

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

State of New Mexico
1 ge, Minerals and Natural Resources Department

Form C-122
Revised 4-1-91

OIL CONSERVATION DIVISION

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

dsf

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator ORVX ENERGY				Lease or Unit Name CONOCO, STATE			
Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 8-28-95		Well No. 2	
Completion Date 6-20-95		Total Depth 7750		Plug Back TD		Elevation	
Unit Lr. - Sec. - TWP - Rgc. 2-22-23		County EDDY		Pool			
Csg. Size 7"	Wt. 26#	d 6.276	Set At 7750	Perforations: From: 7330 To: 7450			
Tbg. Size 3 1/2	Wt. 9.3	d 2.992	Set At 7280	Perforations: From: To:			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single				Packer Set At 7280		Formation CISCO UPPER CANYON	
Producing Thru TBG		Reservoir Temp. °F 147 @ 7270		Mean Annual Temp. °F 60°		Baro. Press - P 13.2	
Connection SALES							
L 7280	H 7280	Gg .629	% CO ₂ .54	% N ₂ .85	% H ₂ S	Prover	Meter Run 3.826
						Taps FLG.	

FLOW DATA						TUBING 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						238				24 hr.
1.						250				24 hr.
2.										
3.										
4.										
5.										

RECEIVED
SEP 22 1995
OIL CON. DIV.
DIST. 2

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.							4,369
2.							
3.							
4.							
5.							

GAS VOLUME FROM THIAL FLOW METER

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					4369	
2.					A.P. I. Gravity of Liquid Hydrocarbons 56.8	Deg.
3.					Specific Gravity Separator Gas .629	XXXXXXXXXX
4.					Specific Gravity Flowing Fluid .7507	GMIX .630
5.					Critical Pressure 671	P.S.I.A. 670 P.S.I.A.
					Critical Temperature 375	R 368 R

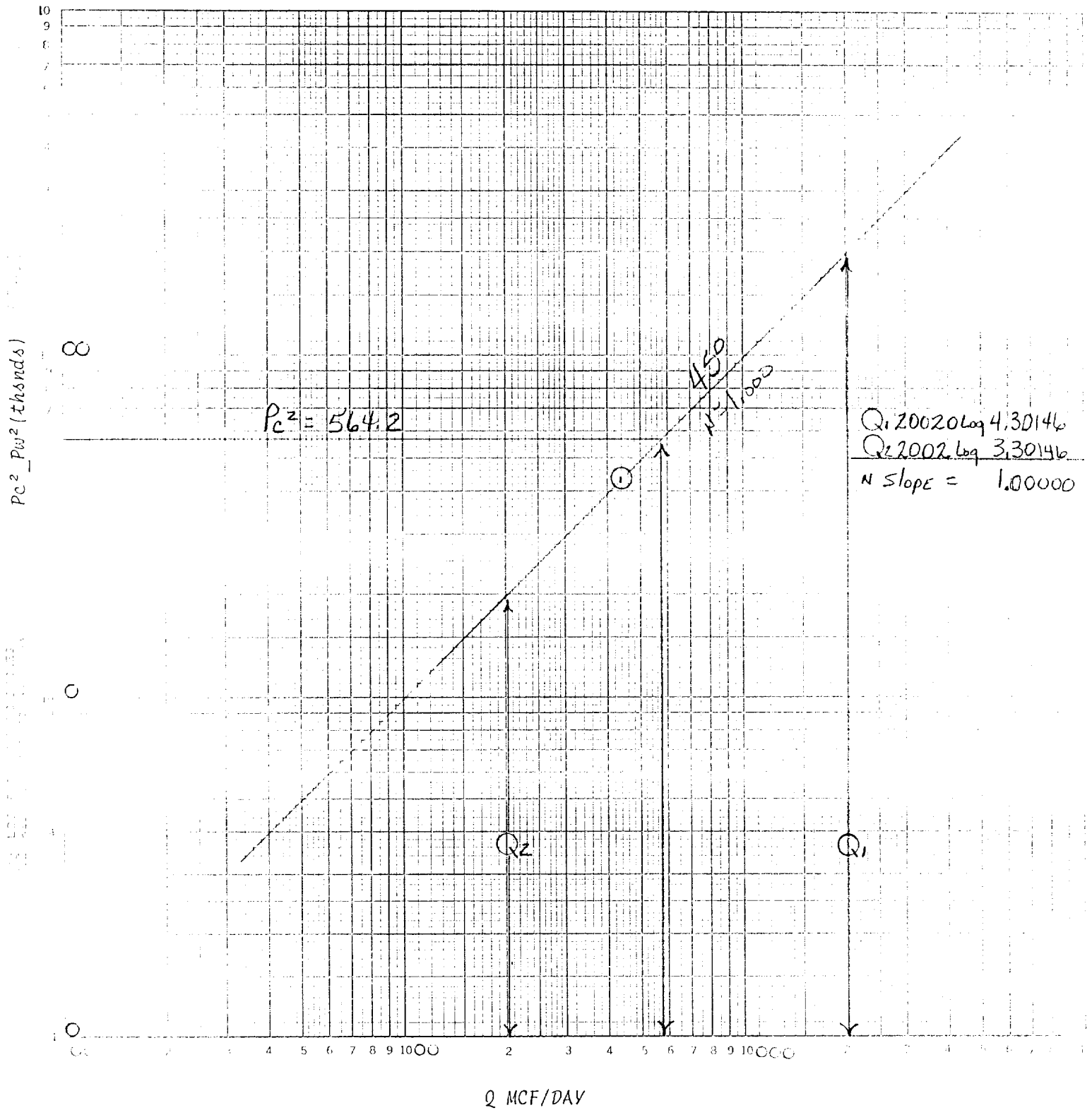
P _c 751.2 P _c ² 564.3					1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.296$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.296$
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 5,662$	
1.	69.3	359.0	128.9	435.4		
2.						
3.						
4.						
5.						

