LITHO DENSITY NEUTRON LOG

Company	M G Oil Inc.
Well	Lawrence-Dixon Unit #1
Field	N & J
County	Lane
State	Kansas

Company M G Oil Inc.

Well Lawrence-Dixon Unit #1

Field N & J

County Lane State Kansas

Location: API # : 15 101 22660

1526' FNL & 2189' FWL

SEC 15 TWP 16S RGE 28W

Other Services
DIL
ML
BCS

Permanent Datum Ground Level Elevation 2629'
Log Measured From KB 8' AGL
Drilling Measured From KB

Elevation
K.B. 2637'
D.F. 2636'
G.L. 2629'

Date	11/5/21		
Run Number	One		
Depth Driller	4530'		
Depth Logger	4529		
Bottom Logged Interval	4507'		
Top Log Interval	3400'		
Casing Driller	8 5/8" @ 263'		
Casing Logger	263'		
Bit Size	7 7/8"		
Type Fluid in Hole	Chemical	Chlorides 3200 ppm	
Density / Viscosity	9.4/63		
pH / Fluid Loss	10.5/8.0		
Source of Sample	Pit		
Rm @ Meas. Temp	1.6@70degf		
Rmf @ Meas. Temp	1.3@70degf		
Rmc @ Meas. Temp	2.0@70degf		
Source of Rmf / Rmc	Calculated		
Rm @ BHT	0.95@116degf		
Time Circulation Stopped	7:30 a.m.		
Time Logger on Bottom	11:00 a.m.		
Maximum Recorded Temperature	116degf		
Equipment Number	T605		
Location	Hays, KS		
Recorded By	C.Patterson		
Witnessed By	Mr. Chad Counts		

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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

Shields,KS East Side North on Laredo Rd. 3 mi. to 280th,
East on 280th 1.8 mi. to Newton Rd, South to East into Location

LAT/LONG
38.6655221,-100.4056943

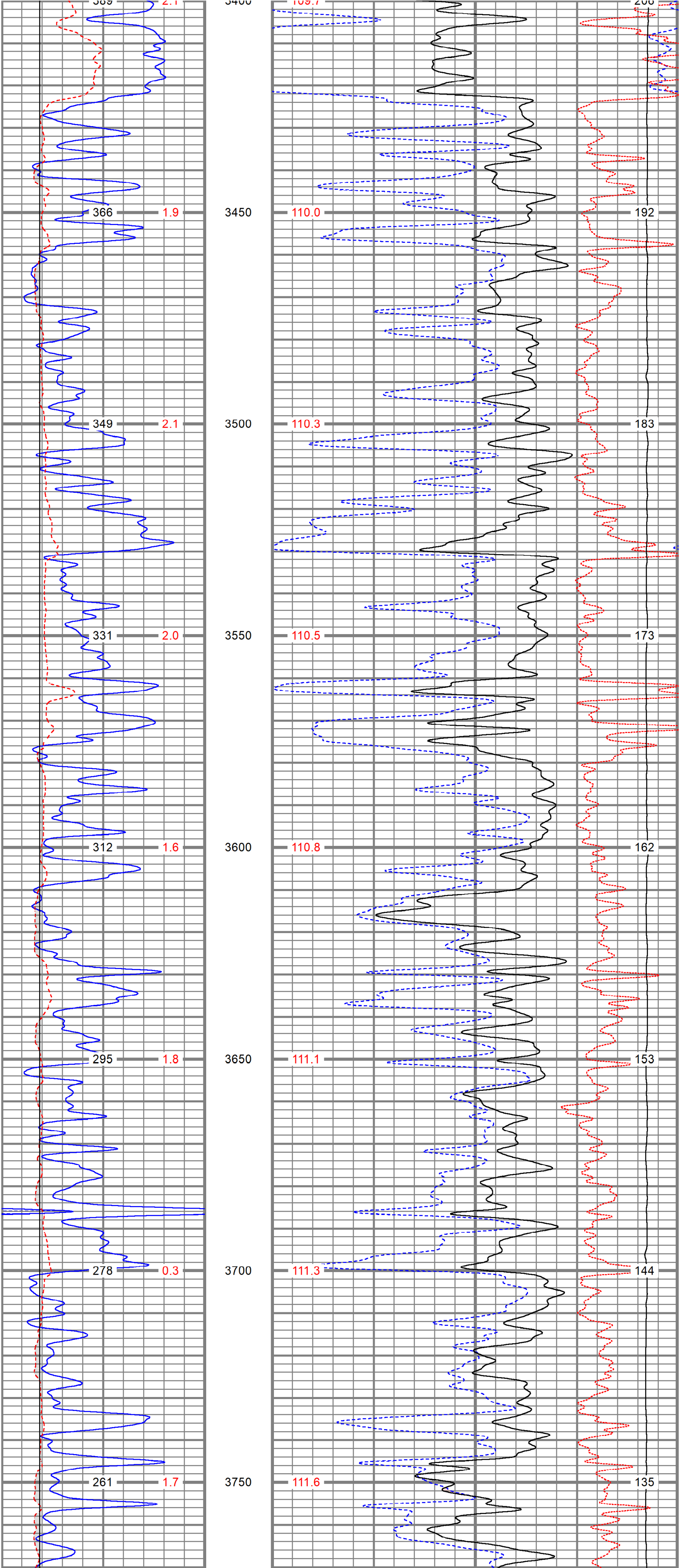
Thanks for using Gemini Wireline LLC
785-625-1182

