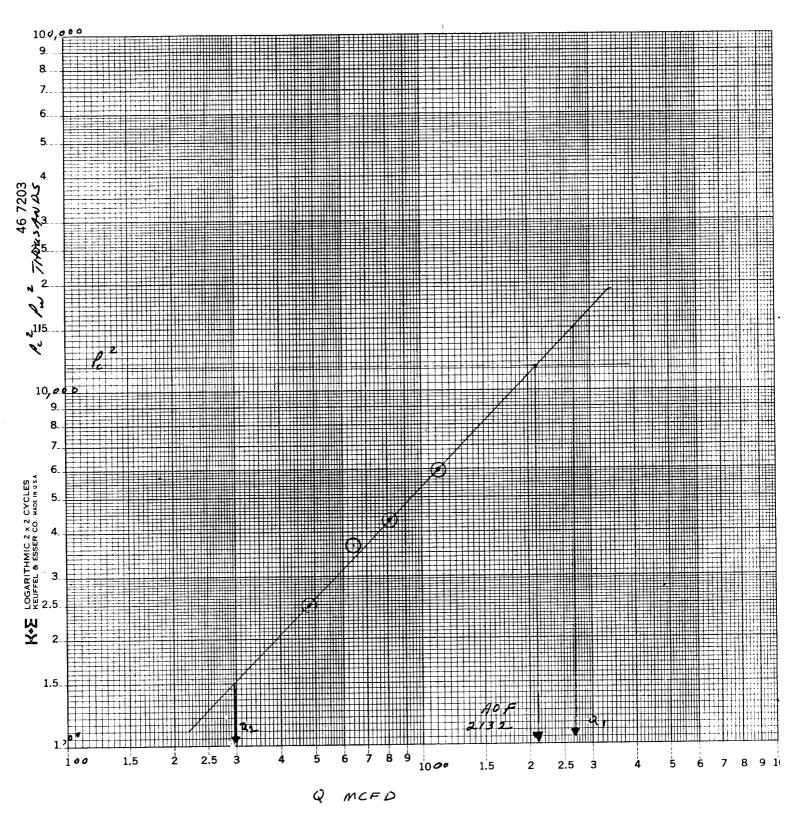
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL



			•	•				٠			•			RECE	IVED	вү	
Type	Test	<u> </u>		··							Test D	ale	1	FEB	19 19	87	1
Type Test Initial				Annual				X Spec	X Special 2-10-87			ł	O. C. D.				
Company					Connection El Paso #58-807-01				1			- 1	ADTE	SIA, OF	FICE		
						Formati	Formation					L	11.11				
Und	lesigna	ted N:I	tl. 10%	s (sup Wo	സ്ക	Mor								<u> </u>	Lagas N		
Completion Date Total Depth							Plug Back				an	Farm or Lease Name					
			10,400			\dashv	10,294 Perforations:			3612.5 GR				State BY			
(Sil. 2) 22		4.950 10						To 10,124		Unit Sec. Twp. Rgs.		Rus.					
The Size Wi.				Perforation From		ne: To		'o	.		F	7	185	28E			
2 3/8 4.7 Type Well - Single - Prodenhead			1.995 10,044			1	Packer Set			Al			County	····			
	ngle	10 - 111100	,•							10,044				Eddy			
	icing Thru	P	8891VC	···			ual	al Temp. °F Baro. Pres			is P _q			New Mexico			
Tbg			58:4		20	60 % CO ₂		% N 2	13.2	6 H ₂ l		Pro	AOL	Motor		Taps	
10.	L ,044	н 10,04	4	.670		.874		.5	1	-0		1	****	4.02		F1g	
				OW DATA							DAT			ASING			uration of
NO.	Provet Line	χ -	rifico	Press.		Dill.		Temp.	Press p.s.i.e			L Sub•	i	055. 0.1. g .	Tomp		Flow
	Size		Sizo	p.s.l.g.	+	··W	\dashv		2375							1 2	4 Hrs
SI I	4 X 1.	500		525	\perp	2.25		70	2080		64		Pkr				Hr
2.	4 X 1.	500		525	\bot	4		70	1925			69 Pkr					Hr Hr
3.	4 X 1.			529	-	6.25		70	1845		73						Hr
5.	4 X 1.	500		533	+	11.9									<u></u>		
3.1				<u> </u>		RATE	0		CALCUL	AT							
	Coelli	cient	_		•	Pross	m.	1	w Temp. Factor		Grav Fact	-		Supor		Rate of I	
NO.	(24 H	iour)		h _w P _m		P	n		FI,	<u> </u>	Fg		F	actor, Fp		Q, Mc	
1	10.842	2	34	.80		538.2		.99		7	2217			056	48 64		
2	10.842			.40		538.2			05	1	2217 2217			.056 .057	80	7	
3	10.842			3.21 542.2 0.62 546.2			.9905			1.2217			.058 1119				
5	10.042											00 0					
	Pr	Temp	•R	Τį		z			ydrocarbon			<u> 29.3</u>		64 °			McI/bbl.
ΝО.	80	530		1.39	.8	96	A.F	o.], Gravil) ocific Grav	y of Liquid Hy Separate	нуал ж Са		.670			x <u>x</u> x	XXXX	XXX
2.	.80	530		1.39		96	Specific Gravity Flowing Fluid XXXXX										
3.	.81	.530		1.39		95			erature <u>38</u>					P. \$.	I.A		_P.5.I.A. R
4.	.82	530		1.39	.8	94	Cri	Ilical Temp	erature	24							
5 F:-	3409.	2 Fc ²	1622	2.6_				P. 2	_	1	96		(2)	₽.2]n	1.90)5
NO	P, 2	P,	,	P _w ²		2 - R,2	{1	P ₂ - 1	u 2 .		•		`"'	₽2 ~ F	2		
1		3023		9139.7 7959.2		82.9 63.4											
3		282		7269.5		51.1	AC	or = 0	$\frac{R^2}{R^2-R}$	_]'	n <u> </u>	2131	.6	-			
4		238		5679.6		143			_ R ² - R	²]							
5]		<u> </u>		L			$\overline{}$	 -				•)59
Absolute Open Flow 2131.6 McId 6 15.025 Angle of Slope 6 460 13 Slope, n. 958																	
Fluid produced during test 4.34 bbls. cond. and 0 bbls water																	
Remarks:																	
1	royad Hv	Commissio	ni	Condu	civd	Вуі			Calcula	ed B	γı			i	od Dy:		
Approved By Commission: Conducted By: Lon Briley Lon Briley Doug Conklin																	

