

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

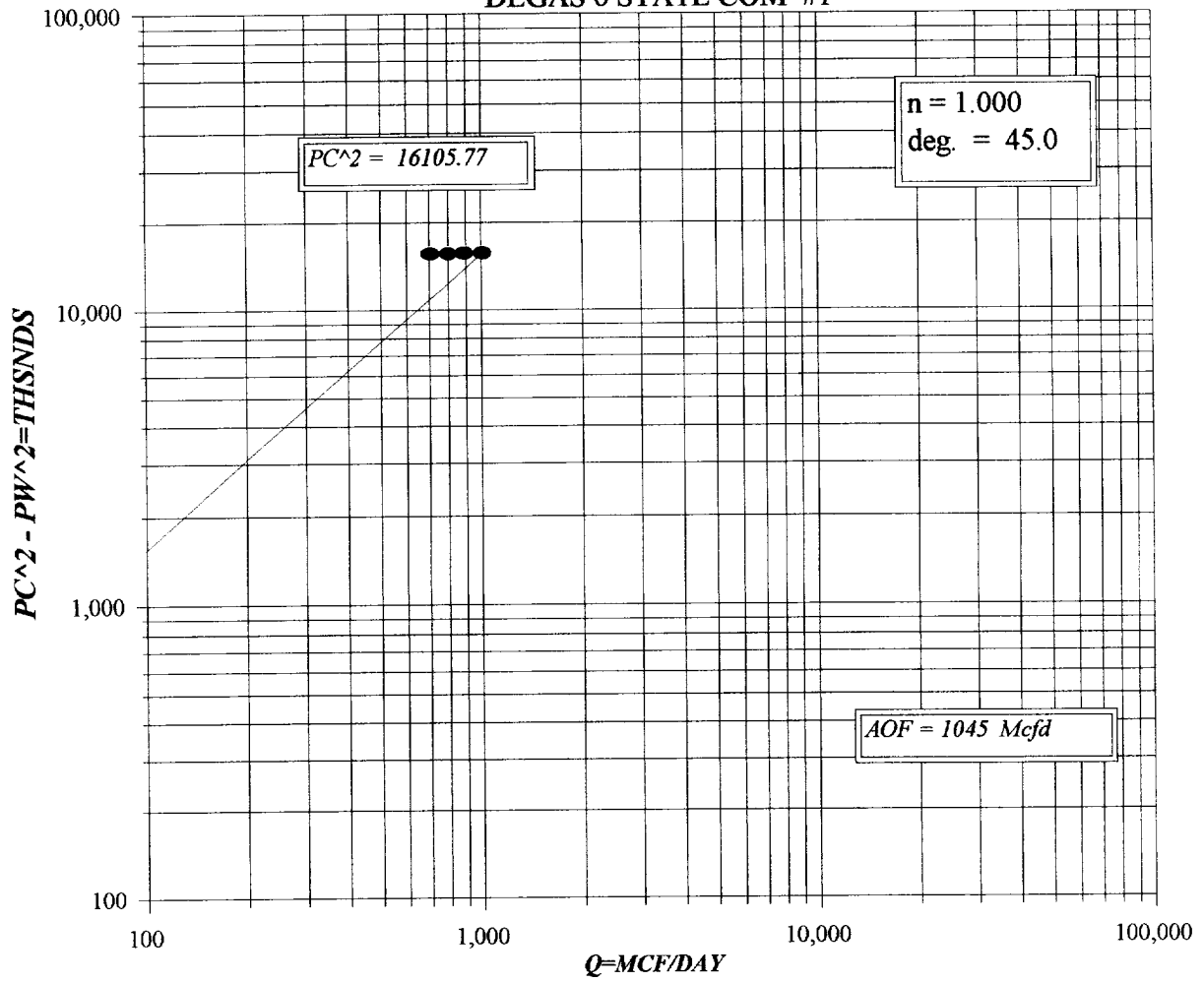
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator KUKUI OPERATING CO.					Lease or Unit Name DEGAS 6 ST. COM.				
Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 8/21/02		Well No. 1		
Completion Date 6/22/02		Total Depth 13120		Plug Back TD 13033		Elevation 4.055 GL		Unit Ltr - Sec - TWP - Rge G 6 16S 35E	
Csg. Size 5 1/2	Wt. 20	d 4.778	Set At 13120	Perforations: From: 12572 To: 12592			County LEA		
Tbg. Size 2 7/8	Wt. 6.5	d 2.441	Set At 12476	Perforations: From: To:			Pool TOWSEN ATOKA GAS		
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE					Packer Set At 12483		Formation ATOKA		
Producing Thru Tubing		Reservoir Temp. °F 199		Mean Annual Temp. °F 60		Baro. Press.-P _a 13.2		Connection SALES	
L 12483	H 12483	Gg 0.721	%CO ₂ 0.354	%N ₂ 1.715	%H ₂ S N/A	Prover N/A	Meter Run 4.026	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	Press p.s.i.g.	Temp. °F
SI						4000	N/A	PKR	N/A
1		4.026 X 2.000	48.6	34.4	69	596			1 HR
2		4.026 X 2.000	47.4	29.3	71	605			1 HR
3		4.026 X 2.000	47.4	23.6	78	635			1 HR
4		4.026 X 2.000	47.3	19.6	77	672			1 HR
5									
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}		Rate of Flow Q, Mcfd
1									1020
2									899
3	TOTAL		FLOW	METER					809
4									711
5									
No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio 23.882 Mcf/bbl.				
1					A.P. I. Gravity of Liquid Hydrocarbons 48.9 @ 60 Deg.				
2					Specific Gravity Separator Gas 0.721 XXXXXXXX				
3	TOTAL	FLOW	METER		Specific Gravity Flowing Fluid N/A XXXXXX GMIX=.847				
4					Critical Pressure 670 P.S.I.A. 666 P.S.I.A.				
5					Critical Temperature 394 R. 436 R				
P _c 4013.2 P _w 16105.77									
No.	P _t ²	P _w	P _w ²	P _c ² -P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1.024}{1.024 - 1.024} = 1.024$				
1		689.9	476	15629.8					
2		654.7	428.7	15667.1					
3		626.7	392.8	15713					
4		620.3	384.8	15724					
5									
Absolute Open Flow 1045 Mcfd @ 15.025					Angle of Slope (°): 45		Slope n: 1		
Remarks: * WELL MADE 6 BBLs OF 48.9 API GRAVITY CONDENSATE DURING TEST.									
Approved By Division:			Conducted By: PRO WELL TESTING		Calculated By: MERV BUECKER		Checked By: BM		

