

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

1109560

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 #	API No. 15		
Name:	Spot Description:		
Address 1:	SecTwpS. R		
Address 2:	Feet from North / South Line of Section		
City: State: Zip:+	Feet from East / West Line of Section		
Contact Person:	Footages Calculated from Nearest Outside Section Corner:		
Phone: ()	□NE □NW □SE □SW		
CONTRACTOR: License #	GPS Location: Lat:, Long:		
Name:	(e.g. xx.xxxxxx) (e.gxxx.xxxxxx)		
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84		
Purchaser:	County:		
Designate Type of Completion:	Lease Name: Well #:		
New Well Re-Entry Workover	Field Name:		
□ Oil □ WSW □ SHOW □ 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:	Producing Formation: Elevation: Ground: Kelly Bushing: Feet Total Vertical Depth: Plug Back Total Depth: Feet Multiple Stage Cementing Collar Used? Yes No If yes, show depth set: Feet If Alternate II completion, cement circulated from: sx cmt.		
Original Comp. Date: Original Total Depth: Deepening Re-perf. Conv. to ENHR Conv. to SWD Plug Back Conv. to GSW Conv. to Producer	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)		
□ Commingled Permit #:	Chloride content: ppm Fluid volume: bbls Dewatering method used: Location of fluid disposal if hauled offsite:		
GSW Permit #:	Cuerter See Two S R Total West		
Spud Date or Date Reached TD Completion Date or Recompletion Date	QuarterSec. TwpS. 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 I II Approved by: Date:					

Page Two



Operator Name:				Lease N	Name: _			Well #:		
Sec Twp	S. R	East	West	County	:					
INSTRUCTIONS: Shopen and closed, flow and flow rates if gas to	ring and shut-in pres o surface test, along	sures, whethe with final cha	er shut-in pre art(s). Attach	essure reac n extra shee	hed stati t if more	c level, hydrosta space is neede	itic pressures, bot d.	tom hole temp	erature, fluid re	ecovery,
Final Radioactivity Lo files must be submitte						ogs must be ema	ailed to kcc-well-lo	gs@kcc.ks.go	v. Digital electr	ronic log
Drill Stem Tests Taker (Attach Additional		Yes	☐ No				on (Top), Depth ar		Sampl	
Samples Sent to Geo	logical Survey	Yes	□No		Nam	е		Тор	Datum	1
Cores Taken Electric Log Run	☐ No ☐ No									
List All E. Logs Run:										
				RECORD	Ne					
		1				ermediate, product		T	I	
Purpose of String	Size Hole Drilled		Casing n O.D.)	Weig Lbs. /		Setting Depth	Type of Cement	# Sacks Used	Type and Pe Additive	
			ADDITIONAL	CEMENTIN	NG / SQL	JEEZE RECORD				
Purpose:	Depth Top Bottom	Type of	Cement	# Sacks	Used		Type and F	ercent Additives		
Perforate Protect Casing	100 20111111									
Plug Back TD Plug Off Zone										
1 lug 0 li 20 lio										
Did you perform a hydrau	ulic fracturing treatment	on this well?				Yes	No (If No, ski	ip questions 2 ar	nd 3)	
Does the volume of the t							= :	p question 3)		
Was the hydraulic fractur	ring treatment information	on submitted to	the chemical	disclosure re	gistry?	Yes	No (If No, fill	out Page Three	of the ACO-1)	
Shots Per Foot		ION RECORD Footage of Eac					cture, Shot, Cement			epth
	open,					,,				
TUBING RECORD:	Size:	Set At:		Packer A	t:	Liner Run:				
							Yes No			
Date of First, Resumed	Production, SWD or Ef	NHR. F	Producing Met	hod: Pumpin	a	Gas Lift 0	Other (Explain)			
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Wat			Gas-Oil Ratio	Gra	avity
	1									
	ON OF GAS:		en Hole	METHOD OF			mmingled	PRODUCTION	ON INTERVAL:	ļ
Vented Solo	I Used on Lease bmit ACO-18.)		en noie _	Perf.	(Submit		mmingled mit ACO-4)			





Prepared For: TDI, Inc.

