



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1094271
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: _____

1094271

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
--	---

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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DRILL STEM TEST REPORT

Prepared For: **TDI,Inc.**

1310 Bison Rd
Hays KS 67601

ATTN: Herb Deines

Rohr-Schmeidler #1

32-14s-18w Ellis,KS

Start Date: 2012.06.29 @ 06:00:00

End Date: 2012.06.29 @ 15:53:30

Job Ticket #: 49264 DST #: 1

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

Printed: 2012.07.06 @ 09:17:05



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

32-14s-18w Ellis, KS
Rohr-Schmeidler #1
 Job Ticket: 49264 **DST#: 1**
 Test Start: 2012.06.29 @ 06:00:00

GENERAL INFORMATION:

Formation: **KC" A-D"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:47:00
 Time Test Ended: 15:53:30
 Interval: **3304.00 ft (KB) To 3380.00 ft (KB) (TVD)**
 Total Depth: 3380.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition:
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Brett Dickinson
 Unit No: 59
 Reference Elevations: 2049.00 ft (KB)
 2041.00 ft (CF)
 KB to GR/CF: 8.00 ft

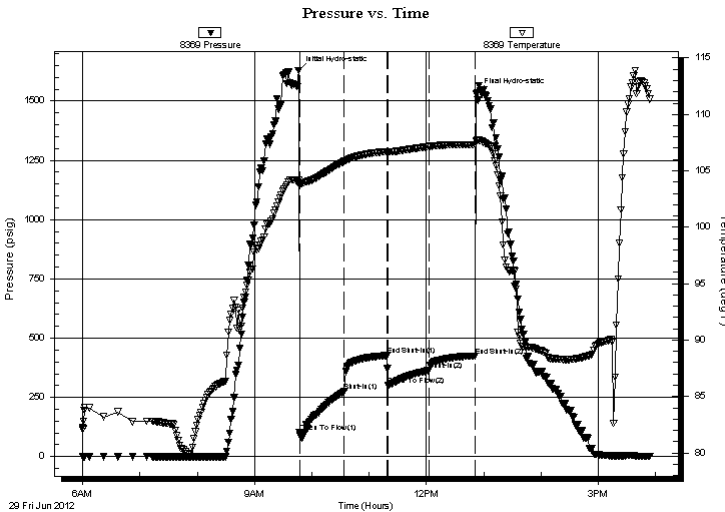
Serial #: 8369

Inside

Press @ Run Depth: 364.94 psig @ 3305.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.06.29 End Date: 2012.06.29 Last Calib.: 2012.06.29
 Start Time: 06:00:05 End Time: 15:53:30 Time On Btm: 2012.06.29 @ 09:46:00
 Time Off Btm: 2012.06.29 @ 12:53:00

TEST COMMENT: IF-BOB in 9 min died back to 3" slid 15' to bottom
 ISI-BOB in 10.5 min
 FF-BOB in 5.5 min
 FSI-BOB in 35 min died back to 11"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1629.24	104.16	Initial Hydro-static
1	104.16	103.66	Open To Flow (1)
48	277.17	105.83	Shut-In(1)
93	426.79	106.71	End Shut-In(1)
94	300.09	106.68	Open To Flow (2)
137	364.94	107.15	Shut-In(2)
185	425.43	107.30	End Shut-In(2)
187	1534.55	107.67	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
216.00	VSOCLM 5%O 10%M 85%W	3.03
434.00	GVSWCO 50%G 5%W 45%O	6.09
210.00	VGOCLM 60%G 20%M 20%O	2.95
60.00	VSOCLM 2%O 98%M	0.84

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

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

32-14s-18w Ellis, KS
Rohr-Schmeidler #1
Job Ticket: 49264 **DST#: 1**
Test Start: 2012.06.29 @ 06:00:00

Tool Information

Drill Pipe:	Length: 3300.00 ft	Diameter: 3.80 inches	Volume: 46.29 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: 65000.00 lb
			<u>Total Volume: 46.29 bbl</u>	Tool Chased 15.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 32000.00 lb
Depth to Top Packer:	3304.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	76.00 ft			
Tool Length:	97.00 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			3284.00	
Shut In Tool	5.00			3289.00	
Hydraulic tool	5.00			3294.00	
Packer	5.00			3299.00	21.00 Bottom Of Top Packer
Packer	5.00			3304.00	
Stubb	1.00			3305.00	
Recorder	0.00	8369	Inside	3305.00	
Recorder	0.00	8319	Outside	3305.00	
Perforations	7.00			3312.00	
Change Over Sub	1.00			3313.00	
Drill Pipe	63.00			3376.00	
Change Over Sub	1.00			3377.00	
Bullnose	3.00			3380.00	76.00 Bottom Packers & Anchor

Total Tool Length: 97.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

TDI, Inc.

