

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1251607
OIL & GAS CONSERVATION DIVISION

Form ACO-1
August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1251607

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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DRILL STEM TEST REPORT

Prepared For: **Slawson Exploration Co, Inc**

204 N Robinson Ave.Ste.2300
Oklahoma City, OK 73102

ATTN: Pat Deenihan

Dumler #1

25-10s-34w Thomas,KS

Start Date: 2015.04.13 @ 17:53:00

End Date: 2015.04.13 @ 23:28:30

Job Ticket #: 57405 DST #: 1

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.04.16 @ 13:33:05



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Slawson Exploration Co, Inc
 204 N Robinson Ave. Ste. 2300
 Oklahoma City, OK 73102
 ATTN: Pat Deenihan

25-10s-34w Thomas, KS

Dumler #1

Job Ticket: 57405 **DST#: 1**
 Test Start: 2015.04.13 @ 17:53:00

GENERAL INFORMATION:

Formation: **Myric Station**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 20:09:15 Tester: Bradley Walter
 Time Test Ended: 23:28:30 Unit No: 69
 Interval: **4520.00 ft (KB) To 4550.00 ft (KB) (TVD)** Reference Elevations: 3164.00 ft (KB)
 Total Depth: 4550.00 ft (KB) (TVD) 3159.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

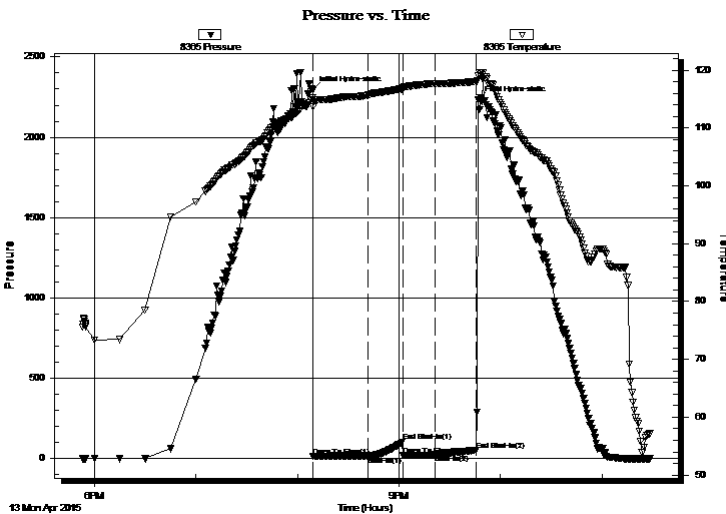
Serial #: 8365

Inside

Press@RunDepth: 23.09 psig @ 4521.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.04.13 End Date: 2015.04.13 Last Calib.: 2015.04.13
 Start Time: 17:53:05 End Time: 23:28:29 Time On Btm: 2015.04.13 @ 20:09:00
 Time Off Btm: 2015.04.13 @ 21:46:45

TEST COMMENT: IF: Surface blow, died @ 25 min.
 IS: No return.
 FF: No blow.
 FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2293.70	115.22	Initial Hydro-static
1	11.99	113.69	Open To Flow (1)
33	16.37	115.71	Shut-In(1)
53	103.87	116.72	End Shut-In(1)
54	18.19	116.72	Open To Flow (2)
73	23.09	117.62	Shut-In(2)
97	52.03	118.02	End Shut-In(2)
98	2230.93	118.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	mud 100m (oil spots)	0.07

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



DRILL STEM TEST REPORT

Slawson Exploration Co, Inc
 204 N Robinson Ave.Ste.2300
 Oklahoma City, OK 73102
 ATTN: Pat Deenihan

25-10s-34w Thomas,KS
Dumler #1
 Job Ticket: 57405 **DST#: 1**
 Test Start: 2015.04.13 @ 17:53:00

GENERAL INFORMATION:

Formation: **Myric Station**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:09:15

Time Test Ended: 23:28:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Bradley Walter

Unit No: 69

Interval: **4520.00 ft (KB) To 4550.00 ft (KB) (TVD)**

Reference Elevations: 3164.00 ft (KB)

Total Depth: 4550.00 ft (KB) (TVD)

3159.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8522 Outside

Press@RunDepth: psig @ 4521.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.04.13 End Date: 2015.04.13

Last Calib.: 2015.04.13

Start Time: 17:53:05 End Time: 23:28:29

Time On Btm:

Time Off Btm:

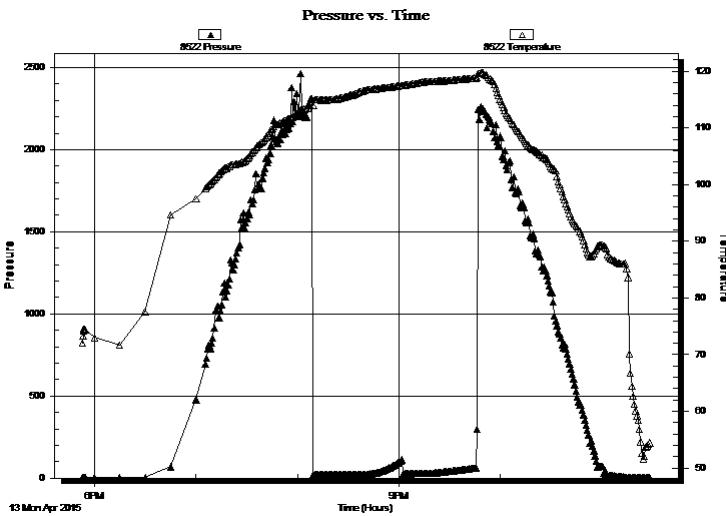
TEST COMMENT: IF: Surface blow , died @ 25 min.

IS: No return.

FF: No blow .

FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
15.00	mud 100m (oil spots)	0.07

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Slaw son Exploration Co, Inc

25-10s-34w Thomas,KS

204 N Robinson Ave.Ste.2300
Oklahoma City, OK 73102

Dumler #1

Job Ticket: 57405

DST#: 1

ATTN: Pat Deenihan

Test Start: 2015.04.13 @ 17:53:00

Tool Information

Drill Pipe:	Length: 4386.00 ft	Diameter: 3.80 inches	Volume: 61.52 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 119.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	85000.00 lb
			<u>Total Volume: 62.11 bbl</u>	Tool Chased	3.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial	74000.00 lb
Depth to Top Packer:	4520.00 ft			Final	74000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	30.00 ft				
Tool Length:	50.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4501.00	
Shut In Tool	5.00			4506.00	
Hydraulic tool	5.00			4511.00	
Packer	5.00			4516.00	20.00 Bottom Of Top Packer
Packer	4.00			4520.00	
Stubb	1.00			4521.00	
Recorder	0.00	8365	Inside	4521.00	
Recorder	0.00	8522	Outside	4521.00	
Perforations	26.00			4547.00	
Bullnose	3.00			4550.00	30.00 Bottom Packers & Anchor
Total Tool Length:	50.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Slaw son Exploration Co, Inc

25-10s-34w Thomas,KS

204 N Robinson Ave.Ste.2300
Oklahoma City, OK 73102

Dumler #1

Job Ticket: 57405

DST#: 1

ATTN: Pat Deenihan

Test Start: 2015.04.13 @ 17:53:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	mud 100m (oil spots)	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

