

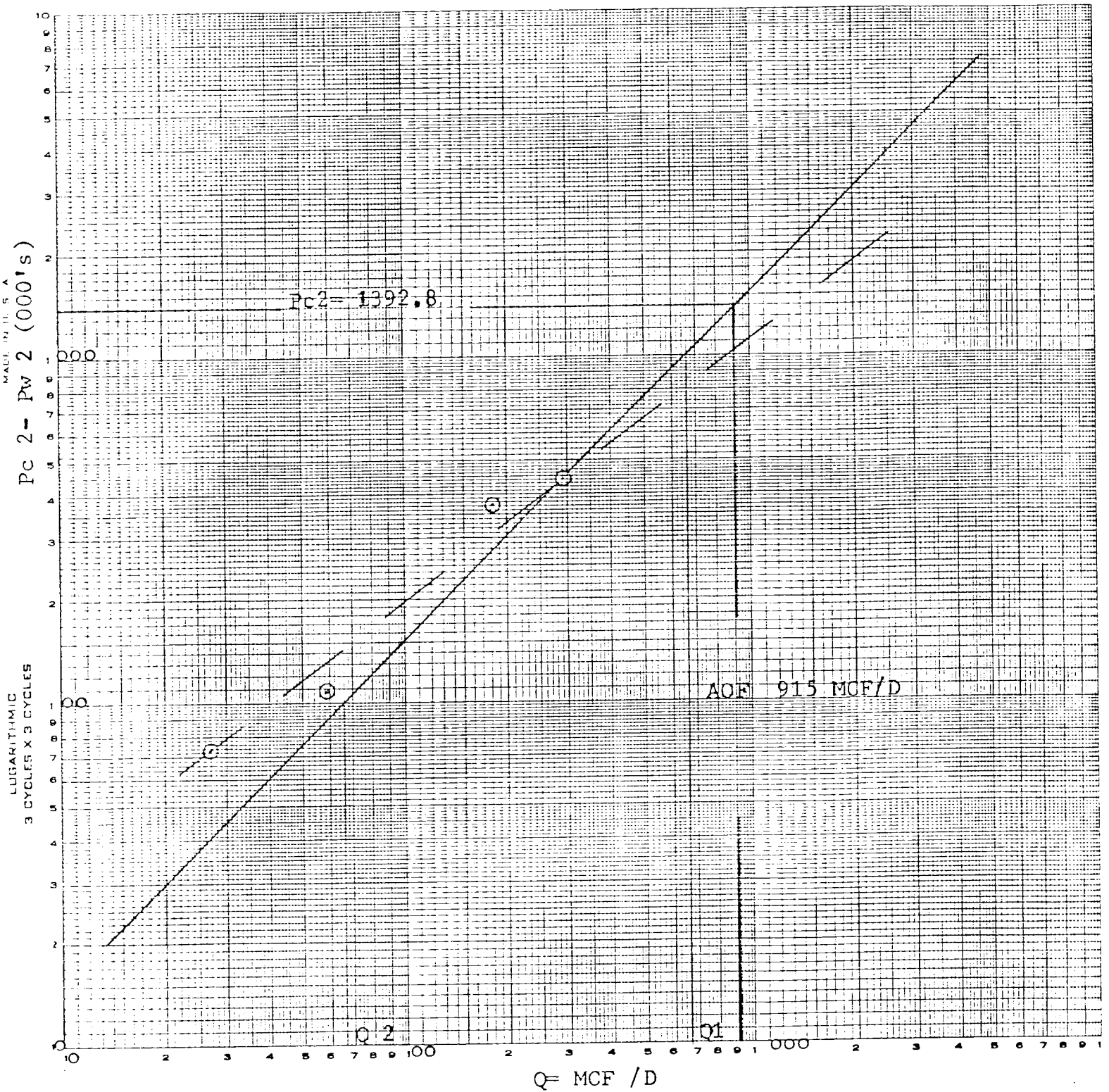
NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST OR GAS WELL

