



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1085205
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: _____



1085205

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> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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DRILL STEM TEST REPORT

Prepared For: **TDI, Inc.**

1310 Bison Road
Hays, KS 67601

ATTN: Herb Deines

Stackhouse #1

18-12s-18w Ellis,KS

Start Date: 2012.05.31 @ 15:52:24

End Date: 2012.05.31 @ 22:05:39

Job Ticket #: 47803 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.06.04 @ 15:37:27

TDI, Inc. 18-12s-18w Ellis,KS Stackhouse #1 DST # 1 C-F 2012.05.31



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

TDI, Inc.
 1310 Bison Road
 Hays, KS 67601
 ATTN: Herb Deines

18-12s-18w Ellis, KS
Stackhouse #1
 Job Ticket: 47803 **DST#: 1**
 Test Start: 2012.05.31 @ 15:52:24

GENERAL INFORMATION:

Formation: **C-F**
 Deviated: No Whipstock: 0.00 ft (KB)
 Time Tool Opened: 17:37:09
 Time Test Ended: 22:05:39
 Interval: **3540.00 ft (KB) To 3611.00 ft (KB) (TVD)**
 Total Depth: 3611.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jason McLemore
 Unit No: 54
 Reference Elevations: 2229.00 ft (KB)
 2222.00 ft (CF)
 KB to GR/CF: 7.00 ft

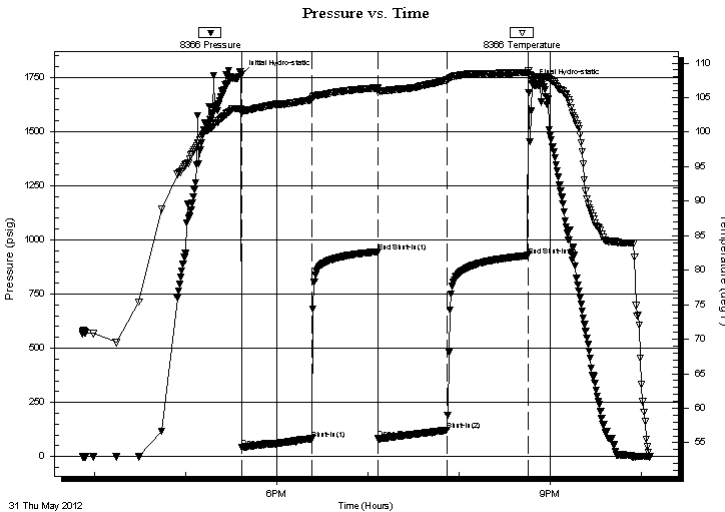
Serial #: 8366

Inside

Press @ Run Depth: 121.80 psig @ 3608.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.05.31 End Date: 2012.05.31 Last Calib.: 2012.05.31
 Start Time: 15:52:26 End Time: 22:05:39 Time On Btm: 2012.05.31 @ 17:36:39
 Time Off Btm: 2012.05.31 @ 20:47:39

TEST COMMENT: IFP-Slid 10' Plugging Action, Built to 2 1/2"
 ISI-Dead
 FFP-Weak Blow, Built to 3 1/4"
 FSI-Dead

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1764.03	103.30	Initial Hydro-static
1	41.87	102.85	Open To Flow (1)
47	81.65	104.77	Shut-In(1)
90	945.42	106.39	End Shut-In(1)
90	82.96	105.78	Open To Flow (2)
136	121.80	107.57	Shut-In(2)
189	927.74	108.62	End Shut-In(2)
191	1721.36	108.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
187.00	Drilling Mud	2.62

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TDI, Inc.
1310 Bison Road
Hays, KS 67601
ATTN: Herb Deines

18-12s-18w Ellis,KS
Stackhouse #1
Job Ticket: 47803 **DST#: 1**
Test Start: 2012.05.31 @ 15:52:24

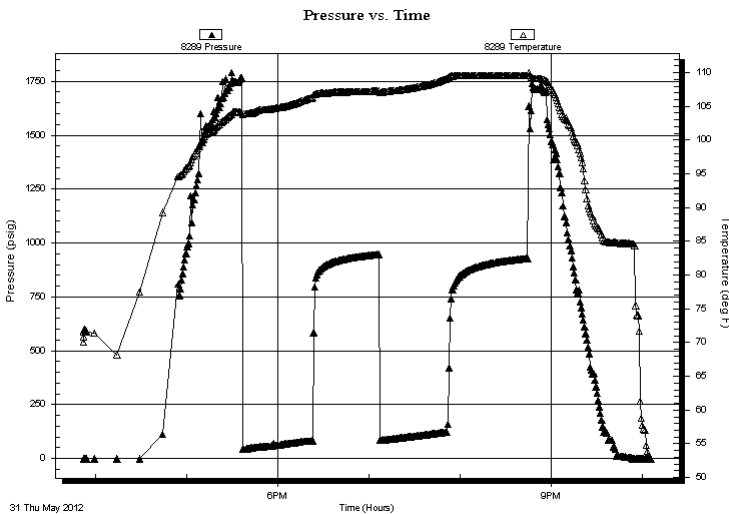
GENERAL INFORMATION:

