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

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

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Form C-122
Revised October, 1999

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator	OXY USA				Lease or Unit Name		HACKBERRY "6" FED COM		
Type Test: ☑ Initial ☐ Annual ☐ Special					Test Date: 6/19/01		Well No.: 2		
Completion Date	Total Depth		Plug Back TD		Elevation		Unit,Ltr - Sec - TWP - Rge: Unit L 6-19-31		
Csg. Size: 5 1/2	Wt.: 17	d: 4.892	Set At	Perforations: From: 11920	To: 11970		County: EDDY		
Tbg. Size: 2 7/8	Wt.: 6.5	d: 2.441	Set At: 11846	Perforations: From:	To:		Pool: N Hackberry Mor		
Type Well-Single-Bradenhead-G.G. or G.O. Multiple: SINGLE			Packer Set At: 11846				Formation: Morrow		
Producing Thru: TUBING	Reservoir Temp.°F: 193		Mean Annual Temp. °F: 60		Baro. Press.-P_a: 13.2		Connection: SALES		

L	H	Gg	$\%CO_2$	$\%N_2$	$\%H_2S$	Prover	Meter Run	Taps
11897	11897	0.655	0.692	0.624	N/A	N/A	6.065	FLG

No.	FLOW DATA: Prover Line Size x Orifice Size	Press p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA: Press p.s.i.g.	Temp. °F	CASING DATA: Press p.s.i.g.	Temp. °F	Duration of Flow
SI					2005	N/A		N/A	
1	6.065 X 3.625	428	46	83.3	1260		1240		1 HR.
2	6.065 X 3.625	450	62	86.6	1190		1100		1 HR.
3	6.065 X 3.625	469	75	89.5	900		970		1 HR.
4	6.065 X 3.625	482	89	97.2	750		865		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 F_g	Super Compress Factor F pv	Rate of Flow Q. Mcfd
1							12177
2	GAS	VOLUMES	FROM	TOTAL	FLOW	METER	14497
3							16183
4							17946
5							

No.	P_r	Temp. °R	T_r	Z
1				
2	TOTAL	FLOW	METER	
3				
4				
5				

Gas Liquid Hydrocarbon Ratio	83.056		Mcf bbl.
A.P. I. Gravity of Liquid Hydrocarbons	58.9		Deg.
Specific Gravity Separator Gas	.655/G.MIX=.689		XXXXXXX
Specific Gravity Flowing Fluid	N/A	XXXXX	
Critical Pressure	673 P.S.I.A.	672	P.S.I.A.
Critical Temperature	371 R.	381	R

P_c 2018.2 P_c2 4073.1

No.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	1621	1854.3	3438.3	634.8
2	1447.7	2003.3	4013.2	59.9
3	833.9	2013.1	4052.6	20.5
4	582.5	884.6	782.5	3290.7
5				

(1) $\dfrac{P_c^2}{P_c^2 - P_w^2} =$ 1.237 (2) $\left[\dfrac{P_c^2}{P_c^2 - P_w^2}\right]^n =$ 3.152

AOF = Q $\left[\dfrac{P_c^2}{P_c^2 - P_w^2}\right]^n =$ 56565

Absolute Open Flow	56562	Mcfd @ 15.025	Angle of Slope ():	63.5	Slope n: 0.4986

Remarks: * WELL MADE 21.5 BBLS OF 58.9 API GRAVITY CONDENSATE DURING TEST.

Approved By Division:	Conducted By:	Calculated By:	Checked By:
	PRO WELL TESTING	MERV BUECKER	BM