



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1074513
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: _____

1074513

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
---	--

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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Form	ACO1 - Well Completion
Operator	Edison Operating Company LLC
Well Name	Curtis 1-2
Doc ID	1074513

All Electric Logs Run

Micro
Dual Induction
Compensated Density / Neutron
Sonic

Form	ACO1 - Well Completion
Operator	Edison Operating Company LLC
Well Name	Curtis 1-2
Doc ID	1074513

Tops

Name	Top	Datum
Heebner	3513	-1553
Toronto	3529	-1569
Douglas	3548	-1588
Brown Lime	3651	-1691
Lansing	3682	-1722
Muncie Creek	3807	-1847
Stark	3881	-1921
Hushpuckney	3916	-1956
Base Kansas City	3938	-1978
Marmaton	3975	-2015
Mississippian	4034	-2074
Kinderhook	4053	-2093
Viola	4121	-2161
Simpson	4282	-2322
Arbuckle	4330	-2370



10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

FIELD SERVICE TICKET
1718 05782 A

DATE _____ TICKET NO. _____

2-255-14W

DATE OF JOB	1-24-12	DISTRICT	Pratt, Kansas	NEW WELL	<input checked="" type="checkbox"/>	PROD	<input type="checkbox"/>	INJ	<input type="checkbox"/>	WDW	<input type="checkbox"/>	CUSTOMER ORDER NO.:	
CUSTOMER	Edison Operating Company LLC	LEASE	Curtis	WELL NO.	1-2								
ADDRESS		COUNTY	Stafford	STATE	Kansas								
CITY		STATE		SERVICE CREW:	C. Messick; M. Mattal; J. McCaskey; M. Lawrence								
AUTHORIZED BY		JOB TYPE:	C.N.W. - Surface										
EQUIPMENT#	37216	HRS	.75	EQUIPMENT#		HRS		TRUCK CALLED	1-23-12	DATE	AM	PM	TIME
	19903-19905		.75					ARRIVED AT JOB	1-23-12		AM	PM	8:00
	19826-19860		.75					START OPERATION	1-24-12		AM	PM	8:30
								FINISH OPERATION	1-24-12		AM	PM	1:45
								RELEASED	1-24-12		AM	PM	2:00
								MILES FROM STATION TO WELL					20

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP106	A Serv Lite Cement	sf	175	\$	2275 00
CP100C	Common Cement	sf	175	\$	2800 00
CC102	Cellplate	Lb	88	\$	325 60
CC109	Calcium Chloride	Lb	789	\$	828 45
CF153	Wooden Plug, 8 5/8"	ea	1	\$	160 00
E100	Pickup Mileage	Mi	20	\$	85 00
E101	Heavy Equipment Mileage	Mi	40	\$	280 00
E113	Bulk Delivery	tm	318	\$	508 80
CE200	Cement Pump: 0 Feet To 500 Feet	hrs	4	\$	1000 00
CE240	Blending and Mixing Service	sf	350	\$	490 00
CE504	Plug Container	Tab	1	\$	250 00
S003	Service Supervisor	hrs	8	\$	175 00

CHEMICAL / ACID DATA:	

SUB TOTAL	225 \$	7250 50
SERVICE & EQUIPMENT MATERIALS	%TAX ON \$	
	%TAX ON \$	
TOTAL		

SERVICE REPRESENTATIVE: *Antonio R. Madrid*
THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *Chris J. Jett*
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.



Pratt (620) 672-1201

B EDISON OPERATING COMPANY LLC
 I 1223 NORTH ROCK ROAD BLDG I-100
 L WICHITA
 L KS US 67206
 T
 o ATTN: DAVID WITTHROW

J LEASE NAME Curtis 1-2
 O LOCATION
 B COUNTY Stafford
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T JOB CONTRACT
 E

PAGE	CUST NO	INVOICE DATE
1 of 1	1007020	01/31/2012
INVOICE NUMBER		
1718 - 90816169		

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40423997	19842/19843 (Li bera		Net - 30 days	03/01/2012

For Service Dates: 01/30/2012 to 01/30/2012

0040423997

171805644A Cement-New Well Casing/Pi 01/30/2012
 Cement PTA
 60/40 POZ
 Celloflake
 Cement Gel
 Heavy Equipment Mileage
 Proppant and Bulk Delivery Charge
 Blending & Mixing Service Charge
 Unit Mileage Charge-Pickups, Vans & Cars
 Depth Charge; 4001-5000'
 Service Supervisor

QTY	U of M	UNIT PRICE	INVOICE AMOUNT
220.00	EA	9.48	2,085.60
56.00	EA	2.92	163.69
380.00	EA	0.20	75.05
40.00	MI	5.53	221.20
190.00	MI	1.26	240.16
220.00	MI	1.11	243.32
20.00	HR	3.36	67.15
1.00	HR	1,990.80	1,990.80
1.00	HR	138.25	138.25

PLEASE REMIT TO: SEND OTHER CORRESPONDENCE TO:

BASIC ENERGY SERVICES, LP
 PO BOX 841903
 DALLAS, TX 75284-1903

BASIC ENERGY SERVICES, LP
 PO BOX 10460
 MIDLAND, TX 79702

SUB TOTAL 5,225.22
 TAX 0.00
 INVOICE TOTAL 5,225.22



Pratt (620) 672-1201

B EDISON OPERATING COMPANY LLC
 I 1223 NORTH ROCK ROAD BLDG I-100
 L WICHITA
 L KS US 67206
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 o ATTN: DAVID WITTHROW

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SUB TOTAL 5,225.22
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TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Edison Operating Company LLC

2-25s-14w

9427 E Cross Creek
Wichita KS 67206

Curtis #1-2

Job Ticket: 47452

DST#: 1

ATTN: David Withrow /Derek

Test Start: 2012.01.28 @ 17:58:41

GENERAL INFORMATION:

Formation: **Viola**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:20:11

Time Test Ended: 04:10:56

Test Type: Conventional Bottom Hole (Initial)

Tester: Chris Staats

Unit No: 47

Interval: 4124.00 ft (KB) To 4141.00 ft (KB) (TVD)

Reference Elevations: 1960.00 ft (KB)

Total Depth: 4141.00 ft (KB) (TVD)

1957.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 3.00 ft

Serial #: 6773 Outside

Press @ RunDepth: 193.48 psig @ 4125.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.01.28

End Date:

2012.01.29

Last Calib.:

2012.01.29

Start Time: 17:58:46

End Time:

04:10:56

Time On Btm:

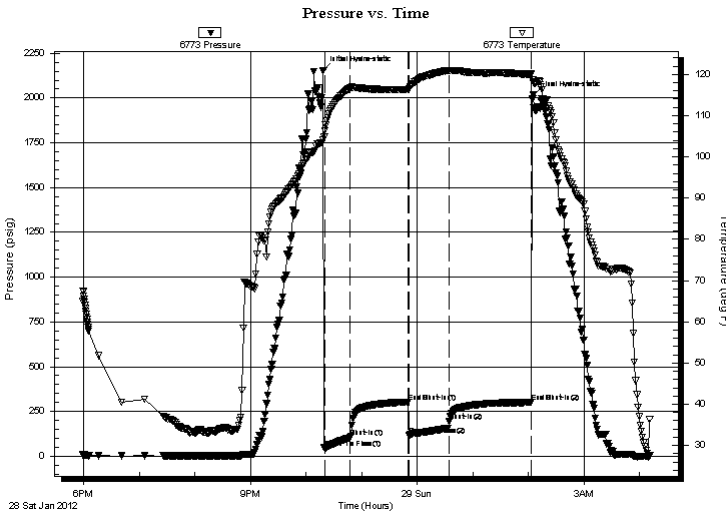
2012.01.28 @ 22:18:26

Time Off Btm:

2012.01.29 @ 02:04:56

TEST COMMENT: IF: Strong blow BOB 2 min
ISI Weak blow back 1"
FF: Strong blow BOB 15 min
FSI: Weak blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2154.32	104.00	Initial Hydro-static
2	45.70	106.39	Open To Flow (1)
30	104.87	116.71	Shut-In(1)
92	302.45	116.26	End Shut-In(1)
93	117.08	116.68	Open To Flow (2)
137	193.48	120.94	Shut-In(2)
225	301.75	120.08	End Shut-In(2)
227	2015.96	118.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	806' GIP	0.00
40.00	G,O,M,W 10%gas20%oil30%water40%mud	0.20
240.00	G,O,M,W 5%gas2%oil88%water5%mud	1.53

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Edison Operating Company LLC

2-25s-14w

9427 E Cross Creek
Wichita KS 67206

Curtis #1-2

Job Ticket: 47452

DST#: 1

ATTN: David Withrow /Derek

Test Start: 2012.01.28 @ 17:58:41

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 12.39 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5600.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	806' GIP	0.000
40.00	G,O,M,W 10%gas20%oil30%water40%mud	0.197
240.00	G,O,M,W 5%gas2%oil88%water5%mud	1.526

Total Length: 280.00 ft

Total Volume: 1.723 bbl

Num Fluid Samples: 0

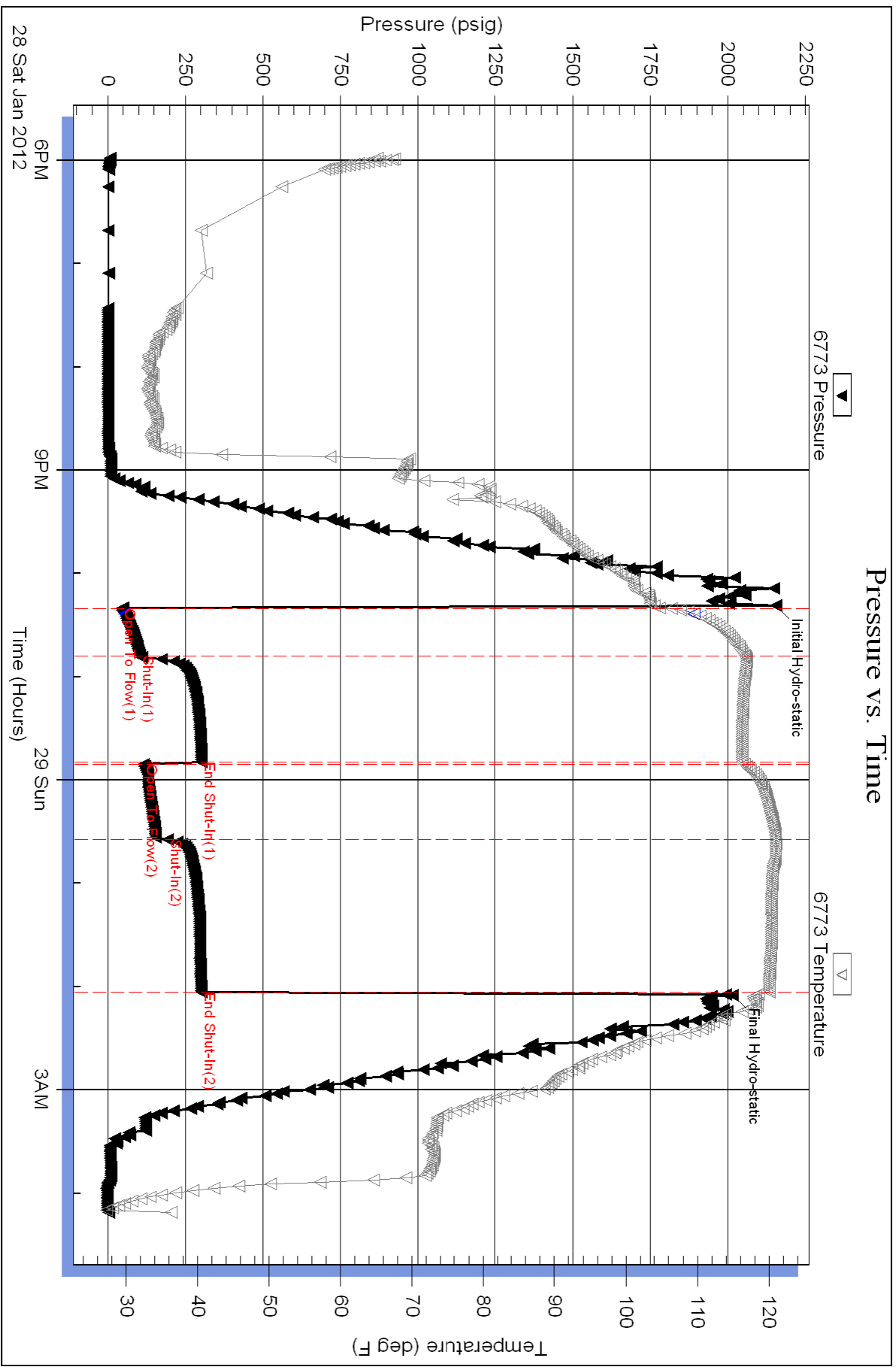
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





EDISON OPERATING COMPANY_{LLC}

Scale 1:240 (5"=100') Imperial

Well Name: Curtis #1-2
Location: Sec. 2 - T25S - R14W, Stafford County, KS
Licence Number: API No.: 15-185-23733-0000
Spud Date: January 23, 2012
Surface Coordinates: 1155' FSL & 1485' FWL

Region: Cephas
Drilling Completed: January 29, 2012

Bottom Hole Coordinates:

Ground Elevation (ft): 1955' K.B. Elevation (ft): 1960'
Logged Interval (ft): 3410' To: 4350' Total Depth (ft): 4349' (LTD)
Formation: Arbuckle
Type of Drilling Fluid: Chemical Gel/Polymer

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Edison Operating Company, LLC
Address: 1223 N. Rock Road
Building I-100
Wichita, KS 67206

GEOLOGIST

Name: Derek W. Patterson
Company: Valhalla Exploration, LLC
Address: 133 N. Glendale
Wichita, KS 67208

REMARKS

After review of the open hole logs, log calculations, negative DST results, and sample analysis, it was decided by operator to plug and abandon the Curtis #1-2 as a dry hole. Said well was plugged on January 30, 2012.

