % gel (150 % theoretical DUAL COMPLETION fill volume) TOCITO GALLUP TUBING DATA BASIN DAKOTA STRING #1: 246" IJ TAG. LANDED AT 7386' W BAKER MODEL J STAGE 227 175 (7363.19). COLLAR @ 5600' STRING "Z : 216" IJ TEG LANDED AT 6906 W CEMENT TOP & 4270' 213 JTS. (6896.54'). 5 12 0.D. A.O 1/FT. @ 5920 GALLUP PERFORATIONS LN 6905 6917-19 B HOLES/FT. FRACED GALLUP W/ 1070 88LS, OL AND 40,000 # SAND. SS 7379 LN 7385 7386 SA BAKER MODEL D PKR PERFORATIONS DAKOTA PT 7390 c 7386 HOLES/FT. INTERVAL 7396 7397 FERRED DAKOTH NY 150,000 GAL. 7398 WATER AND 150,000 # SAND. 7399 7400 7401 7402 7409 2 7525 2 7527 2 7529 2 7534 75 36 2 753B 2 2 7574 Z 2

LEGEND

14: -

LN - BAKER TYPE F LANDING MIPPLE

z

PBTD 7670'

TD 7749

SS - BAKER SLIDNE SLEEVE

SA - SEAL ASSEMBLY

PT . PRODUCTION TUBE



54 00, 15.5 FT. @ 7749'