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See Rule 401 & Rule 1122

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

APR 16 2004

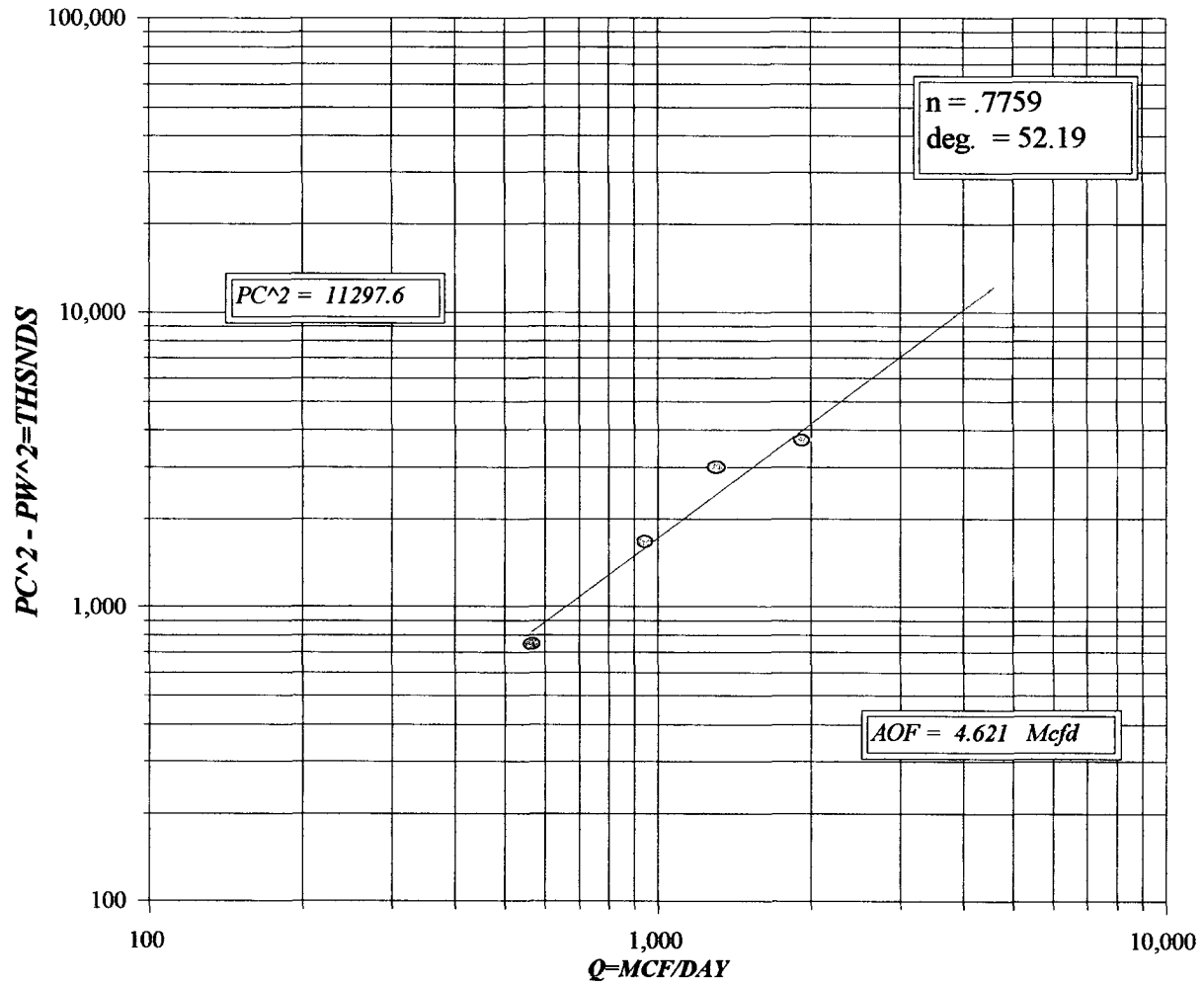
Form C-122
Revised October, 1999

OB-ARTESIA

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator EDGE PET.				Lease or Unit Name TURKEY TRACK "11"			
Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 3/17/04		Well No. 1	
Completion Date 3/15/04		Total Depth 12000		Plug Back TD 11595		Elevation 11 18S 29E	
Csg. Size 5 1/2	Wt. 20	d 4	Set At 11595	Perforations: From: 11430 To: 11471		County EDDY	
Tbg. Size 2 7/8	Wt. 6.4	d 2.441	Set At 11272	Perforations: From: To:		Pool	
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 11319		Formation MARROW	
Producing Thru TUBING		Reservoir Temp. 180		Mean Annual Temp. 60		Baro. Press.-P _a 13.2	
Connection AIR							
L 11386	H 11386	Gg 0.631	%CO ₂ 0.819	%N ₂ 0.338	%H ₂ S	Prover	Meter Run 4.026
						Taps FLG	
FLOW DATA				TUBING DATA			
CASING DATA				Duration of Flow			
No.	Prover Line Size	Orifice x Size	Press p.s.i.g.	Diff. h _w	Temp.	Press p.s.i.g.	Temp.
SI						3348	
1		4.026 X 1.750	210	5	68	3234	1 HRS
2		4.026 X 1.750	210	14	65	3088	1 HRS
3		4.026 X 1.750	210	32	65	2866	1 HRS
4		4.026 X 1.750	240	58	65	2738	1 HRS
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}	Rate of Flow Q. Mcfd
1	14.93	33.4	223.2	68	0.9924	0.912	568
2	14.93	55.9	223.2	65	0.9952	0.909	950
3	14.93	84.5	223.2	65	0.9952	0.909	13.06
4	14.93	113.8	223.2	65	0.9952	0.909	1935
5							
No.	P _r	Temp. R	T _r	Z	Gas Liquid Hydrocarbon Ratio 33.049 Mcf bbl.		
1	0.78	528	1.45	1.047	A.P. I. Gravity of Liquid Hydrocarbons 49.06 @ 60 Deg.		
2	0.78	525	1.44	1.047	Specific Gravity Separator Gas 0.584 XXXXXXXX		
3	0.78	525	1.44	1.047	Specific Gravity Flowing Fluid XXXXXX GMIX = .724		
4	0.78	525	1.44	1.047	Critical Pressure 673 P.S.I.A. P.S.I.A.		
5					Critical Temperature 364 R. R.		
P _c 3361.2 P _{c2} 11297.6							
No.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.071$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.388$		
1		3247.9	10548.7	748.9			
2		3103.2	9629.7	1667.9			
3		2883.1	8312.4	2985.2			
4		2760.1	7618.3	3679.3			
5							
Absolute Open Flow 4.621 Mcfd @ 15.025					Angle of Slope (°): 52.19 Slope n: 0.7759		
Remarks: * WELL MADE 6 BBLS OF 49.6 API GRAVITY CONDENSATE DURING TEST.							