> 1310 Bison Rd. Hays, KS 67601

ATTN: Tom Denning

Dreiling "D" #8

21-14s-16w Ellis.KS

2012.11.07 @ 07:54:45 Start Date: End Date: 2012.11.07 @ 13:44:15 Job Ticket #: 48613 DST #: 1

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

Printed: 2012.11.15 @ 16:15:51



TDI, Inc.

21-14s-16w Ellis.KS

1310 Bison Rd. Hays, KS 67601 Dreiling "D" #8

Job Ticket: 48613

Tester:

Unit No:

DST#: 1

ATTN: Tom Denning

Test Start: 2012.11.07 @ 07:54:45

GENERAL INFORMATION:

Formation: Arbuckle

Deviated: No Whipstock: ft (KB) Test Type: Conventional Straddle (Initial)

Time Tool Opened: 09:37:45 Time Test Ended: 13:44:15

Interval:

3340.00 ft (KB) To 3420.00 ft (KB) (TVD)

Total Depth: 3497.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1885.00 ft (KB)

Dustin Rash

38

1875.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8354 Inside

Press@RunDepth: 607.65 psig @ 3346.00 ft (KB) Capacity: 8000.00 psig

 Start Date:
 2012.11.07
 End Date:
 2012.11.07
 Last Calib.:
 2012.11.07

 Start Time:
 08:04:45
 End Time:
 13:44:15
 Time On Btm:
 2012.11.07 @ 09:37:25

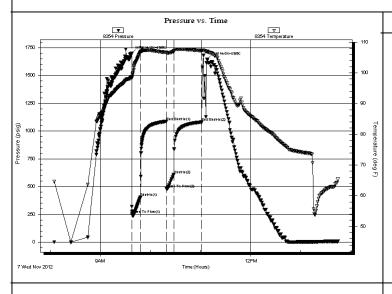
 Time Off Btm:
 2012.11.07 @ 11:07:45

TEST COMMENT: IF-Strong building blow . BOB in 45 seconds.

ISI-No Return.

FF-Strong building blow. BOB in 45 seconds.

FSI-No Return.



PRESSURE SUMMARY

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	1697.90	98.60	Initial Hydro-static
1	251.74	98.46	Open To Flow (1)
11	407.41	106.64	Shut-In(1)
42	1086.34	106.61	End Shut-In(1)
42	481.07	106.43	Open To Flow (2)
51	607.65	106.93	Shut-In(2)
84	1079.97	107.18	End Shut-In(2)
91	1646.97	106.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
252.00	5%Oil/90%Water/5%Mud	3.53
819.00	10%Gas/5%Oil/60%Water/30%Mud	11.49
504.00	10%Gas/5%Oil/15%Water/70%Mud	7.07

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TDI, Inc. 21-14s-16w Ellis.KS

1310 Bison Rd. Dreiling "D" #8

Hays, KS 67601 Job Ticket: 48613 **DST#:1**

ATTN: Tom Denning Test Start: 2012.11.07 @ 07:54:45

GENERAL INFORMATION:

Formation: Arbuckle

Deviated: No Whipstock: ft (KB) Test Type: Conventional Straddle (Initial)

Time Tool Opened: 09:37:45

Time Test Ended: 13:44:15

Dustin Rash
Unit No: 38

Interval: 3340.00 ft (KB) To 3420.00 ft (KB) (TVD) Reference Elevations: 1885.00 ft (KB)

Total Depth: 3497.00 ft (KB) (TVD) 1875.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 10.00 ft

Serial #: 8520 Outside

 Press@RunDepth:
 psig
 @
 3346.00 ft (KB)
 Capacity:
 8000.00 psig

Start Date: 2012.11.07 End Date: 2012.11.07 Last Calib.: 2012.11.07

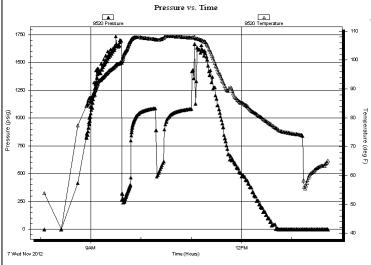
Start Time: 08:04:30 End Time: 13:43:00 Time On Btm: Time Off Btm:

TEST COMMENT: IF-Strong building blow . BOB in 45 seconds.