The well samples were saved, submitted, and will be available for review at the Kansas Geologic Survey's Well Sample Library located in Wichita, KS.

Respectfully Submitted,

Derek W. Patterson



DAILY DRILLING REPORT

Company: Edison Operating Company, LLC
1223 N. Rock Road - Building I-100
Wichita, KS 67206

Contact: David Withrow
Cell: 316.613.1544

Geologist: Derek W. Patterson
Cell: 316.655.3550
Office: 316.558.5202

Drilling Contractor: J V Mallard, Inc. - Rig #1
Toolpusher: Levon Urban

Well: Curtis #1-2
Location: 1155' FSL & 1485' FWL
Sec. 2 - T25S - R14W
Stafford Co., KS

Elevation: 1955' GL - 1960' KB
Field: Cephas

API: 15-185-23733-0000
Surface Casing: 370' of 8 5/8" set @ 377' KB
Spud Date: January 23, 2012
Drilling Complete: January 29, 2012

DATE	7:00 AM DEPTH	PREVIOUS 24 HOURS OF OPERATIONS
1.27.2012	3600'	Drilling and connections Topeka. Geologist Derek W. Patterson on location, 2320 hrs 1.26.12. Reset Bloodhound depth and rezero gas detector. Resume drilling and connections Topeka, Heebner, Toronto, and into Douglas. DMC: -\$143.05 CMC: \$5,834.75
1.28.2012	4056'	Drilling and connections Douglas, Brown Lime, and into Lansing. CFS @ 3728' (LKC "B"). Resume drilling and connections Lansing. Rezero gas detector and test system. Drilling and connections Lansing. CFS @ 3824' (LKC 'H'). Resume drilling and connections Lansing. CFS @ 3880' (LKC 'J'). Resume drilling and connections Lansing. CFS @ 3910' (LKC 'K'). Resume drilling and connections Lansing. CFS @ 3932' (LKC 'L'). Resume drilling and connections Lansir Base Kansas City, Marmaton, Mississippian, and into Kinderhook. CFS @ 4056' (Kinderhook) to evaluate the Mississippian. Made 456' over past 24 hrs of operations. DMC: \$112.70 CMC: \$5,947.45
1.29.2012	4141'	Resume drilling and connections Kinderhook and into Viola. CFS @ 4130' (Viola). Resume drilling and connections Viola. CFS @ 4141' (Viola). Shows warrant DST. CTCH, short trip (20 stands), CTCH, drop survey, strap out for DST #1, 1815 hrs 1.28.12. TIH with tool, conducting DST #1, test successful. TIH with bit, CTCH. Made 85' over past 24 hrs of operations. DMC: \$1,030.30 CMC: \$6,977.75
1.30.2012	RTD - 4350' LTD - 4349'	CTCH, jet system and check mud properties. Resume drilling following DST #1, 0855 hrs 1.29.12. Drilling and connections Viola. CFS @ 4168' (Viola). Resume drilling and connections Viola, Simpson, and into Arbuckle. CFS @ 4340' (Arbuckle). Resume drilling Arbuckle ahead to RTD of 4350'. RTD reached, 2120 hrs 1.29.12. CTCH, TOH for open hole logging operations, 2315 hrs 1.29.12. Commence open hole logging operations, 0130 hrs 1.30.12. Open hole logging operations complete, 0520 hrs 1.30.12. Orders received to plug and abandon the Curtis #1-2 as a dry hole. Said well was plugged on 1.30.12. Geologist Derek W. Patterson off location, 0600 hrs 1.30.12. Made 209' over past 24 hrs of operations.



WELL COMPARISON SHEET

DRILLING WELL					COMPARISON WELL				COMPARISON WELL			
Edison Operating Co - Curtis #1-2 1155' FSL & 1485' FWL Sec. 2 - T25S - R14W 1960 KB					Phillips Petroleum - Hattie 'B' #2 NE SE SW Sec. 2 - T25S - R14W Oil - Viola 1965 KB				Phillips Petroleum - Hattie 'B' #3 SE NE SW Sec. 2 - T25S - R14W Oil - Viola 1963 KB			
							Structural Relationship				Structural Relationship	
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Heebner	3513	-1553	3513	-1553	3506	-1541	-12	-12	3503	-1540	-13	-13
Toronto	3529	-1569	3529	-1569	3524	-1559	-10	-10	3522	-1559	-10	-10
Douglas	3548	-1588	3548	-1588	3544	-1579	-9	-9	3542	-1579	-9	-9
Brown Lime	3651	-1691	3649	-1689	3644	-1679	-12	-10	3641	-1678	-13	-11
Lansing	3682	-1722	3680	-1720	3674	-1709	-13	-11	3672	-1709	-13	-11
LKC 'B' Zone	3700	-1740	3697	-1737	3693	-1728	-12	-9	3689	-1726	-14	-11
LKC 'D' Zone	3726	-1766	3722	-1762	3715	-1750	-16	-12	3712	-1749	-17	-13
Muncie Creek	3807	-1847	3805	-1845	3796	-1831	-16	-14	3795	-1832	-15	-13
LKC 'H' Zone	3811	-1851	3808	-1848	3802	-1837	-14	-11	3802	-1839	-12	-9
LKC 'J' Zone	3846	-1886	3843	-1883	3835	-1870	-16	-13	3834	-1871	-15	-12
Stark	3881	-1921	3880	-1920	3872	-1907	-14	-13	3874	-1911	-10	-9
LKC 'K' Zone	3889	-1929	3891	-1931	3878	-1913	-16	-18	3882	-1919	-10	-12
Hushpuckney	3916	-1956	3915	-1955	3907	-1942	-14	-13	3908	-1945	-11	-10
Base Kansas City	3938	-1978	3936	-1976	3928	-1963	-15	-13	3927	-1964	-14	-12
Marmaton	3975	-2015	3974	-2014	3965	-2000	-15	-14	3961	-1998	-17	-16
Mississippian	4034	-2074	4037	-2077	4025	-2060	-14	-17	4020	-2057	-17	-20
Kinderhook	4053	-2093	4050	-2090	4038	-2073	-20	-17	4047	-2084	-9	-6
Viola	4121	-2161	4120	-2160	4107	-2142	-19	-18	4113	-2150	-11	-10
Simpson	4282	-2322	4277	-2317	Not Penetrated				4274	-2311	-11	151
Arbuckle	4330	-2370	4330	-2370	Not Penetrated				Not Penetrated			
Total Depth	4350	-2390	4349	-2389	4262	-2297	-93	-92	4279	-2316	-74	-73



GENERAL INFORMATION

DEVIATION SURVEY	
Depth	Survey
4141'	1°

PIPE STRAP	
Depth	Pipe Strap
4141'	0.72' Short to Board

BIT RECORD								
Bit #	Size	Make	Type	Serial Number	Depth In	Depth Out	Feet	Hours
1	12 1/4"	Smith	RT	RR	0'	377'	377'	N/A
2	7 7/8"	Smith	F27	PT 8363	377'	4350'	3973'	87.25

SURFACE CASING RECORD	
1.24.2012	Ran 9 joints of new 24#/ft 8 5/8" casing, tallying 370', set @ 377' KB. Cemented with 175 sacks A-lite and 175 sacks prem 2% gel, 3% calcium chloride. Cement did circulate. Plug down @ 0130 hrs 1.24.12.

PRODUCTION CASING RECORD	



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Edison Operating Company LLC

2-25s-14w

9427 E Cross Creek
Wichita KS 67206

Curtis #1-2

Job Ticket: 47452

DST#: 1

ATTN: David Withrow /Derek

Test Start: 2012.01.28 @ 17:58:41

GENERAL INFORMATION:

Formation: **Viola**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:20:11

Time Test Ended: 04:10:56

Test Type: Conventional Bottom Hole (Initial)

Tester: Chris Staats

Unit No: 47

Interval: 4124.00 ft (KB) To 4141.00 ft (KB) (TVD)

Reference Elevations: 1960.00 ft (KB)

Total Depth: 4141.00 ft (KB) (TVD)

1957.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 3.00 ft

Serial #: 6773 Outside

Press @ Run Depth: 193.48 psig @ 4125.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.01.28

End Date:

2012.01.29

Last Calib.:

2012.01.29

Start Time: 17:58:46

End Time:

04:10:56

Time On Btm:

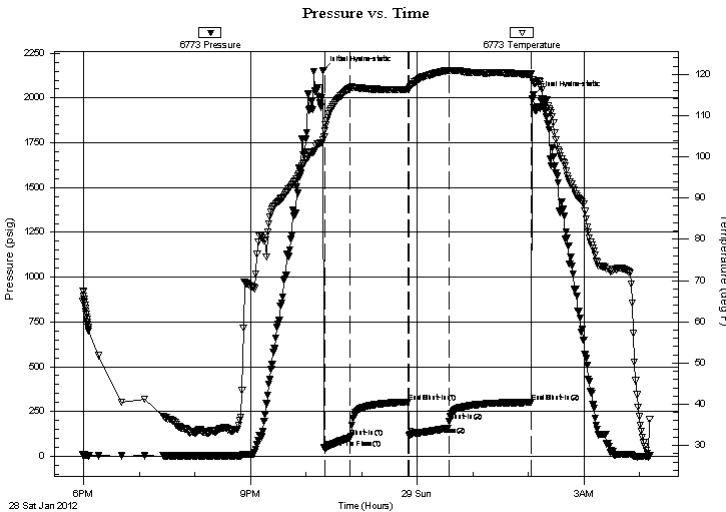
2012.01.28 @ 22:18:26

Time Off Btm:

2012.01.29 @ 02:04:56

TEST COMMENT: IF: Strong blow BOB 2 min
ISI Weak blow back 1"
FF: Strong blow BOB 15 min
FSI: Weak blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2154.32	104.00	Initial Hydro-static
2	45.70	106.39	Open To Flow (1)
30	104.87	116.71	Shut-In(1)
92	302.45	116.26	End Shut-In(1)
93	117.08	116.68	Open To Flow (2)
137	193.48	120.94	Shut-In(2)
225	301.75	120.08	End Shut-In(2)
227	2015.96	118.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	806' GIP	0.00
40.00	G,O,M,W 10%gas20%oil30%water40%mud	0.20
240.00	G,O,M,W 5%gas2%oil88%water5%mud	1.53

Gas Rates

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

ROCK TYPES

LITHOLOGY

- Anhy
- Bent
- Brec
- Cht
- Clyst
- Coal
- Congl
- Dol
- Gyp
- Igne
- Lmst
- Meta
- Mrst
- Salt
- Shale
- Shcol
- Shgy
- Sltst
- Ss
- Till
- Sltstn
- Shale
- Sandylms
- Lms
- Gry sh
- Dtd
- Dol
- Carb sh
- pipesymbol

FOSSIL

- unknown lith
- Red shale
- Oomoldic
- Fuss
- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram
- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom
- MINERAL
- Silty

STRINGER

- Sand
- Dol
- Chlorite
- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Brecfrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau
- Gyp
- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr
- Salt
- Sandy
- Silt
- Sil

TEXTURE

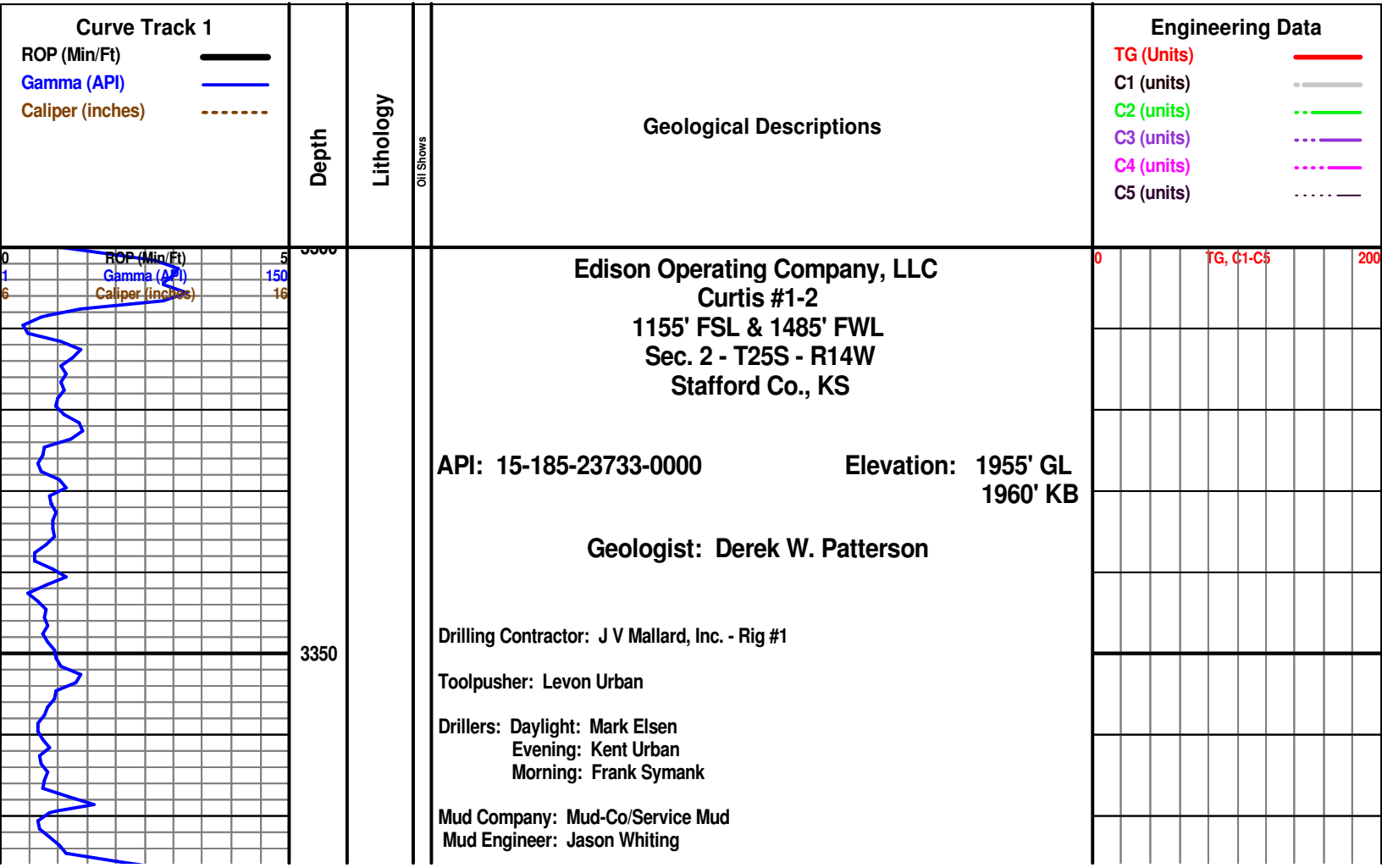
- Boundst
- Chalky
- Cryxln
- Earthy
- Finexln

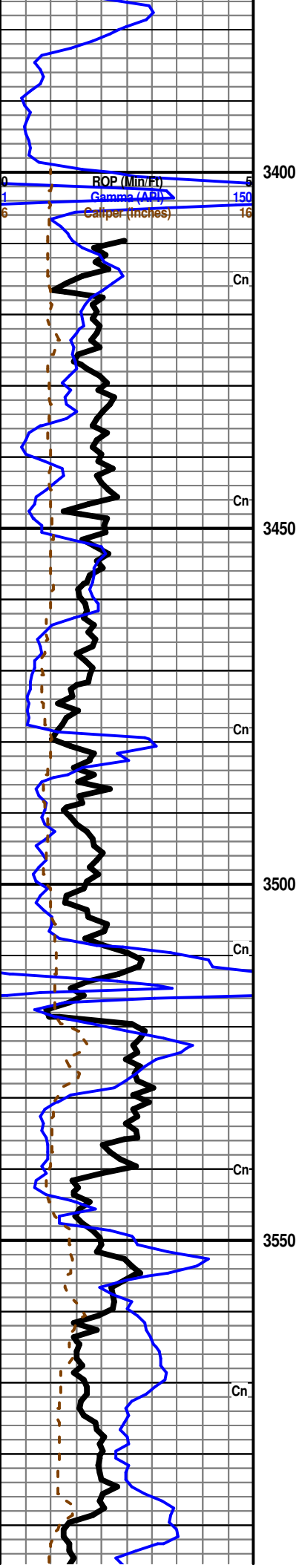
OIL SHOW

- Red shale
- Sh
- Sandylms
- Lms
- Gryslt
- Grysh
- Dol
- Clystn
- Carbsh
- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst
- Sltstrg
- Ssstrg

INTERVAL

- Grainst
- Lithogr
- Microxln
- Mudst
- Packst
- Wackst
- Gas show
- Good
- Fair
- Poor
- Dead
- Dst
- Core
- Dst
- Straddle test t
- Rft
- Sidewall
- Dst
- Open hole
- Perforations





Testing Company: Trilobite Testing, Inc.

Tester: Chris Staats

Logging Company: Superior Well Services

Logging Engineer: Jeff Groneweg

Gas Detector: Bluestem Environmental

Bloodhound Unit 0258 on location and operational @ 2256'. The ROP, TG, C1 (Methane), C2 (Ethane), C3 (Propane) & C4 (N-Butane = C4 Butane + C5 Iso Butane) DATA was downloaded from the Bloodhound Unit 0258. Said DATA was imported and displayed on this Geologic Report.

Displace Mud System @ 3160'

Geologist Derek W. Patterson on location @ 3384', 2320 hrs 1.26.12

0 1 6 200

TG, C1-C5
Rezero Gas Detector
0 = 10 Units

Start 10' Wet & Dry Samples @ 3500'

Limestone: lt gray lt cream, dense sub-chalky matrix, vfxln, barren, fair-poor interxln/pinpoint porosity, no shows noted, no fluorescence, with trace scattered loose Chalk in sample.

Heebner 3513 (-1553)

Shale: black, carbonaceous, blocky, mostly hard with some softer and waxy, poor show bleeding gas bubbles with fair-good increase upon break, with Shale: gray dk gray, blocky, mostly hard, some fissile, grading to Limestone: gray dk gray dk cream, dense matrix, barren, fair-poor interxln porosity, no shows noted, no fluorescence.

Shale Kick

PREDOMINATELY Shale: gray dk gray dk green, blocky and hard, some fissile.

Toronto 3529 (-1569)

Limestone: off white lt gray lt cream, mostly dense sub-chalky matrix, vf-fxln, fossiliferous, grainy in part, fair interxln porosity in most, no shows noted, poor lt yellow mineral fluorescence in select pieces.

Limestone: off white lt gray lt cream, dense sub-chalky matrix, vf-microxln, sub-fossiliferous, poor interxln porosity, no shows noted, very poor mineral fluorescence in few pieces.

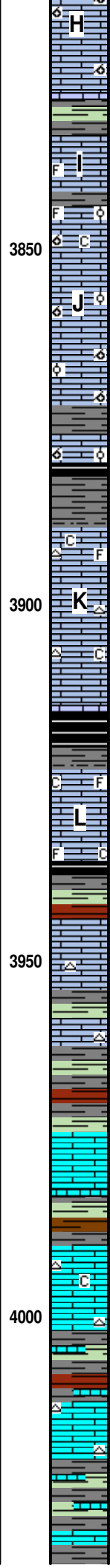
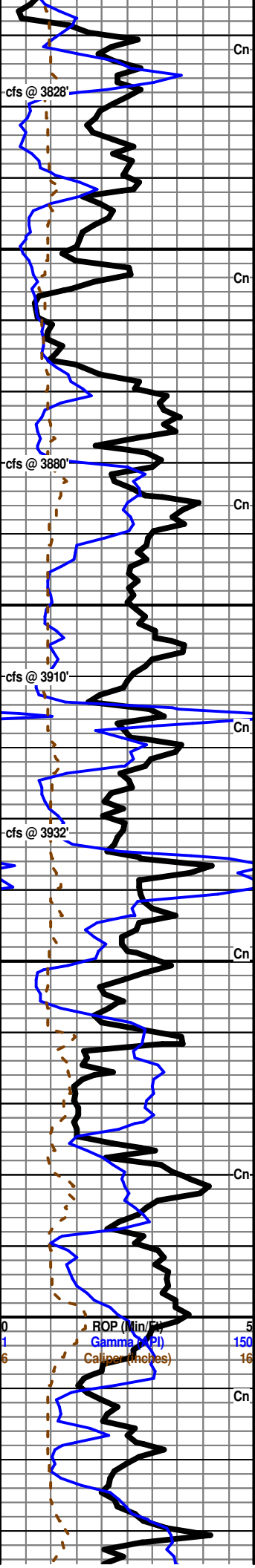
Douglas 3548 (-1588)

Shale: gray dk gray dk green brick red, blocky to rounded, hard to soft with some mushy, some pyritic in part.

Shale: gray dk gray dk green some brick red, blocky to rounded, mostly hard, some pyritic in part, sample washes gray.

Open to Fresh Air

INTERBEDDED Sandstone: white lt gray silica grains in gray matrix, vf grained, heavily micaceous/chalcy, sub-angular, fairly coated and cemented, near intergranular porosity in most no



3850

3900

3950

4000

Shale: gray dk gray dk green, blocky and soft, some fissile.

Limestone: It cream, dense tight matrix, micro-vfxln, mostly barren with some scattered sub-fossiliferous, fair amount of 2ndary xln, overall poor visible porosity, no shows noted, no fluorescence.

Limestone: off white It cream, dense matrix, vfxln, heavily fossiliferous to fossiliferous hash with abundant oolitic material, fair oomoldic development in few pieces, fair interfossiliferous/oomoldic porosity in most, fair saturated stain in porosity of most, poor show free brown oil upon break in few pieces, most shows are either staining or dead tarry oil, very few live shows, spotty It yellow fluorescence, fair-good streaming bluish-white cut fluorescence, fair-moderate odor, with Chalk.

Limestone: off white It cream, dense matrix, vf-microxln, oolitic to heavily oolitic, fair-good oomoldic development in most with small-med molds, abundant 2ndary xln in porosity, fair-good oomoldic porosity, poor saturated stain in porosity of few pieces, fair-poor show free It brown oil upon break/left under lamp, poor It yellow fluorescence, fair bluish-white cut fluorescence, faint odor.

3880' cfs 20"/40" - Limestone: It cream It tan off white, dense tight matrix, micro-vfxln, oolitic to sub-oolitic, poor oomoldic development in few pieces, overall decrease in porosity from above with most having poor interxln/visible porosity, couple pieces with slight golden staining along edges, very poor show oil in few pieces upon break, poor-no fluorescence, no cut fluorescence, faint-no odor.

Stark 3880 (-1920)

Shale: trace black, carbonaceous, blocky and waxy, no show gas bubbles, with Shale: gray dk gray, blocky to rounded, hard to soft.

Limestone: It cream off white It gray, dense tight matrix, micro-vfxln, some lithographic non-descript, mostly barren with some sub-fossiliferous and sub-oolitic, poor visible porosity, no shows noted, no fluorescence, with scattered loose Chalk.

3910' cfs 20"/40" - Limestone: It cream It gray, dense sub-cherty matrix, micro-vfxln, scattered cryptoxln with some lithographic non-descript, barren, poor visible porosity, no shows noted, very poor dull pale yellow mineral fluorescence in few pieces, with continued loose Chalk, and influx Chert: cream tan, opaque, fresh and sharp.

Hushpuckney 3915 (-1955)

Shale: black, carbonaceous, blocky and hard, waxy in part, fair show bleeding gas bubbles, with Shale: gray dk gray, mostly blocky, hard to soft, some fissile.

3932' cfs 20"/40" - Limestone: off white It cream, dense sub-chalky to chalky matrix, vf-fxln, fossiliferous with some fossiliferous hash, fair interxln porosity in most, good saturated staining in most with nealy all staining black dead tarry oil, very poor show free brown oil upon break in few pieces, scattered/spotty It yellow fluorescence, very poor bluish-white cut fluorescence in few pieces, faint odor.

Base Kansas City 3936 (-1976)

Shale: trace black, carbonaceous, with Shale: gray dk gray dk green brick red, mostly blocky, hard to soft, abundant fissile and platy.

Limestone: tan cream some gray, dense cherty matrix, micro-cryptoxln, barren, poor visible porosity, no shows noted, no fluorescence.

Shale: gray dk gray dk green, blocky, hard to soft.

Limestone: It cream It gray tan, dense cherty matrix, micro-vfxln, barren, fair amount of 2ndary xln along edges, poor visible porosity, no shows noted, no fluorescence.

Shale: gray dk gray some dk green brick red, mostly blocky with some rounded, hard to soft, some fissile.

Marmaton 3974 (-2014)

Limestone: It cream It gray, dense matrix, micro-vfxln, barren, scattered 2ndary xln along egdes and in porosity, overall poor visible porosity, no shows noted, very poor mineral fluorescence.

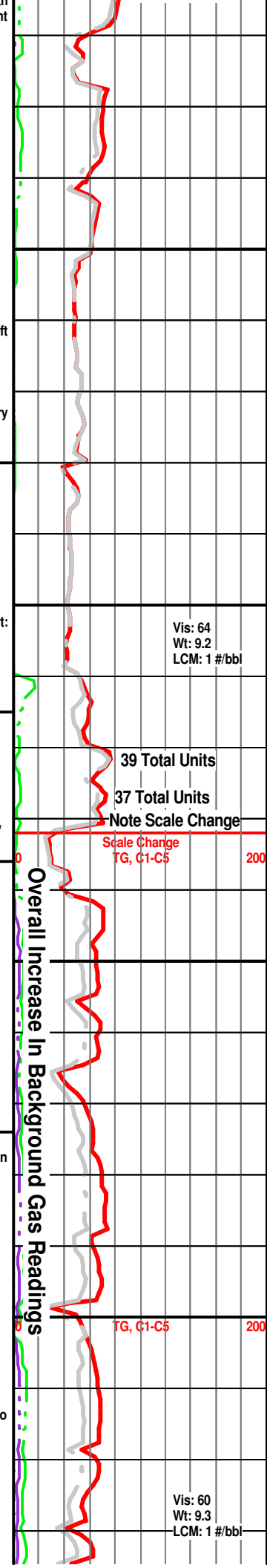
Shale: gray dk gray dk green some brown purple, blocky to rounded, mostly hard.

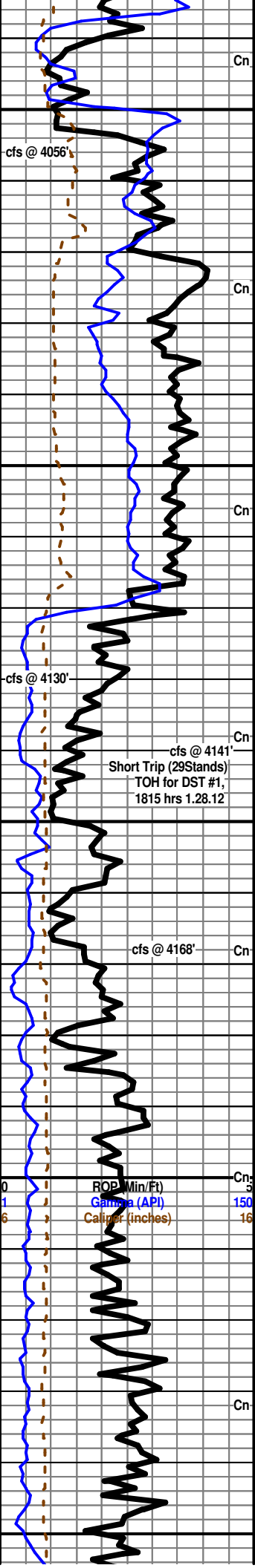
Limestone: It cream cream tan, dense cherty matrix, micro-vfxln, barren, scattered 2ndary xln along edges and in porosity, overall poor visible porosity, no shows noted, very poor mineral fluorescence, with scattered loose Chalk.

Shale: gray dk gray dk green pale green purple red, most limey, blocky and hard with some softer.

Limestone: cream It cream tan, dense cherty matrix, micro-vfxln, barren, scattered 2ndary xln, poor-no visible porosity, no shows noted, very poor mineral fluorescence.

Shale: dk gray dk green dk purple, very limey, blocky and hard.

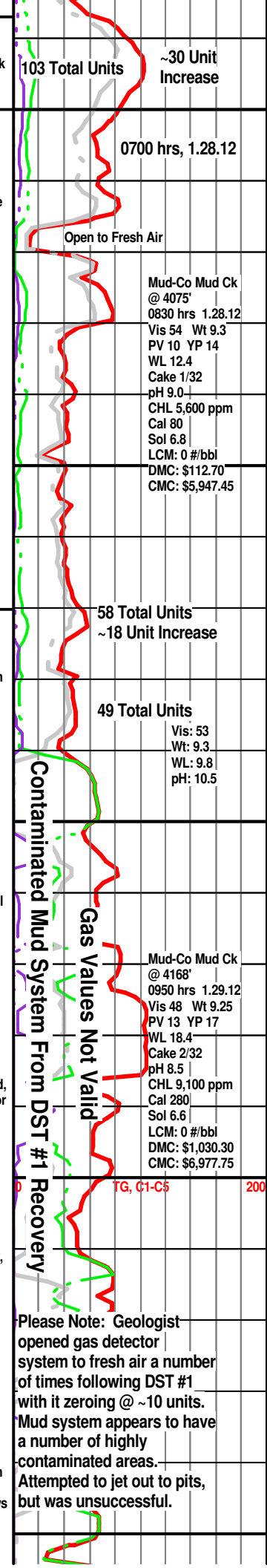


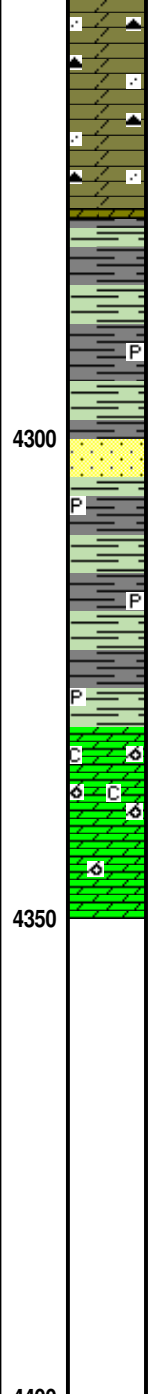
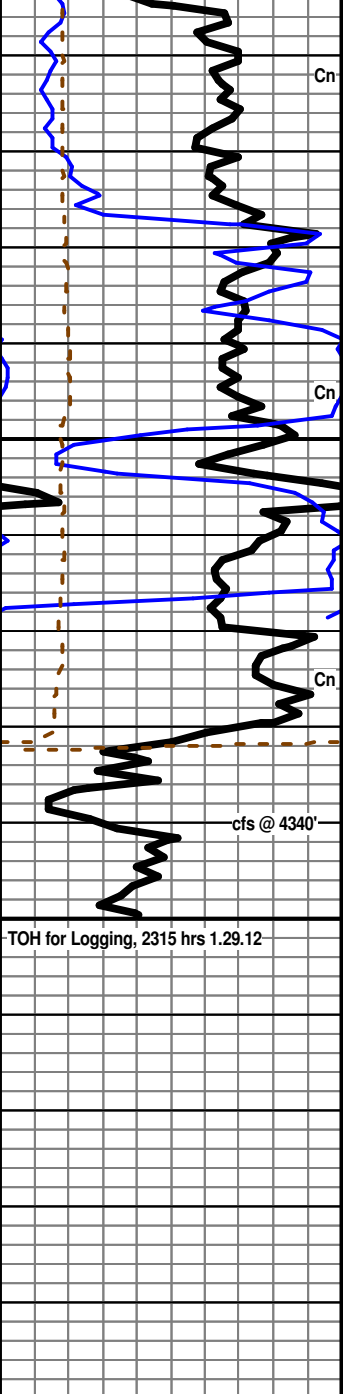


Mississippian 4037 (-2077)
4056' cfs 0°/15°/30°/45° - Chert: trace cream, fresh and sharp, with Chert: It cream tan, weathered to tripolitic, trace spiculitic, poor-fair visible porosity, scattered saturated stain along edges with good saturated stain in tripolitic, some dead staining, poor-fair show brown oil and gas bubbles upon break in tripolitic material, spotty bright yellow fluorescence, fair forced bluish-white cut fluorescence, very faint odor.

Kinderhook 4050 (-2090)
Shale: gray dk gray dk green purple, blocky to rounded, mostly hard.
Shale: gray dk gray dk green brown purple, blocky to rounded, hard to soft with some mushy, sample washes brown.
Shale: gray dk gray dk green brown purple, blocky to rounded, hard to soft with some mushy, pyritic in part, influx of sandy material, with scattered Chert: white bone white It cream, fresh and sharp, no shows noted, sample washes brown.
Shale: gray dk gray dk green some brown, mostly rounded soft and mushy with some scattered hard and blocky, pyritic in part, continued sandy material, with scattered Chert: white bone white It cream, fresh and sharp, sample washes brown.