Approved By Division:		Conducted By: PRO WELL TESTING		Calculated By: MERV BUECKER		Checked By: BM	

EDGE PET.
TURKEY TRACK "11" #1



COMPANY : Edge Pet.		LEASE : TURKEY TRACK 11		WELL NO. : 1		Pc = 3361.2		Pc2 = 11297.6	
UNIT : 11386		SECTION : 11		TOWNSHIP : 18S		P12 = 10544.3		Pw = 3247.9	
L : 11386		H : 11386		L/H : 1		G/GMIX : 0.724		3103.2	
%CO2 : 0.819		%N2 : 0.338		H2S : 0.010763		DATE : 3/17/04		2883.1	
d : 2.441		Fr : 0.010763		GH : 8197.0		RANGE : 29E		2760.1	
VOL 1 : 568		PSIA 1 : 3247.2		RESV.TEMP : 190.0		Pc2-Pw2 = 748.9		Pw2 = 10548.7	
VOL 2 : 950		PSIA 2 : 3101.2		SHUT-IN PRE: = 2684.2		1667.9		9629.7	
VOL 3 : 1306		PSIA 3 : 2879.2				2985.2		8312.4	
VOL 4 : 1935		PSIA 4 : 2751.2				3679.3		7618.3	
PCR : 673		TCR : 364				n = 0.776			
Pc2/(Pc2-Pw2) =						15.086			
Pc2/(Pc2-Pw2)n =						6.773			
AOQ = Q						3.785			
						3.071			
LINE	RATE 1		RATE 2		RATE 3		RATE 4		
	1ST	2ND	1ST	2ND	1ST	2ND	1ST	2ND	
1 QM	0.568	0.568	0.950	0.950	1.306	1.306	1.935	1.935	
2 TW	534	534	534	534	534	534	534	534	
3 Ts	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	
4 T	592.0	592.0	592.0	592.0	592.0	592.0	592.0	592.0	
PR (est)	4.82		4.61		4.28		4.09		
5 Z(est)	0.835	0.867	0.829	0.857	0.822	0.843	0.818	0.836	
6 TZ	494.4	513.0	490.8	507.2	486.4	499.0	484.5	495.0	
7 GH/TZ	16.581	15.977	16.701	16.162	16.851	16.425	16.918	16.561	
8 eS	1.862	1.821	1.871	1.833	1.881	1.851	1.886	1.861	
9 i-e-S	0.463	0.451	0.465	0.455	0.468	0.460	0.470	0.463	
10 Pt	3247.2	3247.2	3101.2	3101.2	2879.2	2879.2	2751.2	2751.2	
11 Pt2 /1000	10544.3	10544.3	9617.4	9617.4	8289.8	8289.8	7569.1	7569.1	
12 Fr	0.010763	0.010763	0.010763	0.010763	0.010763	0.010763	0.010763	0.010763	
13 Fc=FrTZ	5.321	5.522	5.283	5.459	5.235	5.371	5.215	5.327	
14 FcQm	3.02	3.14	5.02	5.19	6.84	7.01	10.09	10.31	
15 L/H(FcQm)2	9.1	9.8	25.2	26.9	46.8	49.2	101.8	106.3	
16 Fw	4.2289971	4.4338856	11.721762	12.222724	21.900072	22.629273	47.833325	49.1576679	
17 Pw2	10548.5	10548.7	9629.2	9629.7	8311.7	8312.4	7616.9	7618.3	
18 Ps2	19644.3	19204.5	18012.8	17653.5	15636.1	15389.8	14364.8	14176.4	
19 Ps	4432.2	4382.3	4244.1	4201.6	3954.3	3923.0	3790.1	3765.2	
20 P	3839.7	3814.7	3672.7	3651.4	3416.7	3401.1	3270.6	3258.2	
21 Pr	5.71	5.67	5.46	5.43	5.08	5.05	4.86	4.84	
22 Tr	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	
23 Z	0.867	0.865	0.857	0.855	0.843	0.842	0.836	0.836	