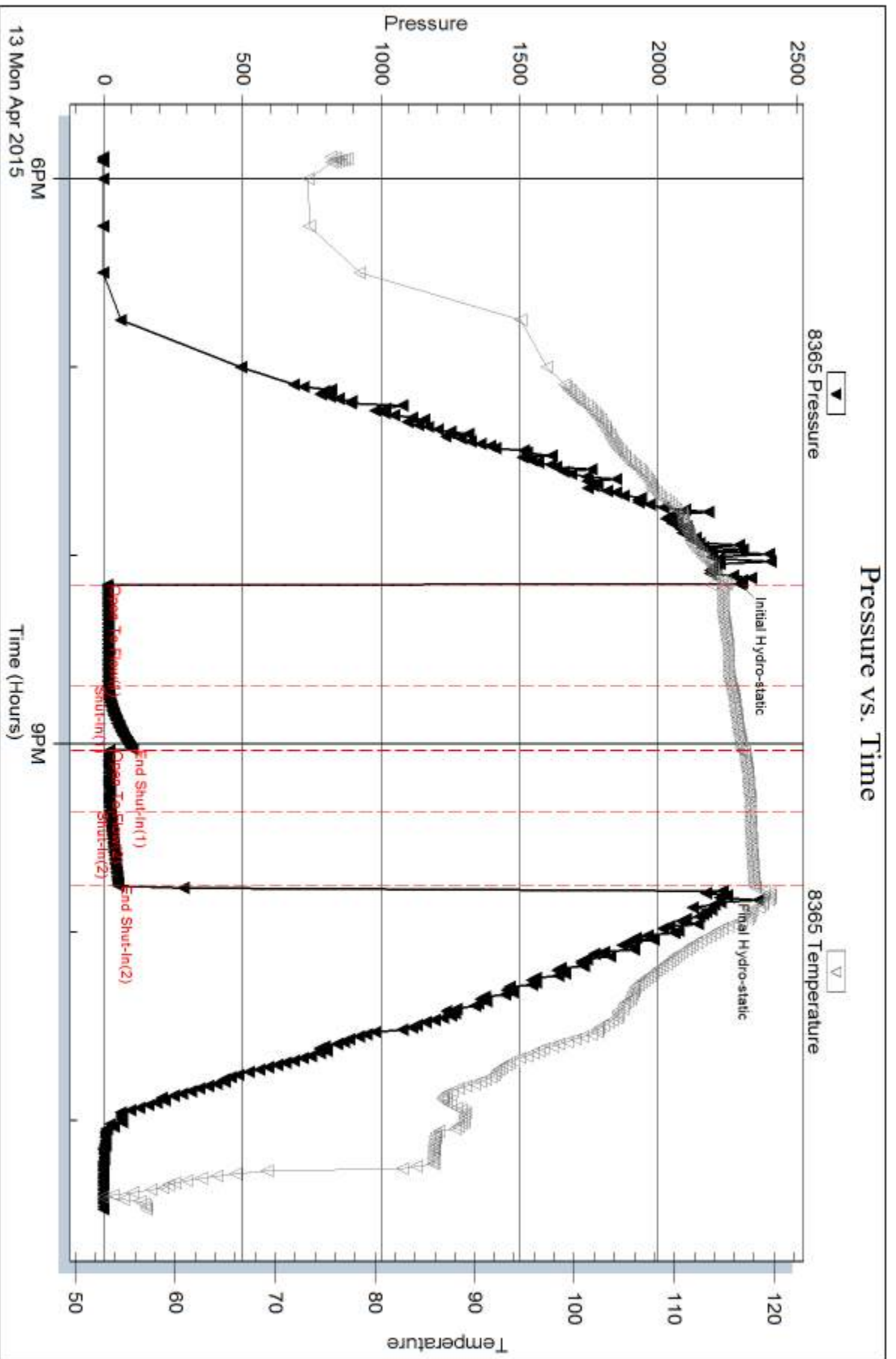
Serial #: 8365

Inside

Saw son Exploration Co. Inc

Durter #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 57405

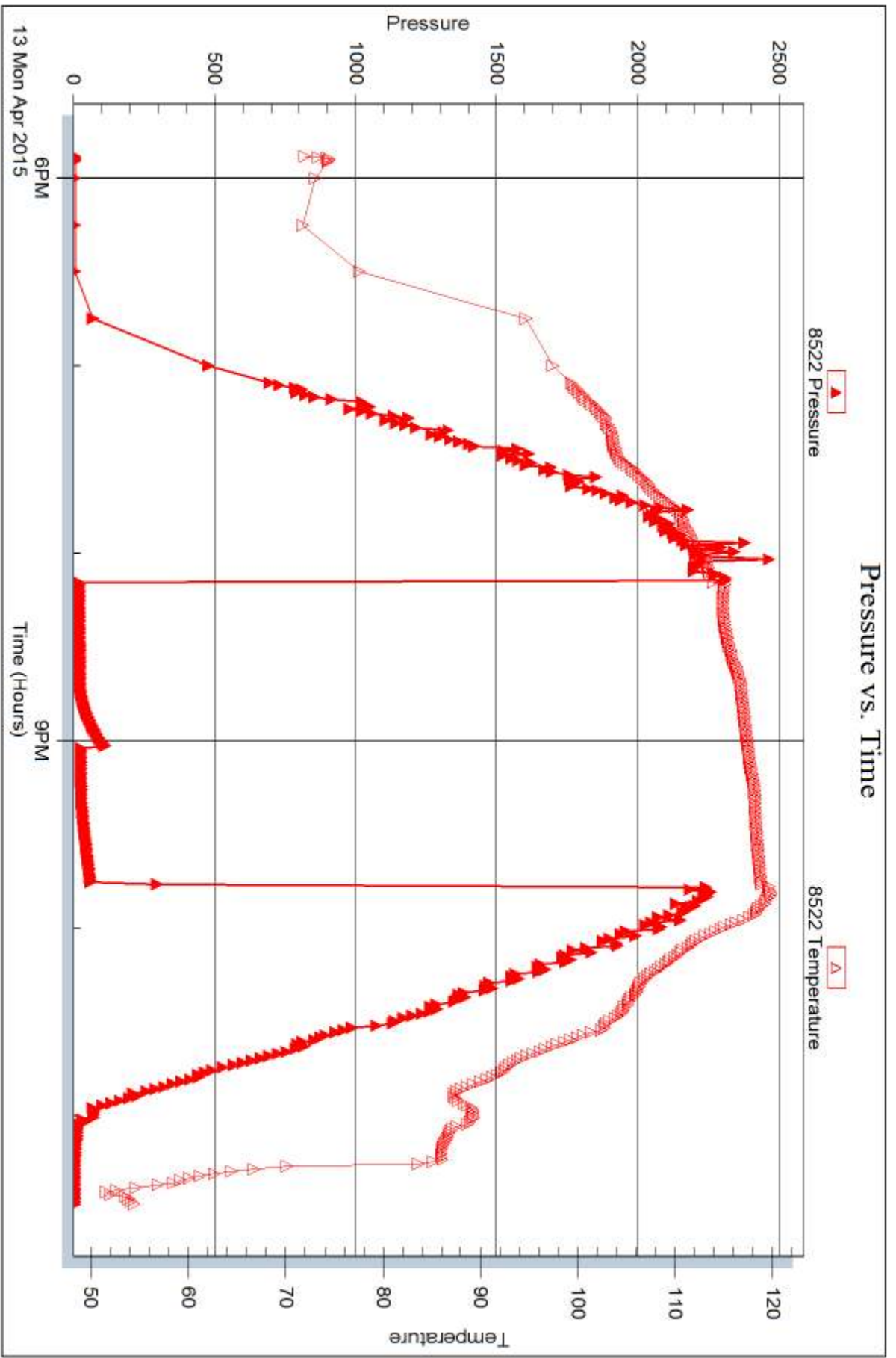
Printed: 2015.04.16 @ 13:33:07

Serial #: 8522

Outside Saw son Exploration Co, Inc

Dunter #1

DST Test Number: 1



13 Mon Apr 2015

Time (Hours)

Trilobite Testing, Inc

Ref. No: 57405

Printed: 2015.04.16 @ 13:33:07



DRILL STEM TEST REPORT

Prepared For: **Slawson Exploration Co, Inc**

204 N Robinson Ave.Ste.2300
Oklahoma City, OK 73102

ATTN: Pat Deenihan

Dumler #1

25-10s-34w Thomas,KS

Start Date: 2015.04.14 @ 14:07:00

End Date: 2015.04.14 @ 22:22:00

Job Ticket #: 57406 DST #: 2

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.04.16 @ 13:31:27



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Slawson Exploration Co, Inc
204 N Robinson Ave. Ste. 2300
Oklahoma City, OK 73102
ATTN: Pat Deenihan

25-10s-34w Thomas,KS

Dumler #1

Job Ticket: 57406

DST#: 2

Test Start: 2015.04.14 @ 14:07:00

GENERAL INFORMATION:

Formation: **Johnson**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 16:22:00
Time Test Ended: 22:22:00
Interval: **4607.00 ft (KB) To 4670.00 ft (KB) (TVD)**
Total Depth: 4670.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Bradley Walter
Unit No: 69
Reference Elevations: 3164.00 ft (KB)
3159.00 ft (CF)
KB to GR/CF: 5.00 ft

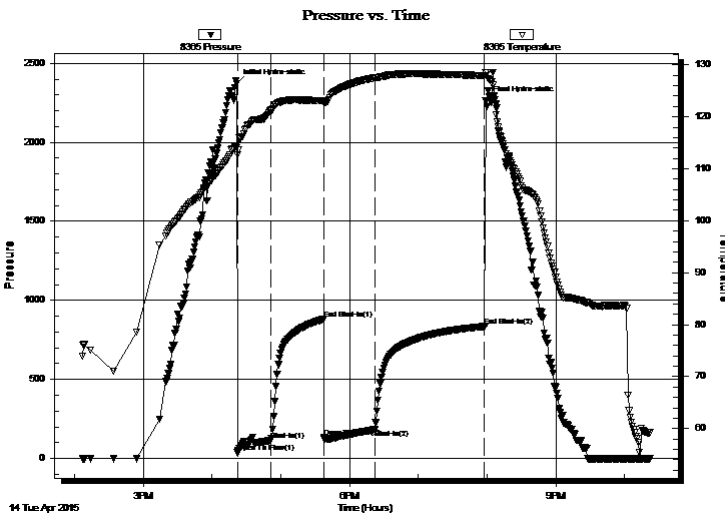
Serial #: 8365

Inside

Press@RunDepth: 181.84 psig @ 4608.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2015.04.14 End Date: 2015.04.14 Last Calib.: 2015.04.14
Start Time: 14:07:05 End Time: 22:21:59 Time On Btm: 2015.04.14 @ 16:21:30
Time Off Btm: 2015.04.14 @ 19:58:45

TEST COMMENT: IF: BOB @ 10 min.
IS: 1" return.
FF: BOB @ 8 min.
FS: 8" return, receded to 4".

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2371.39	114.08	Initial Hydro-static
1	35.16	112.70	Open To Flow (1)
30	112.69	121.16	Shut-In(1)
76	880.87	123.06	End Shut-In(1)
76	134.96	122.72	Open To Flow (2)
121	181.84	127.49	Shut-In(2)
216	834.82	127.91	End Shut-In(2)
218	2262.60	128.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
190.00	gmco 35g 30m 35o	1.58
125.00	gmco 40g 10m 50o	1.75
140.00	gsmco 35g 5m 60o	1.96
0.00	1255' GIP	0.00

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



DRILL STEM TEST REPORT

Slaw son Exploration Co, Inc
 204 N Robinson Ave. Ste. 2300
 Oklahoma City, OK 73102
 ATTN: Pat Deenihan

25-10s-34w Thomas, KS

Dumler #1

Job Ticket: 57406 **DST#: 2**
 Test Start: 2015.04.14 @ 14:07:00

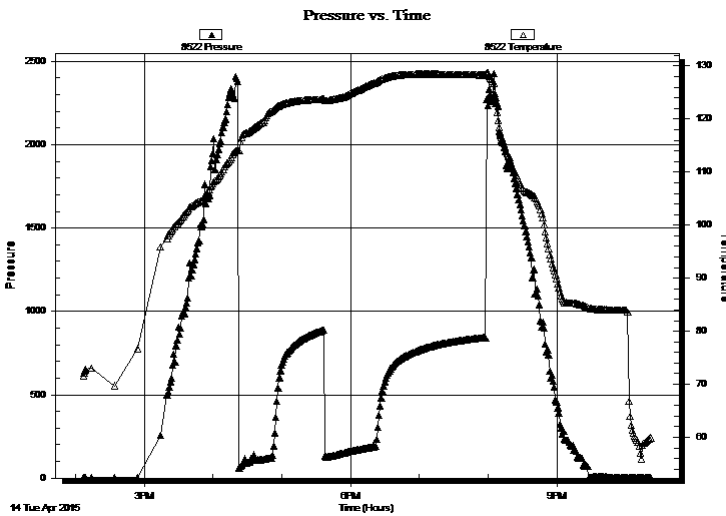
GENERAL INFORMATION:

Formation: **Johnson**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 16:22:00
 Time Test Ended: 22:22:00
 Interval: **4607.00 ft (KB) To 4670.00 ft (KB) (TVD)**
 Total Depth: 4670.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Bradley Walter
 Unit No: 69
 Reference Elevations: 3164.00 ft (KB)
 3159.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8522 Outside

Press@RunDepth: psig @ 4608.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.04.14 End Date: 2015.04.14 Last Calib.: 2015.04.14
 Start Time: 14:07:05 End Time: 22:21:59 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: BOB @ 10 min.
 IS: 1" return.
 FF: BOB @ 8 min.
 FS: 8" return, receded to 4".



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
190.00	gmco 35g 30m 35o	1.58
125.00	gmco 40g 10m 50o	1.75
140.00	gsmco 35g 5m 60o	1.96
0.00	1255' GIP	0.00

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Slaw son Exploration Co, Inc

25-10s-34w Thomas,KS

204 N Robinson Ave.Ste.2300
Oklahoma City, OK 73102

Dumler #1

Job Ticket: 57406

DST#: 2

ATTN: Pat Deenihan

Test Start: 2015.04.14 @ 14:07:00

Tool Information

Drill Pipe:	Length: 4480.00 ft	Diameter: 3.80 inches	Volume: 62.84 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 119.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	90000.00 lb
			<u>Total Volume: 63.43 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial	73000.00 lb
Depth to Top Packer:	4607.00 ft			Final	75000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	63.00 ft				
Tool Length:	83.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4588.00	
Shut In Tool	5.00			4593.00	
Hydraulic tool	5.00			4598.00	
Packer	5.00			4603.00	20.00 Bottom Of Top Packer
Packer	4.00			4607.00	
Stubb	1.00			4608.00	
Recorder	0.00	8365	Inside	4608.00	
Recorder	0.00	8522	Outside	4608.00	
Perforations	26.00			4634.00	
Change Over Sub	1.00			4635.00	
Drill Pipe	31.00			4666.00	
Change Over Sub	1.00			4667.00	
Bullnose	3.00			4670.00	63.00 Bottom Packers & Anchor

Total Tool Length: 83.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Slaw son Exploration Co, Inc

25-10s-34w Thomas,KS

204 N Robinson Ave.Ste.2300
Oklahoma City, OK 73102

Dumler #1

Job Ticket: 57406

DST#: 2

ATTN: Pat Deenihan

Test Start: 2015.04.14 @ 14:07:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

23 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
190.00	gmco 35g 30m 35o	1.581
125.00	gmco 40g 10m 50o	1.753
140.00	gsmco 35g 5m 60o	1.964
0.00	1255' GIP	0.000

Total Length: 455.00 ft

Total Volume: 5.298 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

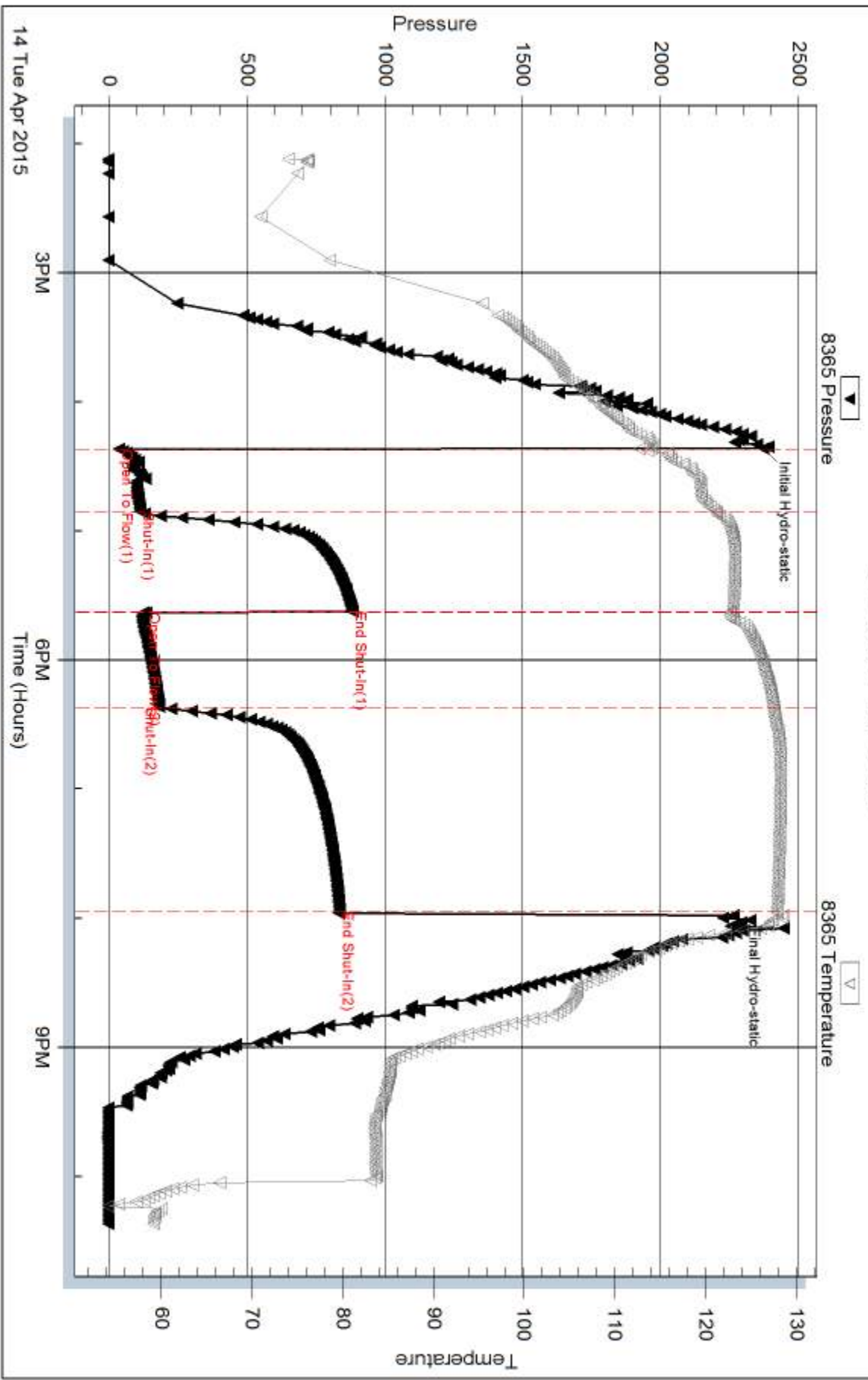
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

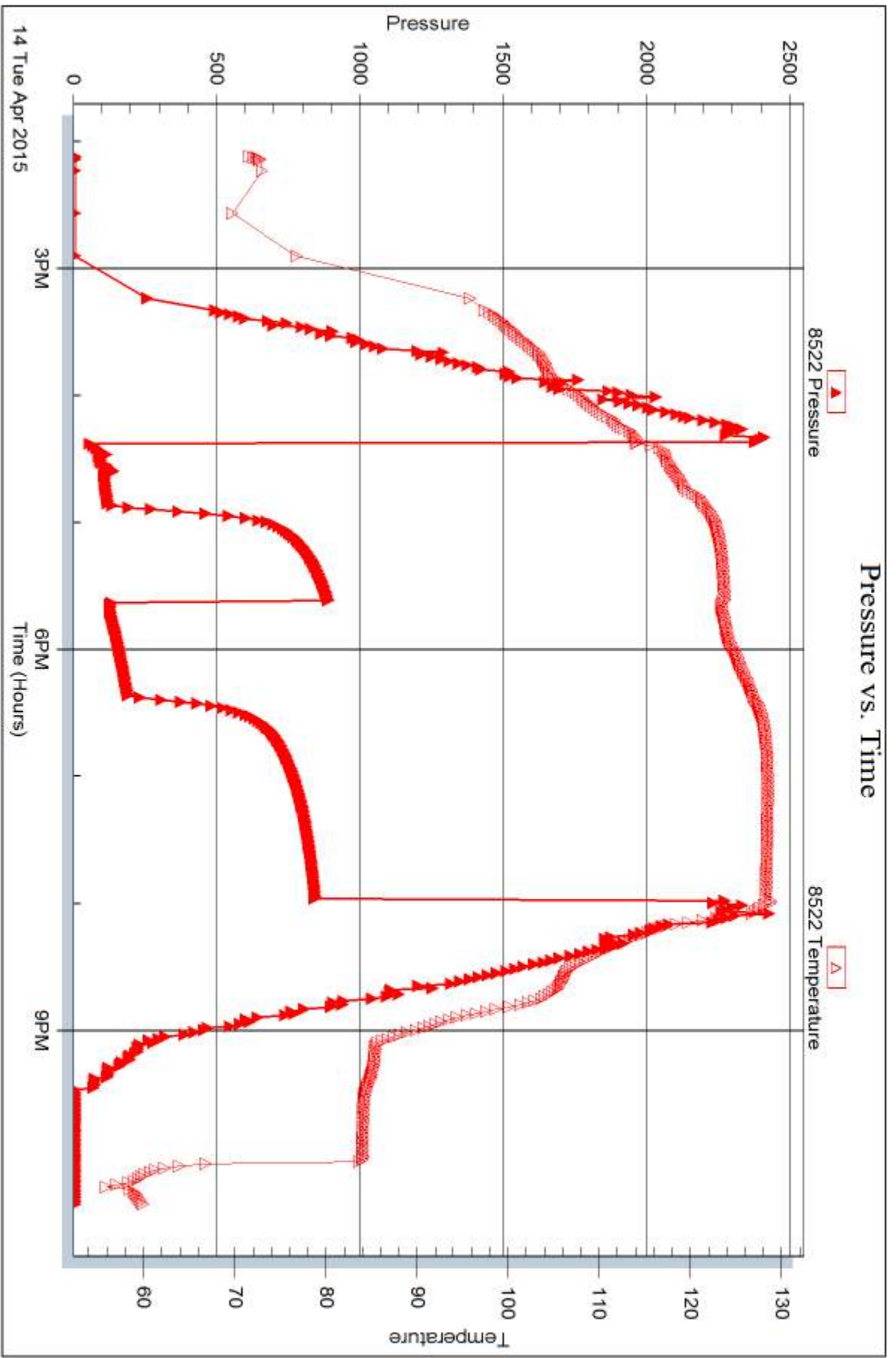


Serial #: 8522

Outside Saw son Exploration Co, Inc

Durter #1

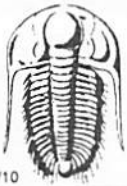
DST Test Number: 2



Triobite Testing, Inc

Ref. No: 57406

Printed: 2015.04.16 @ 13:31:29



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 57405

Well Name & No. Dumler 1-25 Test No. 1 Date 4/13/15
 Company Stawson Exploration Co, Inc Elevation 3164 KB 3159 GL
 Address 204 Robinson Ave Ste 2500 Oklahoma City, OK 73102
 Co. Rep / Geo. Pat Deenihan Rig WW 8
 Location: Sec. 25 Twp. 10s Rge. 34w Co. Thomas State KS

