RENEGADE SERVICES

COMPENSATED NEUTRON
GAMMA-RAY
CCL
LOG

Company	TABULA RASA ENERGY
Well	CADDELL #3
Field	OAKDALE
County	HUERFANO
State	COLORADO

Company TABULA RASA ENERGY
Well CADDELL #3
Field OAKDALE
County HUERFANO **State** COLORADO

Location: API # : 05-055-063190

1334' FSL & 1212' FEL
1578' FNL & 730' FEL

SEC TWP RGE

Other Services: NA

Permanent Datum	GROUND LEVEL	Elevation
Log Measured From	KELLY BUSHING 11' ABOVE PERM DATUM	
Drilling Measured From	KELLY BUSHING	

Elevation
K.B. 7845'
D.F. 7844'
G.L. 7834'

Date	9-7-15		
Run Number	ONE		
Depth Driller	6670'		
Depth Logger	6670'		
Bottom Logged Interval	6670'		
Top Log Interval	Surface		
Open Hole Size	NA		
Type Fluid	WATER		
Density / Viscosity	NA		
Max. Recorded Temp.	NA		
Estimated Cement Top	NA		
Time Well Ready	ROA		
Time Logger on Bottom	11:00 AM		
Equipment Number	49		
Location	LEVELLAND TX		
Recorded By	RD MOTHERAL		
Witnessed By	MR. HOLLADAY		

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String				
Prot. String				
Production String	5.5"	15.5#	SURFACE	6460'
Liner				

<<< Fold Here >>>

All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

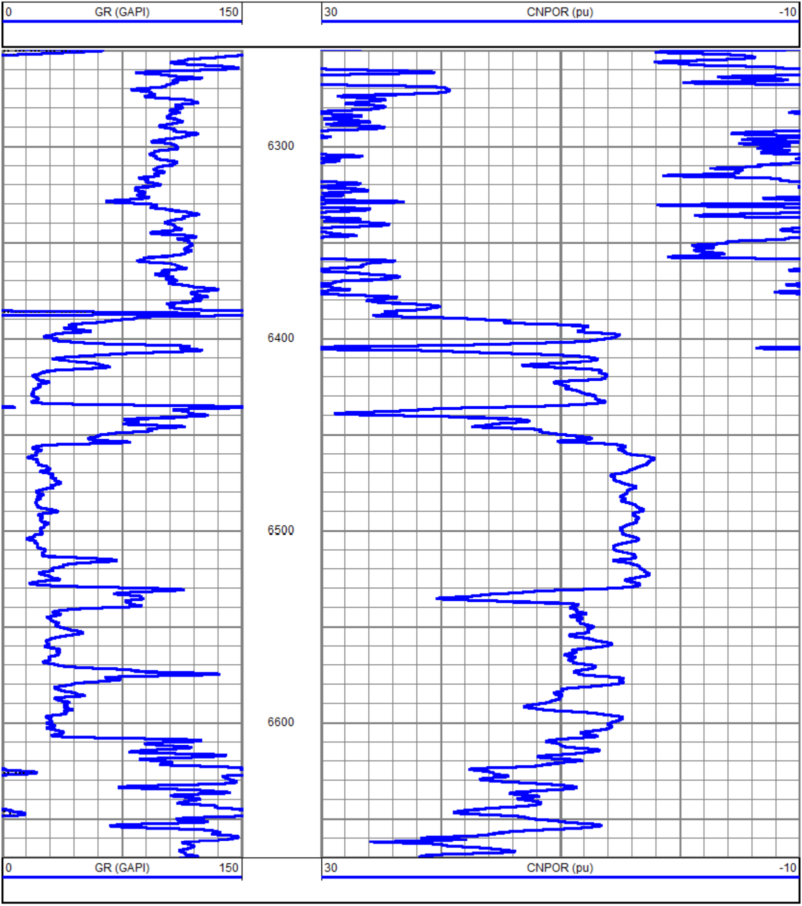
Comments

LOG SET TO BAKER HUGHES CNL 7-6-15

RENEGADE SERVICES

MAIN PASS

Database File	tabula rasa-sm.db
Dataset Pathname	tab/1/run1/pass9
Presentation Format	cnl2inch
Dataset Creation	Fri Sep 04 16:15:09 2015
Charted by	Depth in Feet scaled 1:600

