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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 Pacheco
Santa Fe, NM 87505

Form C-122
JUN 15 2007 Revised October, 1999

OCD-ARTESIA

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator OGX RESOURCES LLC				Lease or Unit Name BIG SPENDER COM.			
Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 4/22/07		Well No. 1	
Completion Date		Total Depth 12849		Plug Back TD		Elevation	
Csg. Size 4 1/2 LN		Wt. 11 3/5		Set At 12849		Perforations: From: 12632 To: 12668	
Tbg. Size 2 3/8		Wt. 4.7		Set At 12536		Perforations: From: To:	
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At N/A		Formation MORROW	
Producing Thru TBG		Reservoir Temp. °F 199.4 @ 12536		Mean Annual Temp. °F 60		Baro. Press. -P _a 13.2	
L 12536		H 12536		Gg 0.617		%CO ₂	
				%N ₂		%H ₂ S	
				Prover N/A		Meter Run 3.068	
						Taps FLG	
FLOW DATA				TUBING DATA		CASING 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						5085	
1	3 X	1.000	467	8.5	75	575	
2							
3							
4							
5							
RATE OF FLOW CALCULATIONS							
No.	COEFFICIENT (24 Hour)		√h _w P _m	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress Factor F _{pv}
1	4.789		63.89	480.2	0.9859	1.273	1.042
2							
3							
4							
5							
No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio DRY Mof bbl.		
1	0.71	535	1.47	0.921	A.P. I. Gravity of Liquid Hydrocarbons DRY GAS Deg.		
2					Specific Gravity Separator Gas 0.617 XXXXXXXX		
3					Specific Gravity Flowing Fluid XXXXXX N/A		
4					Critical Pressure 671 P.S.I.A. P.S.I.A.		
5					Critical Temperature 362 R. R.		
P _c 5098.2 P _{c2} 25991.6							
No.	P _i ²	P _w	P _w ²	P _c ² - P _w ²	(1) P _c ² = 1.009 (2) [P _c ² / (P _c ² - P _w ²)] ⁿ = 1.009		
1		487	237.2	25754.4			
2							
3							
4							
5							
79825					AOF = Q [P _c ² / (P _c ² - P _w ²)] ⁿ = 0.404		
Absolute Open Flow 404				Mcf/d @ 15.025	Angle of Slope (°): 45	Slope n: 1	
Remarks: WELL PRODUCED 117 BBLS H2O DURING TEST							
Approved By Division:		Conducted By: Sonic Petroleum Services		Calculated By: BM		Checked By: BM	

COMPANY : OGI RESOURCES LLC LEASE : BIG SPENDRE COM. WELL 1
 UNIT : 12536 SECTION : 12536 TOWNSHIP :
 L : 12536 H : 12536 L/H : 1 G/GNIX : 0.617
 %CO2 : %N2 : H2S : DATE : 4-22-07
 d : 1.995 Fr : 0.0182312 GH : 7734.7

VOL 1 : 400 PSIA 1 : 480.2 RESV.TEMP 199.4
 VOL 2 : PSIA 2 :
 VOL 3 : PSIA 3 : SHUT-IN PRE = 5098.2
 VOL 4 : PSIA 4 :

PCR : 671
 TCR : 362

LINE	RATE 1		RATE 2		RATE 3		RATE 4		
	1ST	2ND	1ST	2ND	1ST	2ND	1ST	2ND	
1 QM	0.400	0.400	0.000	0.000	0.000	0.000	0.000	0.000	
2 TW	534	534	534	534	534	534	534	534	
3 Ts	659.4	659.4	659.4	659.4	659.4	659.4	659.4	659.4	
4 T	596.7	596.7	596.7	596.7	596.7	596.7	596.7	596.7	
PR (est)	0.72		0.00		0.00		0.00		
5 Z(est)	0.926	0.919	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
6 TZ	552.6	548.2	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
7 GH/TZ	13.997	14.110	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
8 eS	1.690	1.697	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
9 l-e-S	0.408	0.411	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
10 Pt	480.2	480.2	0.0	0.0	0.0	0.0	0.0	0.0	
11 Pt2 /1000	230.6	230.6	0.0	0.0	0.0	0.0	0.0	0.0	
12 Fr	0.0182312	0.0182312	0.0182312	0.0182312	0.0182312	0.0182312	0.0182312	0.0182312	
13 Fc*FrTZ	10.074	9.994	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
14 FcQm	4.03	4.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
15 L/H(FcQm)	16.2	16.0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
16 Fw	6.63162	6.5659101	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
17 Pw2	237.2	237.2	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
18 Ps2	401.0	402.6	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
19 Ps	633.2	634.6	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
20 P	556.7	557.3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
21 Pr	0.83	0.83	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
22 Tr	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65	
23 Z	0.919	0.919	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	

Pc = 5098.2 Pc2 = 25991.6 *
 Pt2 = 230.6 Pw = 487.0 *
 0.0 #DIV/0! *
 0.0 #DIV/0! *
 0.0 #DIV/0! *
 Pc2-Pw2 = 25754.4 Pw2 = 237.2 *
 #DIV/0! #DIV/0! *
 #DIV/0! #DIV/0! *
 #DIV/0! #DIV/0! *
 n = 1.000 *
 Pc2/(Pc2-Pw2) = 1.009 *
 #DIV/0! *
 #DIV/0! *
 #DIV/0! *
 [Pc2/Pc2-Pw2]n = 1.009 *
 #DIV/0! *
 #DIV/0! *
 #DIV/0! *
 AOF = Q 0.404 *
 #DIV/0! *
 #DIV/0! *
 #DIV/0! *
 FORM C122-D *

OGX RESOURCES LLC

BIG SPENDER COM. # 1