Interval Tested 4520 4550 Zone Tested Metric Station
 Anchor Length 30 Drill Pipe Run 43 96 Mud Wt. 9.3
 Top Packer Depth 4515 Drill Collars Run 119 Vis 30
 Bottom Packer Depth 4520 Wt. Pipe Run 0 WL 8.0
 Total Depth 4550 Chlorides 7,000 ppm System LCM 1#
 Blow Description IF: Surface blow, died @ 25 min.
ISI: No return.
FF: No blow
FSI: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>mud</u>			<u>100</u>	
	<u>(OIL SPOTS)</u>				

Rec Total 15 BHT 118 Gravity — API RW — @ —° F Chlorides — ppm

(A) Initial Hydrostatic <u>2294</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>1700</u>
(B) First Initial Flow <u>12</u>	<input type="checkbox"/> Jars	T-Started <u>1753</u>
(C) First Final Flow <u>16</u>	<input type="checkbox"/> Safety Joint	T-Open <u>2010</u>
(D) Initial Shut-In <u>104</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/L</u>	T-Pulled <u>2142</u>
(E) Second Initial Flow <u>18</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>2229</u>
(F) Second Final Flow <u>23</u>	<input checked="" type="checkbox"/> Mileage <u>127RT 127</u>	Comments
(G) Final Shut-In <u>52</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2231</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Packer
Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>20</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Flow <u>20</u>	<input type="checkbox"/> Day Standby	Total <u>1527</u>
Final Shut-In <u>20</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1527</u>	

Approved By _____ Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 57406

Well Name & No. Dumler 1-25 Test No. 2 Date 4/14/15
 Company Slawson Exploration Co, Inc Elevation 3164 KB 3159 GL
 Address 204 Robinson Ave Ste 2300 Oklahoma City OK
 Co. Rep / Geo. Pat Deenihan Rig WW 8
 Location: Sec. 25 Twp. 10s Rge. 34w Co. Thomas State Ks

Interval Tested 4607 - 4670 Zone Tested Jdnson
 Anchor Length 63 Drill Pipe Run 4480 Mud Wt. 9.3
 Top Packer Depth 4602 Drill Collars Run 119 Vis 50
 Bottom Packer Depth 4607 Wt. Pipe Run 8 WL 8.8
 Total Depth 4670 Chlorides 9,000 ppm System LCM 1#

Blow Description IF BOB @ 10 min.
ISI 1" blow back
PF BOB @ 8 min
FBI 8" return. reeled to 4"

Rec	Feet of	%gas	%oil	%water	%mud
<u>140</u>	<u>GSMCO</u>	<u>35</u>	<u>60</u>	<u>5</u>	
<u>125</u>	<u>Gmco</u>	<u>40</u>	<u>50</u>	<u>10</u>	
<u>190</u>	<u>Gmco</u>	<u>35</u>	<u>35</u>	<u>30</u>	
Rec	Feet of <u>1255 GIP</u>	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 455 BHT 128 Gravity 23 API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2371</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>1330</u>
(B) First Initial Flow <u>35</u>	<input type="checkbox"/> Jars	T-Started <u>1407</u>
(C) First Final Flow <u>113</u>	<input type="checkbox"/> Safety Joint	T-Open <u>1622</u>
(D) Initial Shut-In <u>881</u>	<input checked="" type="checkbox"/> Circ Sub <u>11c</u>	T-Pulled <u>1952</u>
(E) Second Initial Flow <u>135</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>2222</u>
(F) Second Final Flow <u>182</u>	<input checked="" type="checkbox"/> Mileage <u>127</u> <u>127</u>	Comments
(G) Final Shut-In <u>835</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2263</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>30</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>90</u>	<input type="checkbox"/> Day Standby	Total <u>1527</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1527</u>	

Approved By _____ Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

ALLIED OIL & GAS SERVICES, LLC 064699

Federal Tax I.D. # 20-8651476

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:

Dakota

DATE <u>4-16-15</u>	SEC. <u>35</u>	TWP. <u>10</u>	RANGE <u>34</u>	CALLED OUT	ON LOCATION <u>9:30 am</u>	JOB START	JOB FINISH
LEASE <u>Dumbler</u>	WELL# <u>1-25</u>	LOCATION <u>monument 2w 4N</u>				COUNTY <u>Thomas</u>	STATE <u>KS</u>
OLD OR NEW (Circle one) <u>NEW</u>		<u>3/4 W sinto</u>					

CONTRACTOR <u>W + W 8'</u>	OWNER <u>same</u>
TYPE OF JOB <u>Production (2 stage)</u>	
HOLE SIZE <u>7 7/8</u>	T.D. <u>4760'</u>
CASING SIZE <u>4 1/2</u>	DEPTH <u>4762'</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL <u>OV</u>	DEPTH <u>2789'</u>
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT <u>32.47</u>
CEMENT LEFT IN CSG. <u>32.47</u>	
PERFS. <u>Bottom</u>	<u>70%</u>
DISPLACEMENT <u>22.99 bbl</u>	<u>483.22</u>

EQUIPMENT

PUMP TRUCK CEMENTER <u>Andrew Forshard</u>
<u>495-281</u> HELPER <u>Paul Beaver</u>
BULK TRUCK
<u>818</u> DRIVER <u>Corry Brown</u>
BULK TRUCK
<u>891</u> DRIVER <u>Brandon Wilkinson</u>

CEMENT	
AMOUNT ORDERED <u>165 sks AR-1085617</u>	
<u>2 stage 5" Gilsomite</u>	
<u>680 sks Lite 14 Flo-seal 12.000 superflask</u>	
COMMON	@
POZMIX	@
GEL	@
CHLORIDE	@
ASC <u>165 sks</u>	@ <u>23.50</u> <u>3877.50</u>
<u>Lite 680 sks</u>	@ <u>19.89</u> <u>13525.20</u>
Gilsomite <u>925*</u>	@ <u>.98</u> <u>808.50</u>
Flo-seal <u>171#</u>	@ <u>2.97</u> <u>507.87</u>
Salt <u>458#</u>	@ <u>.18</u> <u>82.44</u>
WPR-2 <u>120AL</u>	@ <u>41.09</u> <u>493.08</u>
HANDLING <u>981.237.467</u>	@ <u>2.14</u> <u>2100.12</u>
MILEAGE <u>3.25 mile</u>	@ <u>1800.12</u>
<u>654.58</u>	Material
<u>(5592.77/20%)</u>	SERVICE
TOTAL 19,795.89	

REMARKS:

Pump to get hammer flush. 165 sks are wash pump and line clean. Displace plug 1200' LIFT Land plug 1200' held open on tool joint. Plug Rat hole 30 sks mix 680 sks down 4 1/2 casing. Wash pump and line clean. Displace plug 800' LIFT Land plug 1200' tool closed cement did circulate

thank you

CHARGE TO: Stawson
STREET _____
CITY _____ STATE _____ ZIP _____

DEPTH OF JOB <u>4762'</u>	<u>2406.25</u>
PUMP TRUCK CHARGE	<u>326.75</u>
EXTRA FOOTAGE	@
MILEAGE <u>16 miles</u>	@ <u>7.20</u> <u>123.20</u>
MANIFOLD head	@ <u>225.00</u>
Light vehicle	@ <u>70.90</u>
TOTAL 4874.19	

(1574.36/20%)
2764.79

4 1/2 PLUG & FLOAT EQUIPMENT

<u>1 AF4 float shoe</u>	@ <u>475.00</u>
<u>1 Latchdown plug Assy</u>	@ <u>65.00</u>
<u>1 DV tool</u>	@ <u>482.00</u>
<u>2 Baskets</u>	@ <u>315.00</u> <u>630.00</u>
<u>11 Centralizers</u>	@ <u>57.00</u> <u>627.00</u>
TOTAL 2169.00	

(2007.32/20%)

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) <u>1929.96</u>	
TOTAL CHARGES <u>32405.19</u>	<u>36838.79</u>
DISCOUNT <u>9,129.45 (20%)</u>	IF PAID IN 30 DAYS

PRINTED NAME Rodney Gonzalez

SIGNATURE Rodney Gonzalez

23475.73 Net
10,314.86
36523.93

ALLIED OIL & GAS SERVICES, LLC 064697

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:
Oakley

DATE <u>4-8-15</u>	SEC <u>25</u>	TWP <u>10s</u>	RANGE <u>34W</u>	CALLED OUT	ON LOCATION <u>4:00pm</u>	JOB START <u>5:30pm</u>	JOB FINISH <u>6:10pm</u>
LEASE <u>Dumler</u>	WELL# <u>1-25</u>		LOCATION <u>monument 2w 4N</u>	COUNTY <u>THOMAS</u>		STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>			<u>3/4 EV SINTO</u>				

CONTRACTOR <u>W+W 8</u>	OWNER <u>same</u>
TYPE OF JOB <u>Surface</u>	
HOLE SIZE <u>12 1/4</u>	T.D. <u>325'</u>
CASING SIZE <u>8 5/8</u>	DEPTH <u>325'</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <u>15'</u>	
PERFS.	
DISPLACEMENT <u>18,560 BBL</u>	

CEMENT	
AMOUNT ORDERED <u>190.565 com 38cc</u>	
<u>20 bbl</u>	
COMMON <u>190.565</u>	@ <u>12.90</u> <u>3401.20</u>
POZMIX	@
GEL <u>357#</u>	@ <u>.50</u> <u>178.50</u>
CHLORIDE <u>536#</u>	@ <u>1.10</u> <u>589.60</u>
ASC	@

EQUIPMENT		
PUMP TRUCK # <u>422</u>	CEMENTER <u>Andrew Kacalund</u>	
	HELPER <u>Wayne McHughy</u>	
BULK TRUCK # <u>323</u>	DRIVER <u>Darren Racette</u>	
BULK TRUCK #	DRIVER	

Material Total	@	<u>4169.10</u>
<u>(1167.35/280)</u>	@	
	@	
	@	
	@	
	@	
HANDLING <u>265.45 cu ft</u>	@ <u>2.18</u>	<u>578.52</u>
MILEAGE <u>2.25 top/mile 9.48 ton</u>		<u>4171.25</u>

REMARKS:

Cement did circulate

thank you

CHARGE TO: S. Lawson

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB <u>325'</u>	
PUMP TRUCK CHARGE	<u>1512.25</u>
EXTRA FOOTAGE	@
MILEAGE <u>16 miles</u>	@ <u>7.70</u> <u>123.20</u>
MANIFOLD <u>sledge</u>	@
<u>Light vehicle</u>	@ <u>4.40</u> <u>70.40</u>

(814.09/280) TOTAL 2,907.40

PLUG & FLOAT EQUIPMENT

_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____

TOTAL _____

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Sid Deutscher

SIGNATURE [Signature]

SALES TAX (if Any) _____

TOTAL CHARGES 7,076.59

DISCOUNT 1,981.44 (88%) IF PAID IN 30 DAYS

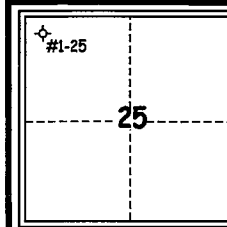
5,095.14 Net.

