

Rec'd 11/10/05 AUB

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

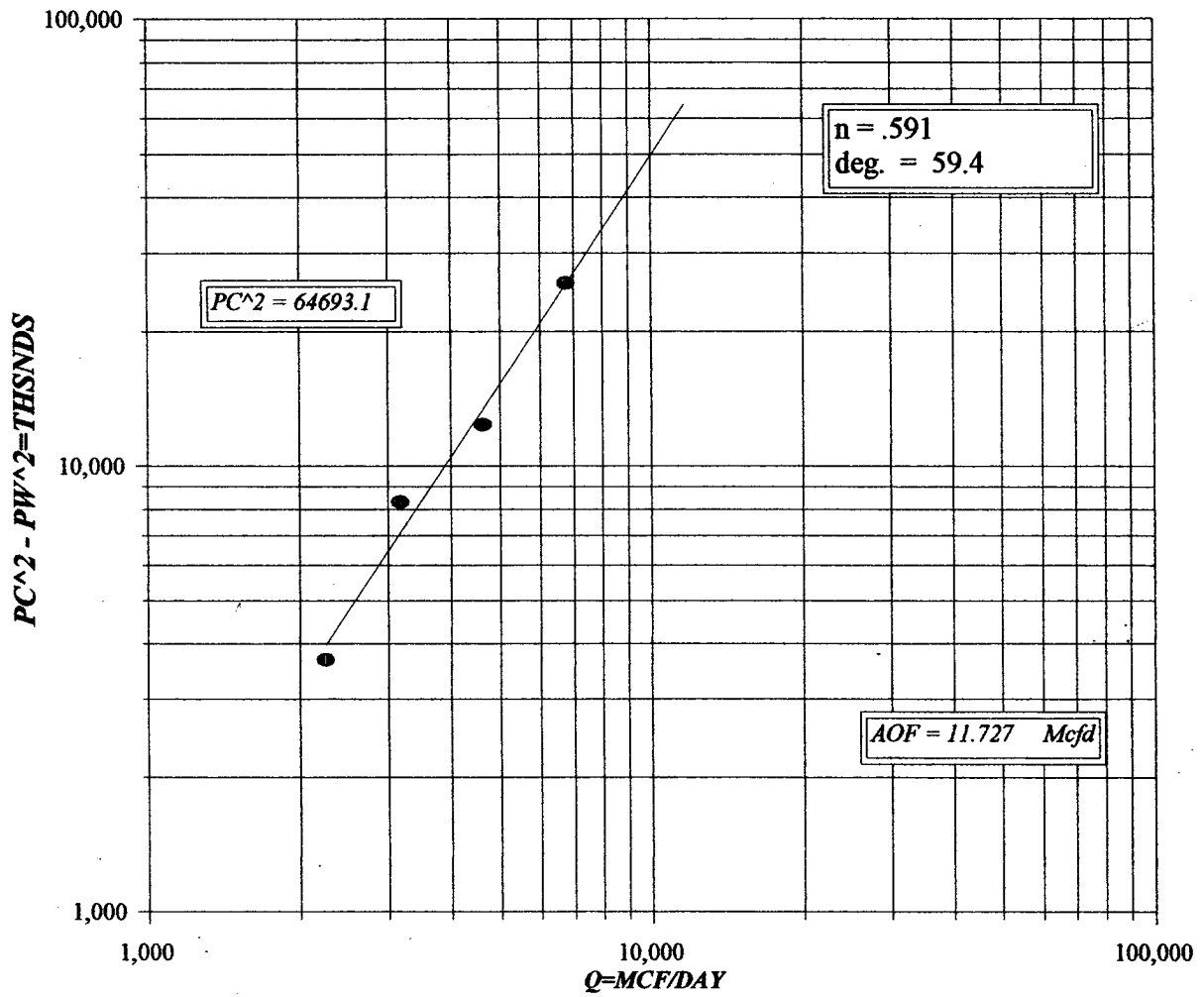
Form C-122
Revised October, 1999

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator PURE RESOURCES				Lease or Unit Name BECKUM 19			
Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 10/17/2005		Well No. 1	
Completion Date		Total Depth 15823		Plug Back TD 15720		Elevation Unit Ltr - Sec - TWP - Rge 19 26 35	
Csg. Size 4 1/2	Wt. 15.1	d 3.826	Set At 5720	Perforations: From: 14500 To: 15006		County LEA	
Tbg. Size	Wt.	d	Set At	Perforations: From: To:		Pool	
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At NO PKR		STRAWN	
Producing Thru Csg.		Reservoir Temp.		Mean Annual Temp. 60		Baro. Press.-P _a 13.2	
Connection AIR							
L 14500	H 14500	Gg 0.648	%CO ₂ 0.405	%N ₂ 2.066	%H ₂ S 0	Prover N/A	Meter Run 4.026
Taps FLG							
FLOW DATA				TUBING DATA			
No.	Prover Line Size	Orifice x Size	Press p.s.i.g.	Diff. h _w	Temp.	Press p.s.i.g.	Temp.
SI							
1	4.026 X 2.000		660	10	37	N/A	8030
2	4.026 X 2.000		680	19	32		7787
3	4.026 X 2.000		680	40	29		7479
4	4.026 X 2.000		680	82	22		7217
5							6221
Casing Data							
							Duration of Flow
							1 HR
							1 HR
							1 HR
							1 HR
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}
1	19.81		82.05	673.2	1.023	1.242	1.092
2	19.81		114.2	693.2	1.026	1.242	1.086
3	19.81		166.52	693.2	1.031	1.242	1.097
4	19.81		238.42	693.2	1.039	1.242	1.113