32-14s-18w Ellis, KS

1310 Bison Rd
Hays KS 67601

Rohr-Schmeidler #1

Job Ticket: 49264

DST#: 1

ATTN: Herb Deines

Test Start: 2012.06.29 @ 06:00:00

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: 115000 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
216.00	VSOCMW 5%O 10%M 85%W	3.030
434.00	GVSWCO 50%G 5%W 45%O	6.088
210.00	VGOCM 60%G 20%M 20%O	2.946
60.00	VSOCM 2%O 98%M	0.842

Total Length: 920.00 ft Total Volume: 12.906 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .05 @100

Serial #: 8369

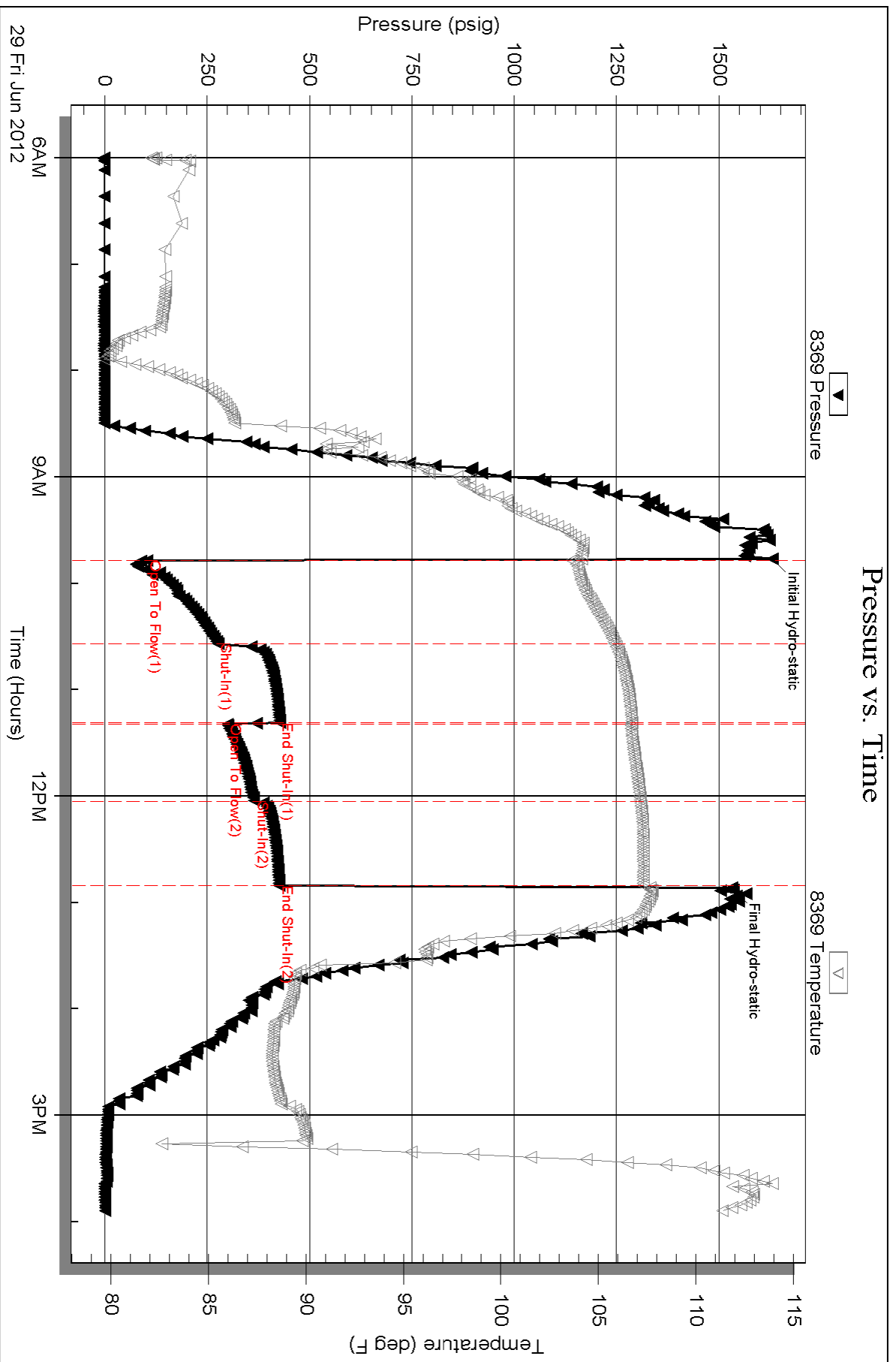
Inside

TDI, Inc.

Rohr-Schneider #1

DST Test Number: 1

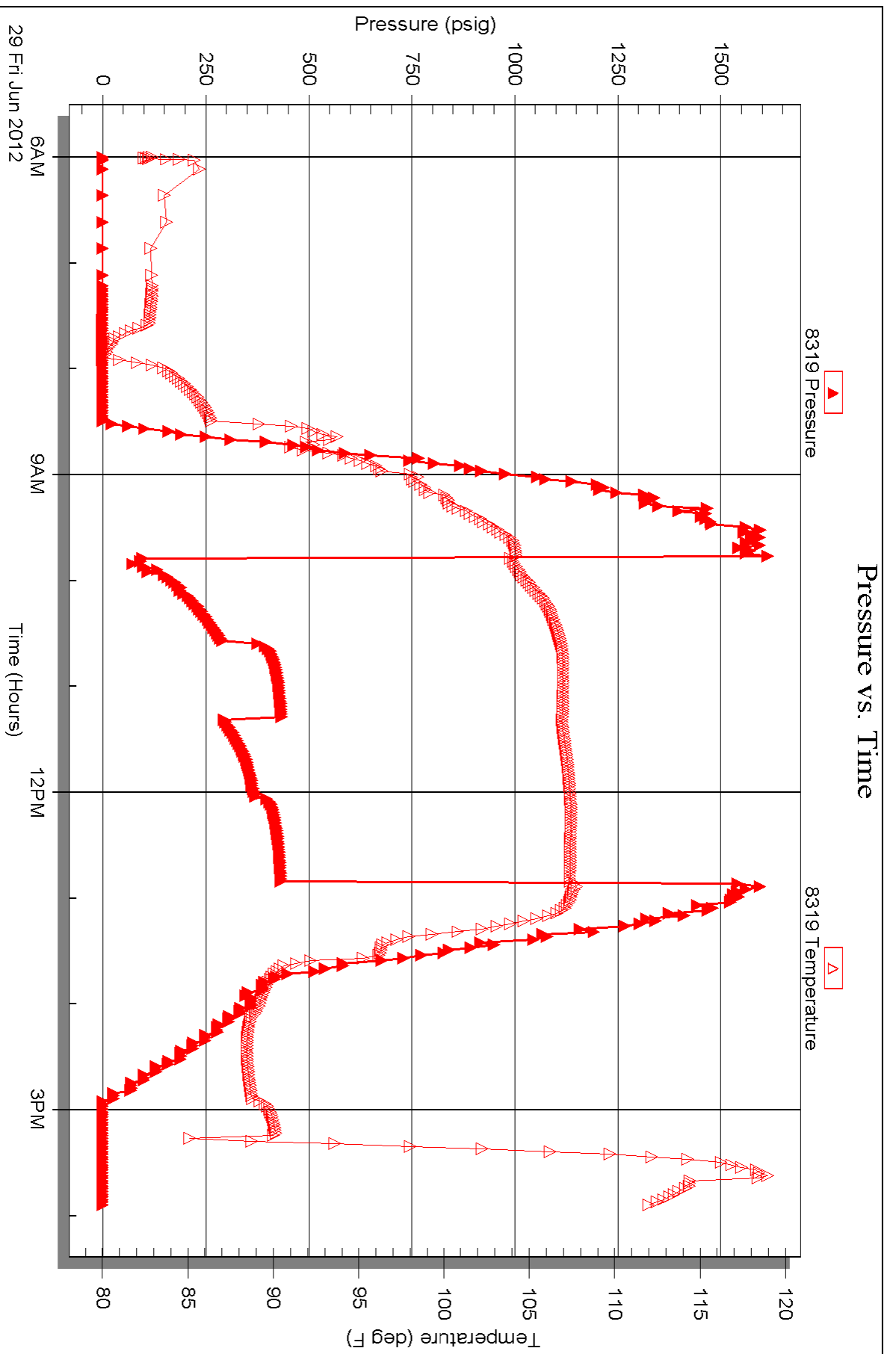
Pressure vs. Time



Triobite Testing, Inc

Ref. No: 49264

Printed: 2012.07.06 @ 09:17:07





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 49264

Well Name & No. Aohr-Schmeidler #1 Test No. 1 Date 6/29/12
 Company TDT, Inc. Elevation 2049 KB 2041 GL
 Address 1310 Bison Rd Hays KS 67601
 Co. Rep / Geo. Herb Rig Southwind #1
 Location: Sec. 32 Twp. 14 Rge. 18 Co. Ellis State KS

Interval Tested 3304-3380 Zone Tested KC"A-D"
 Anchor Length 26 Drill Pipe Run 3300 Mud Wt. 9.1
 Top Packer Depth 3299 Drill Collars Run — Vis 59
 Bottom Packer Depth 3304 Wt. Pipe Run — WL 6.8
 Total Depth 3380 Chlorides 2,200 ppm System LCM 1

Blow Description FF-BOB in 9 min died back to 3 in slid 15 ft to bottom
FSI-BOB in 10 1/2 min
FF-BOB in 5 1/2 min 675 in 40 min
FSI-BOB in 35 min

Rec	Feet of	%gas	%oil	%water	%mud
<u>216</u>	<u>VSOCMW</u>	<u>5</u>	<u>85</u>	<u>10</u>	
<u>434</u>	<u>GVSWCO</u>	<u>50</u>	<u>45</u>	<u>5</u>	
<u>210</u>	<u>VGOCM</u>	<u>60</u>	<u>20</u>		<u>20</u>
<u>60</u>	<u>VSOCM</u>	<u>2</u>			<u>98</u>

Rec Total 920 BHT 107 Gravity — API RW .05 @ 100 °F Chlorides 115,000 ppm

(A) Initial Hydrostatic 1629 Test 1150 T-On Location 5:05
 (B) First Initial Flow 104 Jars — T-Started 6:00
 (C) First Final Flow 277 Safety Joint — T-Open 9:45
 (D) Initial Shut-In 427 Circ Sub — T-Pulled 12:45
 (E) Second Initial Flow 300 Hourly Standby — T-Out 15:50
 (F) Second Final Flow 365 Mileage 20 rt X 2 ⁶² Comments pick up test tools
 (G) Final Shut-In 425 Sampler — 6/30/12 11:00
 (H) Final Hydrostatic 1,535 Straddle —
 Ruined Shale Packer
 Ruined Packer

Initial Open 45 Extra Packer — Extra Copies —
 Initial Shut-In 45 Extra Recorder — Sub Total 0
 Final Flow 45 Day Standby — Total 1212
 Final Shut-In 45 Accessibility — MP/DST Disc't —
 Sub Total 1212

Approved By — Our Representative But Die

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.

OPERATOR

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

Contact Geologist: TOM DENNING
 Contact Phone Nbr: 785-259-3141
 Well Name: ROHR-SCHMEIDLER UNIT # 1
 Location: E2 W2 W2 SE Sec.32-14s-18w
 Pool: IN FIELD
 State: KANSAS

API: 15-051-26310-00-00
 Field: ENGEL WEST
 Country: USA



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

Scale 1:240 Imperial

Well Name: ROHR-SCHMEIDLER UNIT # 1
 Surface Location: E2 W2 W2 SE Sec.32-14s-18w
 Bottom Location:
 API: 15-051-26310-00-00
 License Number: 4787
 Spud Date: 6/25/2012 Time: 1:00 PM
 Region: ELLIS COUNTY Time: 1:51 PM
 Drilling Completed: 6/30/2012
 Surface Coordinates: 1320' FSL & 2250' FEL
 Bottom Hole Coordinates:
 Ground Elevation: 2039.00ft
 K.B. Elevation: 2049.00ft
 Logged Interval: 2900.00ft To: 3750.00ft
 Total Depth: 3750.00ft
 Formation: LANSING-KANSAS CITY
 Drilling Fluid Type: GEL/CHEMICAL

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude: Latitude:
 N/S Co-ord: 1320' FSL
 E/W Co-ord: 2250' 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: 6/25/2012
 TD Date: 6/30/2012
 Rig Release: 7/1/2012

Time: 1:00 PM
 Time: 1:51 PM
 Time: 12:00 AM

ELEVATIONS

K.B. Elevation: 2049.00ft
 K.B. to Ground: 10.00ft
 Ground Elevation: 2039.00ft

NOTES

RECOMMENDATION TO RUN PRODUCTION BASED ON FAVORABLE STRUCTURE AND POSITIVE RESULTS OF DST # 1.

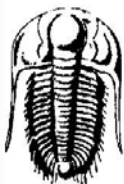
FORMATION TOPS SUMMARY AND SUMMARY OF DAILY ACTIVITY AND DEPTH AT 7:00AM

ROHR-SCHMEIDLER UNIT #1
1320' FSL & 2250' FEL, SE/4
Sec.32-14s-18w
2039' GL 2049' KB

<u>FORMATION</u>	<u>SAMPLE TOPS</u>	<u>LOG TOPS</u>
Anhydrite	1232+ 817	1226+ 823
B-Anhydrite	1265+ 784	1263+ 786
Topeka	3006- 957	3004- 955
Heebner Shale	3273-1224	3272-1223
Toronto	3297-1248	3294-1245
LKC	3322-1273	3321-1272
BKC	3556-1507	3556-1507
Arbuckle	3638-1589	3638-1589
RTD	3750-1701	
LTD		3750-1701

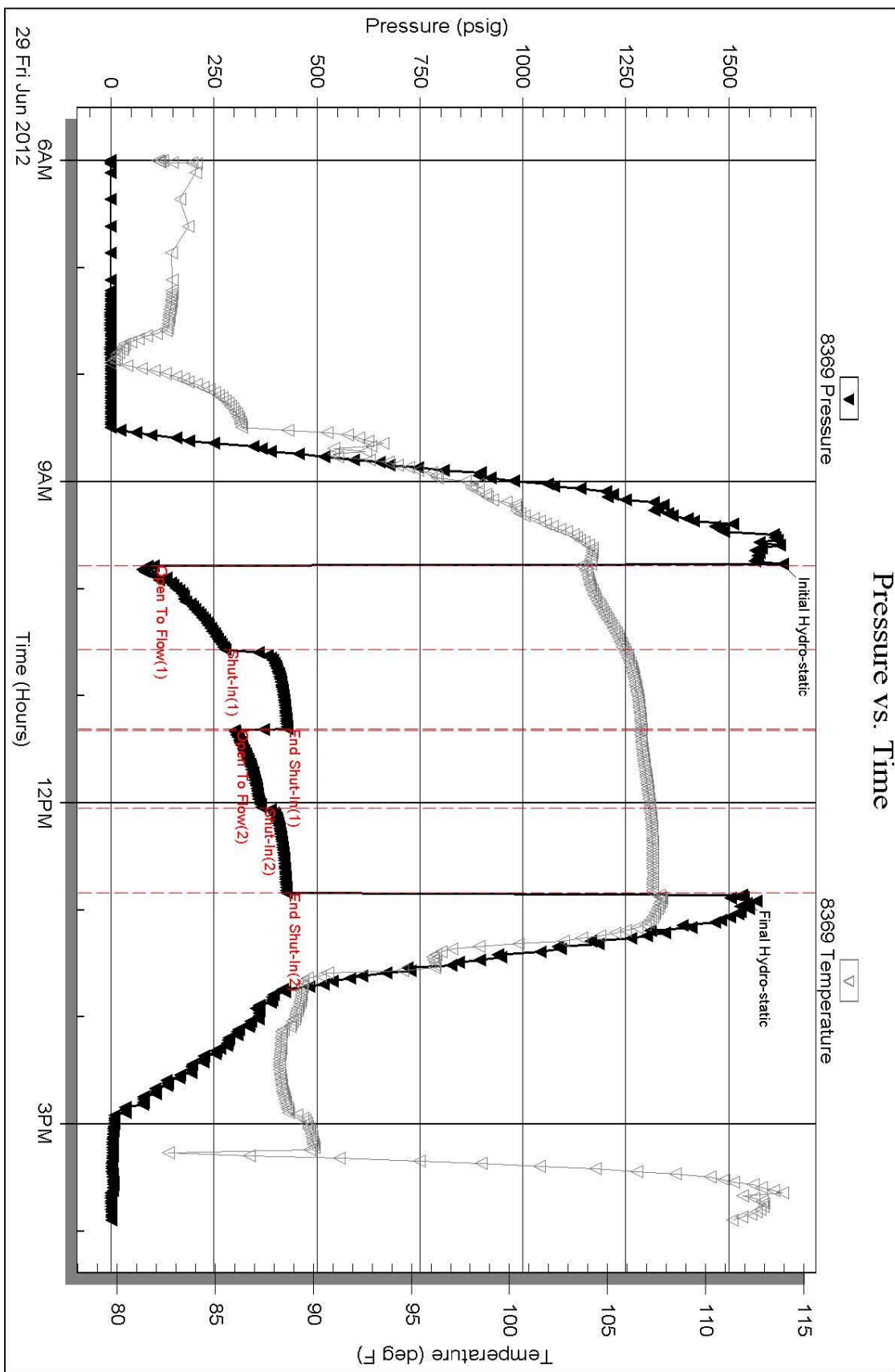
- 6-25-12 RU, Spud, set surface casing to 212.56' w/150 sxs. Common, 2%gel, 3%CC, Slope survey 1/4 degree, WOC 8 hrs. Plug down 5:15PM, Quality Cementing Ticket # 693
- 6-26-12 580', drilling
- 6-27-12 2015', drilling
- 6-28-12 2835', drilling, displaced 2890'-2929'
- 6-29-12 3380', drilling, DST # 1 3304'-3380'
- 6-30-12 3616', drilling, RTD 3750', mini short trip, CCH, out for logs
- 7-01-12 3750', logging completed, lay down drill pipe, run casing, RD

DST # 1 SUMMARY PAGE

 <p>TRILOBITE TESTING, INC.</p>	DRILL STEM TEST REPORT																																										
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Length (ft)	Description	Volume (bbl)																																									
216.00	VSOCMV 5%O 10%M 85%W	3.03																																									
434.00	GVSVMCO 50%G 5%W 45%O	6.09																																									
210.00	VGOCM 60%G 20%M 20%O	2.95																																									
60.00	VSOCM 2%O 98%M	0.84																																									
Gas Rates																																											
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)																																								