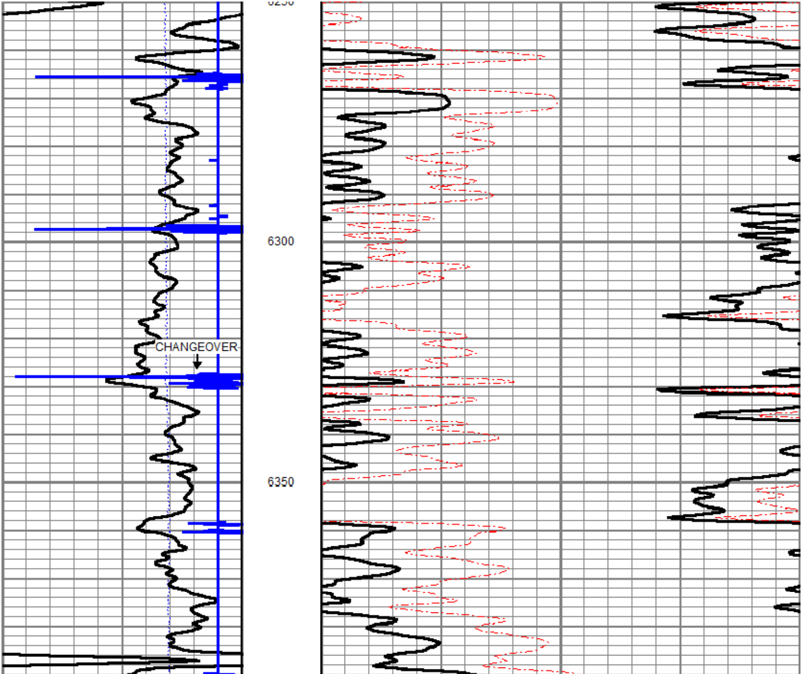


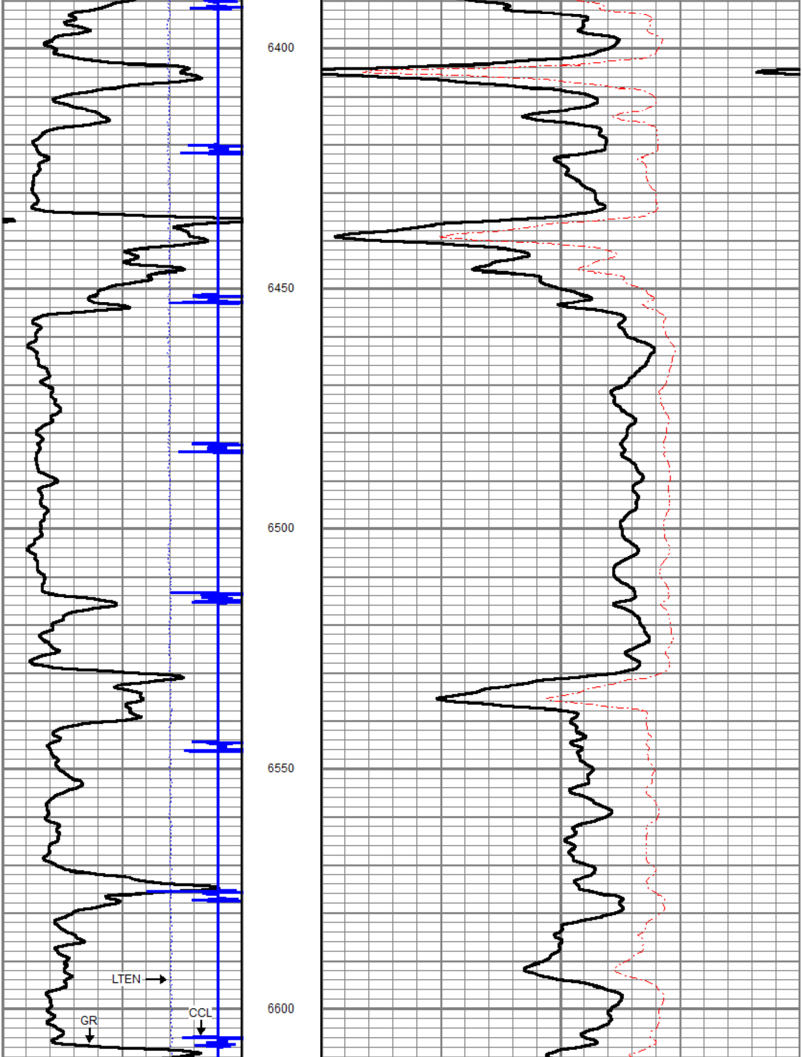
MAIN PASS

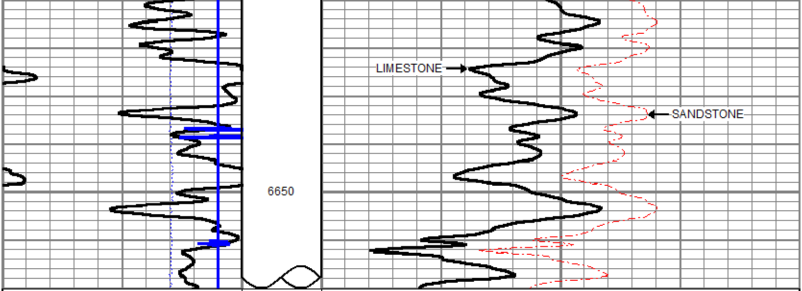
Database File	tabula rasa-sm.db
Dataset Pathname	tab/1/run1/pass9
Presentation Format	cntcnts
Dataset Creation	Fri Sep 04 16:15:09 2015
Charted by	Depth in Feet scaled 1:240

0	LTEN (lb)	4000
0	GR (GAPI)	150
-9	CCL	1

30	Limestone (pu)	-10
30	Sandstone (pu)	-10







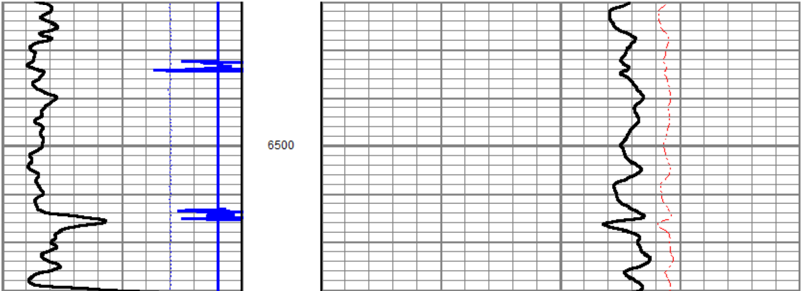
0	LTEN (lb)	4000	30	Limestone (pu)	-10
0	GR (GAPI)	150	30	Sandstone (pu)	-10
-9	CCL	1			