KITT NOAH

PETROLEUM GEOLOGIST
Kansas License #229



ELEVATION:
KB: 3176
GL: 3165
MEASURED FROM:
KB



#15-193-20,915

GEOLOGIST'S REPORT
DRILLING TIME AND SAMPLE LOG

OPERATOR: Russell Oil, Inc.
LEASE: Dumler WELL NO: #1-25
LOCATION: 330'FN & 330'FW
SEC: 25 TWP: 10S RNG: 34W
COUNTY: Thomas STATE: Kansas

CASING RECORD:
SURFACE: 8 5/8" set at 320' w/225 sx.
PRODUCTION: D&A
DV TOOL: _____

FORMATION	LOG	
	TOP	DATUM
Anhydrite	2668	(+508)
B/Anhydrite	2696	(+480)
Heebner	4056	(-880)
Toronto	4078	(-902)
Lansing	4094	(-918)
Stark	4328	(-1152)
B/KC	4403	(-1227)
Marmaton	4424	(-1248)
Pawnee	4520	(-1344)
Cherokee	4602	(-1426)
Mississippian	4706	(-1530)
RTD	4760	(-1584)
LTD	4762	(-1586)

CONTRACTOR: H2 Drilling Rig #2
COMM: 3-30-2014 COMPL: 4-9-2014
RTD: 4760 LTD: 4762
SAMPLES SAVED FROM: 3800 to TD
DRILLING TIME SAVED FROM: 3800 to TD
SAMPLES EXAMINED FROM: 3800 to TD
GEOLOGICAL SUPERVISION FROM: 3850 to TD
MUD UP: 3487 MUD TYPE: chemical
Mudco - Reid Atkins
DRILL STEM TESTS TAKEN: 3
Trilobite - Bradley Walters

SURVEYS: Pioneer Energy Services
Dual Compensated Porosity
Dual Induction
Microlog

LEGEND

- Anhydrite
- Chert
- Carb Shale
- Shale
- Sandstone
- Dolomite
- Ool Lime
- Limestone

Lost Circulation at
1888' - 150 bbls.

DRILLING TIME IN MINUTES
PER FOOT
Rate of penetration increases

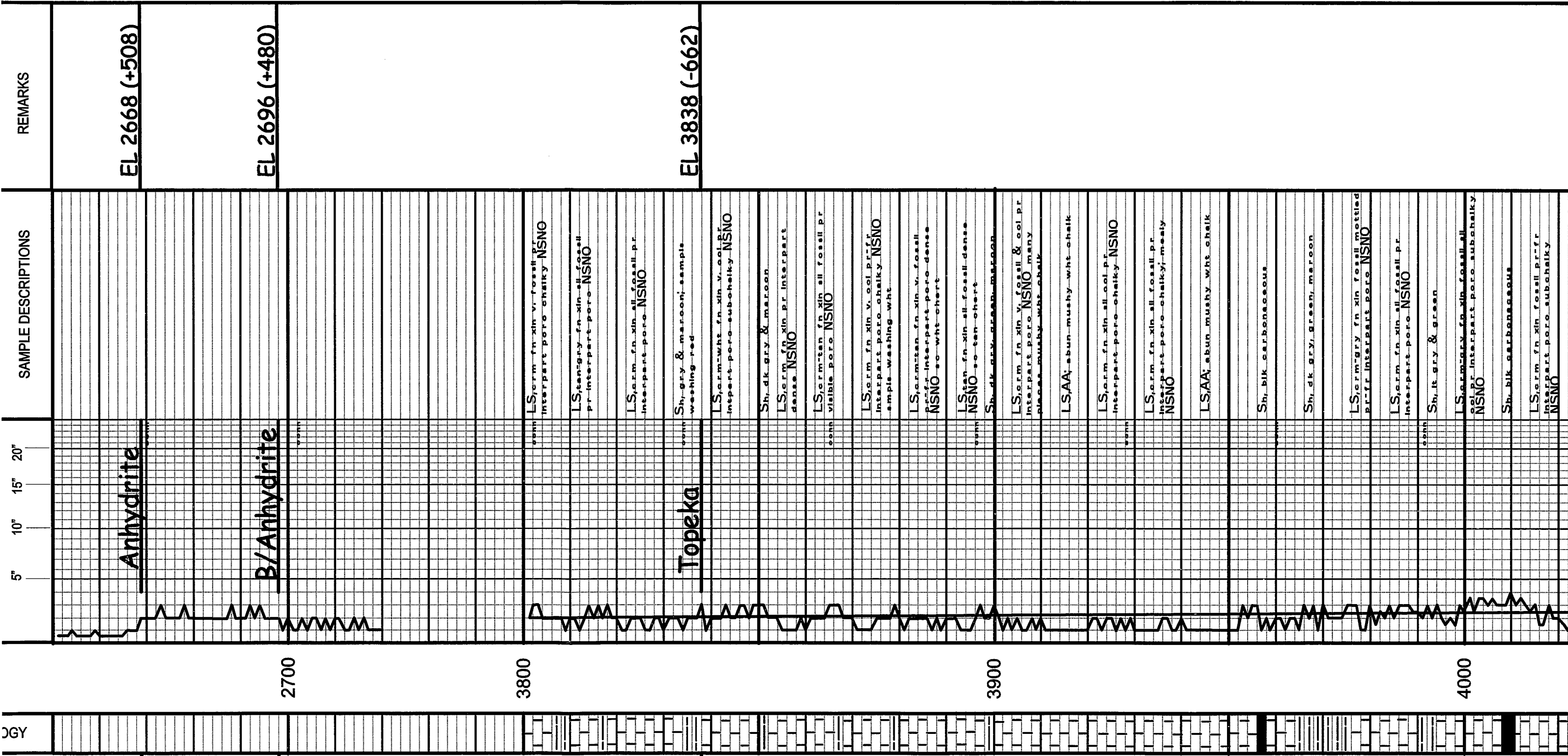
DEPTH

LITHOLOGY

SAMPLE DESCRIPTIONS

REMARKS

5" 10" 15" 20"



REMARKS

EL 2668 (+508)

EL 2696 (+480)

EL 3838 (-662)

SAMPLE DESCRIPTIONS

Anhydrite

B/Anhydrite

Topoka

2700

3800

3900

4000

OGY

LS,erm fn xin v. fossil pr
interpart poro chalky NSNO

LS,ten-gry fn xin all fossil
pr-interpart poro NSNO

LS,erm fn xin all fossil pr
interpart poro NSNO

Sh, gry & maroon; sample
washing red

LS,erm-whit fn xin v. fossil
interpart poro sub-chalky NSNO

Sh, dk gry & maroon

LS,erm fn xin pr interpart
dense NSNO

LS,erm ten fn xin all fossil pr
visible poro NSNO

LS,erm fn xin v. fossil pr
interpart poro chalky NSNO
sample washing wht

LS,erm ten fn xin v. fossil
pr-interpart poro dense
NSNO so wht chert

LS,ten fn xin all fossil-dense
NSNO so ten chert

Sh, dk gry, green, maroon

LS,erm fn xin v. fossil & ool pr
interpart poro NSNO many
places muddy wht chalk

LS,AA abun-mushy wht chalk

LS,erm fn xin all ool pr
interpart poro chalky NSNO

LS,erm fn xin all fossil pr
interpart poro chalky; mealy
NSNO

LS,AA abun-mushy wht chalk

Sh, blk carbonaceous

Sh, dk gry, green, maroon

LS,erm-gry fn xin fossil mottled
pr-fr interpart poro NSNO

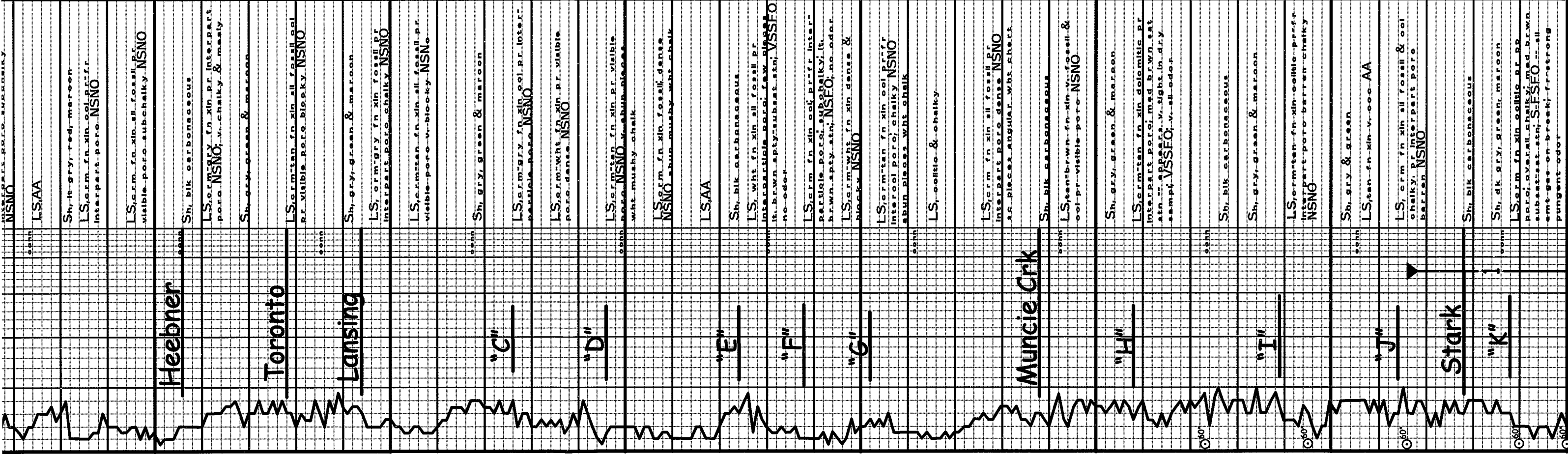
LS,erm fn xin all fossil pr
interpart poro NSNO

