LEETH EVALUATION

Company	RITCHIE EXPLORATION, INC.
Well	NAU 25C 1
Field	WILDCAT
County	FORD
State	KANSAS

Location	SEC	TWP	RGE	
Spot	25	26S	23W	
1798FSL 1538FWL				

API Well Number	15-057-20848

Permanent Datum	GROUND LEVEL	Elevation	K.B.
Log Measured From	K.B.	A.G.L.	D.F.
Drilling Measured From	KELLY BUSHING		G.L.

Description	Date	Top Parameter Depth	Bottom Parameter Depth	Bit Size	BHT	Rmf @ FT	Rw @ FT	Location	Evaluation By	Recommended Perf / SPF	Recommended Perf / SPF
Zone 1	11/8/2012	4300	5060	7.875	128	0.320	0.040	WICHITA	R. LEETH		
Zone 2											
Zone 3											
Zone 4											
Zone 5											
Zone 6											

We do not guarantee results, nor make warranties either expressly or implied. Under no circumstances shall we be liable damages relative to this evaluation.

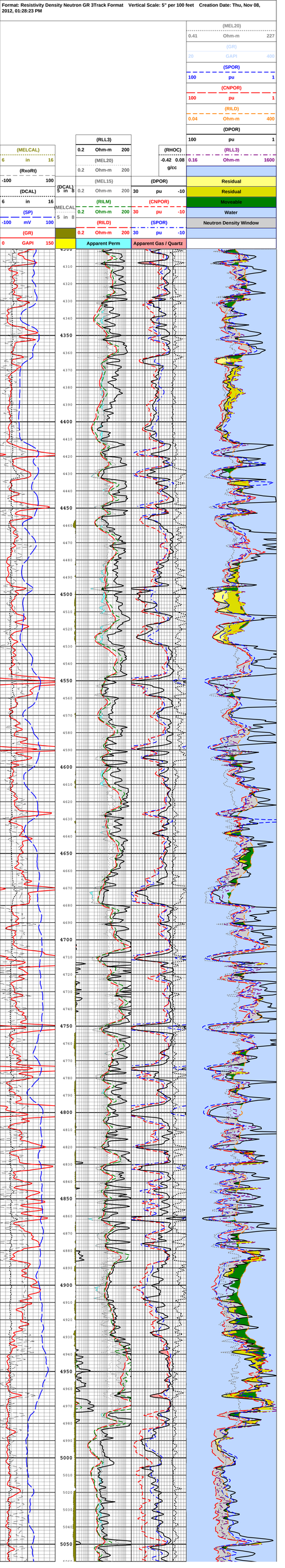
LOG DATA

Name	Description
DEPTH.FT	depth
CNPOR.PU	Compensated Neutron porosity
DCAL.IN	Compensated Density caliper
DPOR.PU	Compensated Density porosity
GR.API	gamma ray
MEL15.OHM-M	1.5 inch Microinverse resistivity
MEL20.OHM-M	2 inch Micronormal resistivity
MELCAL.IN	Microlog caliper
PE.	Photoelectric Pffect
RHOC.G/CC	Compensated Density correction
RILD.OHM-M	Deep Induction resistivity
RILM.OHM-M	Medium Induction resistivity
RLL3.OHM-M	Short Guard resistivity
RxoRt.	ratio of shallow resistivity to deep resistivity
SP.MV	spontaneous potential
SPOR.PU	Sonic porosity

EVALUATION DATA

Name	Description
DEPTH.FT	depth
BIT.IN	bit size
BVWb.V/V	bulk volume water in matrix porosity system
BVWs.V/V	bulk volume water in secondary porosity system
BVWsgxo.V/V	bulk volume water in the flushed zone system
CALI.IN	caliper
Dh.G/CC	hydrocarbon density
DMAA.G/CC	apparent matrix density
DSRGIP.MMCFG	delta sum recoverable gas in place
DSROIP.BO	delta sum recoverable oil in place
DSUMQg.MCFGPD	delta sum of productive gas
DSUMQo.BOPD	delta sum of productive oil
DSUMQw.BWPD	delta sum of productive water
GR.API	gamma ray
Khb.MD	permeability to hydrocarbon from matrix porosity system
Khs.MD	permeability to hydrocarbon from secondary porosity system
ms.DEC	cementation exponent for secondary porosity system
OOM.DEC	oomoldic flag
PSGC.V/V	gas corrected sonic porosity
PX.V/V	crossplot porosity
Rds.OHMM	calculated deep resistivity
SP.MV	spontaneous potential
SUMQg.MCFGPD	sum of productive gas
SUMQo.BOPD	sum of productive oil
SUMQw.BWPD	sum of productive water
SUMRGIP.MMCFG	sum of recoverable gas in place
SUMROIP.BO	sum of recoverable oil in place
Swb.V/V	water saturation in matrix porosity system
Sws.V/V	water saturation in secondary porosity system
Sxo.V/V	water saturation of the flushed zone
VSH.V/V	shale volume

Format: Resistivity Density Neutron GR 3Track Format Vertical Scale: 5" per 100 feet Creation Date: Thu, Nov 08, 2012, 01:28:23 PM



Format: Blank 3Track Vertical Scale: 5" per 100 Ft Creation Date: Thu, Nov 08, 2012, 02:10:54 PM