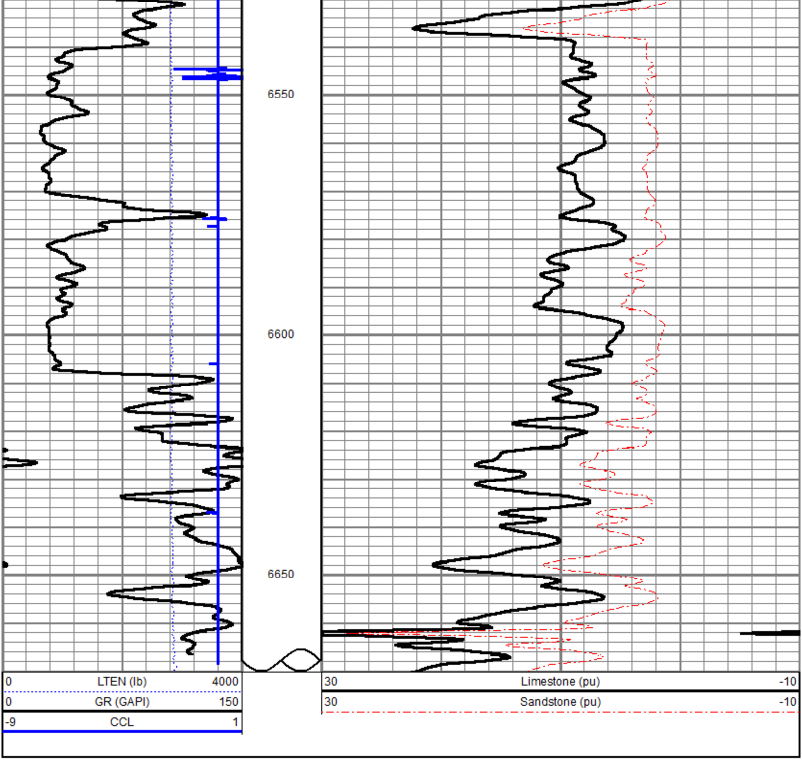
RENEGADE SERVICES

REPEAT SECTION

Database File	tabula rasa-sm.db
Dataset Pathname	tab/1/run1/pass8
Presentation Format	cntcnts
Dataset Creation	Fri Sep 04 16:04:33 2015
Charted by	Depth in Feet scaled 1:240

0	LTEN (lb)	4000	30	Limestone (pu)	-10
0	GR (GAPI)	150	30	Sandstone (pu)	-10
-9	CCL	1			



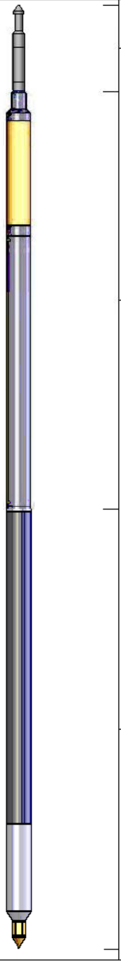


Log Variables

Database F:\8 data\tabula rasa-sm.db
Dataset tab/1/run1/pass10

Top - Bottom

CMTTKCOR On	CSTKCOR On	SZCOR On	CASED? Yes	NPORSEL Limestone	CMNTTHCK in 0	CASETHCK in 0	PPT usec 0	CASEWGHT lb/ft 15.5	MAXAMPL mV 0
MINAMPL mV 0	MINATTN db/ft 0	CASEOD in 3.5	PERFS 0	TDEPTH ft 0	BOTTEMP degF 100	BOREID in 7.875			

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
			STNDRD (GOI) Standard Cable Head	1.00	1.38	10.00
CCL	8.91					
GR	7.57					
			Probe275dig (100514) Probe Digital Gamma CCL	4.77	2.75	57.00
			CNT-Probe_B (100526)	5.03	2.75	40.00
CNLSC	1.65					
CNSSC	1.24					

Dataset:	tabula rasa-sm.db: tab/1/run1/pass9
Total length:	10.80 ft
Total weight:	107.00 lb
O.D.:	2.75 in

Calibration Report

Database File	tabula rasa-sm.db
Dataset Pathname	tab/1/run1/pass9
Dataset Creation	Fri Sep 04 16:15:09 2015

Compensated Neutron Calibration Report

Serial Number:	100526
Tool Model:	Probe_B

TANK CALIBRATION Thu Aug 27 21:11:27 2015

	Tool Ratio	Tank Ratio	K-Factor
Tank Calibration	11.0907	11.6940	1.0544

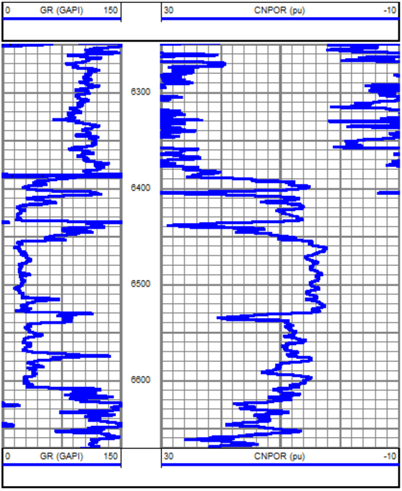
Detector	Readings	
Short Space	791.21	cps
Long Space	71.34	cps

Gamma Ray Calibration Report

Serial Number:	100514	
Tool Model:	Probe275dig	
Performed:	Thu Aug 27 21:25:38 2015	
Calibrator Value:	328.0	GAPI
Background Reading:	92.4	cps
Calibrator Reading:	504.8	cps
Sensitivity:	0.7952	GAPI/cps

RENEGADE SERVICES

MAIN PASS

Database File	tabula rasa-sm.db
Dataset Pathname	tab/1/run1/pass9
Presentation Format	cnl1inch
Dataset Creation	Fri Sep 04 16:15:09 2015
Charted by	Depth in Feet scaled 1:1200