Sh, lt gry & green

LS,erm-gry fn xin fossil all
ool pr interpart poro sub-chalky
NSNO

Sh, blk carbonaceous

LS,erm fn xin fossil pr-fr
interpart poro sub-chalky
NSNO



NSNO
LS/AA
Sh, lt-gry, red, maroon
LS, erm. fn. xin ool. pr. fr. Interpart. poro. NSNO
LS, erm. fn. xin sil. fossil. visible poro. subchalky NSNO
Sh, blk. carbonaceous
LS, erm. fn. xin. pr. Interpart. poro. NSNO; v. chalky & mealy
Sh, gr. green & maroon

LS, erm. tan fn. xin sil. fossil. pr. visible poro. blocky NSNO
Sh, gr. green & maroon
LS, erm. tan fn. xin sil. fossil. pr. Interpart. poro. chalky NSNO
LS, erm. tan fn. xin sil. fossil. pr. visible poro. v. blocky NSNO
Sh, gr. green & maroon
LS, erm. tan fn. xin ool. pr. Interpart. poro. NSNO
LS, erm. wht. fn. xin. pr. visible poro. dense NSNO
LS, erm. tan fn. xin. pr. visible poro. NSNO
wht. mushy chalk
LS, erm. fn. xin. fossil. dense NSNO
sh. blk. carbonaceous
LS, wht. fn. xin sil. fossil. pr. Interpart. poro. low. v. SSFO no odor
LS, erm. fn. xin ool. pr. fr. Interpart. poro. subchalky. br. wh. apty. stn. NSFO; no odor
LS, erm. wht. fn. xin dense & blocky NSNO
LS, erm. tan fn. xin ool. pr. fr. Interpart. poro; chalky NSNO
abun. pieces wht. chalk
LS, oolitic & chalky
LS, erm. fn. xin sil. fossil. pr. Interpart. poro. dense NSNO
ss. pieces angular wht. chert
Sh, blk. carbonaceous
LS, ten. br. wh. fn. xin. v. fossil. & ool. pr. visible poro. NSNO
Sh, gr. green & maroon
LS, erm. tan fn. xin dolomit. pr. Interpart. poro. med. br. wh. stn. appears v. tight in dry sample. VSSEO; v. sh. odor
Sh, blk. carbonaceous
Sh, gr. green & maroon
LS, erm. tan fn. xin oolitic. pr. fr. Interpart. poro. barren chalky NSNO
Sh, gr. & green
LS, ten. fn. xin. v. ool. AA
LS, erm. fn. xin sil. fossil. & ool. chalky. pr. Interpart. poro. barren NSNO
Sh, blk. carbonaceous
Sh, dk. gr. green, maroon
LS, erm. fn. xin oolitic. pr. pr. sub. ex. all chalky. med. br. wh. sub. stn. VSSEO -- all emt. gas on break; fr. strong pungent odor

EL 4056 (-880)

EL 4078 (-902)

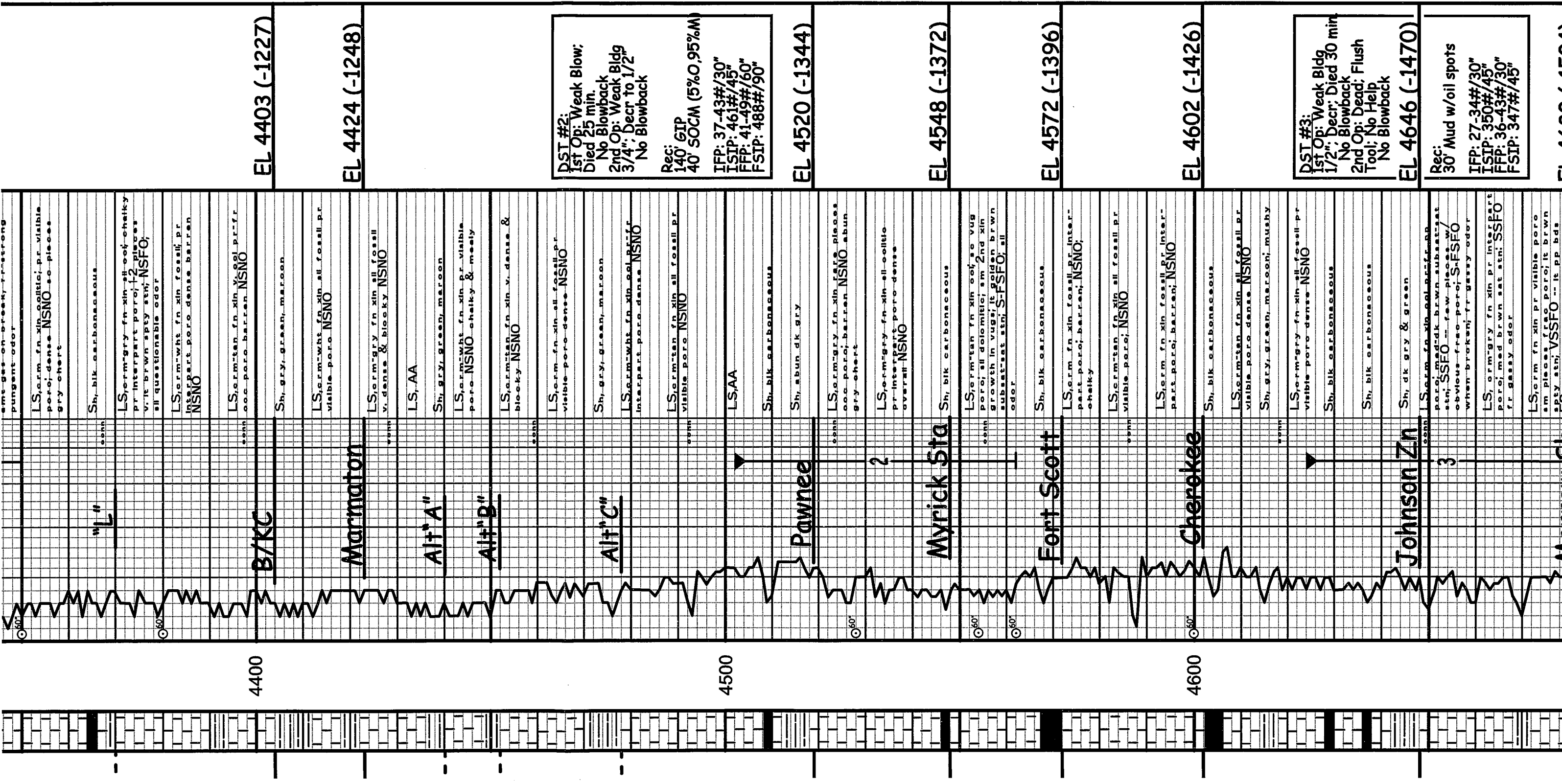
EL 4094 (-918)

EL 4239 (-1063)

EL 4328 (-1152)

Pipe Strap at 4350'
1.74 Board Short

DST #1:
1st Op: BOB 30"
No Blowback
2nd Op: Fair Bldg 9"
No Blowback
Rec:
120' WCM w/oil spots
(40%W, 60%M)
380' ACW
(90%W, 10%M)
500' Total Fluid
IFP: 29-177#/45"
ISIP: 1135#/45"
FFP: 182-254#/45"
FSIP: 1102#/45"
Chlor: 71,000 ppm



EL 4403 (-1227)

EL 4424 (-1248)

DST #2:
 1st Op: Weak Blow;
 Died 25 min.
 No Blowback
 2nd Op: Weak Bldg
 3/4": Decr to 1/2"
 No Blowback
 Rec:
 140' GIP
 40' SOCM (5%O,95%M)
 IFP: 37-43#/30"
 ISIP: 461#/45"
 FFP: 41-49#/60"
 FSIP: 488#/90"

EL 4520 (-1344)

EL 4548 (-1372)

EL 4572 (-1396)

EL 4602 (-1426)

DST #3:
 1st Op: Weak Bldg
 1/2"; Decr; Died 30 min
 No Blowback
 2nd Op: Dead; Flush
 Tool; No Help
 No Blowback
 EL 4646 (-1470)

Rec:
 30' Mud w/oil spots
 IFP: 27-34#/30"
 ISIP: 350#/45"
 FFP: 36-43#/30"
 FSIP: 347#/45"

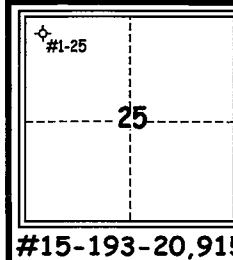
<p>EL 4680 (-1504)</p>	<p>EL 4706 (-1530)</p>	<p>am pieces f. fac poro; it brwn pty sh; VSSFO --- it pp bds FO on break; all quest odor Sh, gry & bright green SS, wht fn-gr rare clusters; pr intgran poro; friable-well-sorted NSNO Sh, abun, varicolored SS, wht, gry, f. med, f. fine pr-f. r. intgran. poro; NSNO LS, crm, fn xin v. sdy matrix pr interpart poro NSNO am lg. unconsolidated sd grains LS, crm, wht fn xin pr interpart poro; am, sdy matrix; sc pieces wht abast NSNO LS, crm, wht fn xin pr visible poro; f. 2 pieces w/ sdy matrix; NSNO; predom dense & blocky LS, wht fn xin pr interpart poro sdy matrix; NSNO barren; abun pieces, bushy wht chalk; flood dk gry Sh LS, crm, tan, fn xin dense pr visible poro; subchalky; am pieces with sdy matrix NSNO</p>	<p>LITHOLOGY</p>
<p>Merrow Sh</p>	<p>Mississippian</p>		<p>4700</p>
		<p>SAMPLE DESCRIPTIONS</p>	<p>LITHOLOGY</p>
		<p>OPERATOR: <u>Russell Oil, Inc.</u></p>	<p>ELEVATION: <u>KB 3176</u></p>
		<p>LEASE: <u>Dumler</u> WELL NO: <u>#1-25</u></p>	<p>LOCATION: <u>330'FN & 330'FW</u></p>
		<p>API: <u>15-193-20,915</u> FIELD: <u>Wildcat</u></p>	<p>SEC: <u>25</u> TWP: <u>10S</u> RNG: <u>34W</u></p>
		<p>COUNTY: <u>Thomas</u> STATE: <u>Kansas</u></p>	

