

HYDROCARBON ANALYSIS Form 15-1B (Rev. 12-65)

PERMIAN DIVISION
LABORATORY

TYPE ANALYSIS	Pod	Mass Spec.	Chromatograph	Other	Analysis No. 35887
Sample From Toby #4 Unit #1					
Owner Arco				State N.M.	County Lea
Location or Field Jalmat			Formation Yates	Depth	From To

Date Secured 6-11-75	Secured by Patterson	Department
Date Run 6-11-75	Run by Simmons	Checked by
Source Press.	Bomb Press.	Source Temp. Atmos. Temp.

BTU @ 14.696	Actual	Calculated, Dry 1132.94	SP. GR. @ 14.696 & 60° F	Actual	Calculated .682
Hydrogen Sulphide as grs. H ₂ S/100 SCF	2.83 gr.	Mercaptan as grs. Sulfur/100 SCF	1.69 gr.	Total	4.52 gr.
VAPOR PRESS. @ 100° F	Actual, Reid	Calculated			

COMPONENT	MOLE %	GPM	LIQ. VOL. %
Helium HE ₂			
Hydrogen Sulphide H ₂ S			
Carbon Dioxide CO ₂	1.93		
Nitrogen N ₂	1.92		
Methane C ₁	83.51		
Ethane C ₂	7.04		
Propane C ₃	3.44	.946	
Iso Butane IC ₄	.50	.163	
Normal Butane C ₄	1.04	.328	
Iso Pentane IC ₅	.30	.110	
Normal Pentane C ₅	.25	.091	
Hexane C ₆	.04	.017	
Heptane C ₇	.03	.015	
Total	100.00	1.670	

DISTRIBUTION

cc: H.H.	J.W.B.
J.W.C.	D.D.
H.G.	J.W.C.
A.J.D.	E.S.
H.W.	File

ENGLER	
IBP	% @ 96
5	% @ 140
10	% @ 275
20	End Point
30	Recovery
40	Residue
50	Loss
60	
70	
80	
90	

REMARKS

SEC 12, TWP 24, RGE 36