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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

RECEIVED

OCT 13 2005

ODD-ARTESIA

Form C-122
Revised October, 1999

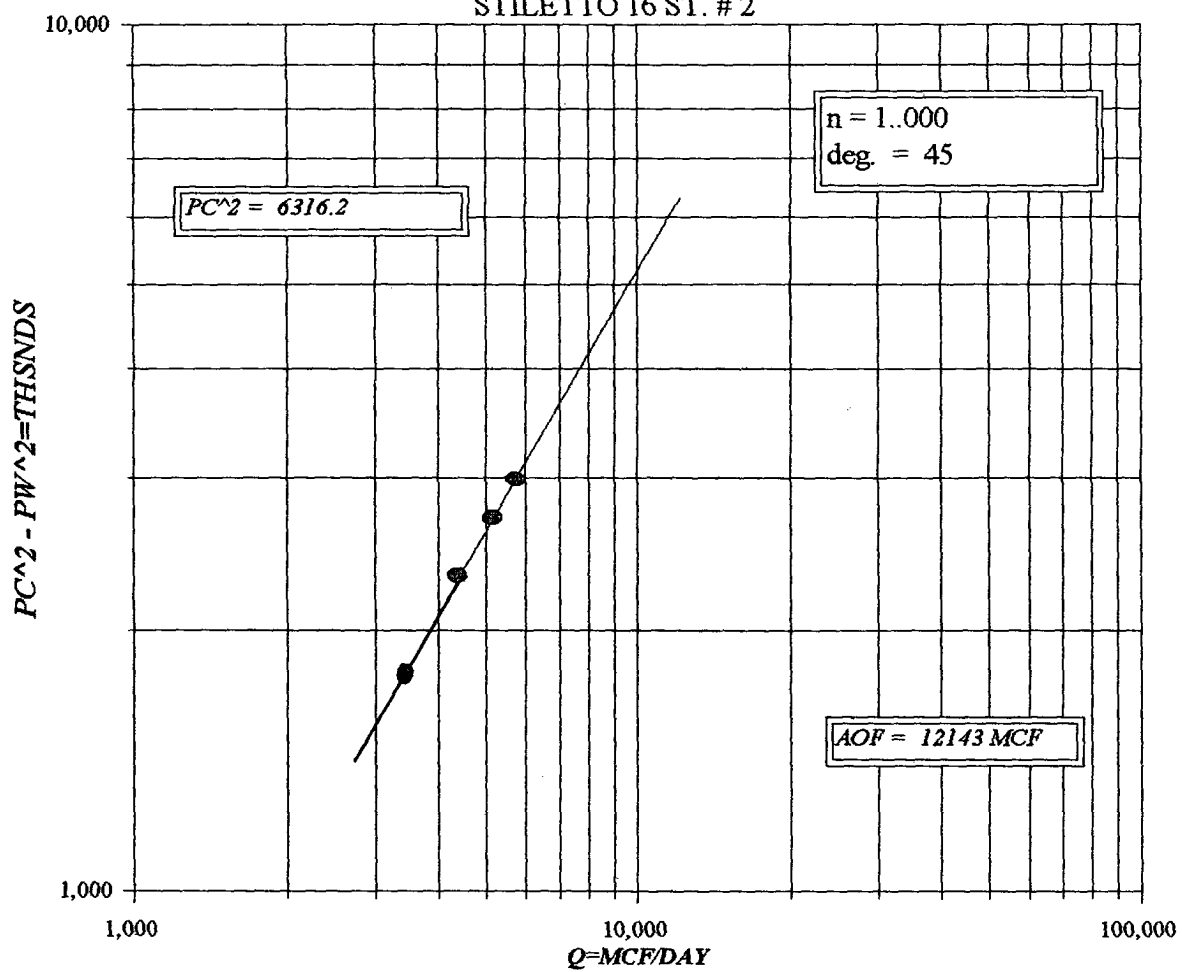
30-015-34150

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator ECHO PRODUCTION, INC.					Lease or Unit Name STILETTO 16 ST.						
Type Test ☒ Initial ☐ Annual ☐ Special							Test Date 9-22-05		Well No. 2		
Completion Date 9-19-05		Total Depth 9784			Plug Back TD 9724		Elevation		Unit Ltr - Sec - TWP - Rge 16 20 25		
Csg. Size 5 1/2	Wt. 17#	d	Set At 9782		Perforations: From: 9343 To: 9573			County EDDY			
Tbg. Size 2 3/8	Wt. 4.7	d	Set At 9253		Perforations: From: OPEN To: ENDED			Pool			
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE					Packer Set At 9253			Formation MORROW			
Producing Thru TBG		Reservoir Temp. °F 149.8 @ 9253		Mean Annual Temp. °F 60		Baro. Press. - P _a 13.2		Connection			
L 9253	H	Gg 9253	Gg 0.606	%CO ₂ 2.605	%N ₂ 0.221	%H ₂ S	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	Duration of Flow	
SI						2500	74	PKR		48 HRS	
1	4	X 2.000	320	56	80	2060	79	"		1 HR	
2	4	X 2.000	340	82	76	1860	91	"		1 HR	
3	4	X 2.250	395	59	84	1700	98	"		1 HR	
4	4	X 2.250	430	68	89	1560	104	"		1 HR	
5											
RATE OF FLOW CALCULATIONS											
No.	COEFFICIENT (24 Hour)		$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress Factor F _{pv}	Rate of Flow Q, Mcfd			
1	19.81		136.6	333.2	0.9813	1.285	1.023	3,491			
2	19.81		170.18	353.2	0.985	1.285	1.028	4,387			
3	25.64		155.19	408.2	0.9777	1.285	1.03	5,149			
4	25.64		173.6	443.2	0.9732	1.285	1.031	5,739			
5											
No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio			147.3 Mcf bbl.			
1	0.49	550	1.54	0.955	A.P.I. Gravity of Liquid Hydrocarbons			55.7 @ 60 Deg.			
2	0.52	536	1.5	0.947	Specific Gravity Separator Gas			0.606 XXXXXXXX			
3	0.6	544	1.53	0.942	Specific Gravity Flowing Fluid			XXXXXX GMI = .626			
4	0.65	549	1.54	0.94	Critical Pressure			* 679 P.S.I.A.	671 P.S.I.A.		
5					Critical Temperature			* 355 R.	365 R.		
P _c 2513.2		P ₂ 6316.2									
No.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{2.116}{\quad}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{2.116}{\quad}$						
1		2147.5	4611.9	1704.3							
2		2001.2	4004.8	2311.3							
3		1902.8	3620.8	2695.4							
4		1825.1	3331.2	2985							