FORM C122-D



Laboratory Services, Inc.

4016 Fiesta Drive
Hobbs, New Mexico 88240

Telephone: (505) 397-3713

FOR: Pro Well Testing & Wireline
Attention: Mr. Merv Buecker
P. O. Box 791
Hobbs, New Mexico 88241

SAMPLE:
IDENTIFICATION: Turkey Track 11 State #1
COMPANY: Edge Petroleum Corp.
LEASE:
PLANT:

SAMPLE DATA: DATE SAMPLED: 3/16/04
ANALYSIS DATE: 3/17/04
PRESSURE - PSIG 236
SAMPLE TEMP. °F
ATMOS. TEMP. °F

GAS (XX) LIQUID ()
SAMPLED BY: Pro - Mer Buecker
ANALYSIS BY: Rolland Perry

REMARKS: Condensate API Gravity @ 60 F = 49.6

COMPONENT ANALYSIS

COMPONENT	MOL PERCENT	GPM
Hydrogen Sulfide (H2S)		
Nitrogen (N2)	0.338	
Carbon Dioxide (CO2)	0.819	
Methane (C1)	90.240	
Ethane (C2)	5.694	1.519
Propane (C3)	1.649	0.453
I-Butane (IC4)	0.215	0.070
N-Butane (NC4)	0.342	0.108
I-Pentane (IC5)	0.126	0.046
N-Pentane (NC5)	0.105	0.038
Hexane Plus (C6+)	0.472	0.205
	100.000	2.439

BTU/CU.FT. - DRY 1104
AT 14.650 DRY 1100
AT 14.650 WET 1081
AT 14.73 DRY 1106
AT 14.73 WET 1087

MOLECULAR WT. 18.2960

SPECIFIC GRAVITY -
CALCULATED 0.631
MEASURED

As Is

	Size	Wt.	Grade	Thread	Depth	(E)TOC	Sks/Cmt
CONDUCTOR	20				66	SURF	
SURFACE	13 3/8	48	J-55	STC	258	SURF	480
INTERMED	9 5/8	43.5	P-110	LTC	3068	SURF	1250
LINER							
PRODUCTION	5 1/2	20	N-80	LTC	11636	SURF	2650
TUBING	2 7/8	6.5	P-110	8RD MOD	11320		

[illegible]

Directional Data	
KOP	
Max Dev	
Max Dev/Perfs	
Max Dogleg	

Wrkg Interest	87.50	Location
Rev Interest	65.63	NWSW Sec 11 T19S R29E
Spud Date	12/23/2003	
Property Num.	097-002-01	

PBTD MD	11595
PBTD TVD	
TOTAL DEPTH MD	11636
TVD	
FLUID LIH	
DATE LIH	
PREPARED BY:	
JDK	
DATE:	03/22/04

REV:
3/22/2004, Proposed, SW TT 11 ST 1 WBD

FIELD DATA SHEET

PRODUCING THRU TU BING

[illegible]