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appropriate district office.
See Rule 401 & Rule 1122

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

Form C-122
Revised October, 1999

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator OCEAN ENERGY (169355)				Lease or Unit Name PARKWAY WEST UNIT			
Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 4/11/02		Well No. 13	
Completion Date 2/27/02		Total Depth 11520		Plug Back TD 11391		Elevation 20-193-29E	
Csg. Size	Wt.	d	Set At	Perforations: From: 10991 To: 11228		County EDDY	
Tbg. Size 2 7/8	Wt. 6.5	d 2.441	Set At 10940	Perforations: From: To:		Pool West Parkway Marrow	
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 10940		Formation MORROW	
Producing Thru Tbg. Size		Reservoir Temp. °F 183.4 @ 10940		Mean Annual Temp. °F 60		Baro. Press. - P _a 13.2	
Connection SALES							
L 10940	H 109940	Gg 0.669	%CO ₂ 3.089	%N ₂ 0.9767	%H ₂ S N/A	Prover N/A	Meter Run 2.067
							Taps FLG
FLOW DATA				TUBING DATA			
No.	Prover Line Size	Orifice x Size	Press p.s.i.g.	Diff. h _w	Temp. °F	Press p.s.i.g.	Temp. °F
SI						1622	PKR
1	2 X	1.375	195	0.8	84	1588	"
2	2 X	1.375	216	36.1	85	1520	"
3	2 X	1.375	224	61.3	86	1445	"
4	2 X	1.375	237	119.7	82	1305	"
5							
RATE OF FLOW CALCULATIONS							
No.	COEFFICIENT (24 Hour)		√ h _w P _m	Pressure P _m	Flow Temp. Factor F _t	Grav. Factor F _g	Super Compress Factor F _{pv}
1	10.2		12.91	208.2	0.9777	1.222	1.019
2	10.2		90.96	229.2	0.9768	1.222	1.02
3	10.2		120.58	237.2	0.9759	1.222	1.021
4	10.2		173.06	250.2	0.9795	1.222	1.022
5							
No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio DRY GAS Mcf/bbl.		
1	0.3	544	1.44	0.964	A.P. 1. Gravity of Liquid Hydrocarbons DRY Deg.		
2	0.33	545	1.44	0.961	Specific Gravity Separator Gas 0.669 XXXXXXXX		
3	0.34	546	1.45	0.96	Specific Gravity Flowing Fluid XXXXXX		
4	0.36	542	1.43	0.957	Critical Pressure *681 P.S.I.A. P.S.I.A.		
5					Critical Temperature *377 R R		
P _c 1635.2 P _{c2} 2673.9							
No.	P _i ²	P _w	P _w ²	P _c ² - P _w ²	(1) P _c ² = 3.031 (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3.031$		
1		1601.3	2564.1	109.7			
2		1537.9	2365.2	308.7			
3		1467	2152	521.9			
4		1338.5	1791.7	882.2			
5							
Absolute Open Flow 6.544				Mcf/d @ 15.025			
Angle of Slope (°)				45			
Slope n:				1			
Remarks: NO FLUID PRODUCED * CORRECTED TO 3.089 % CO2							
Approved By Division		Conducted By: O.S.C. US L. W. & T.		Calculated By: BM		Checked By: BM	

OCEAN ENERGY
PARKWAY WEST UNIT

