### NEW MEXICO OIL CONSERVATION COMMISSION

### MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 1106)

<del></del>				<del></del>				<del></del>		
Name of Com				1	Addres	_	. 40 =	almakan Ma	er Mandaa	
	arisan Pet	releve Corpo	well No.				Township	dington, Ne	W Mexico	
Lease Lebato	Gas Unit	well No.	D	3		T-29-N		B-9-W		
Date Work Pe	erformed	Pool					County	•		
			ce Pictur					Juan		
			HIS IS A REP							
Beginni	ng Drilling Ope	rations	Casing Te	st and Ceme	nt Job	Į	Other (E	xplain):		
Pluggin	I		Remedial V							
Detailed acc	ount of work do	ne, nature and qu	antity of mater	ials used, a	nd res	ults obta	ined.			
with A50	ped for 3	sks Incor an O minutes, w 7/8* at 1971	dich held	with no	ind:	Leatic	n of pres	REC	E1 3 1961 CON. COM. DIST. 3	
Witnessed by	,	FILL I	Posi		IAL W	ORK R	Company EPORTS ON	ILY		
			0	RIGINAL W	ELL D	ATA			<del></del>	
D F Elev.		T D	P	BTD			Producing	Interval	Completion Date	
Tubing Diam	eter	Tubing De	pth	(	Oil String Diameter Oil String Depth					
Perforated In	terval(s)			<del></del>						
Open Hole In	terval			Ī	Producing Formation(s)					
			RE:	SULTS OF	WORK	OVER				
Test	Date of Test	Oil Proc		Gas Product MCFPD			Production 3 P D	GOR Cubic feet/Bl	Gas Well Potential	
Before Workover	lest									
After Workover										
	OIL CONS	ERVATION COM	MISSION			best of	my knowledg	ge.	above is true and complete	
Approved by	Original Si				Name R. M. Bauer, Jr.					
Title			T NO 3		Position Senior Petroleum Engineer					
Date	<u> </u>	NGINEER DIS	1. NU. 3		Compa	iny				
DEC	1 3 1961				<u>Pa</u>	n Ares	cican Pet	roleum Corr	Deration	

STATE OF NEW MEXICO

OIL CONSERVATION COMMISSION

AZTIC DISTRICT OFFICE

NUMBER OF COPIES RECEIVED

DISTRICT OFFICE

U.S.G.S.

LAND OFFICE

TRANSPORT R

OIL

FROMMILJI OFFICE

OPERATOR

NUMBER OF COFIE	S ECEIVE		
Dis	TRIBUTION		
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LAND OFFICE			
	OIL		
TRANSPORTER	GAS		
PRORATION OFFI	CE		
OPERATOR.			

## NEW MEXICO OIL CONSERVATION COMMISSION

FORM C-103 (Rev 3-55)

# MISCELLANEOUS REPORTS ON WELLS

PRORATION OFFICE		(Sub	mit to appro	priate [	District	Office	as per C	ommiss	ion Rule 1106	5)		
Name of Company	merican Pet	roleum Cor	peration		Addres:		480,	Farmir	ngton, New	Mexico		
Lease			Well No.	Unit	Letter		Townsh		Rang			
	o Gas Unit		1			<u> </u>	County	San Ji		15-y-16		
late Work Perform	, 1961	Pool Menco Pic			·C1 1				1 an			
Beginning D	rilling Operation		IS A REPORT						n): Frac			
Degining D	iming Operation		Remedial Worl		,	· ·						
Detailed account	of work done, na				and resu	ılts obta	ined.					
on coment f drop in pre Perforated	1-1/2 pound or 3 days t ssure. Pictured Cl	s Tuf Plug ested cash	per sack ag and es	follment  r foo	owed in job with the second se	by 50 1th 30 3-2249	sacks 100 psi	Incor for	neat. Af 15 minutes these per	ter waiting , with no forations		
with 29,800 Pressures w 46 barrels Landed 1-1/	gallons wa ere: Break per minute.	ter contain down 1350 Currently	ning l pe pai; aver	rcent wee t	cale: reati	ium ch	loride	and ;	30,000 p <b>o</b> u	nds of sand.		
Witnessed by			Position	<del></del>			Company		ت ينما	20 1961 ON. COM		
		FILL IN B	ELOW FOR				E PORTS	ONLY				
D F Elev.	T D		ORI PBT	GINAL TO	WELL D	ATA	Produc	ing Inter	val IC	ompletion Date		
D F Elev.					<u> </u>					· · · · · · · · · · · · · · · · · · ·		
Tubing Diameter		Tubing Depth		Oil String Dia			eter		Oil String De	pth		
Perforated Interv	al(s)	1							<del></del>			
Open Hole Interv	al				Produci	ng Forma	ation(s)					
			RESU	LTS OF	WORK	OVER						
Test	Date of Test	Oil Product BPD		Produc MCFPI			Productio BPD		GOR abic feet/Bbl	Gas Well Potential MCFPD		
Before Workover			Ì									
After Workover												
	OIL CONSERVA	TION COMMISS	ION			best of	my know	ledge.	-	ove is true and complete		
Approved by	Original Si	ydrick			Name		RIGINAL R. M. E	Bauer, Jr				
Title PETR	Title PETROLEUM ENGINEER DIST. NO. 33						Position Senior Petroleum Engineer					
					3	enlor	Petro.	Team P	ugrneer			

	1			
	x			

# NEW MEXICO OIL CONSERVATION COMMISSION Santa Fe, New Mexico

### WELL RECORD

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPLICATE. If State Land submit 6 Copies

LOCAT	ARBA 640 ACRE TE WELL CORR OTION PO	BCTLY	orporation			Lobato	Gas Unit "D"		
	(C	company or Oper	itor)				(Lease)		
	Pictured								
				•			leet from		
								19.	
	-							·	
evation abo	ve sea level at	Top of Tubing	Head 560	5, (GT)		The inf	ormation given is to	be kept confidential	
t cenfi	dential		, 19						
			O	IL SANDS OR ZO	)NES				
. 1, from	2243	to	2249	No. 4,	from.		to.		
								:	
. 3, from		to	)	No. 6,	from		to.		
			IMPO	RTANT WA <b>TE</b> R	SANI	<b>15</b>		2511	
				water rose in hole			0	THVFN	
•							- 1	nriirn /	
•							1 00	N8 1962	
-							1012	CCN. CO	
. 4, from		**************	to	*		••••••	feet	DIST. 3	
			· · · · · · · · · · · · · · · · · · ·	CASING RECO	BD				
SIEE	WEIGHT PER FOO			KIND OF SHOE	PULL	T AND ED FROM	PERFORATIONS	PURPOSE	
-5/8"	22,7	Hew	1831	Guide				Surface	
-1/2"	10.5	Nev	23261	Quide				Oil string	
							•		
			MUDDING	AND CEMENT	NG B	ECORD			
SIZE OF HOLE	SIZE OF CASING	WHERE	NO. SACES OF CEMENT	METHOD USED		MUD GRAVITY		AMOUNT OF MUD USED	
2-1/4"	8-5/8	1961	165	Halliburton	1 J	lug			
7-7/8*		23231	700	Halliburto	m 2	plus		<del></del>	
7-7/8-	4-1/4	2323	700			7			
			RECORD OF	PRODUCTION A	nd s	TIMULA!	TION		
				io. of Qts. or Gale					
								249°. Sand wa	
racked	with 29,8	00 gallon	s of water o	containing 1	per	sent Ca	lcium Chloric	le and 20,000	
unds o	f sand.					***********	***************************************		
				****************		***************************************	040040		
esult of Pro	duction Stimu	lation Comp	leted as sh	rt-in gas we	11 B	lanco l	ictured Clif	's Field Decemb	
1061	. flowed	3 hours a	nd gauged 2)	L48 MCF per Top pay Pict	SET 1	nteu ei	morum htasanı	a trousing roo b	

# RECORD OF DRILL-STEM AND SPECIAL TESTS

That is the second

RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto

### TOOLS USED

Comple Cliff: Put to P	on were n				and non		feet to
	ted a	s shut- ! Well		UCTION	and from	••••	feet to feet
OIL WE	roducing	i e le grej de les General III e le grej	December 22 , 19 61	1 to 14 to 1		i.,	er ger
	ELL: T	ne product	on during the first 24 hours was	148	ba	rrels of lic	quid of which% wa
			% was emulsion;				and the second s
GAS WE	ELL: Th	e producti	on during the first 24 hours was	14.0	MCF -	a	
			carbon. Shut in Pressure			ius	barrels o
Ti1			31. house		<i>E                                    </i>		
				•			
PLE	ase ini	DICATE 1	BELOW FORMATION TOPS (IN CON Southeastern New Mexico	FORMAN	CE WIT	H GEOGI	The state of the s
Γ. Anhy	y <b></b>		T. Devonian	•		Т.	Northwestern New Mexico Ojo Alamo
			T. Silurian				Kirtland-Fruitland 1908
			T. Montoya			<b>T.</b>	Farmington
			T. Simpson				Pictured Cliffs 2240
			T. McKee				Menefee
			T. Gr. Wash				Point Lookout
			T. Granite				Dakota
			T				Morrison
			T				Penn
			T				
			T		·····		
Γ. Miss.		·	T			Т.	
	ı		FORMATIO	N RECC	ORD		
From	То	Thickness in Feet	Formation	From	То	Thickness in Feet	Formation
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240	1906	444					1
240	1700	000	Kirtland shale including Farmington sand and shale.	<u>.</u>	1		
200	0010	800			1		
906	2240	. 332	Fruitland sands, shales, and coals.		,		•
240	2323	<b>8</b> 3	Pictured Cliffs sand and shale.				
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			_				
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			4 TT 4 TT 1 TT 1 TT 1 TT 1 TT 1 TT 1 TT	ADDITION	NAL SPA	CE IS NE	CEDED
			ATTACH SEPARATE SHEET IF				
I here	eby swear	or affirm			and correct	record of	the well and all work done on it so for
I here	eby swear determine	or affirm	that the information given herewith is a ailable records.				4.5 miles
s can be	determine	d from ava	that the information given herewith is a ailable records.	complete a	Janus	<b>7</b> 2, 1	962
can be	determine	d from av	that the information given herewith is a	complete a	Janus	<b>7</b> 2, 1	962

### NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

# MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS Revised 12-1-55

Poc	Pool Blance Pictured Cliffs Formation Pictured Cliffs County San Juan										
Ini	Initial X Annual Special Date of Test 12-39-61										
Company Pan American Petroleum Cor p. Lease Lebate Gas Unit "D" Well No. 1											
	Unit D Sec. 3 Twp. 29-8 Rge. 9-N Purchaser N3 Page Natural Gas Company										
Cas	ing <u>  1/2</u> V	/t	I.D.	<u> </u>	<b>)90</b> Se	t at 232	<b>3</b> Pe	rf. 22	<b>U</b>	То 22	19
Tub	oing lel/A V	/t	I.D.	_1.5	<b>60</b> _Se	t at <b>22</b>	<b>7</b> Pe	rf		To -	
Gas	Pay: From_	2243	To 22	19	_L <b>22</b>	<b>x</b>	G <b>.65 (1</b>	ST)-GL_1	<b>160</b>	Bar.Pre	ess <u>12</u>
Pro	ducing Thru:	Casi	ng	<u> </u>	Tu	bi.ng		Type We	11_81_	Lo-Gas	
Dat	e of Complet	ion: <u>12</u>	-22-61		Packe	r_ <b>None</b>	Sin	gle-Brade Reservo	enhead-G. oir Temp	G. or C	G.O. Dual
						_	ED DATA		_	<u> </u>	
Tes	ted Through	( <b>Carror</b>	(Cho	ke)	(000000)				Туре Тар	s.	
	<del></del>	F1	ow Data				Tubing	Data	Casing D	ata	
	(Datases)	(Chok	e) Pr		Diff.	Temp.		Temp.	Press.		
No.	(Line) Size	Siz	e p	sig	$h_{\mathbf{W}}$	°F.	psig	o <sub>F</sub> .	psig	o <sub>F</sub> .	of Flow Hr.
SI	7 Days		st-la	7.6		60 ook	876	60" 006	876	60°est	
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4.								<b></b>			
		<del> </del>			<u>l</u>			<u> </u>		<del></del>	
							CULATION				
No.	Coeffici	ent		Pr	essure		Temp.	Gravity Factor	, -		Rate of Flow Q-MCFPD
NO.	(24-Hou	r)  ¬	$\sqrt{\mathtt{h_{\mathbf{w}^{\mathbf{p}}\mathbf{f}}}}$		psia	F		Fg	Fpv		@ 15.025 psia
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2.								<u> </u>			
2. 3. 4. 5.											
<del>4.</del> 5.				-		<del></del>				<del></del> +	
				<del></del>	PRI	ESSURE CA	ALCUI ATI	ons	<del>- 1</del>		
	Liquid Hydro ity of Liqui				<del>-,</del>	cf/bbl. deg.					rator Gas ring Fluid
	icy of Liqui	•	(1-e			aeg.		P <sub>C</sub> _	eravi	P2 7	
Ŭ- <u>-</u> -								<del></del>			
т	$P_{\mathbf{w}}$		<del> </del>								
No.		$P_{\mathbf{t}}^2$	F <sub>c</sub> Q		$(F_cQ)^2$	(F,	cQ) <sup>2</sup> -e <sup>-s</sup> )	P <sub>w</sub> 2	$P_c^2 - P_w^2$	Ca	P <sub>w</sub>
	Pt (psia)		ļ			(1.	-e <sup>-s</sup> )		- Care - 4 a a	P	P <sub>C</sub>
±:-	230		<del> </del>	$\dashv$				2,900	735,644	<del></del>	
3.										en	
<u>4.</u>			<b>_</b>						/	Pri.	
			<u> </u>							INFOL	
COM	olute Potent PANY <b>PAN AM</b> R		266 STROLLS	N CO	RPORATE (	MCFPD;	n 0,85		— (	JAN1	1 1962
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	NESSED PANY		·		<del>.,</del>		· · · · · · · · · · · · · · · · · · ·	<del></del>		-	
			<del></del>			REM	ARKS				<del></del>

#### 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 I 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.
- 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.
- $h_{\mathbf{W}}^{\perp}$  Differential meter pressure, inches water.
- Fg Gravity correction factor.
- $F_{t}$  Flowing temperature correction factor.
- F<sub>DV</sub> Supercompressability factor.
- n I Slope of back pressure curve.

Note: If  $P_{\mathbf{W}}$  cannot be taken because of manner of completion or condition of well, then  $P_{\mathbf{W}}$  must be calculated by adding the pressure drop due to friction within the flow string to  $P_{\mathbf{t}}$ .