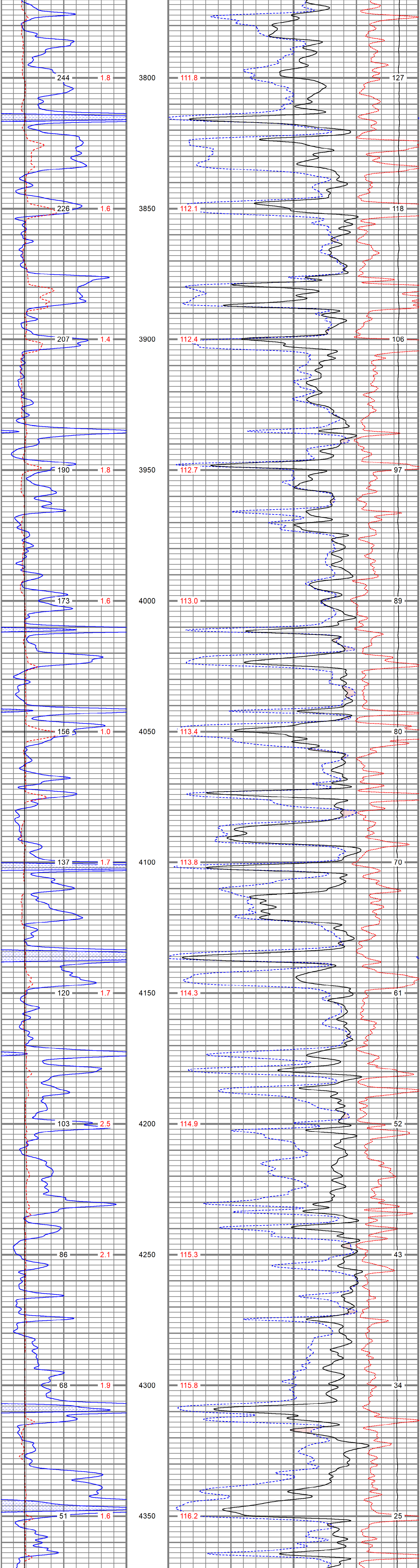
MAIN PASS

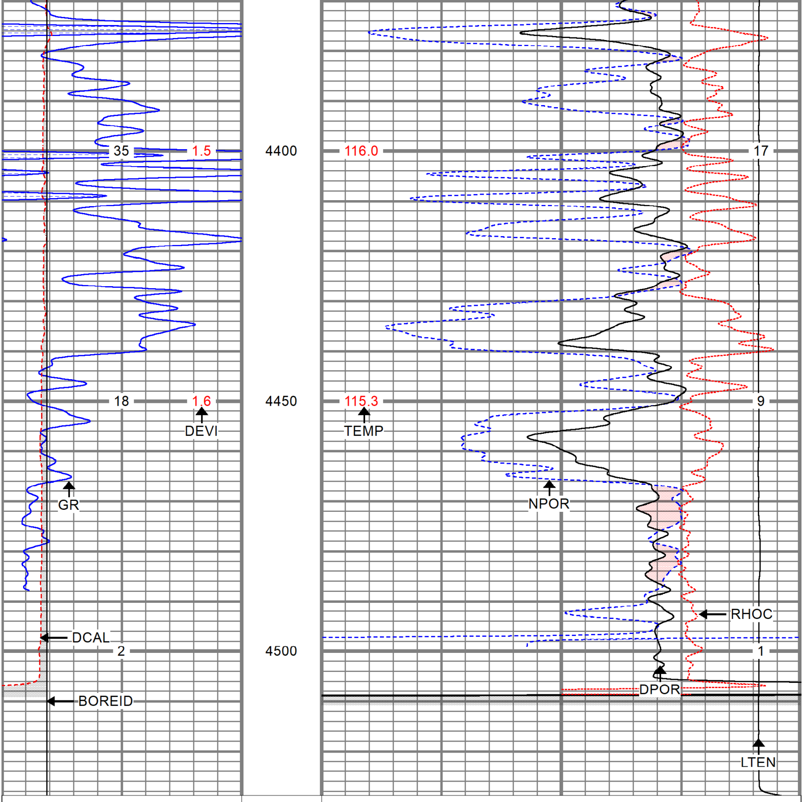
Database File	mgolawrence-dixonunit#1oh.db
Dataset Pathname	pass5
Presentation Format	digital_kcdnl
Dataset Creation	Fri Nov 05 11:23:49 2021
Charted by	Depth in Feet scaled 1:240

