LEETH EVALUATION

Company	SIROKY OIL MANAGEMENT
Well	FISHGRAB #1
Field	SAWYER
County	BARBER
State	KANSAS

Location Spot	330FNL 230FNL	SEC 2	TWP 30S	RGE 13W
API Well Number	15-007-24160			
Permanent Datum	GROUND LEVEL	Elevation		
Log Measured From	K.B.	A.G.L.		
Drilling Measured From	KELLY BUSHING			

Elevation	
K.B.	
D.F.	
G.L.	

Description	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6
Date	5/4/2014					
Top Parameter Depth	4000	4175	4587			
Bottom Parameter Depth	4175	4587	4642			
Bit Size	7.875					
BHT	122					
Rmf @ FT	1.000	0.200	0.200			
Rw @ FT	0.040	0.040	0.062			
Location	WICHITA					
Evaluation By	R. LEETH					
Recommended Perf / SPF						
Recommended Perf / SPF						

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, May 01, 2014, 03:35:43 PM

	(MEL20)	
0.84	OHM-M	462
	(GR)	
20	GAPI	400
	(CNPOR)	
100	PU	1
	(RILD)	
0.04	OHM-M	400
	(DPOR)	
100	PU	1
	(RLL3)	
0.18	OHM-M	1800

	(MELCAL)	
6	IN	16
	(RxoRt)	
-100		100
	(DCAL)	
6	IN	16
	(SP)	
-100	MV	100
	(GR)	
0	GAPI	150

	(RLL3)	
0.2	OHM-M	200
	(MEL20)	
0.25	OHM-M	250
	(MEL15)	
0.25	OHM-M	250
	(RILM)	
0.2	OHM-M	200
	(RILD)	
0.2	OHM-M	200
	Apparent Perm	

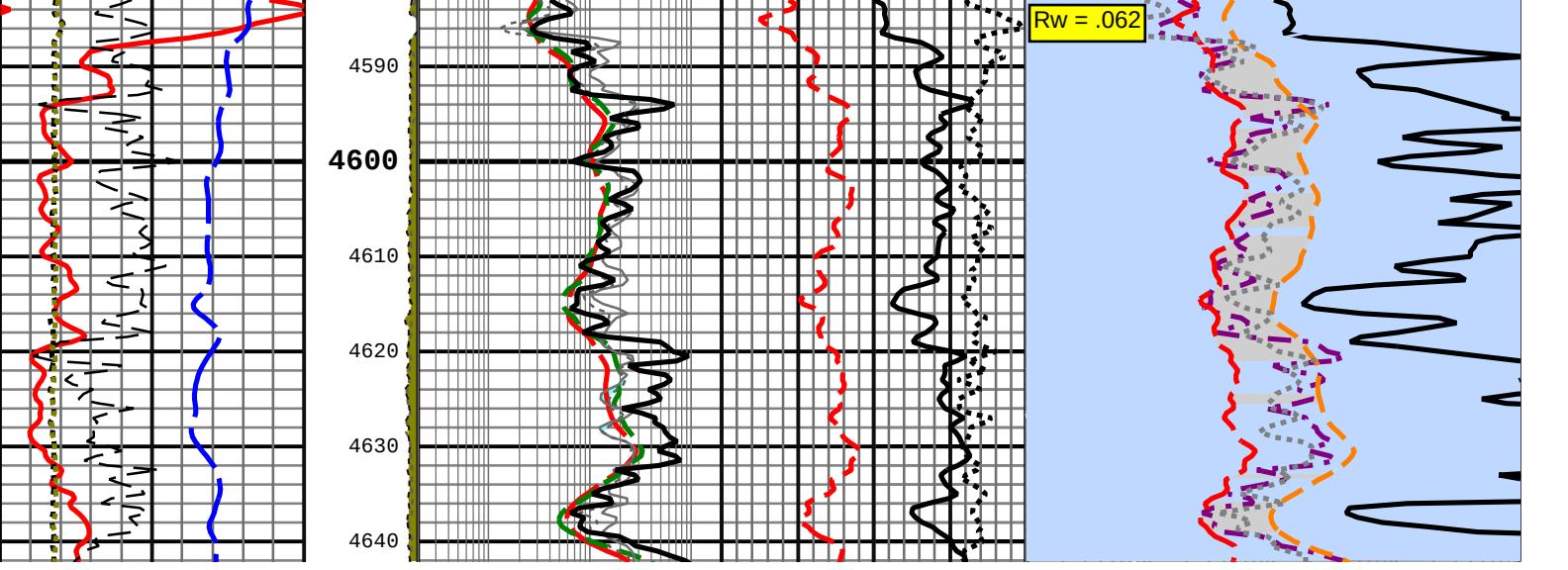
	(RHOC)	
-0.31	G/CC	0.19
	(DPOR)	
30	PU	-10
	(CNPOR)	
30	PU	-10
	Apparent Gas / Quartz	

Residual
Residual
Moveable
Water
Neutron Density Window

(DCAL) 5 IN 8

(MELCAL 5 IN 8

4000 4010 4020 4030 4040 **4050** 4060 4070 4080 4090 **4100** 4110 4120 4130 4140 **4150** 4160 4170 4180 4190 **4200** 4210 4220 4230 4240 **4250** 4260 4270 4280 4290 **4300** 4310 4320 4330 4340 **4350** 4360 4370 4380 4390 **4400** 4410 4420 4430 4440 **4450** 4460 4470 4480 4490 **4500** 4510 4520 4530 4540 **4550** 4560 4570 4580


4590
4600
4610
4620
4630
4640
Rw = .062

Format: Blank 3Track Vertical Scale: 5" per 100 Ft Creation Date: Sun, May 04, 2014, 07:17:52 PM

(GR)		
0	API	150
(VSH)		
0	V/V	1
(SP)		
-100	MV	100
(CALI)		
6	IN	16
Clay-Shale		
Mudcake		

(BVWs)		
0	V/V	0.4
(BVWsgxo)		
0	V/V	0.4
(PX)		
0	V/V	0.4
Apparent gas/Quartz		
Water		
Hydrocarbon		

(Sxo)		
1	V/V	0
(Sws)		
1	V/V	0
Moveable		
Residual		

(Khb)		
0.1	MD	100

4000
4010
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