STATE BY No! UNIT F 7-185-286 Eddy County, N.M. February 10,1987



Q1 = 2675 MCPD, Log 3.427323786 Q2 = 295 MCPD, Log 2.469822016 h = .95750177 = .958

"Le our Interest in Measurement be our Concern'



PRECISION SERVICE INC.

Flow Measurement Engineers Analysis Results Summary Casper, WY 82601

Run No.	215-4
Date Run	02/15/87
Date Sampled	02/10/87

Lease: STATE BY			Producer	ARCO OIL & GAS	
Location STA	¥# 58-807-01		County	EDDY State	NEW MEXICO
Purpose F (OUR POINT		Sampled By	D.CONKLIN	
Sampling Temp. 70) °F		Atmos Temp	75 °F	
Volume/day 1.1	.00 MCF		Formation	MORROW	
Pressure on Bomb 5.3	30		PSIG; Line Press	sure 543.2 PSIA F	sig
. 1033010 011 201110					
	Gas Comp	onent	Analysis	Press. Base: 14.6	
	Mol. %	Liq. %	GPM Per MCF		
Carbon Dioxide CO ₂	.874			BTU Dry	1135
Oxygen O ₂				BTU Wet	1115
Nitrogen N ₂	. 554			Calc. Specific Gravity	<u>. 65</u> 6
Hydrogen Sulfide H ₂ S					
				@ Std. Press.	
Methane C1	86.550			BTU Dry	1138
Ethane C2	7.699		2.048	BTU Wet	1118
Propane C3	2.922		.801		
Iso-Butane IC4	. 361		.117	Calc. Vap. Press. #/Sq.In.	
Nor-Butane NC4	. 609		. 191	Reid Vap. Press. #/Sq.In.	
Iso-Pentane IC5	.164		.060	Z Factor	.9973
Nor-Pentane NC5	.115		.042	N Value	1.2906
exanes plus	. 151		.069	Ave Mol Wt	18.9456
Hexanes C6				Ave Cu Ft/Gal	
Heptanes Plus C7+				Run by JEFFREY A.	PROPP
Total	100.000		3.328	Calculated By JEFFREY A.	PROPP
			4 4		
Pentane + G.P.M.					,
opane + GPM			1.280		
-tb Gasoline			. 254		
marks: FIELD (GRAV.: 0.670				
		<u> </u>			
Distribution:					