KITT NOAH

PETROLEUM GEOLOGIST
Kansas License #229



ELEVATION:
KB: 3176
GL: 3165
MEASURED FROM:
KB



GEOLOGIST'S REPORT
DRILLING TIME AND SAMPLE LOG

OPERATOR: Russell Oil, Inc.
LEASE: Dumler WELL NO: #1-25
LOCATION: 330'FN & 330'FW
SEC: 25 TWP: 10S RNG: 34W
COUNTY: Thomas STATE: Kansas

CASING RECORD:
SURFACE: 8 5/8" set at 320' w/225 sx.
PRODUCTION: D&A
DV TOOL: _____

FORMATION	LOG	
	TOP	DATUM
Anhydrite	2668	(+508)
B/Anhydrite	2696	(+480)
Heebner	4056	(-880)
Toronto	4078	(-902)
Lansing	4094	(-918)
Stark	4328	(-1152)
B/KC	4403	(-1227)
Marmaton	4424	(-1248)
Pawnee	4520	(-1344)
Cherokee	4602	(-1426)
Mississippian	4706	(-1530)
RTD	4760	(-1584)
LTD	4762	(-1586)

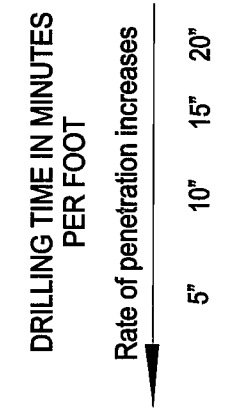
CONTRACTOR: H2 Drilling Rig #2
COMM: 3-30-2014 COMPL: 4-9-2014
RTD: 4760 LTD: 4762
SAMPLES SAVED FROM: 3800 to TD
DRILLING TIME SAVED FROM: 3800 to TD
SAMPLES EXAMINED FROM: 3800 to TD
GEOLOGICAL SUPERVISION FROM: 3850 to TD
MUD UP: 3487 MUD TYPE: chemical
Mudco - Reid Atkins
DRILL STEM TESTS TAKEN: 3
Trilobite - Bradley Walters

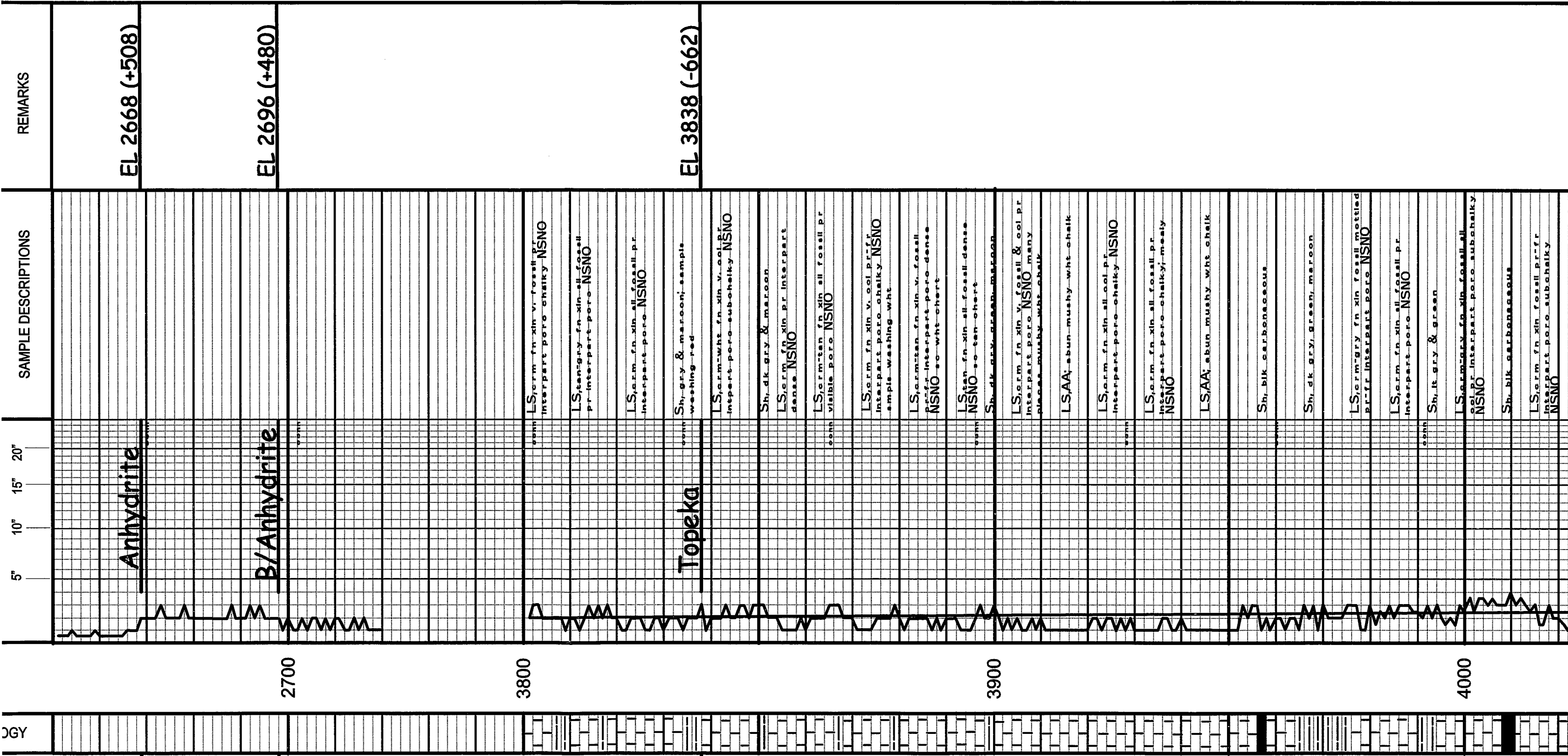
SURVEYS: Pioneer Energy Services
Dual Compensated Porosity
Dual Induction
Microlog

LEGEND

- Anhydrite
- Chert
- Carb Shale
- Shale
- Sandstone
- Dolomite
- Ool Lime
- Limestone

DEPTH	LITHOLOGY	SAMPLE DESCRIPTIONS	REMARKS
			Lost Circulation at 1888' - 150 bbls.





REMARKS

SAMPLE DESCRIPTIONS

EL 2668 (+508)

EL 2696 (+480)

EL 3838 (-662)

Anhydrite

B/Anhydrite

Topoka

2700

3800

3900

4000

OGY

LS,erm fn xin v. fossil pr
interpart poro chalky NSNO

LS,ten-gry fn xin all fossil
pr-interpart poro NSNO

LS,erm fn xin all fossil pr
interpart poro NSNO

Sh, gry & maroon; sample
washing red

LS,erm-whit fn xin v. fossil
interpart poro sub-chalky NSNO

Sh, dk gry & maroon

LS,erm fn xin pr interpart
dense NSNO

LS,erm ten fn xin all fossil pr
visible poro NSNO

LS,erm fn xin v. ool pr
interpart poro chalky NSNO
sample washing wht

LS,erm ten fn xin v. fossil
pr-interpart poro dense
NSNO so wht chert

LS,ten fn xin all fossil-dense
NSNO so ten chert

Sh, dk gry, green, maroon

LS,erm fn xin v. fossil & ool pr
interpart poro NSNO many
places muddy wht chalk

LS,AA abun-mushy wht chalk

LS,erm fn xin all ool pr
interpart poro chalky NSNO

LS,erm fn xin all fossil pr
interpart poro chalky; mealy
NSNO

LS,AA abun-mushy wht chalk

Sh, blk carbonaceous

Sh, dk gry, green, maroon

LS,erm-gry fn xin fossil mottled
pr-fr interpart poro NSNO

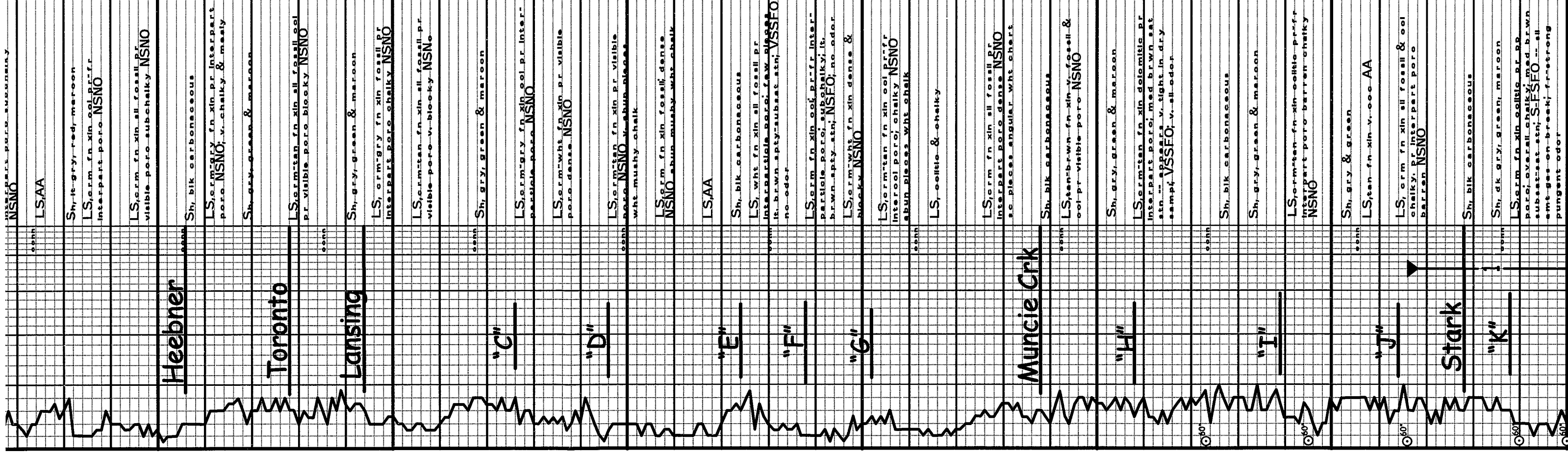
LS,erm fn xin all fossil pr
interpart poro NSNO