0 GR (GAPI) 150
6 DCAL (in) 16
6 BOREID (in) 16
TBHV (ft3) DEVI (deg)

30 NPOR (pu) -10
30 DPOR (pu) -10
70 DPOR (pu) 30
TEMP (degF)
-0.25 RHOC (g/cc) 0.25
8000 LTEN (lb) 0
ABHV (ft3)







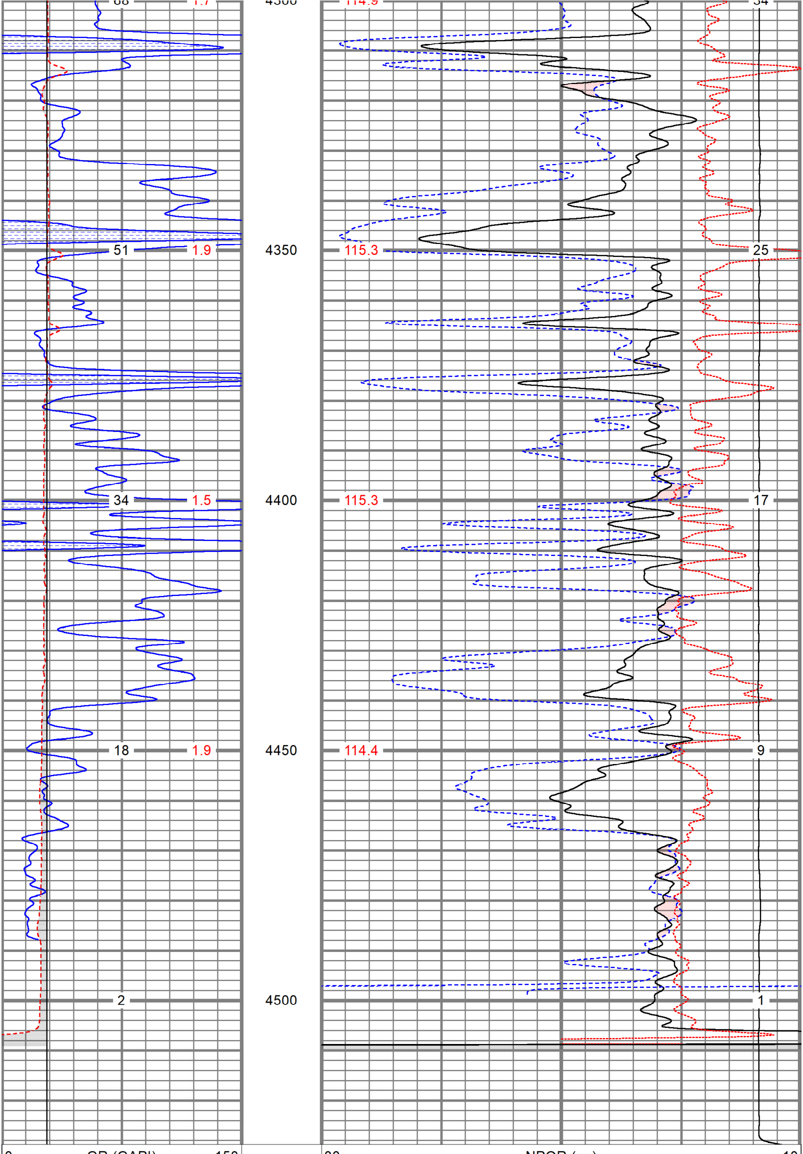
0	GR (GAPI)	150	30		NPOR (pu)	-10
6	DCAL (in)	16	30		DPOR (pu)	-10
6	BOREID (in)	16	70		DPOR (pu)	30
	TBHV (ft3)	DEVI (deg)	TEMP (degF)	-0.25	RHOC (g/cc)	0.25
				8000	LTEN (lb)	0
					ABHV (ft3)	

GEMINI WIRELINE

REPEAT SECTION

Database File	mgolawrence-dixonunit#1oh.db
Dataset Pathname	pass4
Presentation Format	digital_kcdnl
Dataset Creation	Fri Nov 05 11:04:33 2021
Charted by	Depth in Feet scaled 1:240

0	GR (GAPI)	150	30		NPOR (pu)	-10
6	DCAL (in)	16	30		DPOR (pu)	-10
6	BOREID (in)	16	70		DPOR (pu)	30
	TBHV (ft3)	DEVI (deg)	TEMP (degF)	-0.25	RHOC (g/cc)	0.25
				8000	LTEN (lb)	0
					ABHV (ft3)	



0	GR (GAPI)	150	30		NPOR (pu)	-10
6	DCAL (in)	16	30		DPOR (pu)	-10
6	BOREID (in)	16	70		DPOR (pu)	30
	TBHV (ft3)	DEVI (deg)	TEMP (degF)	-0.25	RHOC (g/cc)	0.25
				8000	LTEN (lb)	0
					ABHV (ft3)	

Calibration Report

Database File	mgolawrence-dixonunit#1oh.db
Dataset Pathname	pass5
Dataset Creation	Fri Nov 05 11:23:49 2021

Dual Induction Calibration Report

Serial-Model:	1842-ADM
Surface Cal Performed:	Mon Sep 20 22:00:42 2021
Downhole Cal Performed:	Mon Sep 20 22:00:24 2021
After Survey Verification Performed:	Mon Sep 20 22:05:52 2021

Surface Calibration

	Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.018	0.672	V	0.000	350.000	mmho/m	535.475	-9.896
Medium	0.003	0.769	V	0.000	400.000	mmho/m	522.607	-1.745
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.018	0.672	V	0.000	350.000	mmho/m	535.240	-9.549
Medium	0.003	0.768	V	0.000	550.000	mmho/m	718.637	-2.088