ISI-No Return.

FF-Strong building blow . BOB in 45 seconds.

FSI-No Return.



PRESSURE SI	JMMARY
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Annotation	Temp (deg F)	Pressure (psig)	Time (Min.)

Recovery

Length (ft)	Description	Volume (bbl)
252.00	5%Oil/90%Water/5%Mud	3.53
819.00	10%Gas/5%Oil/60%Water/30%Mud	11.49
504.00	10%Gas/5%Oil/15%Water/70%Mud	7.07

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TDI, Inc.

21-14s-16w Ellis.KS

1310 Bison Rd. Hays, KS 67601 Dreiling "D" #8

Job Ticket: 48613

DST#: 1

ATTN: Tom Denning

Test Start: 2012.11.07 @ 07:54:45

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:37:45 Time Test Ended: 13:44:15

Tester: Dustin Rash

Test Type: Conventional Straddle (Initial)

Unit No: 38

3340.00 ft (KB) To 3420.00 ft (KB) (TVD)

Reference Elevations:

1885.00 ft (KB)

Total Depth: 3497.00 ft (KB) (TVD)

KB to GR/CF:

1875.00 ft (CF) 10.00 ft

Hole Diameter: 7.88 inches Hole Condition: Fair

Serial #: 8653 Below (Straddle)

Press@RunDepth: 3422.00 ft (KB) psig @

Capacity: Last Calib.: 8000.00 psig

Start Date: 2012.11.07 End Date: 2012.11.07 13:41:15

Time On Btm:

2012.11.07

Start Time:

Interval:

07:54:46

End Time:

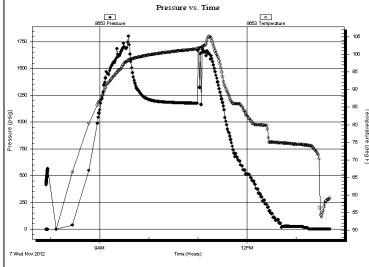
Time Off Btm:

TEST COMMENT: IF-Strong building blow . BOB in 45 seconds.

ISI-No Return.

FF-Strong building blow . BOB in 45 seconds.

FSI-No Return.



PRESSURE SUMMARY

	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
Tem				
Temperature (deg F)				
(den F)				

Recovery

Length (ft)	Description	Volume (bbl)
252.00	5%Oil/90%Water/5%Mud	3.53
819.00	10%Gas/5%Oil/60%Water/30%Mud	11.49
504.00	10%Gas/5%Oil/15%Water/70%Mud	7.07

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Printed: 2012.11.15 @ 16:15:53 Trilobite Testing, Inc. Ref. No: 48613



TOOL DIAGRAM

TDI, Inc.

21-14s-16w Ellis, KS

1310 Bison Rd. Hays, KS 67601 Dreiling "D" #8

Job Ticket: 48613

DST#:1

ATTN: Tom Denning

Test Start: 2012.11.07 @ 07:54:45

Tool Information

Drill Pipe:Length:3328.00 ftDiameter:Heavy Wt. Pipe:Length:0.00 ftDiameter:Drill Collar:Length:0.00 ftDiameter:

3.80 inches Volume: 46.68 bbl 2.70 inches Volume: 0.00 bbl 2.25 inches Volume: 0.00 bbl

46.68 bbl

Total Volume:

Tool Weight: 3000.00 lb
Weight set on Packer: 25000.00 lb
Weight to Pull Loose: 20000.00 lb

Drill Pipe Above KB: 8.00 ft
Depth to Top Packer: 3340.00 ft

Tool Chased 0.00 ft
String Weight: Initial 30000.00 lb

Depth to Bottom Packer: 3417.00 ft Interval between Packers: 77.00 ft Final 36000.00 lb

