STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

RECEIVED
JUN 21 1984
OIL CON. DIV.
DIST. 3

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test: ☒ Initial ☐ Annual ☐ Special				Test Date: 6-15-84	
Company: Beta Development Co.		Connection: El Paso			Unit
Pool: Basin Dakota		Formation: Dakota			
Completion Date: 5-11-84	Total Depth: 6540		Plug Back TD: 6502	Elevation: 6121	Farm or Lease Name: Holloway Federal
Csg. Size: 4.5 / Wt.: 10.5 / d: / Set At: 6540			Perforations: From 6290 To 6488		Well No.: 6-E
Tbg. Size: 1.25 / Wt.: 2.4 / d: 1.380 / Set At: 6462			Perforations: From open To ended		Unit: D / Sec.: 8 / Twp.: 27N / Rge.: 11W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single			Packer Set At: None		County:
Producing Thru: Tubing	Reservoir Temp. °F:	Mean Annual Temp. °F:	Baro. Press. – P_a:		State:
L:	H:	Gg: 680	% CO_2:	% N_2:	% H_2S:
Prover:	Meter Run:	Taps:			

FLOW DATA / TUBING DATA / CASING DATA

NO.	Prover Line Size	X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI						1114		1127		
1.	2"	.750	133	97	65	192		798		1 hr
2.	2"	.750	108	79	63	174		712		1 hr
3.	2"	.750	92	67	62	166		680		1 hr
4.										
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, Fpv	Rate of Flow Q, Mcfd
1	12.3650		104	.9933	.9393	1.012	1214
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_r	Z
1.				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio 9 bbls oil 193,000 to 1 Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons 58.0 Deg.
Specific Gravity Separator Gas _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 1126 P_c^2 1267876

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		692	478864	789012
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.606916$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.4272$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1,733$

Absolute Open Flow 1,733 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: _____

Approved By Division | Conducted By: John B. Keeling | Calculated By: John B. Keeling | Checked By: