NEW MEXICO OII, CONSERVATION COMMISSION Santa Fe. New Mexico

Form C 104.

REQUEST FOR (OIL) - (GAS) ALLOWABLE

Recompletion

Form shall be submitted by the operator before an initial allowable will be arrived of to any completed Oil or Gas will Form C-104 is to be submitted in QUADRUPLICATE to the same District Office to which Form C-101 was sent the allowable will be assigned effective 7.00 A.M. on date of completion or recompletion, provided this form is filled during calendar month of completion or recompletion. The completion date shall be that date in the case of an oil well when new oil is delicated in the case of an oil well when new oil is delicated in the case of an oil well when new oil is delicated.

rea into	the stor	k tank	i. Qas musi	be imported (ni 19029 pri	Farm		N. M.		Apr:	17 5,	7, 196	1
E ARF	HERF	BY RF	OUESTIN	G AN ALLO)WABLE FO			OWN AS.					
El Pe	eso Nat	tural	Gas Co.		Cox Can				, n	SE	!4 .	NE	4
H	Company	or Ope Sec	20.	T 32	(1.25) R 11	N.V	4PM	Blanco	Nesa	Verde			Poo
		,						Re Da to Man	e: Combi	eted	2	-28-61	
San Ju					ite Spudded 6702		n ta					-20-01	
PI	lease ind	icate io	k ation		5204								
D	C	В	A	AR DIGING IN	MER/AL -								
				Perforations	·				harmadaria, suga ayan garaganin is di				
E	F	G	H	men nole			+9, 51 20 % 2 €0)	9 - 5	900		<u>.</u> . 5	874	
			X.	<u> 1. ail</u>									
L	К	J	I	Natura. Ire	1. Test:	111.	· .,	10.15	eter in <u>.</u>		·		· .
					Acid or Fract							Į.	
М	N	0	P	load bil ts	ed):	_bbls,oil,	·	_orlo water	11.	_hrs, _	⁻ 1		
				181 6 11 72	<u> </u>								
				Pestotal From	ı. lest:			iya esilirisi fa	owert	14	• 017	·	
tubing,	Casing a	nd Ceme	nting Record	d section to the	esting (pitct	, tack ,re	escure, etc	.):			-		
Sire	·····	Feet	Sax		a id om brækt							······	
10-3/	4 2	32		incke Osze_	Meith.	od of Test	t n.gr						
					ture Treatme	nt (11ve a	muset e et	e sterilas (S. A.	. 5 m 3 , − 8 . + 1		1, 7:		
7-5/8	20	72		5a -3] 1	Tukins		Water Flight	Cen		Pol	FF	HA	
5-1/2	5 9	00		asion Fress			in the Ti	ta Bu	/	1	UЦ	YEN	+
		el.			rter					MAY	-	100-	+
5.		174			EL J					SIL CO	ON.	1961	†
Remarks	s An	Inter	mitter v	as install			r on fl	June From	3 2-14c	DIS	ST. 3	COM.	
	•									\			
I h	erehu ce			rmation giver			implete to	the best of	my know	ledge			
				givei			R1.	Paso Nat	ural G	as Con	manj	ŀ	
.ppiove	- MMI	1			•		α		any or Op	16			
	OIL C	ONSEF	RVATION	COMMISSI	ON	Ry:	C, 2	E, Pe	Signature	1			
By: Or	riginal	Signe	ed Emer	y C. Armo	表 	Title	Produc Send	tion Eng Communi	ineer cations re	gardine	 ; well	to	
Title Su	pervisor	Dist. 7	# 3			Nati				:			
					1	∆dd	ress						

		_
STATE OF ME V	MEXICO	
OIL COGG PARTIES	COMM SI Termen	:0
NUMBER OF COP AS NACELYS		
b 5/ 1	7,	
SANTA FE FILE	1	
U.S.G.S.	ļ	1
LAND OFFICE		
TRANSPORTER OIL	~	
PROPATION OFFICE	7.	

NEW MEXICO OIL CONSERVATION COMMISSION Santa Fe, New Mexico

(Form C-104) [Revised 7/1/52)

REQUEST FOR (OIL) - (GAS) ALLOWABLE

New Well 3. Recompletion

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well Form C-104 is to be submitted in QUADRUPLICATE to the same District Office to which Form C-101 was sent. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during month of completion or recompletion. The completion date shall be that date in the case of an oil well when oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