Sh, lt gry & green

LS,erm-gry fn xin fossil all
ool pr interpart poro sub-chalky
NSNO

Sh, blk carbonaceous

LS,erm fn xin fossil pr-fr
interpart poro sub-chalky
NSNO



EL 4056 (-880)

EL 4078 (-902)

EL 4094 (-918)

4100

4200

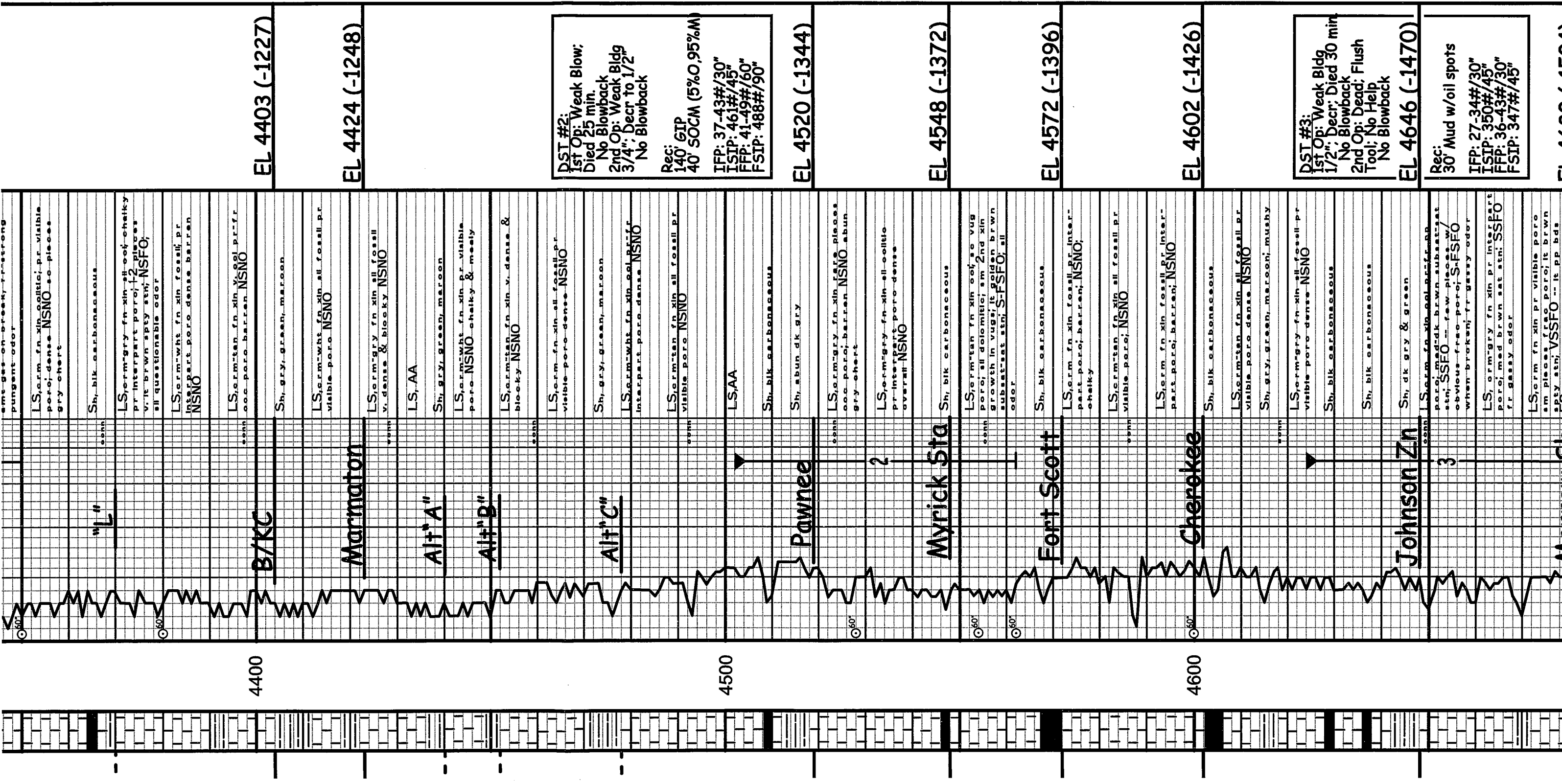
4300

EL 4239 (-1063)

DST #:	1st Op: BOB 30"
	No Blowback
	2nd Op: Fair Bldg 9"
	No Blowback
Rec:	120' WCM w/oil spots
	(40%W, 60%M)
	380' ACW
	(90%W, 10%M)
	500' Total Fluid
IFP:	29-177#/45"
ISIP:	1135#/45"
FFP:	182-254#/45"
FSIP:	1102#/45"
Chlor:	71,000 ppm

EL 4328 (-1152)

Pipe Strap at 4350'
1.74 Board Short



EL 4403 (-1227)

EL 4424 (-1248)

DST #2:
 1st Op: Weak Blow;
 Died 25 min.
 No Blowback
 2nd Op: Weak Bldg
 3/4": Decr to 1/2"
 No Blowback
 Rec:
 140' GIP
 40' SOCM (5%O,95%M)
 IFP: 37-43#/30"
 ISIP: 461#/45"
 FFP: 41-49#/60"
 FSIP: 488#/90"

EL 4520 (-1344)

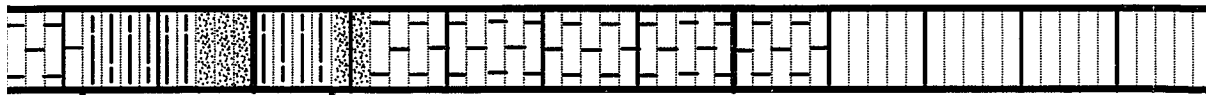
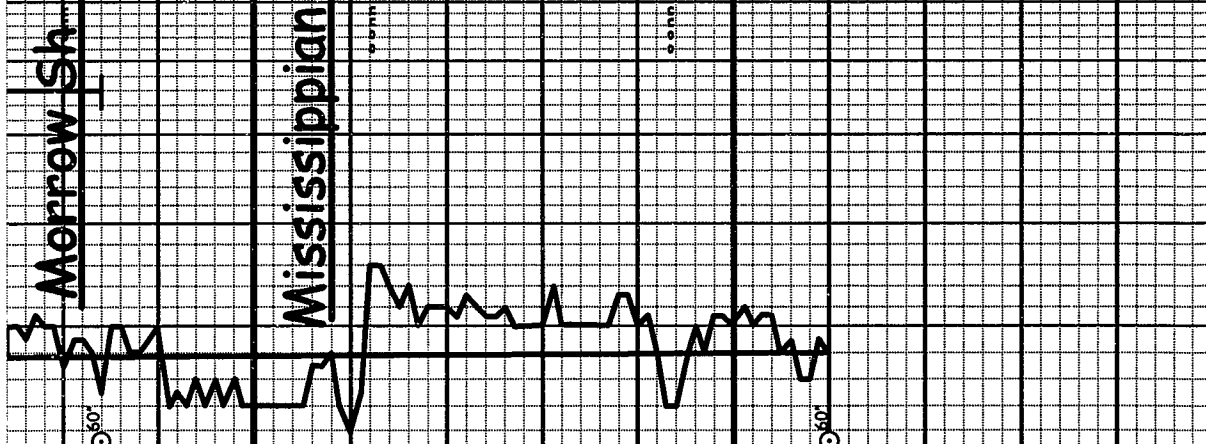
EL 4548 (-1372)

EL 4572 (-1396)

EL 4602 (-1426)

DST #3:
 1st Op: Weak Bldg
 1/2": Decr; Died 30 min
 No Blowback
 2nd Op: Dead; Flush
 Tool; No Help
 No Blowback
 EL 4646 (-1470)

Rec:
 30' Mud w/oil spots
 IFP: 27-34#/30"
 ISIP: 350#/45"
 FFP: 36-43#/30"
 FSIP: 347#/45"

<p>EL 4680 (-1504)</p>	<p>4700</p> 
<p>EL 4706 (-1530)</p>	<p>Mississippi</p> 
<p>am pieces f. fac. poro; it brwn pty sh; VSSFO --- it pp bds FO on break; all quest odor</p> <p>Sh, gry & bright green</p> <p>SS, wht fn-gr rare clusters; pr intergran poro; friable-well-sorted NSNO</p> <p>Sh, abun, varicolored</p> <p>SS, wht, gry, f. med, f. quartara pr-f. r. intergran-poro; NSNO</p> <p>LS, crm fn xin v. sdy matrix pr interpart poro NSNO am ig unconsolidated sd grains</p> <p>LS, crm-wht fn xin pr interpart poro; am, sdy matrix; sc pieces wht abast NSNO</p> <p>LS, crm-wht fn xin pr visible poro; f2 pieces w/sdy matrix; NSNO; predom dense & blocky</p> <p>LS, wht fn xin pr interpart poro sdy matrix; NSNO barren; abun pieces bushy wht chalk; flood dk gry Sh</p> <p>LS, crm-tan fn xin dense pr visible-poro; subchalky; am pieces with sdy matrix NSNO</p>	<p>Merrow Sh</p> <p>Mississippi</p> <p>DRILLING TIME IN MINUTES PER FOOT</p> <p>5" 10" 15" 20"</p> <p>Rate of penetration increases</p> <p>LITHOLOGY</p>
<p>MISSOURI</p>	<p>SAMPLE DESCRIPTIONS</p>
<p>KIT E. NOAH LICENSED 229 KANSAS GEOLOGICAL</p>	<p>ELEVATION: <u>KB 3176</u></p> <p>OPERATOR: <u>Russell Oil, Inc.</u></p> <p>LOCATION: <u>330'FN & 330'FW</u></p> <p>LEASE: <u>Dumler</u> WELL NO: <u>#1-25</u> SEC: <u>25</u> TWP: <u>10S</u> RNG: <u>34W</u></p> <p>API: <u>15-193-20,915</u> FIELD: <u>Wildcat</u> COUNTY: <u>Thomas</u> STATE: <u>Kansas</u></p>