DST # 1 EXPANDED CHARTS

Serial #: 8369 Inside TDJ, Inc. Rohr-Schneider #1 DST Test Number: 1



Triobite Testing, Inc

Ref. No: 49264

Printed: 2012.06.29 @ 16:39:36

ROCK TYPES

Dolprim	Lmst fw>	Carbon Sh	Ss
Lmst fw<7	shale, grn	shale, red	Shgy

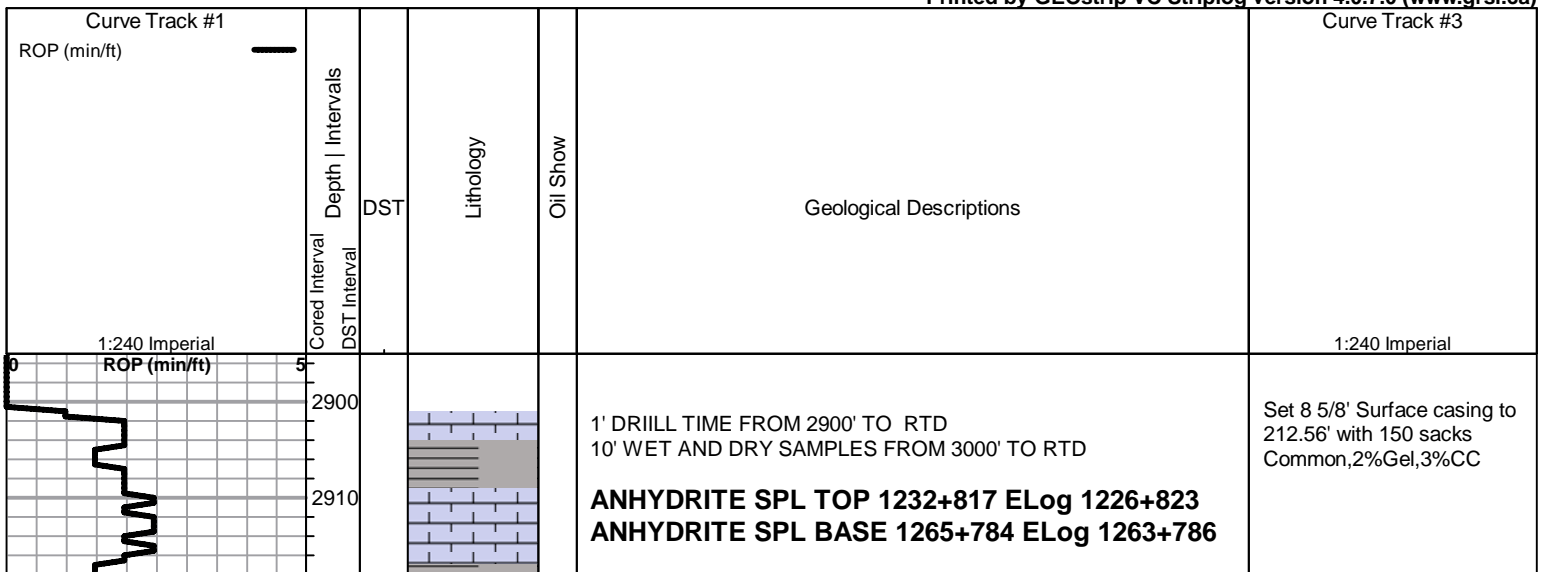
ACCESSORIES

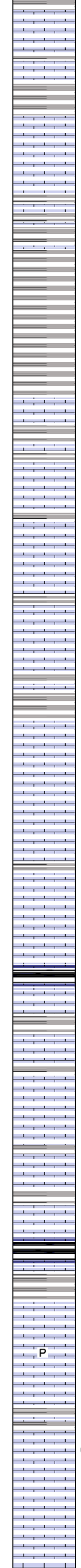
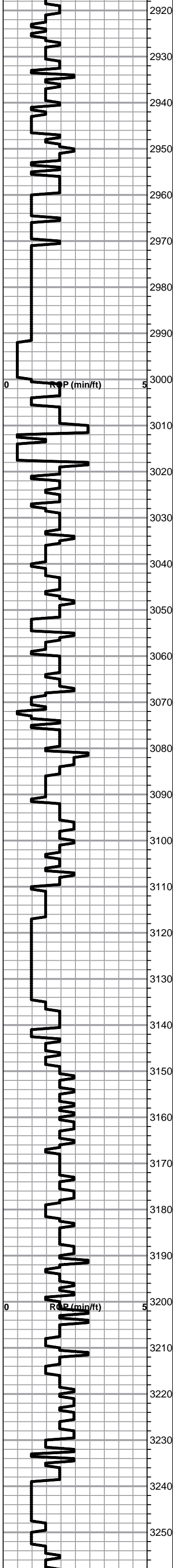
MINERAL	FOSSIL
P Pyrite	o Oolite
• Sandy	o Oomoldic
• Varicolored chert	
△ Chert White	
◇ Euhed rhombs of dol or	