5							
No.	P _r	Temp. R	T _r	Z	Gas Liquid Hydrocarbon Ratio 23.408 Mcf bbl		
1	1.01	497	1.32	0.838	A.P.I. Gravity of Liquid Hydrocarbons 53.5 Deg.		
2	1.04	492	1.31	0.832	Specific Gravity Separator Gas 0.648 XXXXXXXX		
3	1.04	489	1.3	0.831	Specific Gravity Flowing Fluid N/A XXXXXX GMIX=.703		
4	1.04	482	1.28	0.807	Critical Pressure 667 P.S.I.A. 666 P.S.I.A.		
5					Critical Temperature 376 R 415 R		
P _c 8043 P _{c2} 64693.1							
No.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $P_c^2 = 2516$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.725$		
1		7811.2	61014.6	3678.5			
2		7509.2	56387.9	8305.4			
3		7234.4	52336.9	12356.2			
4		6243.6	38982.2	25710.9			
5							
Absolute Open Flow 11.727				Mcf @ 15.025		Angle of Slope (°): 59.4	
						Slope, n: 0.591	
Remarks: * WELL MADE 30 BBLS OF 53.5 API GRAVITY OIL DURING TEST. CORRECTED FOR 2.066% N2.							
Approved By Division: 		Conducted By: PRO WELL TESTING		Calculated By: MERV BUECKER		Checked By: MB	

PURE RESOURCES

BECKUM "19" #1



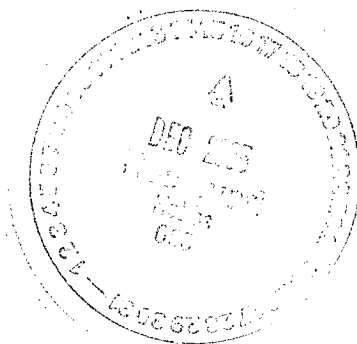


Laboratory Services Inc.
2609 West Marland
Hobbs, New Mexico 88240
(505)397-3713

Run File	C:\STAR\DATA\12.29.04\13.14.05\PUREBECKHAM19-1.RUN		
Method	C:\star\method_extended_gas_scott.mth		
Operator	Vickie Sullivan	Analysis Date	10/18/2005
Station	Beckham 19-1	Company	Pure Resources
Effective Date		Pulled Data	10/17/05
Received Date	10/18/05	Composite/Spot	