Downhole Calibration

	Readings			References			Results	
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	-0.219	349.905	mmho/m	-0.343	349.810	mmho/m	1.000	-3.124
Medium	-0.118	399.722	mmho/m	-0.226	399.745	mmho/m	1.000	-3.108
Shallow	2.536	0.025	V	500.000	2.000	Ohm-m	180.330	-1.504

After Survey Verification

	Readings			Targets			Results	
Internal:	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	-0.219	349.905	mmho/m	1.000	-3.124
Medium	0.000	0.000	mmho/m	-0.118	399.722	mmho/m	1.000	-3.108
Shallow	0.000	0.000	Ohm-m	500.000	2.000	Ohm-m	1.000	0.000

Neutron Calibration Report

Serial Number:	AD5139	
Tool Model:	ADMY5139	
Performed:	(Not Performed)	
Calibrator Value:	1	NAPI
Calibrator Reading:	1	cps
Sensitivity:	1	NAPI/cps

Temperature Calibration Report

Serial Number:	WithMC			
Tool Model:	WMC			
Performed:	Fri Apr 19 12:15:04 2019			
	Reference		Reading	
Low Reference:	0.00	degF	0.00	degF
High Reference:	1.00	degF	1.00	degF
Gain:	1.00			
Offset:	0.00			
Delta Spacing	1			

Inclinometer Calibration Report

Performed: Wed May 5 19:20:48 2021

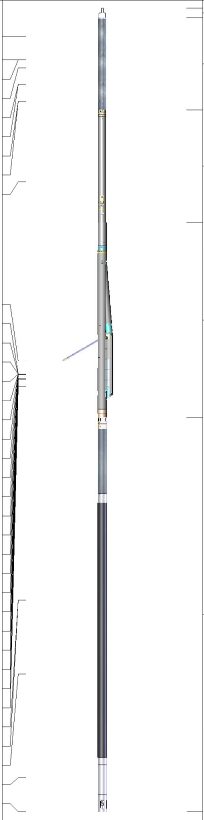
	Low Read.	High Read.	Low Ref.	High Ref.	
X Accelerometer	205.00	1843.00	-1.00	1.00	gee
Y Accelerometer	205.00	1843.00	-1.00	1.00	gee
Z Accelerometer					gee

Gamma Ray Calibration Report

Serial Number:	WithMC	
Tool Model:	WMC	
Performed:	Wed May 5 19:21:08 2021	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.0000	GAPI/cps

Sensor	Offset (ft)
GR	38.77
ACCY	37.60
ACCX	37.60
SSTAT	37.19
PSTAT	36.35
ASTAT	36.35
GRD	35.52
TEMP	35.52
NEU	31.49
LStat	22.54
LS8	21.88
LS7	21.88
LS6	21.88
LS5	21.88
LS4	21.88
LS3	21.88
LS2	21.88
LS1	21.88
LSV	21.88
LSD	21.86
SSV	21.67
SS8	21.67
SS7	21.67
SS6	21.67
SS5	21.67
SS4	21.67
SS3	21.67
SS2	21.67
SS1	21.67
DCAL	21.61
SSD	21.27
SP	10.60
CILD	10.60
CILM	6.89
RLL3	1.70
TR_Mon	0.00

Schematic



Description	Length (ft)	O.D. (in)	Weight (lb)
CHD-STD	0.50	1.69	1.00
ADT-WMC (WithMC) Admyr Telemetry With Mudcell	4.58	3.50	120.00
NEU-ADMY5139 (AD5139) Admyer NEU DIGITAL	5.65	3.50	50.00
ADT1LITH-A (2388LITHO) Admyr Litho Density Tool	9.75	3.50	240.00
DIL-ADM (1842) Dual Induction	19.71	4.00	300.00

Dataset:	mgolawrence-dixonunit#1oh.db: field/well/run1/pass5
Total length:	40.19 ft
Total weight:	711.00 lb
O.D.:	4.00 in