OTHER SYMBOLS

DST
■ DST Int
■ DST alt

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





Lime, brn-gray, fnxln, slightly fossiliferous

Shale, lt-med gray, soft blocky

TOPEKA SPL TOP 3006-957 ELog 3004-955

Lime, med brn, fnxln-granular, slightly fossiliferous, grey mottling

Lime, crm-brn-gray, fnxln, fossiliferous in part

Lime, lt-med brn, fnxln, slightly fossiliferous

Lime, crm-med brn-gray, fnxln with granular in part, CXLN, NS

Lime, crm-brn-grayish brn, fnxln-granular, NS

Lime, mix of colors, lt brn-dark gray, fnxln

Shale, med-dark gray, calcareous in part

Lime, lt brn-lt gray, fnxln, bedded chalk in part

Lime, lt-med brn, fnxln-granular, bedded chalk in part

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

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

Lime, med brn-grayish brn, granular, slight chalk in part

Shale, gray-black carbonaceous

Lime, crm-brn, fnxln

Lime, crm, fnxln, cryptocrystalline

Lime, crm-lt brn, fnxln-granular, slight chalk, slight fossil content

Lime, crm-lt brn, fn-vfxln with scattered granular, slight chalk

Lime, crm-med brn-gray, fnxln, slightly chalky

Shale, black carbonaceous

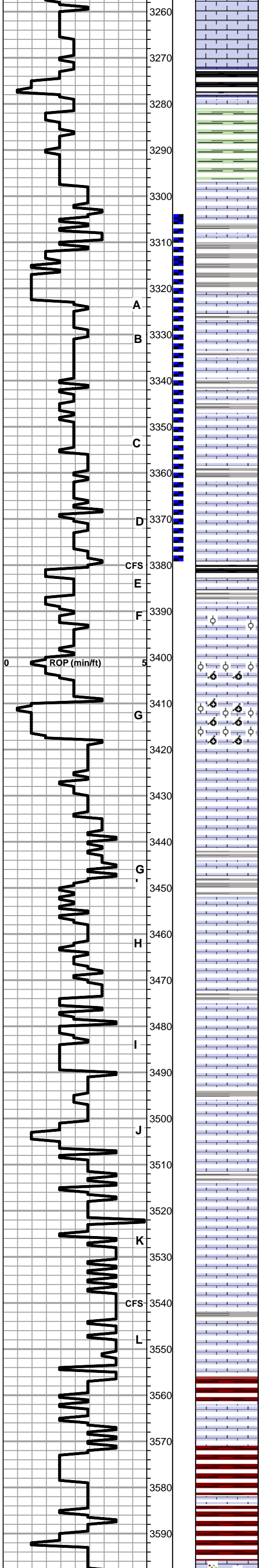
Lime, lt brn-grayish brn, fnxln

Lime, lt-med brn with scattered pyrite clusters, fnxln-granular

Lime, med grayish brn, fnxln-granular, chalky, slightly fossiliferous

Lime, crm, mostly fnxln with light brn granular in part with scattered to saturated staining, interxln with scattered vuggy porosity.

Lime, lt brn, granular



Lime, med brn, fnxn-granular, slight chalk in part

HEEBNER SHALE SPL 3273-1224 ELog 3272-1223

Shale, black carbonaceous
Lime, grayish brn, fnxn

Shale, lime green, soft

TORONTO SPL 3297-1248 ELog 3294-1245

Lime, crm-tan, fn-vfxln, bedded chalk in part, NS

Shale, reddish brn - gray

LKC SPL 3322-1273 ELog 3321-1272

A ○ Lime, offwht-lt brn, mostly fnxn, lt odor in scattered vuggy porosity

B Lime, tan-lt brn-lt gray, mostly fnxn

Lime, lt brn-lt gray, fnxn

C ○ Lime, lt brn, mostly fnxn, scattered vuggy porosity, light odor with light staining

Lime, tan-lt brn, mostly fnxn

D ○ Lime, tan-lt brn, fnxn, few pieces vuggy porosity with light odor and staining.

CFS Shale, black carbonaceous

E Lime, lt brn, fnxn
Shale, gray with pyrite clusters

F Lime, crm-tan, slightly oolitic but well cemented, chalk in part, NS

Lime, crm-tan, fnxn

G Lime, crm-tan, fnxn with oolitic-oolimoldic material in part, NS

Lime, crm-lt brn, fnxn-cryptocrystalline, chalk in part, NS

Lime, crm-lt brn, fn-vfxln, chalk in part

Lime, crm-lt brn, fn-vfxln

Lime, lt brn, fn-vfxln, slight chalk, NS or staining noted

Lime, crm-lt brn, fn-vfxln, slight chalk

I **D** Lime, lt-med brn, mostly fn-vfxln, dark dead oil staining in poorly developed reservoir.

J ○ Lime, crm-tan, fn-vfxln, bedded chalk in part, no visible porosity, NFO. no odor, few chips with scattered staining

Lime, crm-tan, fn-vfxln, bedded chalk, NS, no staining

Lime, crm-lt tan, fn-vfxln

Lime, wht-crm, fn-vfxln,

Lime, crm-med brn, fnxn-cryptocrystalline, slight chalk

BKC 3556-1507 ELog 3556-1507

Shale, reddish brn, soft blocky

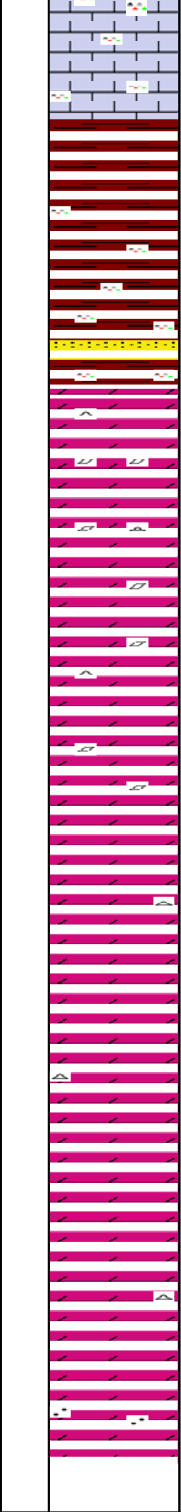
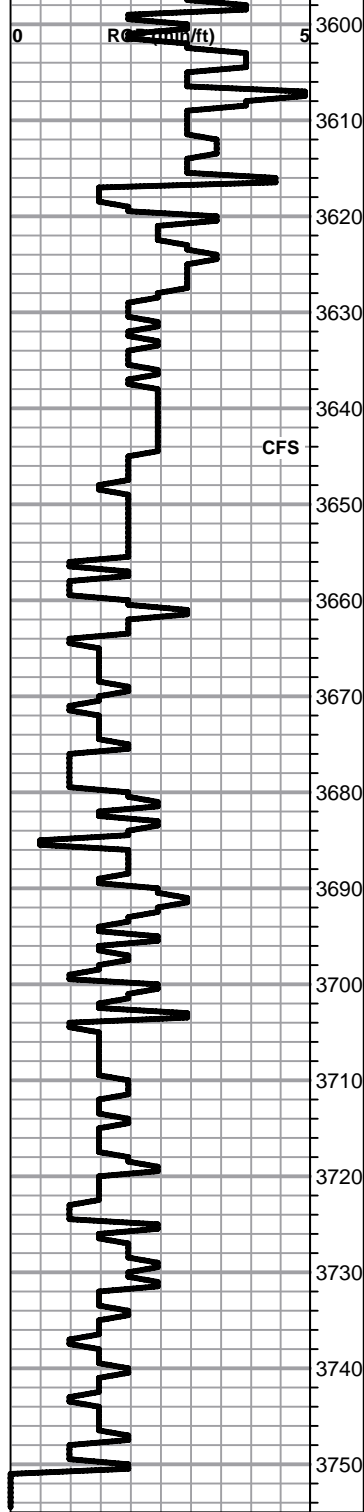
Lime, crm-tan, fn-vfxln