DISTRIBUTION SANTA FE	Ai Ai	R ALLOWABLE ND	Porm C-104 Supersedes Old C-104 and C-110 Effective 1-1-65				
U.S.G.S.	AUTHORIZATION TO TRANS	PORT OIL AND NATURAL GAS	,				
LAND OFFICE	RECEIVED	51					
TRANSPORTER GAS V	JUN 27 19	85					
OPERATOR V	0.50						
PRORATION OFFICE	O. C. D						
Operator ARCO Oil and Gas Co	c Richfield Company						
Address	C KICHITCIA VOMPANI						
P. O. Box 1710, Hob	bs, New Mexico 88240	Other (Please explain)					
Reason(s) for filing (Check proper box)	Change in Transporter of:	This well has been placed	in the pool designated				
New Well A	Oil Dry Gas	below. Please notify the	Commission within 10				
Change in Ownership	Casinghead Gas Condensate		n agreement with this				
		action.					
If change of ownership give name and address of previous owner							
	FASE N. Illinois Can	or Warren					
DESCRIPTION OF WELL AND L	Well No. Pool Name, Including Form	dtion Kind of Lease	Legae No. Fee State V-328				
State BY	1 Wildest Morrow f	State, Federal or	Fee State V-328				
Location		1090	West				
Unit Letter F : 1980	Feet From The North Line of	and 1980 Feet From The	MESC.				
7	aship 18S Range 28I	E , NMPM,	Eddy County				
Line of Section / Town	isinp 100						
DESIGNATION OF TRANSPORT	ER OF OIL AND NATURAL GAS	Aidress (Give address to which approved	copy of this form is to be sent)				
Name of Authorized Transporter of Off		Roy PARC ARIA	WE TEMS 19604				
Pride Pipeline Con Name of Authorized Transporter of Cast	nohead Gas or Dry Gas	BOX RA36 A RILLA Address (Give address to which approved	d copy of this form is to be sent)				
Name of Authorized Transporter of Cast		Roy 1492 EL PA	SO // EXAS 79978				
EL Paso Natura	Unit Sec. Twp. P.ge. 1	s gas actually connected? When	/ /				
If well produces oil or liquids, give location of tanks.	F : 7 : 185:28E	-No YES	7/22/86				
If this production is commingled with	h that from any other lease or pool, gi	ive commingling order number:					
. COMPLETION DATA	Oil Well Gas Well	New Well Workover Deepen	Plug Back Same Restv. Diff. Restv.				
Designate Type of Completio	n – (X)	х					
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D. 10,294'				
4/12/85	6/10/85	10,400' Top Oil/Gas Pay	Tubing Depth				
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing . Comment	10,116'	10,010'				
3612.5' GR	Morrow Gas	,	Depth Casing Shoe				
Perforations 10.116.117.118.119	120, 121, 122, 123, 124'						
10,110, 117, 110, 112,	DBING, CASING, AND	CEMENTING RECORD	SACKS CEMENT				
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	500				
17 ¹ 2"	13-3/8" OD 8-5/8" OD	2600'	1150				
11"	5½" OD	10400'					
7-7/8"	2-3/8" OD	10010'					
V. TEST DATA AND REQUEST F	OR ALLOWABLE (Test must be of	ter recovery of total volume of load oil a pth or be for full 24 hours)	and must be equal to or exceed top allow-				
OIL WELL	Date of Test	Producing Method (Flow, pump, gas life	t, etc.)				
Date First New Oil Run To Tanks	22,6 0. 1001						
Length of Test	Tubing Pressure	Casing Pressure	Choke Size				
Length of 1999		Water - Bble.	Gas - MCF				
Actual Prod. During Test	Oil-Bbls.	WEGGT - BDIG.	·				
	<u> </u>						
040 977 7			Gravity of Condensate				
GAS WELL Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate 59, 20				
CAOE 3,600	4-pt	Casing Pressure (Shut-in)	Choke Size				
Testing Method (pitot, back pr.)	Tubing Pressure (Shut-in)	Pkr	Various				
back pr.	2882#		ATION COMMISSION				
VI. CERTIFICATE OF COMPLIA	NCE	NOV	24 1986				
a a construction of a miles and	i regulations of the Oil Conservation with and that the information given	Original Signed By					
Commission have been complied	with and that the information given he best of my knowledge and belief.	BYEs A. Clements					
above is true and complete to t	ne dest of my mine with the	TITLE Supervisor District II					
		111.00	compliance with RULE 1104.				
6.2		11	PERSONNEL TO ACT A CAPTURE OF COMPANY				
Elzabelu & B	endiwe)	well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.					
Drlg. Engr.		Att sections of this form m	nat pe tilled out combiniers tot errow-				
DIE. Bugi.	Tule)	able on new and recompleted w	w we and to for changes of owner,				
6/18/85	<u> </u>	Fill out only Sections I. II. III, and VI for changes of owner, well name or number, or transporter or other such change of condition.					
•	(Date)	Separate Forms C-104 mu completed wells.	at be filed for each pool in multiply				
		!! combiging ages.					