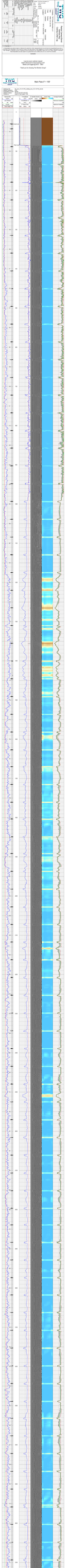

Well Name: Well Number: 1
Well Type: Oil Well
Operator: Petro-Hunt, L.L.C.
Field: Wildcat
Location: 1980' FSL & 1980' FEL
Sec 10 Twp 21 S Rge 17 E
Kiowa County, Kansas
Elevation: KB: 2184 GL: 2172
Spud Date: 10/12/2010
Completed: 10/22/2010
Total Depth: 4800
Drilling Contractor: Duke Drilling Co. Inc.
Rig #: 7
Casing Record: Surface: 8 5/8" @ 1000'
Production: 4 1/2" @ 4800'
Mud Type: Chemical
Drill Stem Tests: DST #1: 4700-4800, Open 30-30-30-30, Recovered 10' Mud
DST #2: 4700-4800, Open 30-30-30-30, Recovered 10' Mud
Formation Tops: Anhydrite 1000 (+1184), Base Anhydrite 1030 (+1154), Topeka 3700 (-1516), Heebner 3930 (-1746), Lansing 3970 (-1786), Stark Shale 4270 (-2086), Marmaton 4300 (-2116), Pawnee 4400 (-2216), Fort Scott 4450 (-2266), Cherokee Shale 4500 (-2316), Mississippian 4600 (-2416)
Comments: Log tops are estimated from the Schlumberger Compensated Neutron Density Log dated 10/22/2010.
Well Log Analysis by Kevin Kessler
Scale Plate 1" = 100'
TWG
TWG Well Log Analysis
Petro-Hunt, L.L.C.
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Location: 1980' FSL & 1980' FEL
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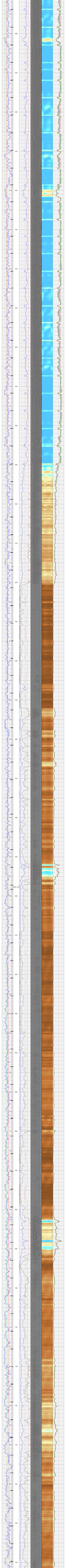
Comments: Log tops are estimated from the Schlumberger Compensated Neutron Density Log dated 10/22/2010.
Well Log Analysis by Kevin Kessler
Scale Plate 1" = 100'
Depth
Gamma Ray
Caliper
Resistivity
Porosity
Lithology
Fluid Type
Formation Tops
Drill Rate
Drill Time
Mud Weight
Mud Viscosity
Mud Loss
Gas Units
Chlorides
Sample Description
Comments



Gamma Ray	3' Amplitude	5' Variable Density Log	Sector Map	Average Amplitude
0 (GAPI) 150	0 (mV) 100	200 (usec) 1200		0 120
Line Tension	3' Amplitude x 5			Mimimum Amplitude
0 (lb) 4000	0 (mV) 20			0 120
-9 CCL$1 1	3' Travel Time			Maximum Amplitude
0 Temp (degF) 300	650 (usec) 150			0 120

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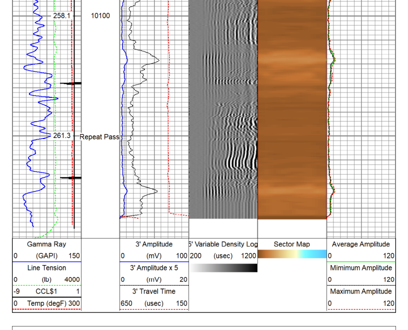
Repeat Pass 5" = 100'

Database File tep_wmc_514-18-793_rcbl\tep_wmc_514-18-793_rcbl.db
Dataset Pathname repeat
Presentation Format twgrcbl
Dataset Creation Thu Oct 05 09:30:29 2023
Charted by Depth in Feet scaled 1:240

Gamma Ray	3' Amplitude	5' Variable Density Log	Sector Map	Average Amplitude
0 (GAPI) 150	0 (mV) 100	200 (usec) 1200		0 120
Line Tension	3' Amplitude x 5			Mimimum Amplitude
0 (lb) 4000	0 (mV) 20			0 120
-9 CCL$1 1	3' Travel Time			Maximum Amplitude
0 Temp (degF) 300	650 (usec) 150			0 120



Gamma Ray	3' Amplitude	5' Variable Density Log	Sector Map	Average Amplitude
0 (GAPI) 150	0 (mV) 100	200 (usec) 1200		0 120
Line Tension	3' Amplitude x 5			Mimimum Amplitude
0 (lb) 4000	0 (mV) 20			0 120
-9 CCL$1 1	3' Travel Time			Maximum Amplitude
0 Temp (degF) 300	650 (usec) 150			0 120