Formation: **C-F**
Deviated: No Whipstock: 0.00 ft (KB)
Time Tool Opened: 17:37:09
Time Test Ended: 22:05:39
Interval: **3540.00 ft (KB) To 3611.00 ft (KB) (TVD)**
Total Depth: 3611.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Initial)
Tester: Jason McLemore
Unit No: 54
Reference Elevations: 2229.00 ft (KB)
2222.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8289 Outside

Press @ Run Depth: psig @ 3608.00 ft (KB)
Start Date: 2012.05.31 End Date: 2012.05.31
Start Time: 15:52:11 End Time: 22:05:54
Capacity: 8000.00 psig
Last Calib.: 2012.05.31
Time On Btm:
Time Off Btm:

TEST COMMENT: IFP-Slid 10' Plugging Action, Built to 2 1/2"
ISI-Dead
FFP-Weak Blow, Built to 3 1/4"
FSI-Dead



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
187.00	Drilling Mud	2.62

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

TDI, Inc.
1310 Bison Road
Hays, KS 67601
ATTN: Herb Deines

18-12s-18w Ellis,KS
Stackhouse #1
Job Ticket: 47803 **DST#: 1**
Test Start: 2012.05.31 @ 15:52:24

Tool Information

Drill Pipe:	Length: 3549.00 ft	Diameter: 3.80 inches	Volume: 49.78 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	60000.00 lb
			<u>Total Volume: 49.78 bbl</u>	Tool Chased	10.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	35000.00 lb
Depth to Top Packer:	3540.00 ft			Final	35000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	71.00 ft				
Tool Length:	92.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3520.00	
Shut In Tool	5.00			3525.00	
Hydraulic tool	5.00			3530.00	
Packer	5.00			3535.00	21.00 Bottom Of Top Packer
Packer	5.00			3540.00	
Stubb	1.00			3541.00	
Perforations	3.00			3544.00	
Change Over Sub	1.00			3545.00	
Blank Spacing	62.00			3607.00	
Change Over Sub	1.00			3608.00	
Recorder	0.00	8366	Inside	3608.00	
Recorder	0.00	8289	Outside	3608.00	
Bullnose	3.00			3611.00	71.00 Bottom Packers & Anchor

Total Tool Length: 92.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

TDI, Inc.

18-12s-18w Ellis,KS

1310 Bison Road
Hays, KS 67601

Stackhouse #1

Job Ticket: 47803

DST#: 1

ATTN: Herb Deines

Test Start: 2012.05.31 @ 15:52:24

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: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
187.00	Drilling Mud	2.623

Total Length: 187.00 ft Total Volume: 2.623 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

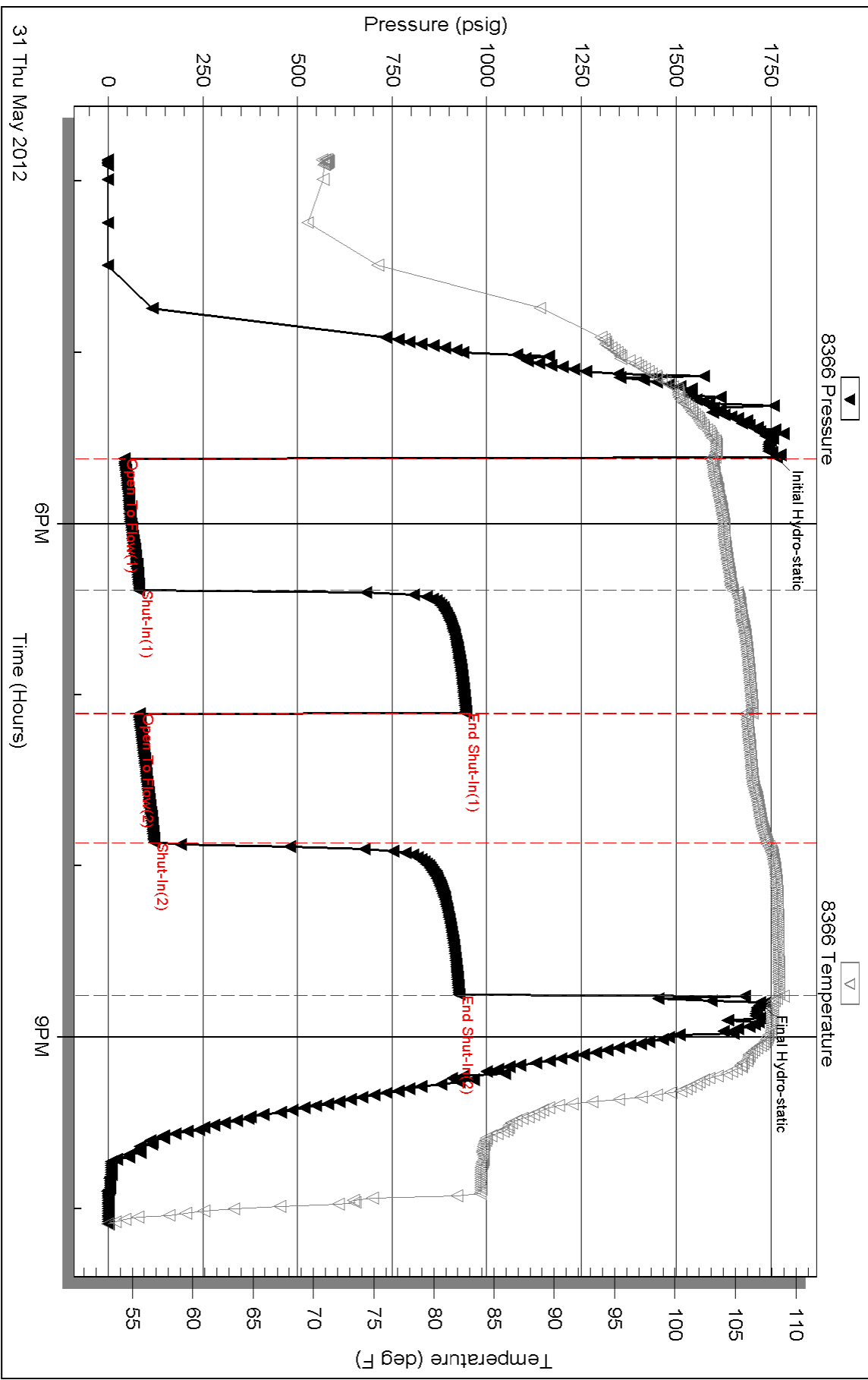
Serial #:

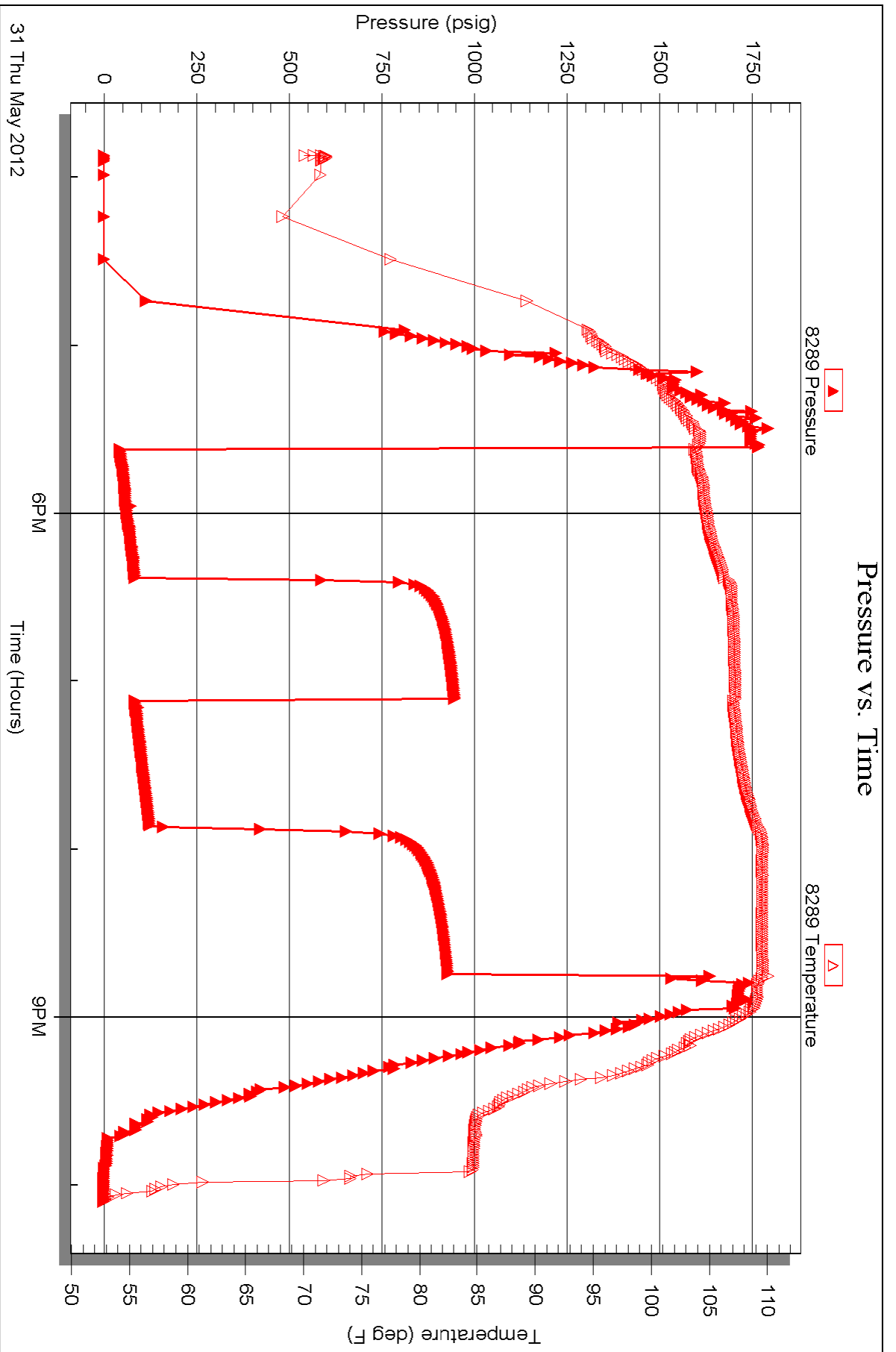
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time







TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47803

Well Name & No. Stackhouse #1 Test No. 1 Date 5-31-12
 Company TDI, Inc. Elevation 2229 KB 2222 GL
 Address 1300 Bison Road, Hays, KS. 67601
 Co. Rep / Geo. Herb Deines Rig Southwind #1
 Location: Sec. 18 Twp. 12s Rge. 18w Co. Ellis State KS

Interval Tested 3540 - 3611 Zone Tested G0-E-F
 Anchor Length 71' Drill Pipe Run 3549 Mud Wt. 9.1
 Top Packer Depth 3535 Drill Collars Run 0 Vis 79
 Bottom Packer Depth 3540 Wt. Pipe Run 0 WL 6.8
 Total Depth 3611 Chlorides 1800 ppm System LCM 1#
 Blow Description IFP - Plugging Action, Slid 10", Built to 2 1/2"
ISI - Dead
FFP - Weak Blow, Built Steady to 3 1/4"
FSI - Dead

Rec	Feet of	%gas	%oil	%water	%mud
<u>187</u>	<u>Drilling Mud</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 187 BHT _____ Gravity _____ API RW _____ @ _____ ° F Chlorides _____ ppm

(A) Initial Hydrostatic 1764 Test 1150 T-On Location 14:08
 (B) First Initial Flow 42 Jars _____ T-Started 15:50
 (C) First Final Flow 82 Safety Joint _____ T-Open 17:37
 (D) Initial Shut-In 945 Circ Sub _____ T-Pulled 20:37
 (E) Second Initial Flow 83 Hourly Standby _____ T-Out 22:04
 (F) Second Final Flow 122 Mileage 22 rt 34.10 Comments _____
 (G) Final Shut-In 928 Sampler _____
 (H) Final Hydrostatic 1721 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 45 Extra Recorder _____ Sub Total 0
 Initial Shut-In 45 Day Standby _____ Total 1184.10
 Final Flow 45 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 45 Sub Total 1184.10

Approved By _____ Our Representative Jason McJannet

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.

Thank You

OPERATOR

Company: TDI, INC
 Address: 1310 BISON ROAD
 HAYS, KANSAS 67601

Contact Geologist: TOM DENNING
 Contact Phone Nbr: 785 259-3141
 Well Name: STACKHOUSE # 1
 Location: NE SE SW NE
 Pool: WILDCAT
 State: KANSAS

API: 15-051-26,288-00-00
 Field: WILDCAT
 Country: USA



TDI, Inc.
 1310 BISON ROAD
 HAYS, KANSAS 67601
 (785) 628-2593

Scale 1:240 Imperial

Well Name: STACKHOUSE # 1
 Surface Location: NE SE SW NE
 Bottom Location:
 API: 15-051-26,288-00-00
 License Number: 4787
 Spud Date: 5/24/2012 Time: 2:00 PM
 Region: ELLIS COUNTY Time: 2:10 PM
 Drilling Completed: 6/1/2012
 Surface Coordinates: 1995' FNL & 1575' FEL
 Bottom Hole Coordinates:
 Ground Elevation: 2219.00ft
 K.B. Elevation: 2229.00ft
 Logged Interval: 0.00ft To: 0.00ft
 Total Depth: 3845.00ft
 Formation: LANSING-KANSAS CITY
 Drilling Fluid Type: Chemical/Fresh Water Gel

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude: Latitude:
 N/S Co-ord: 1995' FNL
 E/W Co-ord: 1575' FEL

LOGGED BY

Company: SOLUTIONS CONSULTING
 Address: 108 W 35TH
 HAYS, KS 67601
 Phone Nbr: (785) 639-1337
 Logged By: Geologist Name: HERB DEINES

CONTRACTOR

Contractor: SOUTHWIND DRILLING INC.
 Rig #: 1
 Rig Type: MUD ROTARY
 Spud Date: 5/24/2012 Time: 2:00 PM
 TD Date: 6/1/2012 Time: 2:10 PM
 Rig Release: 6/1/2012 Time: 11:30 PM

ELEVATIONS

K.B. Elevation: 2229.00ft Ground Elevation: 2219.00ft
 K.B. to Ground: 10.00ft

NOTES

RECOMMENDATION TO PLUG AND ABANDON WELL DUE TO LOW STRUCTURE TO OFFSET DRY HOLE AND NEGATIVE RESULTS OF DST # 1. TRACES OF FLAKEY GILSONITE WERE NOTED IN THE CONGLOMERATE SECTION WITH NO FREE OIL OR ODOR. ARBUCKLE TOO LOW TO PRODUCE WITH DECISION TO ABANDON TEST IN THE CONGLOMERATE. NO OPEN HOLE LOGS WERE RAN ON THE WELL.


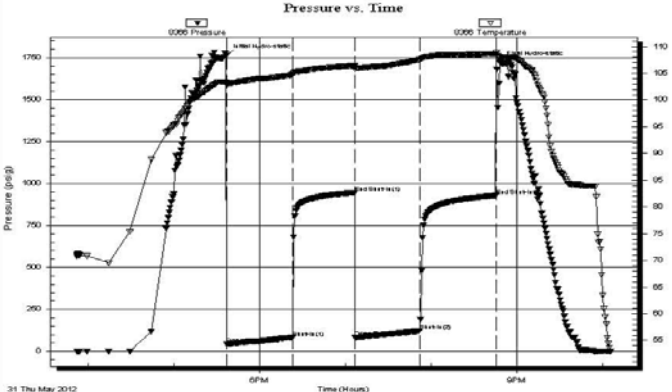
FORMATION TOPS SUMMARY AND DAILY ACTIVITY SUMMARY

STACKHOUSE #1
 NE SE SW NE
 Sec.18-12s-18w
 2219' GL 2229' KB

FORMATION	SAMPLE TOPS
Anhydrite	1531+ 698
B-Anhydrite	1565+ 664
Topeka	3240-1011
Heebner Shale	3473-1244
Toronto	3500-1271
LKC	3522-1293
BKC	3759-1530
RTD	3845-1616

- 5-24-12 RU, Spud, set surface casing to 213.92' w/150 sxs. Common, 2%gel, 3%CC, Slope survey 0 degree, WOC 8 hrs. Plug down 6:45PM.
- 5-25-12 214' rig down for holiday
- 5-26-12 214' rig down for holiday
- 5-27-12 214' finish surface work and drill plug
- 5-28-12 538' drilling
- 5-29-12 2140' drilling
- 5-30-12 2945' drilling, displace 2861'-2875'
- 5-31-12 3540', DST # 1, slope survey ½ degree
- 6-01-12 3710', drilling, RTD 2:10 PM, plug and abandon test

DST # 1 SUMMARY PAGE

 <p>TRILOBITE TESTING, INC.</p>	DRILL STEM TEST REPORT																																						
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Length (ft)	Description	Volume (bbl)																																					
187.00	Drilling Mud	2.62																																					
	Choke (inches)	Pressure (psig)	Gas Rate (Mc/d)																																				

DST # 1 EXPANDED TEST CHART

Serial #: 8366

Inside TDI, Inc.

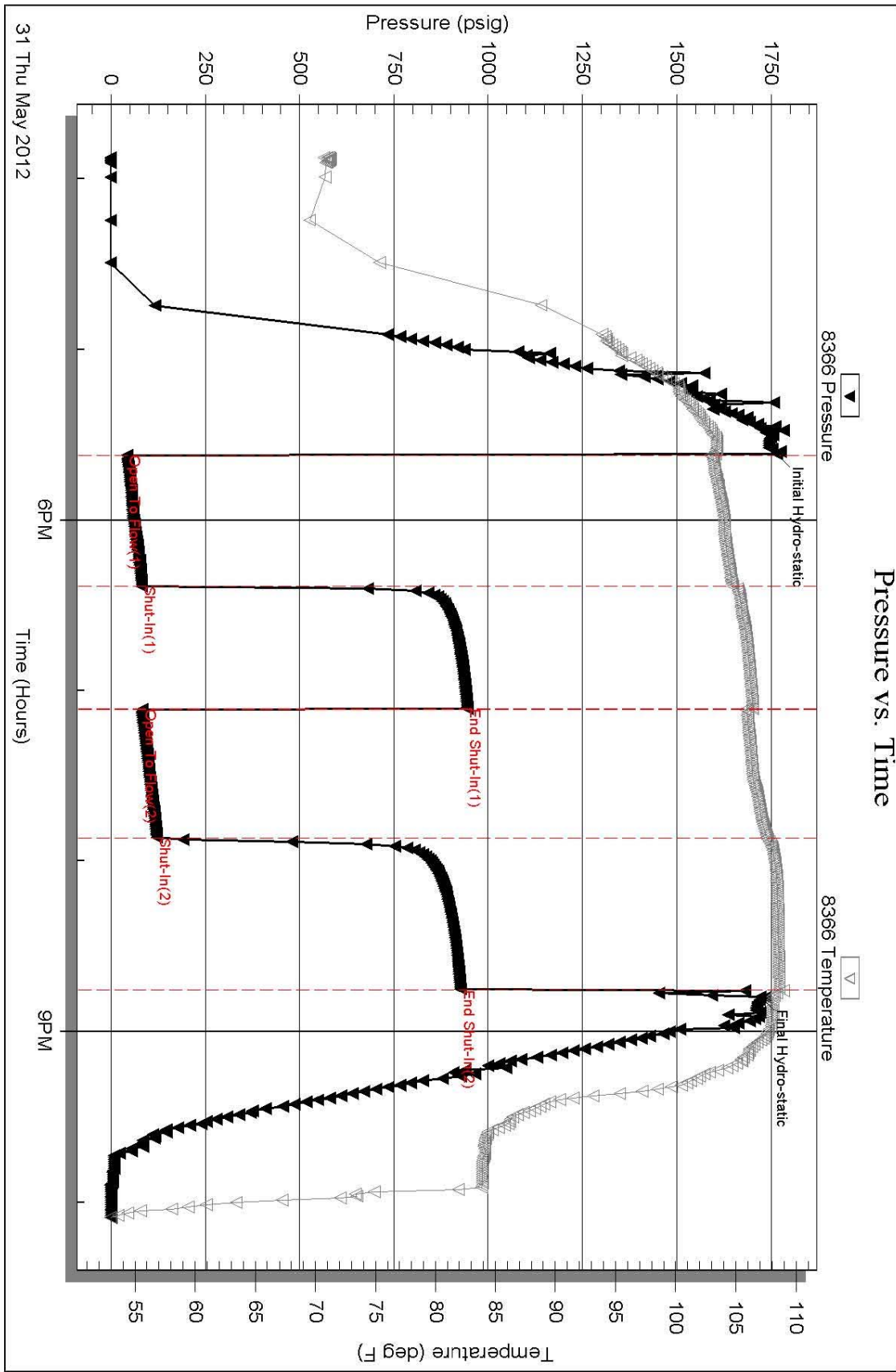
Stackhouse #1

DST Test Number: 1

Triobite Testing, Inc

Ref. No: 47803

Printed: 2012.06.01 @ 08:24:36



ROCK TYPES

- | | | | |
|-----------|------------|------------|---------|
| Congl | Lmst fw7> | shale, gry | Shgy |
| Chtcongl | Lscongl | Carbon Sh | Cht brn |
| Lmst fw<7 | shale, grn | shale, red | |

ACCESSORIES

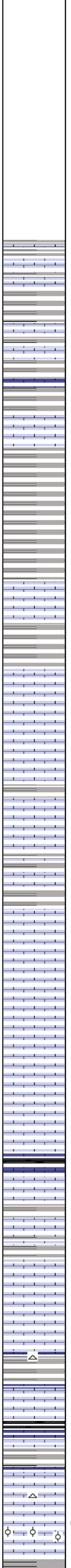
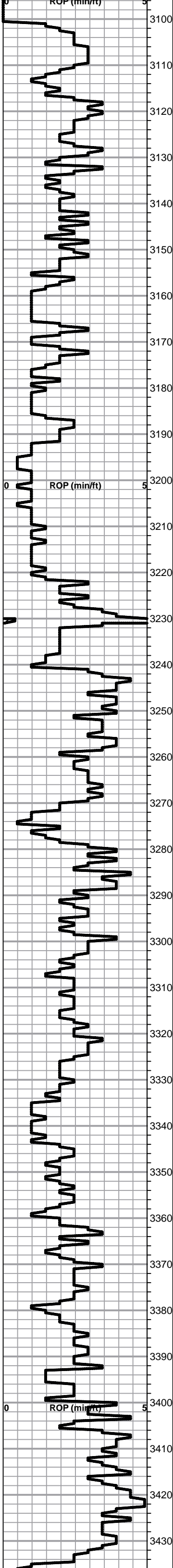
- | | |
|-----------------------|---------------|
| MINERAL | FOSSIL |
| ■ Carbonaceous Flakes | φ Oolite |
| P Pyrite | |
| ⋄ Varicolored chert | |
| △ Chert White | |

OTHER SYMBOLS

- DST**
- DST Int
 - DST alt

Printed by GEOstrip VC Striplog version 4.0.7.0 (www.grsi.ca)

Curve Track #1 ROP (min/ft)	Curve Track #3
Depth Intervals	Geological Descriptions
Cored Interval DST Interval	
DST	
Lithology	
Oil Show	
1:240 Imperial	1:240 Imperial



BEGIN 1' DRILL TIME FROM 3100'-RTD
 BEGIN 10' WET AND DRY SAMPLES FROM 3200' TO RTD

ANHYDRITE TOP SPL. 1531+698
ANHYDRITE BASE SPL. 1565+664

8 5/8" set to 213.92' with
 150 sxs. common, 2%
 gel, 3% CC
 Slope 0 degrees

DISPLACE 2861'-2875'

Lime, med brn-gray, fnxln
 Shale, gray, soft

Lime, med brn-grayish brn, fnxln

Lime, med brn with gray mottling, fnxln

Shale, lt-med gray, soft forming mud balls in lower section

Lime, lt-med brn, fnxln with gray mottling in part

TOPEKA SPL. 3240-1011

Lime, lt brn-grayish brn, fnxln-granular in part, slightly fossiliferous

Lime, lt-med brn, fnxln, slightly fossiliferous

Lime, lt-med brn, fnxln-granular, slightly fossiliferous-fusulinids

Lime, lt brn-lt grayish brn, fnxln

Lime, lt-med brn, fnxln

Lime, med brn-grayish brn, fnxln-granular, slight chalk

Lime, lt gray-grayish brn, fnxln

Lime, brn-gray, fnxln-granular

Shale, black carbonaceous, black chert

Lime, crm-lt brn, fn-vfxln

Lime, crm-lt -med brn, fnxln-granular

Lime, crm-lt-med brn, fnxln-granular in part

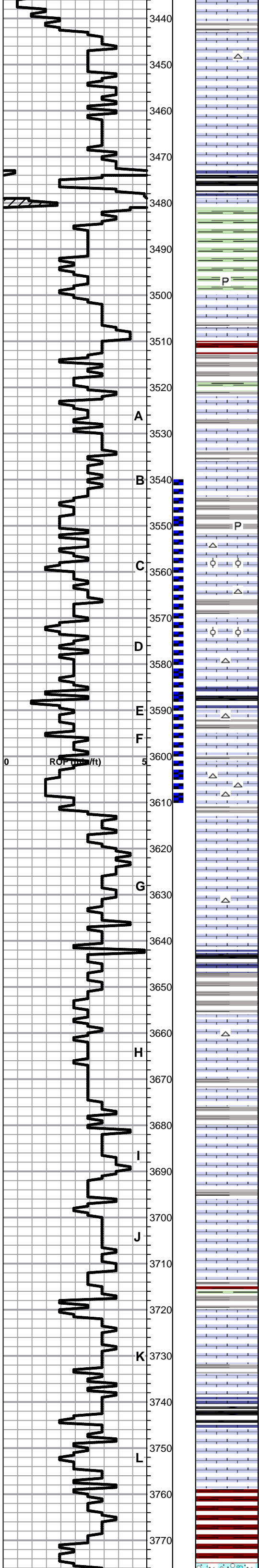
Lime, crm-med brn, fnxln with some gray, fnxln, trashy lime in part

Lime, lt brn, fnxln grading into lt gray lime, fnxln

Shale, gray-black carbonaceous

Lime, brn-brnish gray, fnxln

Lime, crm-lt brn, fnxln with firm bedded chalk. Oolitic in part with scattered dark stain, NFO, No Odor. Zone should be perforated and tested in high wells located on closures.



Lime, crm-tan, fnxln with bedded chalk with some gray-brn, trashy mix

Lime, crm-tan, fnxln with chalk

Lime, off wht-crm-tan, fnxln with chalk

HEEBNER SHALE SPL. 3473-1244

Shale, black carbonaceous, fissile
Lime, brn, vfxln

Shale, grayish green, soft blocky, pyritic

TORONTO SPL. 3500-1271

Lime, crm-tan, fn-vfxln, NS

Shale, red with light red wash, lime green and lt gray mud balls

LKC SPL. 3522-1293

Lime, lt brn-grayish brn, fn-vfxln, slightly fossiliferous, NS

Lime, crm-lt tan, fnxln with chalk, very clean appearance, NS

Shale, med gray, fissile, pyritic clusters

Lime, crm-tan, mostly fnxln with scattered well cemented oolitic material in part with bedded chalk, NS

Lime, crm, mostly fnxln with scattered oolitic material with light scattered staining, VLT Odor with trace free oil

Shale, gray-black carbonaceous
Lime, med brn, fn-vfxln

Lime, crm-tan, mostly fnxln with bedded chalk, NS

Lime, crm-tan, fn-vfxln, slightly chalky with fair amount of chert, NS

Lime, crm-lt brn, fnxln

Lime, crm-lt brn, fnxln with bedded chalk

Lime, crm-tan, fnxln with chalk

Shale, gray-black carbonaceous
Lime, brn, fnxln

Shale, gray-grayish green, soft blocky

Lime, lt brn, fn-vfxln, slightly chalky in part, NS

Lime, lt gray-lt brn, fn-vfxln, slightly chalky in part, NS

Lime, lt brn, cryptocrystalline with slight chalkiness, NS

Lime, crm-lt brn, fn-cryptocrystalline, bedded chalk in part, NS

Shale, red, green, gray forming soft mud balls in part

Lime, lt-brn, fn-vfxln, with bedded chalk in part, NS

Lime, lt-med brn, fn-vfxln
Shale, gray-black carbonaceous

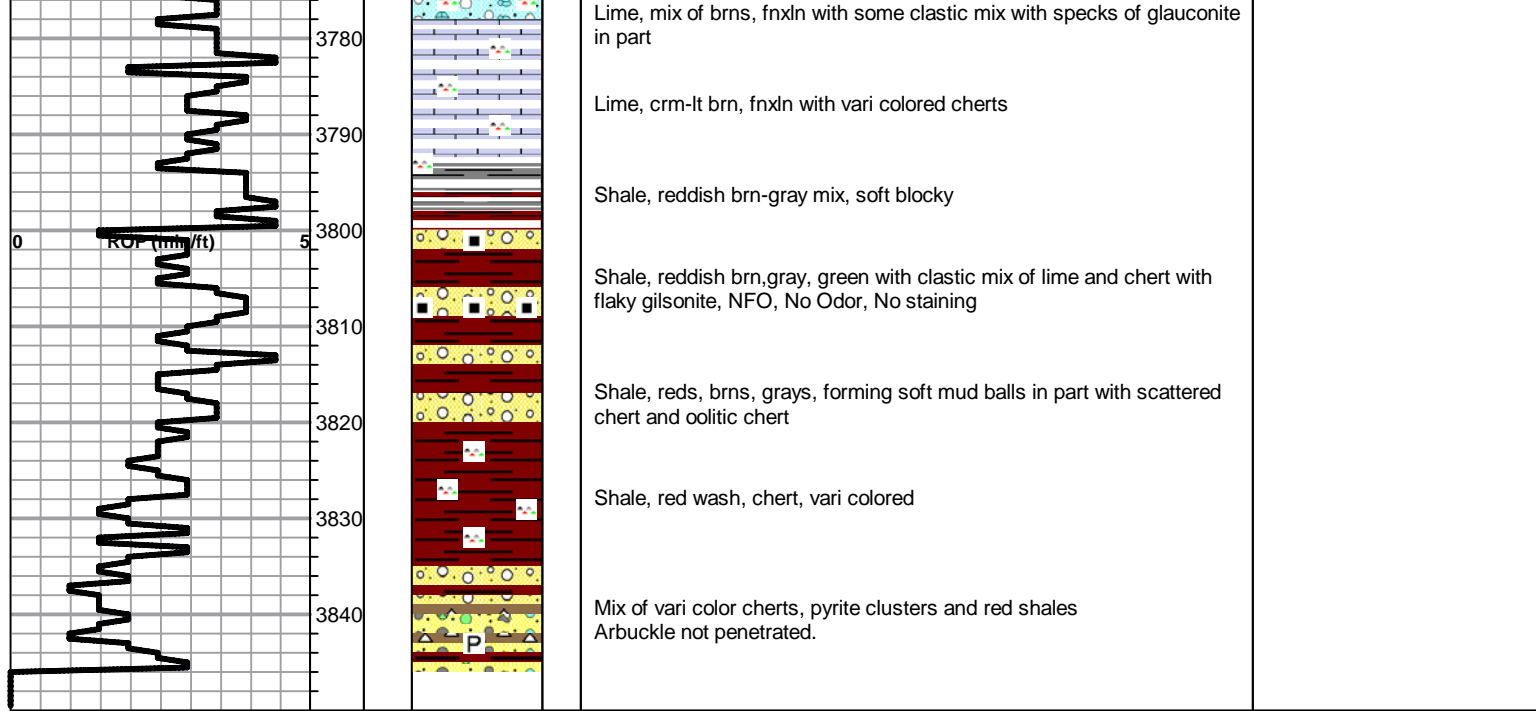
Lime, crm-med brn, fn-vfxln with bedded chalk in part, NS

BKC 3759-1530

Shale, reddish brn with lt red wash

DST # 1 3540'-3611'
45-45-45-45
REC: 187' Drlg mud
ISIP: 945#
FSIP: 928#
FP: 42-82, 83-122
BHT: 108 Degrees
Tool slide 9'
1st Open: Built 2.5"
No blow back
2nd Open: Wk-3.25"
No blow back

SLOPE 1/2 Degree



QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 398

Date	5-24-12	Sec.	18	Twp.	12	Range	18	County	ELLIS	State	KANSAS	On Location		Finish	
Lease	STACKHOUSE			Well No.	#1			Location	HAYS-NTD BUCKEYE RD-2W-1/2N W1010						
Contractor	SOUTHWIND #1							Owner	T.D.I						
Type Job	SURFACE							To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Hole Size	1 3/4"			T.D.	216'			Charge To	T.D.I						
Csg.	8 7/8"			Depth				Street	1310 BISON RD.						
Tbg. Size				Depth				City	HAYS			State	KANSAS, 67601		
Tool				Depth				The above was done to satisfaction and supervision of owner agent or contractor.							
Cement Left in Csg.				Shoe Joint	15'			Cement Amount Ordered	150com - 3cc - 2 GEL						
Meas Line				Displace	12 3/4'										

EQUIPMENT

Pumptrk #15	No.	Cementer	NECK	Common	150
Bulktrk #12	No.	Driver	DOUG	Poz. Mix	
Bulktrk PU	No.	Driver	SIEVE	Gel.	3
		Driver	CISCO	Calcium	5

JOB SERVICES & REMARKS

Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
	Sand
	Handling 158
	Mileage

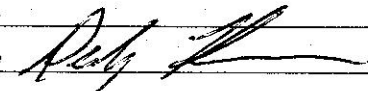
FLOAT EQUIPMENT

CEMENT DID CIRCULATE	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down

THANK YOU!

Pumptrk Charge	SURFACE
Mileage	8

	Tax
	Discount
	Total Charge

X Signature 

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025

Home Office P.O. Box 32 Russell, KS 67665

No. 675

Cell 785-324-1041

Date	Sec.	Twp.	Range	County	State	On Location	Finish
6-1-12	18	12	18	Ellis	KS		8:45p.m.
Lease	Stack House	Well No.	1	Location	Nays v Backeye Rd 2as 1/2 v Winto		
Contractor	Southwind #1			Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.		
Type Job	Rotary Plug			Hole Size	7 7/8	T.D.	3845
Csg.				Depth			
Tbg. Size				Depth			
Tool				Depth			
Cement Left in Csg.				Shoe Joint			
Meas Line				Displace	Cement Amount Ordered 220 6 1/4 4 1/2 1 1/4 #F10		

EQUIPMENT

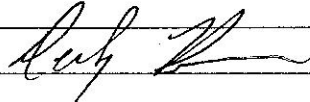
Pumptrk	5	No.	Cement Helper	Craig	Common	SE
Bulktrk		No.	Driver	Brett	Poz. Mix	SE
Bulktrk	8	No.	Driver	Cody	Gel.	SE

JOB SERVICES & REMARKS

Remarks:	Calcium
Rat Hole 30SK	Hulls
Mouse Hole 15SK	Salt
Centralizers	Flowseal 507
Baskets	Kol-Seal
D/V or Port Collar	Mud CLR 48
1st 1550 25SK	CFL-117 or CD110 CAF 38
2nd 875 100SK	Sand
3rd 275 40SK	Handling 238
4th 40' 10SK	Mileage

FLOAT EQUIPMENT

	Guide Shoe
	Centralizer 8 5/8 wooden Plug
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down
	Pumptrk Charge Plug
	Mileage 8

Signature		Tax
		Discount
		Total Charge

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

June 20, 2012

Tom Denning
TDI, Inc.
1310 BISON RD
HAYS, KS 67601-9696

Re: ACO1
API 15-051-26288-00-00
Stackhouse 1
NE/4 Sec.18-12S-18W
Ellis 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,
Tom Denning