Absolute Open Flow	5,662	Mcf @ 15.025	Angle of Slope θ	45	Slope, n	1.000
--------------------	-------	--------------	------------------	----	----------	-------

Remarks: WELL MADE 1 BBL CONDENSATE & 1 BBL H2O IN 24 HRS.

Approved By Division <i>[Signature]</i>	Conducted By: PRO WELL TESTERS	Calculated By: KS	Checked By: BM
--	-----------------------------------	----------------------	-------------------

ORYX ENERGY
 CONOCO STATE WELL # 2
 2-22-23
 EDDY COUNTY, NEW MEXICO
 8-28-95



COMPANY :XEROX ENERGY		LEASE :CONOCO STATE		WELL NO. : 2		Pc = 751.2		Pc2 = 564.3	
UNIT :		SECTION : 1		TOWNSHIP : 22					
D : 7280		H : 7280		L/H : 1		G/GMIX : 0.630		P12 = 69.3	
FOOT : 1.54		EN1 : 0.65		H2S :		DATE :06-28-95		Pw = 359.0	
1 : 0.992		F1 :0.006324		GH : 4586.4		RANGE : 23		ERR	
								ERR	
								ERR	
VOL 1 : 4.369		PSIA 1 : 163.3		RESV.TEMP 147.0		Pc2-Pw1= 435.4		Pw2 = 126.9	
VOL 2 :		PSIA 2 :				ERR		ERR	
VOL 3 :		PSIA 3 :		SHUT-IN PR= 751.2		ERR		ERR	
VOL 4 :		PSIA 4 :				ERR		ERR	
		PCR : 670						n = 1.000	
		PCR : 168							
						Pc2/(Pc2-Pw2) = 1.296		ERR	
								ERR	
								ERR	
LINE	RATE 1		RATE 2		RATE 3		RATL 4		
	'1ST	'2ND	'1ST	'2ND	'1ST	'2ND	'1ST	'2ND	
1	QM	4.369	4.369	0.000	0.000	0.000	0.000	0.000	
2	TW	534	534	534	534	534	534	534	[Pc2/(Pc2-Pw2)]n = 1.090
3	Ts	607.0	607.0	607.0	607.0	607.0	607.0	607.0	ERR
4	T	570.5	570.5	570.5	570.5	570.5	570.5	570.5	ERR
5	PR (Est)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	ERR
6	Z (Est)	0.941	0.931	ERR	ERR	ERR	ERR	ERR	
7	T2	537.1	531.3	ERR	ERR	ERR	ERR	ERR	AOI= Q 5.662
8	SH/T2	5.339	5.232	ERR	ERR	ERR	ERR	ERR	ERR
9	SS	1.377	1.360	ERR	ERR	ERR	ERR	ERR	ERR
10	C-e-S	0.174	0.177	ERR	ERR	ERR	ERR	ERR	ERR
11	D1	283.2	283.2	0.0	0.0	0.0	0.0	0.0	
