



COMPENSATED
ACOUSTIC VELOCITY
LOG

COMPAN, <u>Belco Petroleum Corporation</u>		
WELL <u>Jarvis Mead # 1</u>		
FIELD <u>Wildcat</u>		
County <u>Eddy</u> State <u>N. M.</u>		
COMPANY <u>BELCO PETROLEUM CORPORATION</u>		
WELL <u>JARVIS MEAD # 1</u>		
FIELD <u>WILDCAT</u>		
COUNTY <u>EDDY</u> STATE <u>NEW MEXICO</u>		
Location <u>1980' FWL & 660' FSL</u>		
Sec. <u>5</u> Twp <u>22-S</u> Rge <u>27-E</u>		
Other Services: <u>Forxo-Guard</u>		
Permanent Datum <u>Ground Level</u> Elev. <u>3141'</u>		
Log Measured From <u>K. B. - 18</u> Ft. Above Perm. Datum		
Drilling Measured From <u>Kelly Bushing</u>		
Date	<u>1/5/76</u>	<u>1/25/76</u>
Run No.	<u>- One -</u>	<u>- Two -</u>
Depth—Driller	<u>11,750</u>	<u>12,478</u>
Depth—Welex	<u>11,740</u>	<u>12,463</u>
Btm. Log Inter.	<u>11,710</u>	<u>12,457</u>
Top Log Inter.	<u>50</u>	<u>11,710</u>
Casing—Driller	<u>9-5/8" @ 3,000</u>	<u>7" @ 11,781</u>
Casing—Welex	<u>8-1/2"</u>	<u>6"</u>
Type Fluid in Hole	<u>Mud</u>	<u>Fresh Mud</u>
Dens. I Visc.	<u>10.8</u>	<u>9.41</u>
pH I Fluid Loss	<u>8</u>	<u>10.516</u>
Source of Sample	<u>Circulated</u>	<u>Pit</u>
R _m @ Meas. Temp.	<u>.08 @ 59 °F</u>	<u>.70 @ 70 °F</u>
R _{mf} @ Meas. Temp.	<u>.06 @ 52 °F</u>	<u>.65 @ 70 °F</u>
R _{mc} @ Meas. Temp.	<u>@ °F</u>	<u>.80 @ 70 °F</u>
Source R _m R _{mc}	<u>Measured</u>	<u>Measured</u>
R _m @ BHT	<u>.029 @ 181 °F</u>	<u>.31 @ 180 °F</u>
Time Since Circ.	<u>6 Hours</u>	
Max Rec. Temp.	<u>181 °F @</u>	<u>180 °F @ B.H.</u>
Equip. I Location	<u>9937 I Hobbs</u>	<u>8444 I Hobbs</u>
Recorded By	<u>Randolph & Harrison</u>	<u>Ed Morris</u>
Witnessed By	<u>Mr. Henry & Mr. Boundy</u>	

Change in Mud Type or Additional Samples				SCALE CHANGES			
Date	Sample No.			Type Log	Depth	Scale Up Hole	Scale Down Hole
Depth—Driller							
Type Fluid in Hole							
Dens.	Visc.						
ph	Fluid Loss						
Source of Sample				EQUIPMENT DATA			
R _m @ Meas. Temp.	@ °F	@ °F	Run No.	Tool Type and No.	Pad Type	Tool Position	Other
R _{mf} @ Meas. Temp.	@ °F	@ °F	<u>-1-</u>	<u>AVL 13442</u>		<u>Centralized</u>	
R _{mc} @ Meas. Temp.	@ °F	@ °F		<u>AVL 24A 13224</u>	<u>Rigid Center</u>		
Source: R _m R _{mc}							
R _m @ BHT	<u>.029 @ 181 °F</u>	<u>.31 @ 180 °F</u>					
R _{mf} BHT	<u>.020 @ 181 °F</u>	<u>.275 @ 180 °F</u>					
R _{mc} BHT	<u>@ °F</u>	<u>.33 @ 180 °F</u>					
Service Ticket No.				Remarks: <u>Ticket Nos Run 1-111621; Run 2-121066</u>			

Welex does not guarantee the accuracy of any interpretation of log data, conversion of log data to physical rock parameters, or recommendations which may be given by Welex personnel or which may appear on the log or in any other form. Any user of such data, interpretations, conversions, or recommendations agrees that Welex is not responsible, except where due to gross negligence or wilful misconduct, for any loss, damages, or expenses resulting from the use thereof.

2" = 100'

POTENTIAL MILLIVOLTS

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+

GAMMA

API Gamma Ray Units

0

100

100

200

CALIPER

Average Diameter In.

TRAVEL TIME

MICROSECONDS PER FT.

$T = \frac{3'}{R_1} + \frac{1'}{R_2}$

100

70

40

160

130

100