					FOR A WELL KNOWN AS: Canyon, Well No. 9-20 , in SE /4	DE
	ompany (\	/1.00	W , NMPM., Blanco Mesa Verde	
				County. Date Spuddee	8-25-56 Date Completed 10-29-56)
		cate loca		, .		
D	C	В	A		72 Total Depth 5900 , P.B 5897	
E	F	G	¥		5204 Name of Prod. Form. Mesa 5204 - 5642 ; 5670 - 5874	
L.	ĸ	J	1		hoe of Prod. String.	
М	N	O	P		L	
1850) N, 9	90 E		,	shot	Mi
Castn Size	-	e menting	Record Sax		bbls. Oil in	56 M
10 3/4	232		200		al 18,621 mef/d CAOF OR CON C	
7 5/8	HOIS	2000	200		to tanks or gas to Transmission system:	
5 1/2			/ 150	distances and acceptance	g Oil or Gas: Pacific Northwest Pipeline Co	1
2		74		* · · · · · · · · · · · · · · · · · · ·		
marks:	w/ wa	ter on	ly in 2	3602 set @ 5900 sections using R	tubber Ball method	
			the infor	mation given above is	true and complete to the best of my knowledge.	
				And the second	Company or Operator) Original signed by C. Paragonia	
	IL CO	NSERV	ATION	COMMISSION	(Signature) Title District Proration Engineer	
ile	l and (Gas(Jhs	pector [)ist. #3.	Send Communications regarding well to Name Pacific Northwest Pipeline Co	mp.
					Address	n, N.

OIL CONSERVAT	TON COMMIS	SION						
AZTEC DIS	TRICT OFFIC	Ξ						
No. Copies Recei	No. Copies Received #							
DISTE	BUTION							
	NO.							
Spenitor	1							
arta Fr	/							
Signation Office								
ALL Land Office		-						
G S.								
Transporter								
File								
	1	<u> </u>						

. .

NEW MEXICO OIL CONSERVATION COMMISSION

				ህ በጠ ጥተ	ו יידוא דרים	OACV DDTG	m actros	FCM FIOD OLI			Form C-122 Revised 12-1-55
Pool	Blan	100						EST FOR GAS			
	ial XX								-		
	any Pacif										
	H									_	
Casi	ng 7 & 5	Ht	1	.D	Se	t at 59	72 00 _F	erf.		То	
	ng 2"										
	Pay: rom										12.0
	ucing Thru									-	
Date	of Complet	tion:			Packe	r	Si	ngle-Brade Reserve	enhead-G.	G. or G	.O. Dual
							ED DATA				
Test	ed Through	(TTC	ver) (Choke)	(Mettern)				Type Tap	19	40-40
			Flow D		7.2002	. 31		g Data			
No.	(Time)	(Ch		Press.	Diff.	Temp.	Press	Temp.	Press.	Temp.	Duration
	Size				h _w	°F.		°F.	_	°F∙	1
SI l.	· · · · · · · · · · · · · · · · · · ·	 	····				979		1030		Shut-In
1. 2. 3.	2	3	14	399		77	399	77	920		3 lugs.
4.		 -									
5.										<u> </u>	
						FLOW CAL	CULATIO	NS			
No.	Coeffici	ent		Pr	essure	Flow Fac	Temp.	Gravity Factor	Compre	1	Rate of Flow Q-MCFPD
	(24-Hou	ır)	√ h _w I	Pf	p si a	F.		Fg	Fpv		@ 15.025 psia
L. 2. 3. 3. 4. 5.	14,1605		 		411	.9840		.9325	1.043		5570
•											
<u>}• </u>			J								
					PR	ESSURE C	ALCULAT	IONS			
	iquid Hydro					cf/bbl.					rator Gas
avı	ty of Liqui	.а нуа		ons L-e ^{-s})		deg.		Speci P	fic Gravi 1042	ty Flow P2 10	ing Fluid
								Ç 		_	
\Box	$P_{\mathbf{w}}$,		,	<u> </u>			2 0	1	
10.	摩 (psia)	P.	f F	,Q	$(F_cQ)^2$	(F	cQ) ² -e ^{-s})	P _w 2	$P_c^2 - P_w^2$	Ca	P _w P _c
•	V (F-4-7)				i garagenti g	171	<u> </u>				W - C
2. 3.	932							868.6	217.2		4.999
										1	
	Lute_Potent		18,6	21		MCEDD -	75	/ 3.343		<u> </u>	
COMPA	MY Proific	Hort	beest !	Pipelin	e Corpe	ration;	n				
DDRE GENT	ESS 40 TITLE		st Broo		, Well	Test Eng	ineer				
	ESSED							· · · · · · · · · · · · · · · · · · ·			