Tool Length: 177.00 ft

Number of Packers: 2 Diameter: 6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3321.00		
Shut In Tool	5.00			3326.00		
Hydraulic tool	5.00			3331.00		
Packer	5.00			3336.00	20.00	Bottom Of Top Packer
Packer	4.00			3340.00		
Stubb	1.00			3341.00		
Perforations	5.00			3346.00		
Recorder	0.00	8354	Inside	3346.00		
Recorder	0.00	8520	Outside	3346.00		
Change Over Sub	1.00			3347.00		
Drill Pipe	62.00			3409.00		
Change Over Sub	1.00			3410.00		
Perforations	6.00			3416.00		
Blank Off Sub	1.00			3417.00	77.00	Tool Interval
Packer	4.00			3421.00		
Change Over Sub	1.00			3422.00		
Recorder	0.00	8653	Below	3422.00		
Drill Pipe	62.00			3484.00		
Change Over Sub	1.00			3485.00		
Perforations	9.00			3494.00		
Bullnose	3.00			3497.00	80.00	Bottom Packers & Anchor

Total Tool Length: 177.00



FLUID SUMMARY

TDI, Inc.

21-14s-16w Ellis, KS

1310 Bison Rd.

Dreiling "D" #8

Hays, KS 67601

Job Ticket: 48613

DST#: 1

ATTN: Tom Denning

Test Start: 2012.11.07 @ 07:54:45

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: 19000 ppm

Viscosity: 56.00 sec/qt Cushion Volume: bbl

Water Loss: 7.97 in³ Gas Cushion Type:

Resistivity: 0.38 ohm.m Gas Cushion Pressure: psig

Salinity: 4500.00 ppm Filter Cake: inches

Recovery Information

Recovery Table

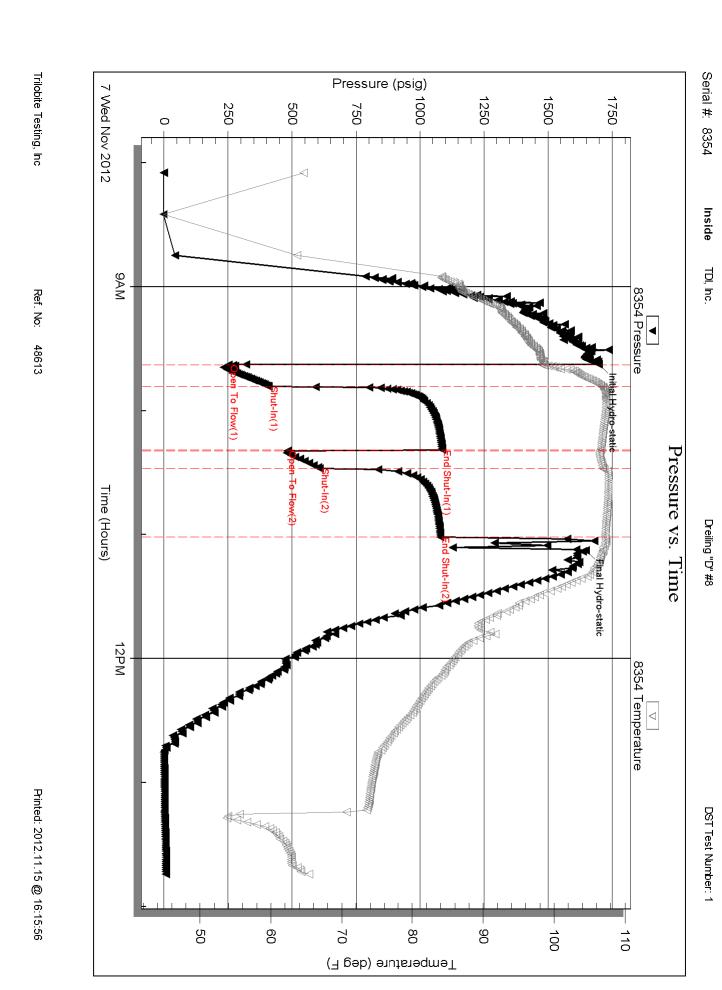
Length ft	Description	Volume bbl
252.00	5%Oil/90%Water/5%Mud	3.535
819.00	10%Gas/5%Oil/60%Water/30%Mud	11.488
504.00	10%Gas/5%Oil/15%Water/70%Mud	7.070

