

Submit in duplicate to
appropriate district office.
See Rule 401 & Rule 1122

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-625
Revised 4-1-91

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator OXY USA						Lease or Unit Name Elizando Fed A					
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 3-9-92		Well No. 2Y			
Completion Date		Total Depth 11742		Plug Back TD 11038		Elevation		Unit Ltr. - Sec. - TWP - Rge. 21 21 27			
Csg. Size 5 1/2	Wt. 17#	d	Set At 11742	Perforations: From: 10560 To: 10895				County Eddy			
Tbg. Size 2 7/8	Wt. 6.5	d	Set At 10458	Perforations: From: To:				Pool La Huerta Atoka			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single						Packer Set At 10458		Formation Atoka			
Producing Thru TBG		Reservoir Temp. °F 178 @ 10425		Mean Annual Temp. °F .60		Baro. Press. - P 13.2		Connection			
L *10425	H 10425	Gg .632	% CO ₂ .41	% N ₂ .90	% H ₂ S	Prover		Meter Run 4.026		Taps FLG	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI						3120		PKR		72 hr
1.	4 X 1.000		359	1.00	66	2770		"		1 hr
2.	4 X 1.000		371	4.00	66	2610		"		1 hr
3.	4 X 1.000		371	10.20	66	2310		"		1 hr
4.	4 X 1.000		371	16.00	66	2130		"		1 hr
5.										

RATE OF FLOW CALCULATIONS							
NO.	COEFFICIENT (24 HOUR)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg.	Super Compress. Factor, F pv.	Rate of Flow Q, Mcfd
1.	4.753	19.29	372.2	.9943	1.258	1.037	119
2.	4.753	39.20	384.2	.9943	1.258	1.039	242
3.	4.753	62.60	384.2	.9943	1.258	1.039	387
4.	4.753	78.40	384.2	.9943	1.258	1.039	484
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	19.2 Mcf/bbl.
1.	.55	526	1.42	.930	A.P. I. Gravity of Liquid Hydrocarbons	48.0° @ 60° Deg.
2.	.57	526	1.42	.927	Specific Gravity Separator Gas	.632
3.	.57	526	1.42	.927	Specific Gravity Flowing Fluid	XXXXXX
4.	.57	526	1.42	.927	Critical Pressure	670 P.S.I.A.
5.					Critical Temperature	368 R

P _c	3243.4	P _c ²	10519.6
NO.	P _t ²	P _w	P _w ²
1.		2904.6	8436.7
2.		2734.2	7475.9
3.		2393.2	5727.4
4.		2183.0	4765.5
5.			

1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.828$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = .885$

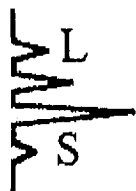
(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.828$

Absolute Open Flow	885 Mcfd @ 15.025	Angle of Slope θ	45	Slope, n	1.000
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Remarks: *= BHP Instrument set @ this depth

Well made 1.5 BBLs 48.0° API Gr. Condensate During Test.

Approved By Division	Conducted By: PRO WELL TESTERS	Calculated By: BM	Checked By: BM
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Laboratory Services

1331 Tasker Drive
Hobbs, New Mexico 88240

Telephone: (505) 397-3713

FOR: Pro Well Testing & Wireline
Leonard Abney
P. O. Box 791
Hobbs, New Mexico 88240

SAMPLE
IDENTIFICATION: Elizando Fed. A-2-Y
COMPANY: Oxy
LEASE:
PLANT:

SAMPLE DATA:	DATE SAMPLED:	03-09-92	GAS (XX)	LIQUID ()
	ANALYSIS DATE:	03-09-92	SAMPLED BY:	Leonard Abney
	PRESSURE - PSIG	360.00	ANALYSIS BY:	Rolland Perry
	SAMPLE TEMP. °F			
	ATMOS. TEMP. °F	66.00		
REMARKS:	Eddy Co. N. M.			

COMPONENT ANALYSIS

COMPONENT		MOL PERCENT	GPM	
Oxygen	(O2)			
Hydrogen Sulfide	(H2S)			
Nitrogen	(N2)	0.90		
Carbon Dioxide	(CO2)	0.41		
Methane	(C1)	89.84		
Ethane	(C2)	5.75	1.534	
Propane	(C3)	1.67	0.458	
I-Butane	(IC4)	0.31	0.101	
N-Butane	(NC4)	0.36	0.113	
I-Pentane	(IC5)	0.18	0.066	
N-Pentane	(NC5)	0.10	0.036	
Hexane	(C6+)	0.48	0.197	
Heptanes Plus	(C7)	0.00	0.000	
		100.00	2.505	
BTU/CU.FT. - DRY		1107	MOLECULAR WT	18.3122
AT 14.650 DRY		1104		
AT 14.650 WET		1084	26# GASOLINE -	0.337
AT 15.025 DRY		1132		
AT 15.025 WET		1112		
SPECIFIC GRAVITY -				
CALCULATED		0.632		
MEASURED		0.000		

SUGGESTED FIELD DATA SHEET (Not Required To File)									
Type Test ☒ INITIAL ☐ ANNUAL ☐ SPECIAL	Test Date 3-9-92						Lease No. or Serial No.		
Company Oxy USA							Allottee		
Field		Reservoir		Location		Unit			
Completion Date		Total Depth 11742	Plug Back TB 11038		Elevation		Farm or Lease Name Elizando Federal		
Csg. Size 5½	Wt. 17 d	Set At 11742	Perforation From 10560		To 10458	Well No. A 2Y			
Tbg. Size 2 7/8	Wt. 6.5	2.441	Set At 10458	Perforation: From To		Sec. 21		Top-dlx. 21	Rge. 27
Type Completion (Describe) single					Packer Set At 10458	County or Parish Eddy			
Producing Thru Tbg		Reservoir Temp. F		Mean Annual Temp. F		Bore Press. - P _a		State New Mexico	
L	H	G _g .632	% CO ₂ .41	% H ₂	% H ₂ S .90	Prover		Meter Run 4,026	
DATE Time of Reading	ELAP. TIME Hrs.	Wellhead Working Pressure			METER OR PROVER				REMARKS (Include Liquid Production data) Type-A.P.I. Gravity-Amount
		Tbg. Psig	Csg. Psig	Temp.F	Pressure Psig	Diff.	Temp.F	Orifice	
SI	72	3120	Pkr.						I-10 100"-1000#
1st	1	2770	"		6.1	1.0	66	1.000	119 MCF.
2nd	1	2610	"		6.2	2.0	66	1.000	242
3rd	1	2310	"		6.2	3.2	66	1.000	387
4th	1	2130	"		6.2	4.0	66	1.000	484
		BHP @ 10425							1½ BBLs
		SIP =		4133.94 + 13.2					48 @60
		1st =		3728.77					Cond.
		2nd =		3520.63					
		3rd =		3103.71					
		4th =		2826.61					
Page _____ of _____ Data By _____									