Viola 4120 (-2160)
4130' cfs 20°/40°/60° - Dolomite: It cream off white, dense cherty matrix, fxln with some scattered coarse xln, good rhombic development in most, barren, fair-good interxln/rhombic/vug porosity, even saturated stain, fair show It golden brown oil droplets and gas bubbles from porosity with fair-good increase upon break, even bright It yellow fluorescence, streaming milky-white cut fluorescence upon break, with Chert: off white, fresh and sharp, fair edge staining, slight show oil, faint odor.
4141' cfs 40°/60° - Dolomite: as above, continued good rhombic dev/porosity and shows, with Chert: off white It cream, fresh and sharp with fair amount of edge weathering, saturated stain and poor-fair show oil upon break in weathered, even bright It yellow fluorescence, good milky-white cut fluorescence, fair gassy odor.
4168' cfs 0° - Dolomite and Chert as above, overall continued shows as above, no real change in Dolomite facies, some Chert becoming tripolitic in part.
4168' cfs 20° - Dolomite: It cream off white It gray, dense cherty matrix, vf-fxln, very xln with some poor rhombic development, limey and chalky in part, barren, fair-poor interxln porosity, very poor show It brown oil upon break in few pieces, very poor-no fluorescence, no cut fluorescence, faint odor.
4168' 40°/60° - Dolomite: It tan It gray, friable matrix, vf-fxln, good sucrosic to sub-rhombic development, fair-good interxln/sucrosic porosity, good saturated stain in most, fair show It brown oil and gas from porosity with fair-good increase upon break, even bright It yellow fluorescence, good bluish-white cut fluorescence, fair gassy odor, with scattered Chert: white, mostly fresh and sharp, and influx Chalk.
Dolomite: It cream off white It gray, dense cherty matrix, vf-fxln, limey and chalky in part, barren, fair-poor interxln porosity, very poor show It brown oil upon break in few pieces, very poor-no fluorescence, no cut fluorescence, faint gassy odor, with scattered Chert as above.
Chert: off white bone white It cream, mostly fresh and sharp with some scattered edge weathering, limey, no visible porosity, very poor staining in some of the edge weathering, no live shows, poor edge fluorescence, no cut fluorescence, faint odor.
Limestone: It cream It gray, dense cherty matrix, vfxln, barren, poor interxln porosity, no shows noted, no fluorescence, no cut fluorescence, with Chert: bone white, mostly fresh and sharp, few pieces poor edge weathering, no live shows, associated It yellow fluorescence with weathered pieces, no cut fluorescence, faint gassy odor.
Limestone: off white It cream, dense chalky matrix, micro-vfxln, some slightly cherty, poor visible porosity, no shows noted, poor dull pale yellow-no mineral fluorescence, no cut fluorescence, no odor, with scattered Chert: mostly bone white, fresh and sharp, and scattered loose chalky material, sample washes white.
Limestone: off white It cream It gray, dense chalky to cherty matrix, micro-vfxln, poor visible porosity, no shows noted, no fluorescence, no cut fluorescence, very faint gassy odor, with continued Chert and loose Chalk as above.
INFLUX Dolomite: It brown gray, dense matrix, vf-microxln, poor rhombic development, poor interxln porosity, no shows noted, no fluorescence, no cut fluorescence, with INFLUX Chert: brown tan speckled, opaque, fresh and sharp, no shows noted, no fluorescence, no odor.
Dolomite: It brown brown dk gray, dense to softer friable matrix, vf-microxln, poor xln development in most, arenaceous in part, poor interxln porosity, no shows noted, no fluorescence, no cut fluorescence, with continued abundant Chert: brown tan speckled, opaque, fresh and sharp, no shows noted, no fluorescence, no odor.





Dolomite: brown lt brown dk gray, dense matrix, vfxln, fair xln development in most, arenaceous in part, poor interxln porosity, no shows noted, no fluorescence, no cut fluorescence, with continued abundant Chert as above, no odor.

Dolomite: brown lt brown dk gray, dense matrix, vfxln, fair xln development in most, arenaceous in part, poor interxln porosity, no shows noted, no fluorescence, with continued abundant Chert: dk brown dk gray tan speckled, opaque, fresh and sharp, no shows noted, no fluorescence, no odor.

Simpson 4277 (-2317)

Shale: gray dk gray some teal green, blocky and hard, fissile in part.

Shale: gray dk gray teal green, blocky and hard, fissile in part, some pyritic.

Sandstone: clear gray silica grains in gray white matrix, f-coarse grained, angular, poorly sorted, well cemented, heavily micaceous dirty blocky clusters, poor-no visible intergranular porosity, no shows noted, no fluorescence.

Shale: gray dk gray teal green, blocky and hard, fissile in part, some pyritic.

Shale: gray dk gray teal green, blocky and hard, fissile in part, some pyritic.

Arbuckle 4330 (-2370)

4340' cfs 40"/60" - Dolomite: cream lt tan, dense matrix, vf-fxln, fair sub-rhombic development, very good oomoldic development with small-large, good oomoldic/vuggy porosity with abundant 2ndary xln in porosity, some chalk fill, no shows noted, even lt pale yellow mineral fluorescence, no cut fluorescence, no odor.

4350' cfs 30"/60" - Dolomite: off white lt cream, mostly dense matrix, vf-fxln, poor xln development, scattered sub-oomoldic material and vugs, overall fair-poor oomoldic/vuggy porosity, no shows noted, even lt pale yellow mineral fluorescence, no cut fluorescence, no odor.

RTD 4350 (-2390)
LTD 4349 (-2389)

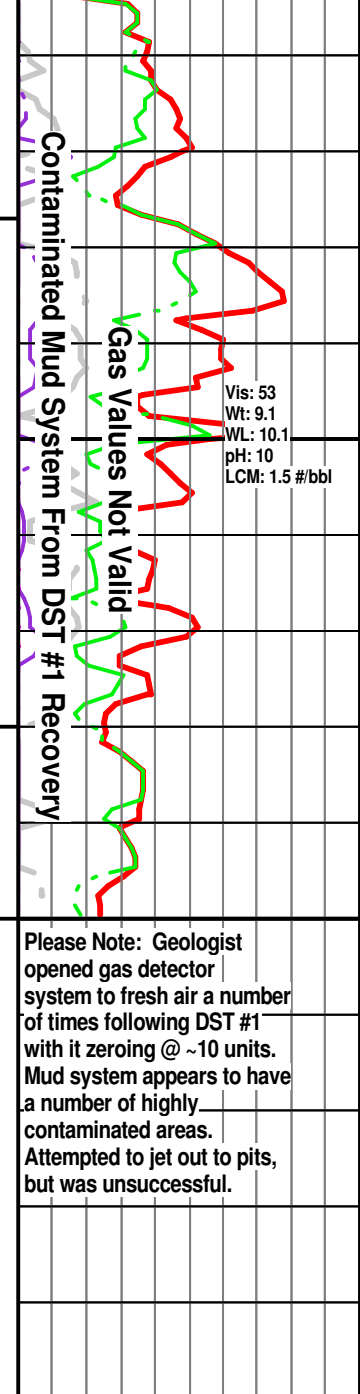
Rotary TD @ 4350', 2120 hrs 1.29.12

Superior Well Services Open Hole Logging TD @ 4349'

Orders Received to Plug & Abandon Well

Geologist Derek W. Patterson off location, 0600 hrs 1.30.12

Respectfully Submitted,
Derek W. Patterson



Please Note: Geologist opened gas detector system to fresh air a number of times following DST #1 with it zeroing @ ~10 units. Mud system appears to have a number of highly contaminated areas. Attempted to jet out to pits, but was unsuccessful.

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

April 26, 2012

David G. Withrow
Edison Operating Company LLC
9427 E. Cross Creek
WICHITA, KS 67206

Re: ACO1
API 15-185-23733-00-00
Curtis 1-2
SW/4 Sec.02-25S-14W
Stafford County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
David G. Withrow