5											
Absolute Open Flow					12,143	Mcf/d @ 15.025		Angle of Slope (°):	45	Slope n:	1
Remarks: Well produced 6.39 bbls H2O & 5.31 bbls 55.7 API condensate---* = Corrected to 2.605 % CO2											
Approved By Division:			Conducted By: Production Energy Services, Inc			Calculated By: BM			Checked By: BM		

ECHO PRODUCTION, INC.

STILETTO 16 ST. # 2



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

NO. OF BBLs PRODUCED = 5.3

API GRAVITY @ 60 DEG. = 55.7

.....
SPECIFIC GRAVITY OF GAS = 0.6060

XX
TOTAL GAS PRODUCED = 782

G.O.R. = 147.254

G.MIX = 0.626



Laboratory Services, Inc.

2609 West Marland
Hobbs, New Mexico 88240

Telephone: (505) 397-3713

FOR: Echo Production Inc.
Attention: Mr. Tom Golden
P. O. Box 1210
Graham, Texas 76450

SAMPLE:
IDENTIFICATION: Stiletto 16 #2
COMPANY: Echo Production Inc.
LEASE:
PLANT:

SAMPLE DATA: DATE SAMPLED: 9/23/05 11:00 am
ANALYSIS DATE: 9/23/05
PRESSURE - PSIG 400
SAMPLE TEMP. °F 78
ATMOS. TEMP. °F 85

GAS (XX) LIQUID ()
SAMPLED BY: Bart/PESI
ANALYSIS BY: Vickie Sullivan

REMARKS: Crude Oil API Gravity @ 60° F = 55.7

COMPONENT ANALYSIS

COMPONENT		MOL PERCENT	GPM
Hydrogen Sulfide	(H2S)		
Nitrogen	(N2)	0.221	
Carbon Dioxide	(CO2)	2.605	
Methane	(C1)	93.597	
Ethane	(C2)	2.626	0.701
Propane	(C3)	0.523	0.144
I-Butane	(IC4)	0.107	0.035
N-Butane	(NC4)	0.082	0.026
I-Pentane	(IC5)	0.055	0.020
N-Pentane	(NC5)	0.040	0.014
Hexane Plus	(C6+)	0.144	0.062
		100.000	1.002

BTU/CU.FT. - DRY 1022
AT 14.650 DRY 1019
AT 14.650 WET 1001
AT 14.73 DRY 1024
AT 14.73 WET 1006

MOLECULAR WT. 17.5533

SPECIFIC GRAVITY -
CALCULATED 0.606
MEASURED



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ASTM DISTILLATION

Echo Production Inc.
Attention: Mr. Tom Golden
P. O. Box 1210
Graham, Texas 76450

Sample Date: 9/23/05
Sampled By: Bart/PESI

Stiletto 16 #2

Percent Distilled

Temperature

IBP	126
5	188
10	201
20	237
30	256
40	277
50	309
60	340
70	370
80	407
90	463
EP	534

% Recovered = 96.0
% Residue = 2.5
% Loss = 1.5

API Gravity @ 60° F = 55.7

Vicki McDaniel



Laboratory Services, Inc.

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

SULFUR IN CRUDE OIL

Echo Production Inc.
Attention: Mr. Tom Gladden
P. O. Box 1210
Graham, Texas 76450

Sep 23, 2005

	Total Sulfur	API Gravity @ 60° F	Specific Gravity @ 60° F
Stiletto 16 #2	0.0876 wt. %	55.7	0.7558

Thank You,

Vickie Sullivan