ORIGINAL SIGNED BY
PAUL F. KAUTZ
PETROLEUM ENGINEER

AUG 28 2002

KUKUI OPERATING CO.
DEGAS 6 STATE COM #1



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NEW MEXICO G.O.R./G. MIX

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NO. OF BBLs PRODUCED = 6.0
API GRAVITY @ 60 DEG. = 48.9

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SPECIFIC GRAVITY OF GAS = 0.7210

XX

TOTAL GAS PRODUCED = 143

G.O.R. = 23.882

G.MIX = 0.847

JUN-17-02 MON 12 16 Laboratory Services

P. 02

**Laboratory Services, Inc.**4016 Fleeta Drive
Hobbs, New Mexico 88240

Telephone: (505) 397-3713

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

SAMPLE:
IDENTIFICATION: Degas 6 Fed. Com. #1
COMPANY: Kukui Operating
LEASE:
PLANT:

SAMPLE DATA: DATE SAMPLED: 6/15/02
ANALYSIS DATE: 6/17/02
PRESSURE - PSIG
SAMPLE TEMP. °F
ATMOS. TEMP. °F

GAS (XX) LIQUID ()
SAMPLED BY: Rudy Lopez
ANALYSIS BY: Vickie Biggs

REMARKS: Sample taken @ the stack pao.
Crude Oil API Gravity @ 60° F = 48.9

COMPONENT ANALYSISATOKA

COMPONENT	MOL PERCENT	GPM
Hydrogen Sulfide (H2S)		
Nitrogen (N2)	1.715	
Carbon Dioxide (CO2)	0.354	
Methane (C1)	80.884	
Ethane (C2)	8.902	2.875
Propane (C3)	4.204	1.156
I-Butane (IC4)	0.780	0.255
N-Butane (NC4)	1.210	0.381
I-Pentane (IC5)	0.467	0.170
N-Pentane (NC5)	0.844	0.124
Hexane Plus (C6+)	1.140	0.495
	100.000	4.956

BTU/CU.FT. - DRY 1282
AT 14.650 DRY 1228
AT 14.650 WET 1207
AT 14.73 DRY 1235
AT 14.73 WET 1213

SPECIFIC GRAVITY -
CALCULATED 0.721
MEASURED

MOLECULAR WT. 20.9368