Shale, reddish brn with lime clastics in part

Shale, reddish brn

MARMATON MARKER BED 3596-1547

DST # 1 3304'-3380'
SEE HEADER FOR TEST
DETAILS



Lime, crm-brn, fnxln with few orange chert chips

Lime, lt-med brn, fnxln with reworked lime in part

Shale, reddish brn with light red wash

Shale, red wash with vari colored cherts

Shale, red wash with vari colored cherts, scattered SS clusters

ARBUCKLE SPL 3638-1589 ELog 3638-1589

Dolomite, crm, mostly fnxln, appears reworked with qtz grains

- Dolomite, crm-tan, fn-cxln, light saturated staining in interxln porosity, good rhombic crystalline development
- Dolomite, ivory-crm, fn-cxln, SFO with lt gassy oil, cherty

Dolomite, ivory, fn-cxln, increasing clean material indicating possible oil/water contact

Dolomite, ivory fn-cxln, clean, oomoldic in part

Dolomite, crm-ivory, fn-cxln

Dolomite, ivory, fn-cxln, few light specks of glauconite

Dolomite, ivory, fnxln

Dolomite, ivory, fn-cxln

Dolomite, ivory-crm, fn-cxln, scattered qtz grains

Dolomite, ivory-crm, fn-cxln, scattered qtz grains

Dolomite, ivory-crm, fn-cxln, scattered qtz grains

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. 693

Date	Sec.	Twp.	Range	County	State	On Location	Finish
6-25-12	32	14	18	Ellis	KS		5:15pm
Lease	Well No.		Location				
Rohr Schneider	1		Hays Antonio Rd 1/4 W Qinto				

Contractor	Owner
Southward #1	To Quality Oilwell Cementing, Inc.
Type Job	You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Surface	
Hole Size	T.D.
12 1/4	214
Csg.	Depth
8 5/8	
Tbg. Size	Depth
Tool	City
	State
Cement Left in Csg.	Shoe Joint
15	
Meas Line	Displace
	12 1/2 Bbl
	Cement Amount Ordered
	150 w/m 3% acc 2% b/c 1

EQUIPMENT

Pumptrk	No.	Cement Helper	Common
9		Craig	150
Bulktrk	No.	Driver	Poz. Mix
		Matt	
Bulktrk	No.	Driver	Gel.
8		Lonnice	3

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
8 5/8 on bottom Est Circulation Mix 150 w/m + Displace	Sand Handling 158
	Mileage

Cement Circulation

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	8 5/8 surge
AFU Inserts	
Float Shoe	
Latch Down	
Pumptrk Charge	Surface
Mileage	10

X Signature	Tax
Ruby	Discount
	Total Charge

JOB LOG

SWIFT Services, Inc.

DATE 7/12/12 PAGE NO. 1

CUSTOMER TDI WELL NO. #1 LEASE Kow-Schweidler JOB TYPE Cement long string 2 stage TICKET NO. 23136

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								150 EA-2 w/ 1/2" Floack / 180 sand w/ 1/2" Flo 5 1/2" x 14" casing / 93 joints 3749' shelit 35.64' baffles 475' 3213' DV 1195' Cent 1, 3, 5, 7, 9, 10, 12, 60 brkt 1, 12, 60, 79
	0500							on loc TRK 114
	0635							start 5 1/2" x 14" casing in well
	0825							Drop ball - circulate
	0940	4 3/4	12				250	Pump 500 gal mid flush
		4 3/4	70				20	Pump 20 bbl KCL flush
	0950	4 3/4	37				350	mix EA-2 cement 150 sks @ 15.3 ppg Drop 1st stage plug wash out pump & line
	1000							
	1005	6 3/4	62				150	Displace plug w/ H2O
		6 3/4	76				550	Displace plug w/ drilling mud
	1020	4 3/4	91				1500	Land plug
								Drop bomb
			7					Plug RH - MH 30 sks - 20 sks
	1033		20				1000	open DV tools w/ KCL H2O
	1042	6 3/4	93				250	mix SMD cement 130 sks @ 11.2 ppg Drop 2nd stage plug
	1104	6 3/4					250	Displace plug
		6 3/4	35				700	- cement to surface - (130 sks)
	1100	6 3/4	39				1800	Land plug - close DV (30 sks) PT
								Wash truck
								Rack up job complete Truck TJ, Blaw, Doe
	1150							

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
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

September 20, 2012

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

Re: ACO1
API 15-051-26310-00-00
Rohr-Schmeidler Unit 1
SE/4 Sec.32-14S-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