Calibration Report

Database File c:\programdata\warrior\data\tep_wmc_514-18-793_rcbl\tep_wmc_514-18-793_rcbl.db
Dataset Pathname main
Dataset Creation Thu Oct 05 09:33:48 2023

Gamma Ray Calibration Report

Serial Number: FW1311-93
Tool Model: 50-GCT275-0000
Performed: Wed Aug 9 11:12:55 2023

Calibrator Value: 145.2 GAPI

Background Reading: 73.8 cps
Calibrator Reading: 294.4 cps

Sensitivity: 0.6579 GAPI/cps

Inclinometer Calibration Report

Performed: Thu Jan 26 15:51:24 2023

	Low Read.	High Read.	Low Ref.	High Ref.	
X Accelerometer	-941.00	997.00	-1.00	1.00	gee
Y Accelerometer	-924.00	915.00	-1.00	1.00	gee
Z Accelerometer	15.07	-898.87	0.00	1.00	gee

Segmented Cement Bond Log Calibration Report

Serial Number: FW1312-30
Tool Model: Probe275acc

Calibration Casing Diameter: 4.500 in
Calibration Depth: 42.000 ft

Master Calibration, performed Wed Oct 4 08:04:53 2023:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.001	0.747	0.300	81.196	108.533	0.141
CAL	0.000	0.754				
5'	0.006	0.626	0.300	81.196	130.386	-0.461
SUM						
S1	0.000	0.749	0.000	100.000	113.475	-0.037
S2	0.001	0.773	0.000	100.000	119.409	-0.090
S3	0.002	0.764	0.000	100.000	131.261	-0.288
S4	0.002	0.742	0.000	100.000	135.014	-0.208
S5	0.002	0.749	0.000	100.000	133.758	-0.209
S6	0.001	0.740	0.000	100.000	135.255	-0.097
S7	0.001	0.746	0.000	100.000	134.220	-0.175
S8	0.002	0.744	0.000	100.000	124.819	-0.249

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.000	0.754	1.000	0.000

Air Zero Calibration, performed Wed Oct 4 08:05:16 2023:

	Raw (v)	Calibrated (v)	Results
	Zero	Zero	Offset
3'	0.001	0.000	0.000
5'	0.004	0.000	0.002
SUM			
S1	0.002	0.000	-0.001
S2	0.001	0.000	-0.001
S3	0.001	0.000	0.001
S4	0.001	0.000	0.000
S5	0.001	0.000	0.000
S6	0.002	0.000	-0.001
S7	0.002	0.000	-0.000
S8	0.001	0.000	0.001

Inclinometer Calibration Report

Performed: Thu Jul 28 15:46:49 2022

	Low Read.	High Read.	Low Ref.	High Ref.	
X Accelerometer	-931.00	904.00	-1.00	1.00	gee
Y Accelerometer	-899.00	884.00	-1.00	1.00	gee
Z Accelerometer	1.47	886.18	0.00	1.00	gee

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GCT_FMWR	13.52					
mSec_Count	13.52					
RBT_Status	13.52					
Error_Ct	13.52					
			SO BS CENT-2750-4500 Slip Over 2-3/4" I.D. for 4-1/2" O.D. Casing Bow Spring Centralizer	1.33	3.25	10.00
			RBT8acc-Probe275acc (FW1312-30) 2.75" Radial Corrosion with accelerometer	8.75	2.75	110.00
WVFS8	9.02					
WVFS7	9.02					
WVFS6	9.02					
WVFS5	9.02					
WVFS4	9.02					
WVFS3	9.02					
WVFS2	9.02					
WVFS1	9.02					
WVF3FT	9.02					
WVF5FT	8.02					
RBT_ACCZ	4.77					
RBT_ACCY	4.77					
RBT_ACCX	4.77					
WVFSYNC	4.77					
WVFCAL	4.77					
GCT_HV	4.76					
CCL$2	3.81					
CCL$1	3.81					
GCT_Temp	3.26		SO BS CENT-2750-4500 Slip Over 2-3/4" I.D. for 4-1/2" O.D. Casing Bow Spring Centralizer	1.33	3.25	10.00
GR	2.39		GCT_acc-50-GCT275-0000 (FW1311-93) Probe 2.75" Gamma Ray - CCL w/Temp (Single Pin)	4.77	2.75	55.00
GCT_IntTemp	1.67					
GCT_ACCZ	0.00					
GCT_ACCY	0.00					
GCT_ACCX	0.00					

Dataset: tep_wmc_514-18-793_rcbl.db: field/well/run1/main
Total length: 13.52 ft
Total weight: 195.00 lb
O.D.: 3.25 in

Company TEP Rocky Mountain LLC
Well WMC 514-18-793
Field Rulison
County Garfield State Colorado

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Radial Cement Bond
Gamma Ray
Casing Collar Log