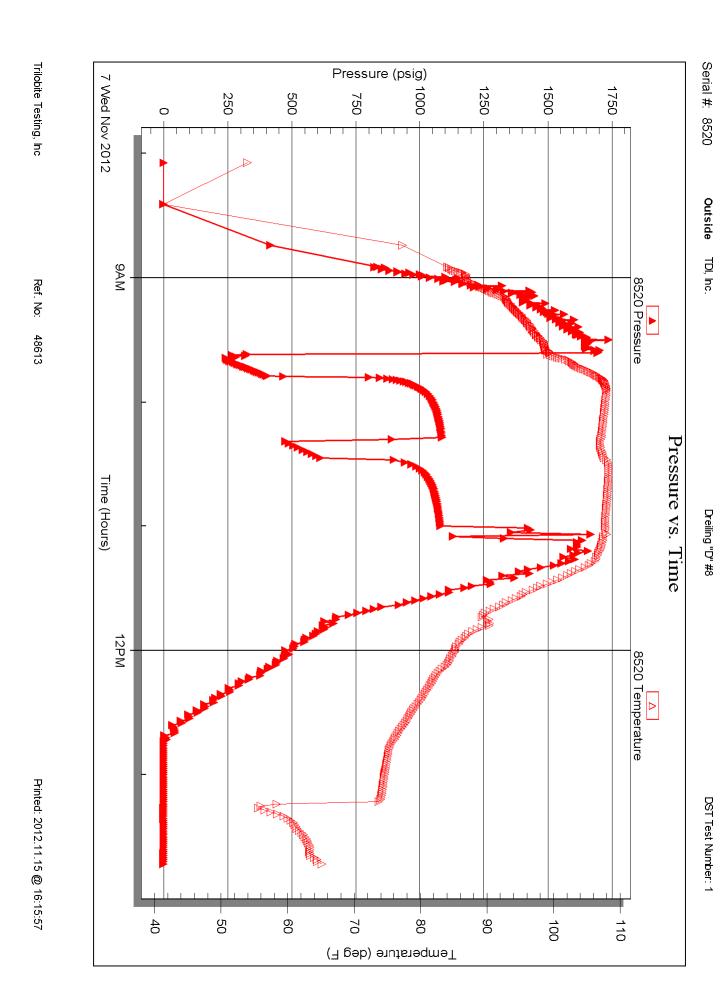
Total Length: 1575.00 ft Total Volume: 22.093 bbl

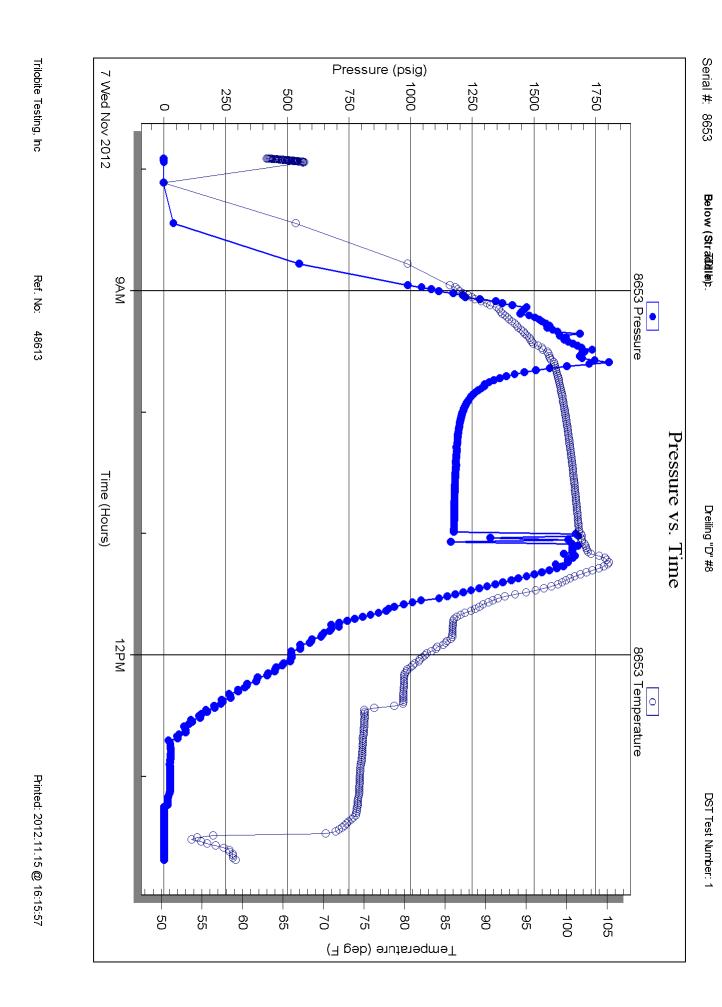
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:









RILOBITE ESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 48613

4/10 MA					
Well Name & No. Diefling "A" & Company TDT, Inc. Address 1310, Bison Rd.	Have KS	Test NoElevation	1 1885		
Co. Rep/Geo. Helb Derices Location: Sec. 21 Twp. 145	_Rge/6W	Rig S	Southa 11.3	ind I	KS
Interval Tested 3340-3420 Anchor Length 80' 77'TP Top Packer Depth 3335 Bottom Packer Depth 3340 Total Depth 32499 Blow Description TF-Strong but TST-No Return	Iding blow,	500 BOBIN	ppm System 45 Seco	Mud Wt 9.3 Vis _ 56 WL _ 8.0 LCM _ Z #	
FF-Strong building blooms FST-No Return. Rec 504 Feet of GOCWM Rec 819 Feet of GOCMW Rec 257 Feet of SOCMW	ow, BOBS	10%gas 10 %gas %gas	5 %oil 5 %oil 5 %oil	15 %water 60 %water 90 %water	70 %mud 30 %mud 5 %mud
Rec Feet of Rec Feet of		%gas %gas	%oil	%water	%mud %mud
Rec Total 1575 BHT (A) Initial Hydrostatic 1698 (B) First Initial Flow 252 (C) First Final Flow 407 (D) Initial Shut-In 1086 (E) Second Initial Flow 481 (F) Second Final Flow 608 (G) Final Shut-In 1080	Gravity Test150 Jars Safety Joint Circ Sub Hourly Standby Mileage/ Sampler	78と 52.70	T-On L T-Start T-Oper T-Pulle T-Out	Chlorides 19. Location 6600 (19.00) 10. Cocation 6600 (19.00) 10. Cocatio	
(H) Final Hydrostatic 1647 Initial Open 10 Initial Shut-In 30 Final Flow 10 Final Shut-In 30	Straddle 60 Shale Packer Extra Packer Extra Recorder Day Standby Accessibility Sub Total 1802.		Ru Ru Sub Total	uined Shale Packer uined Packer tra Copies tral0 1802.70	
Approved By		Our Representativ	e	D, Nas	

OPERATOR

Company: TDI, INC.

Address: 1310 BISON ROAD

HAYS, KANSAS

Contact Geologist: TOM DENNING Contact Phone Nbr: 785-628-2593 Well Name: DREILING D#8

> Location: SW SW NE NE Sec.21-14s-16w API: 15-051-26,408-00-00

Pool: IN FIELD Field: **DREILING** State: **KANSAS** Country: USA



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

Scale 1:240 Imperial

Well Name: DREILING D#8

Surface Location: SW SW NE NE Sec.21-14s-16w

Bottom Location:

API: 15-051-26,408-00-00

License Number: 4787 Spud Date: 11/2/2012 Time: 3:15 PM

> **ELLIS COUNTY** Region:

Drilling Completed: 11/6/2012 Time: 8:33 PM

Surface Coordinates: 1090' FNL & 1230' FEL

Bottom Hole Coordinates:

Ground Elevation: 1875.00ft K.B. Elevation: 1885.00ft

Logged Interval: 2500.00ft To: 3496.00ft

Total Depth: 3496.00ft Formation: ARBUCKLE

Drilling Fluid Type: CHEMICAL/FRESH WATER GEL

SURFACE CO-ORDINATES

Well Type: Vertical

Longitude: Latitude:

N/S Co-ord: 1090' FNL E/W Co-ord: 1230' FEL

LOGGED BY



SOLUTIONS CONSULTING Company:

Address: 108 W 35TH HAYS, KS 67601

(785) 639-1337

Logged By: Geologist Name: HERB DEINES

CONTRACTOR

Contractor: SOUTHWIND DRILLING INC.

Rig #:

Phone Nbr:

Rig Type: MUDRUIARI

Spud Date: Time: 3:15 PM 11/2/2012 TD Date: 11/6/2012 Time: 8:33 PM Rig Release: 11/8/2012 Time: 1:00 AM

ELEVATIONS

Ground Elevation: K.B. Elevation: 1885.00ft 1875.00ft

K.B. to Ground: 10.00ft

NOTES

RECOMMENDATION TO RUN PRODUCTION CASING BASED ON RESULTS OF DST # 1, FAVORABLE STRUCTURE AND EXISTING LEASE INFRASTRUCTURE TO HANDLE OIL AND PRODUCED SALT WATER.

OPEN HOLE LOGGGING BY PIONEER ENERGY SERVICES: DUAL INDUCTION LOG, DUAL COMPENSATED POROSITY LOG AND MICRORESISTIVITY LOG.

DRILL STEM TESTING BY TRILOBITE TESTERS INC.: ONE(1) STRADDLE TEST

FORMATION TOPS SUMMARY AND CHRONOLOGY OF DAILY ACTIVITY

DREILING D # 8

1090' FNL & 1230' FEL, NE/4

Sec. 21-14s-16w

1875' GL 1885' KB

FORMATION	SAMPLE TOPS	LOG TOPS
Anhydrite	983+ 902	977+ 908
B-Anhydrite	1018+ 867	1016+ 869
Topeka	2852- 967	2853- 968
Heebner Shale	3069-1184	3070-1185
Toronto	3086-1201	3088-1203
LKC	3114-1229	3115-1230
ВКС	3345-1460	3354-1469
Arbuckle		3403-1518
RTD	3496-1611	
LTD		3498-1613

SUMMARY OF DAILY ACTIVITY

11-02-12	Spud 3:15 PM, set 8 5/8" surface casing to 223' w/ 150 sxs common,
	2%Gel, 3%CC, plug down 7:00pm, WOC 8 hrs
11 02 12	411/ drill plug at 2:00 ANA

411', drill plug at 3:00 AM 11-03-12

1690', drilling 11-04-12

2460', drilling, displace 2672'-2687' 11-05-12

3185', drilling, RTD 3496' @ 8:33pm, CCH, short trip 11-06-12

11-07-12 3496', CCH 1 ½ hrs, TOWB, logs, straddle test # 1 3340' – 3420', LDDP, run 5 1/2 "production casing, cementing top stage

11-08-12 3496', finish cementing, plug down 1:00AM, RD

DST # 1 STRADDLE TEST SUMMARY



DRILL STEM TEST REPORT

TDI, Inc.

21/14S/16W-Ellis Dreiling "D" #8

1310 Bison Rd. Hays, KS 67601

Job Ticket: 48613

ATTN: Tom Denning Test Start: 2012.11.07 @ 07:54:45

GENERAL INFORMATION:

Formation: Arbuckle

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:37:45 Tester: Dustin Rash

Time Test Ended: 13:44:15

Interval: 3340.00 ft (KB) To 3420.00 ft (KB) (TVD)

Total Depth: 3497.00 ft (KB) (TVD)

Hole Diameter: 7.88 inchesHole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Unit No: 38

Reference Elevations: 1885.00 ft (KB)

1875.00 ft (CF)