<u>Component</u>	<u>Mole %</u>	<u>BTU</u>	<u>GPM</u>
H2S			
Nitrogen	2.0664	0.00	0.0000
Methane	86.3175	873.82	0.0000
CO2	0.4051	0.00	0.0000
Ethane	6.9978	124.12	1.8716
Propane	2.6232	66.15	0.7228
i-Butane	0.4260	13.89	0.1394
n-Butane	0.6148	20.10	0.1938
i-Pentane	0.1667	6.68	0.0610
n-Pentane	0.1080	4.34	0.0391
Cyclopentane	0.0054	0.20	0.0016
2-Methylpentane	0.0144	0.69	0.0060
3-Methylpentane	0.0113	0.54	0.0046
n-Hexane	0.0287	1.37	0.0118
Methylcyclopentane	0.0208	0.94	0.0074
Benzene	0.0225	0.84	0.0063
Cyclohexane	0.0522	2.34	0.0177
n-Heptane	0.0368	2.03	0.0170

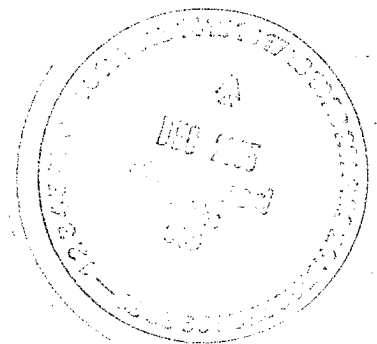
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Run File C:\STAR\DATA\12.29.04\3.14.05\PUREBECKHAM19-1.RUN
Method C:\star\method_extended_gas_scott.mth
Operator Vickie Sullivan Analysis Date 10/18/2005
Station Beckham 19-1 Company Pure Resources
Effective Date Pulled Data 10/17/05
Received Date 10/18/05 Composite/Spot

<u>Component</u>	<u>Mole %</u>	<u>BTU</u>	<u>GPM</u>
Methylcyclohexane	0.0275	1.44	0.0110
Toluene	0.0100	0.45	0.0033
n-Octane	0.0086	0.54	0.0044
Ethylbenzene	0.0117	0.61	0.0045
m&p xylene	0.0057	0.00	0.0000
o-Xylene	0.0028	0.15	0.0011
n-Nonane	0.0161	1.13	0.0090
n-Decane	0.0000	0.00	0.0000
Totals	100.0000	1,122.35	3.1334

Relative Density from Composition	0.6484
BTUs @ 14.65 Saturated	1,106
BTUs @ 14.65 Dry	1,125
Compressibility	0.99740



10/18/2005

**Laboratory Services, Inc.**

2609 W. Marland
Hobbs, New Mexico 88240
Telephone: (505) 397-3713

SULFUR IN CRUDE OIL

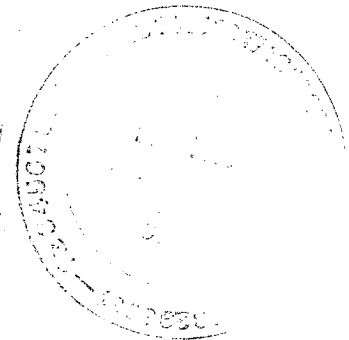
Pure Resources
Attention: Kenny Perry
P. O. Box 609
Lovington, New Mexico 88260

Oct 17, 2005

	Total Sulfur	API Gravity @ 60° F	Specific Gravity @ 60° F
Beckham 19-1	0.0669 wt. %	53.5	0.7648

Thank You,

Vicki McDaniel



**Laboratory Services, Inc.**

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Hobbs, New Mexico 88240

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ASTM DISTILLATION

Pure Resources

Attention: Kenny Perry

P. O. Box 609

Lovington, New Mexico 88260

Sample Date: 10/17/05

Sampled By: Glen/Pro Well

Beckham 19-1

Percent DistilledTemperature

IBP	96
5	141
10	171
20	202
30	228
40	257
50	293
60	356
70	449
80	549
90	622

% Recovered = 90.0
% Residue = 3.5
% Loss = 6.5

API Gravity @ 60° F = 53.5

Thanks,

Vicki McDaniel