File
Form G-122 C-122
Revised 9-1-65 File

RECEIVED

Test Type: ☒ Initial ☐ Annual ☐ Special				Test Date: 08-12-80		Date: AUG 15 1980	
Company: JEM RESOURCES				Location: AIR		Unit: O.C.D.	
Pool: LEVER Cone Gt.				Formation: METEX		Unit: L ARTESIA, OFFICE	
Completion Date: 04-06-80		Total Depth: 2550		Plug Back To: 2545		Elevation: GL 3594	
Casing Size: 5 1/2 Wt. 17		Set At: 2545		Perforations: From 2212 To 2255		Well No.: LEVERS # 6	
Tubing Size: 2 3/8 J 55		Set At: 2200		Perforations: From To		Unit: L Sec. 33 Twp. 16s Rge. 29e	
Type Well - Single - Brokenhead - G.G. or G.O. Multiple				Factor Set At: -----		County: EDDY	
Producing thru TUBING		Reservoir Temp. °F: 60		Mean Annual Temp. °F: 13.2		State: NEW MEXICO	
L H		Gg: .7395		% CO ₂ : ----- % N ₂ : 19.962		Prover: 2"	
FLOW DATA				TUBING DATA		CASING DATA	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. in. H ₂ O	Temp. °F	Press. p.s.i.g.
5.							
1.	2 X 1/16			347		70	347
2.	2 X 3/32			342		72	342
3.	2 X 3/16			243		70	243
4.	2 X 1/4			215		68	215
5.							
RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor FL	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mhd
1	.06405		360.2	.9905	1.162	1.030	27
2	.1410		355.2	.9887	1.162	1.029	59
3	.6082		256.2	.9905	1.162	1.021	183
4	1.087		228.2	.9924	1.162	1.019	291
5							
NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mol/Lb.		
1	.57	530	1.51	.943	A.P.L. Gravity of Liquid Hydrocarbons _____ Deg.		
2	.56	532	1.52	.945	Specific Gravity Separator Gas: .7395 XXXXXXXXXX		
3	.40	530	1.51	.960	Specific Gravity Flowing Fluid: XXXXXX		
4	.36	528	1.50	.963	Critical Pressure: 633 P.S.I.A. P.S.I.A.		
5					Critical Temperature: 351 R R		
P _r 373.2 P _w 1392.8					(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 3.145$ (2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 3.145$		
NO.	P _r	P _w	P _r ²	P _w ²	AOF = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = .915$		
1		363.2	1319.1	73.7			
2		358.2	1283.1	109.7			
3		319.2	1019.1	373.8			
4		308.2	950.1	442.8			
5							
Absolute Open Flow: 915				Angle of Slope: 45		Slope, n: 1.000	
Remarks:							
Approved by:		Conducted By:		Calculated By:		Checked By:	
DAVIS SERVICES INC.		RICK PAGAN					

COMPANY : JEM RESOURCES
 LEASE : LEVERS
 WELL NO : # 6
 UNIT : L/sec. '33/twp.16s/rge. 29e
 COUNTY : EDDY
 STATE : NEW MEXICO
 DATE : AUGUST 12, 1980



Q 1 = 660; LOG OF Q 1 = 2.819544
 Q 2 = 66; LOG OF Q 2 = 1.819544

N = 1.000

NEW-TEX

LAB

P. O. BOX 1161
HOBBS, N.M. 88240No. 3812
Run No.
Date of Run 8-13-80
Date Secured 8-12-80

CERTIFICATE OF ANALYSIS

A Sample of JEM Resources Levers #6
 Secured from Davis Services
 At Box 2033 Secured by
 Hobbs, NM 88240 Time Date
 Sampling conditions Press
 Temp

FRACTIONAL ANALYSIS

Percentage Composition

MOL % LIQ. % G.P.M.

Carbon Dioxide	NIL	
Air		
Nitrogen	19.962	
Oxygen		
Hydrogen sulfide		
Hydrogen		
Methane	66.750	
Ethane	7.815	2.084
Propane	3.541	.972
Butanes		
Iso-Butane	.363	.118
N-Butane	1.068	.336
Pentanes		
Iso-Pentane	.194	.071
N-Pentane	.200	.072
Hexanes	.083	.034
Heptanes Plus	.024	.011
Octanes		
TOTAL	100.000	3.698

Calc. Sp. Gr. 0.7395
 Calc. A.P.I.
 Calc. Vapor Press. PSIA
 Sp. Gr.
 Mol. Wt. 21.41

LIQUID CONTENT (GAL./MCF)

Propane Calc. G.P.M. .972
 Butanes Calc. G.P.M. .454
 Pentanes Plus. G.P.M. .188
 Ethane Calc. G.P.M. 2.084
 RVP Gasoline G.P.M.

B.T.U./Cu. Ft. @ 14.696 P.S.I.A.

Dry Basis 969
 Wet Basis 952

Sulfur Analysis by Titration

Gr./100 Cu. Ft.

Hydrogen Sulfide

Mercaptans

Sulfides

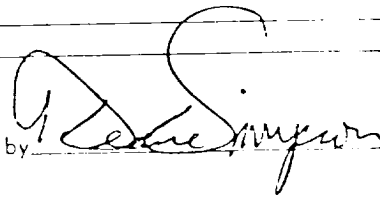
Residual Sulfur

Total Sulfur

Run by Teresa McKee

Checked by Deane Simpson

Approved by



Additional Data and Remarks