12	P12 /1033	69.3	69.3	0.0	0.0	0.0	0.0	0.0	
13	Tr	0.006324	0.006324	0.006324	0.006324	0.006324	0.006324	0.006324	
14	Pc-Pw2	3.397	3.161	ERR	ERR	ERR	ERR	ERR	
15	PcQm	14.54	14.68	ERR	ERR	ERR	ERR	ERR	
16	L/H (PcQm)	208.3	215.6	ERR	ERR	ERR	ERR	ERR	
17	Pw	160.35933	159.61148	ERR	ERR	ERR	ERR	ERR	
18	Pw2	123.6	123.9	ERR	ERR	ERR	ERR	ERR	
19	Pw2	178.6	178.2	ERR	ERR	ERR	ERR	ERR	
20	Ps	422.6	422.1	ERR	ERR	ERR	ERR	ERR	
21	P	342.9	342.6	ERR	ERR	ERR	ERR	ERR	
22	Pr	0.51	0.51	ERR	ERR	ERR	ERR	ERR	
23	Tr	1.55	1.55	1.55	1.55	1.55	1.55	1.55	
24	Z	0.931	0.931	ERR	ERR	ERR	ERR	ERR	FORM C122-D

NEW MEXICO G O.R./G. MIX

NO. OF BALS PRODUCED = 1.0
API GRAVITY @ 60 DEG. = 36.8

RELATIVE GRAVITY OF GAS = 0.6896

XX
TOTAL GAS PRODUCED = 4589

B.B.L. = 4384.000

G.MIX = 0.689

Laboratory Services, Inc.

1331 Tasker Drive
Hobbs, New Mexico 88240

Telephone: (505) 397-3713

FOR: Pro Well Testing & Wireline
Attention: Mr. Ray Ables
P. O. Box 791
Hobbs, New Mexico 88241

SAMPLE
IDENTIFICATION: Conoco St. #2
COMPANY: Oryx
LEASE:
PLANT:

SAMPLE DATA: DATE SAMPLED: 08-18-95 3:15 PM GAS (XX) LIQUID ()
ANALYSIS DATE: 08-19-95
PRESSURE - PSIG 250.00
SAMPLE TEMP. °F 75.00
ATMOS. TEMP. °F 90.00
REMARKS: Sampled @ Motor Run.
SAMPLED BY: Ray Ables
ANALYSIS BY: Vickie Walker

COMPONENT ANALYSIS

COMPONENT	MOL PERCENT	GPM
Hydrogen Sulfide (H2S)		
Nitrogen (N2)	0.85	
Carbon Dioxide (CO2)	0.54	
Methane (C1)	90.57	
Ethane (C2)	5.06	1.349
Propane (C3)	1.53	0.420
i-Butane (IC4)	0.28	0.092
n-Butane (NC4)	0.46	0.146
i-Pentane (IC5)	0.18	0.066
n-Pentane (NC5)	0.15	0.053
Hexane Plus (C6+)	0.38	0.158
	100.00	2.284
BTU/CU.FT. - DRY	1098	
AT 14.650 DRY	1095	
AT 14.650 WET	1076	
AT 14.73 DRY	1101	
AT 14.73 WET	1082	
SPECIFIC GRAVITY -		
CALCULATED	0.629	
MEASURED		
		MOLECULAR WT. 18.1984