					7/7		1030		11U 5-11I
PIOW CALCULATIONS Coefficient Coefficient Coefficient Compress. Pressure Flow Temp. Gravity Factor Fac		3/4	190	77	100	77	920		3 100
PLOW CALCULATIONS Coefficient	 				1				
PLOW CALCULATIONS Coefficient					 		 		
FLOW CALCULATIONS Coefficient (24-Hour) Pressure Flow Temp. Factor F	 				†				
Coefficient (24-Hour)	<u> </u>		····		 	- 	<u> </u>		
PRESSURE CALCULATIONS Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gravity of Liquid Hydrocarbons deg. Specific Gravity Flowing Flux (1-e-s) Pc 1042 Pc 1085.8 Pw Fc (psia) Pt Fc (FcQ) (FcQ) Pw Pc Pc 1042 Pc 1085.8 Pw Pw Fc (psia) Pt Fc (FcQ) (FcQ) Pw Pc Pc Pw Pw Pc Pc Pw		· · · · · · · · · · · · · · · · · · ·							
PRESSURE CALCULATIONS Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gravity of Liquid Hydrocarbons deg. Specific Gravity Flowing Flux Pc 1042 Pc 1085.8 Pw Pw Pt FcQ (FcQ)2 (FcQ)2 Pw2 Pc-Pw Cal. Pw 10932 Solute Potential: 18,621 MCFPD; n .75/3.343 WPANY Pacific Morthwest Fighline Corporation PREMARKS REMARKS		ent	Pressure						e of Flow
PRESSURE CALCULATIONS Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gravity of Liquid Hydrocarbons deg. Specific Gravity Flowing Flux (1-e-s) P _c 1042 P _c ² 1085.8 P _w P _t F _c Q (F _c Q) ² (F _c Q) ² (F _c Q) ² P _w ² P _c ² -P _w ² Cal. P _w 1932 868.6 217.2 4.5 Solute Potential: 18,621 MCFPD; n .75/3.343 MPANY Patients Fipsing Corporation NOV 2 1056		\ /\.	- .				1		
PRESSURE CALCULATIONS Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gravity of Liquid Hydrocarbons deg. Specific Gravity Flowing Flux (1-e-s) P _c 1042 P _c 1085.8 Pw P _c 1042 P _c 1085.8 Pw (psia) P _t F _c Q (F _c Q) ² (F _c Q) ² (F _c Q) ² P _w 2 P _c ² -P _w Cal. 1095.8 Pw (psia) P _t F _c Q (F _c Q) ² (F _c Q) ² (F _c Q) ² P _w 2 P _c ² -P _w Cal. 1095.8 Pw (psia) P _t F _c Q (F _c Q) ² (F _c Q) ² P _w 2 P _c ² -P _w Cal. 1095.8 Pw P _w P	1	$V N_{\mathbf{W}} \mathbf{p_f}$	psia	F	t	Fg_	Fp v	@ 1	5.025 ps:
PRESSURE CALCULATIONS Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gravity of Liquid Hydrocarbons deg. Specific Gravity Flowing Flux (1-e-s) P _c 1042 P _c 1085.8 Pw P _c 1085.8 Pw P _c 1042 P _c 1085.8 Pw									
PRESSURE CALCULATIONS Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gravity of Liquid Hydrocarbons deg. Specific Gravity Flowing Flux Pc 1042 Pc 1085.8 Pw Pw Pt FcQ (FcQ) ² (FcQ) ² Pw ² Pc-Pw Cal. Pw	17 1604		 733 	ORIN		0275	100		
Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gravity of Liquid Hydrocarbons deg. Specific Gravity Flowing Flux P _c 1042 P _c 1085.8 P _W P _t F _c Q (F _c Q) ² (F _c Q) ² P _w 2 P _c ² -P _w ² Cal. P _w 1932 868.6 217.2 4.5 Solute Potential: 18,621 MCFPD; n .75/3.343 MPANY Pacific Fortness Fipsing Corporation MPANY Pacific Fortness Fipsing Corporation MPANY Pacific Fortness Fipsing Corporation MPANY Remarks REMARKS	14,1009		411	. 7040		•7262	1.043	72	/ 0
PRESSURE CALCULATIONS Liquid Hydrocarbon Ratio of/bbl. Specific Gravity Separator Gravity of Liquid Hydrocarbons deg. Specific Gravity Flowing Flux Pc 1042 Pc 1085.8 Pw (psia) Pt FcQ (FcQ) ² (FcQ) ² Pw ² Pc-Pw Cal. Pw 1 932 868.6 217.2 4.3 Solute Potential: 18,621 MCFPD; n .75/3.343 MPANY Pacific Forthwest Fipeline Corporation DRESS 405; West Broading ENT and TITLE W. B. Richardson, Well Test Engineer INCY 2 8356		-	+	·····					
Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gravity of Liquid Hydrocarbons deg. Specific Gravity Flowing Flux (1-e^-s) P _c 1042 P _c 1085.8 P _w P _t F _c Q (F _c Q) ² (F _c Q) ² P _w 2 P _c ² -P _w ² Cal. P _w 1932 868.6 217.2 4.5 Solute Potential: 18,621 MCFPD; n .75/ 3.343 PANY Pacific Mortugest Fighing Corporation ORESS 495 West Broadwy ENT and TITLE W. B. Richardson, Well Test Engineer CNESSED PANY REMARKS			+		L				
Pw Pt FcQ (FcQ) ² (FcQ) ² Pw ² Pc-Pw Cal. Pw (psia) Pw (psia) Pw (psia) Pw (psia) Pw Cal. Pw 1 Pw	rity of Liquid	Hydrocarbons	l .	cf/bbl. deg.		Speci	fic Gravit	y Flowing	Fluid
Pt FcQ (FcQ)2 (FcQ)2 Pw2 Pc-Pw Cal. In the properties of the state of		`				- C		C	
932 868.6 217.2 4. Solute Potential: 18,621 MCFPD; n .75/3.343 MPANY Pacific Northwest Pipeline Corporation DRESS 405 West Broadway ENT and TITLE W. B. Richardson, Well Test Engineer PNESSED MPANY REMARKS	P _w	_2	42		.2	_	2 2		
932 Bolute Potential: 18,621 MCFPD; n .75/ 3.343 MPANY Pacific Morthwest Pipeline Corporation DRESS ADS West Broadway ENT and TITLE W. B. Richardson, Well Test Engineer ENESSED APANY REMARKS		Pt FcQ	(F _c Q)~	(F	(G)(P _w 2	$P_{c}^{\sim}-P_{w}^{\sim}$		$\frac{P_{\mathbf{W}}}{P_{\mathbf{C}}}$
Solute Potential: 18,621 MCFPD; n .75/3.343 APANY Facific Northwest Pipeline Corporation DRESS 405 West Broadway ENT and TITLE W. B. Richardson, Well Test Engineer TNESSED APANY REMARKS	-C (bera)			(1	-• ') 			Pw.	r _C
Solute Potential: 18,621 MCFPD; n .75/3.343 MPANY Pacific Northwest Pipeline Corporation DRESS 405; West Broadway ENT and TITLE W. B. Richardson, Well Test Engineer TNESSED MPANY REMARKS	 					·			
Solute Potential: 18,621 MCFPD; n .75/3.343 MPANY Pacific Northwest Pipeline Corporation ORESS 405; West Broadway ENT and TITLE W. B. Richardson, Well Test Engineer INESSED MPANY REMARKS	932					868.6	217.2		4.999
DRESS 4056 West Broadway ENT and TITLE W. B. Richardson, Well Test Engineer ENESSED APANY REMARKS NUV 2 856				19		-			
ORESS 405 West Broadway ONT and TITLE W. B. Hichardson, Well Test Engineer ONESSED ONE									
ENT and TITLE W. B. Richardson, Well Test Engineer ENESSED APANY REMARKS RULLING NUV 2 855	olute Potenti PANY Padific	al. 18,621 Northwest Plp	eline Corper	MCFPD;	n75	5/ 3.343			
REMARKS REMARKS RULLIUM NUV 2 8556				'Ant Ha-	1000				
REMARKS RULLIE NUV 2 8556		NO DO DIGITAL	MALL NOLL I	OB C MIR	TIMEL				
REMARKS RELIVED NOV 2 1956					······································	· · · · · · · · · · · · · · · · · · ·			
Núv 2 1958				REM	ARKS				1
NOV 2 1956							/ n	wully!	.01
OIL CON. COM. DIST. 3			7 J				No.	- กับ 9 - ราย	
OIL CON. COM. DIST. 3			***					•• ა :მე	0
DIST. 3	1			:			Inr	CON. CO	M. /
	Harmon Contract Contr	The first terminal of the second	a a action of a second	!				DIST. 3	

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 T Actual rate of flow at end of flow period at W. H. working pressure ($P_{\rm W}$). MCF/da. @ 15.025 psia and 600 F.
- P_c 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- PwT 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 méter pressure, inches water.
- FgT Gravity correction factor. ,
- F_t Flowing temperature correction factor.
- F_{pv} 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_{+} .

OIL CONSERVA		
AZTEC DIS No. Copies Rec		3
	No. Earlie de la company	[1,24] (250 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1.2650		
The state of the s	······································	- ,
1 persion		a series and a ser
Sunta l'e		·
Promition Online		
State Land Office		
USCS.		
Transporter		
Fila		

. . . .