DST#: 1

KB to GR/CF: 10.00 ft

Serial #: 8354 Inside

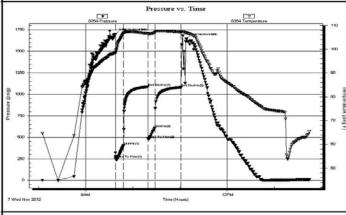
Press@RunDepth: 607.65 psig @ 8000.00 psig 3346.00 ft (KB) Capacity: Start Date: 2012.11.07 End Date: 2012.11.07 Last Calib.: 2012.11.07 2012.11.07 @ 09:37:25 Start Time: 08:04:45 End Time: Time On Btm: 13:44:15 Time Off Btm: 2012.11.07 @ 11:07:45

TEST COMMENT: IF-Strong building blow. BOB in 45 seconds.

ISI-No Return.

FF-Strong building blow. BOB in 45 seconds.

FSI-No Return.

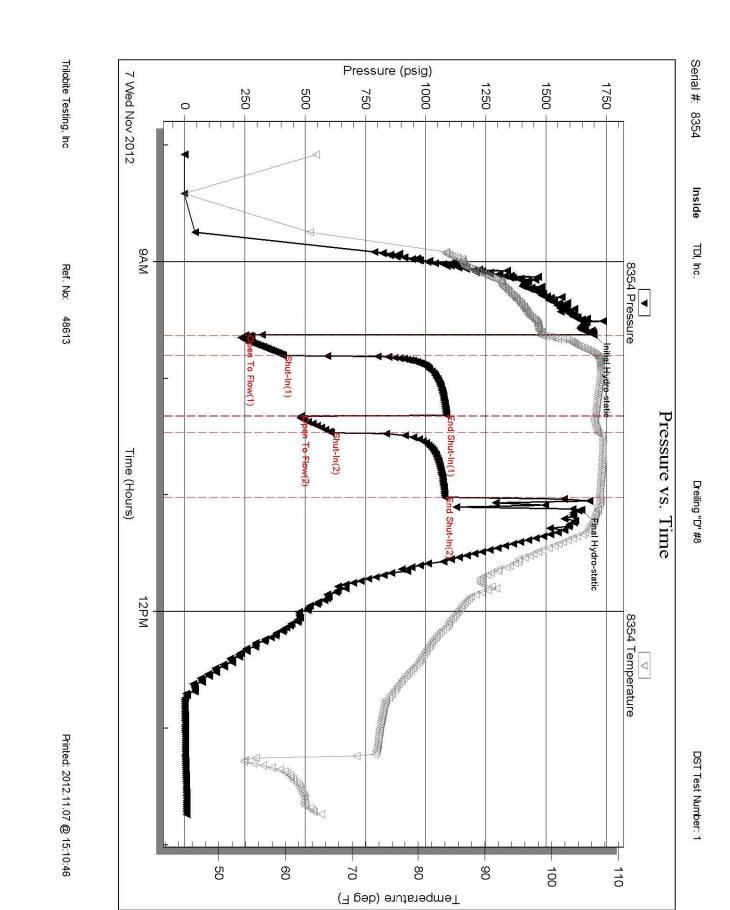


		PRESSURE SUMMARY									
10	Т	Time	Pressure	Temp	Annotation						
		(Min.)	(psig)	(deg F)							
ю		0	1697.90	98.60	Initial Hydro-static						
		1	251.74	98.46	Open To Flow (1)						
)		11	407.41	106.64	Shut-In(1)						
	a l	42	1086.34	106.61	End Shut-In(1)						
	empe	42	481.07	106.43	Open To Flow (2)						
	rature	51	607.65	106.93	Shut-In(2)						
	Temperature (deg F	84	1079.97	107.18	End Shut-In(2)						
	3	91	1646.97	106.92	Final Hydro-static						
)											
)											

Recovery

Length (ft)	Description	Volume (bbl)
252.00	5%Oil/90%Water/5%Mud	3.53
819.00	10%Gas/5%Oil/60%Water/30%Mud	11.49
504.00	10%Gas/5%Oil/15%Water/70%Mud	7.07

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



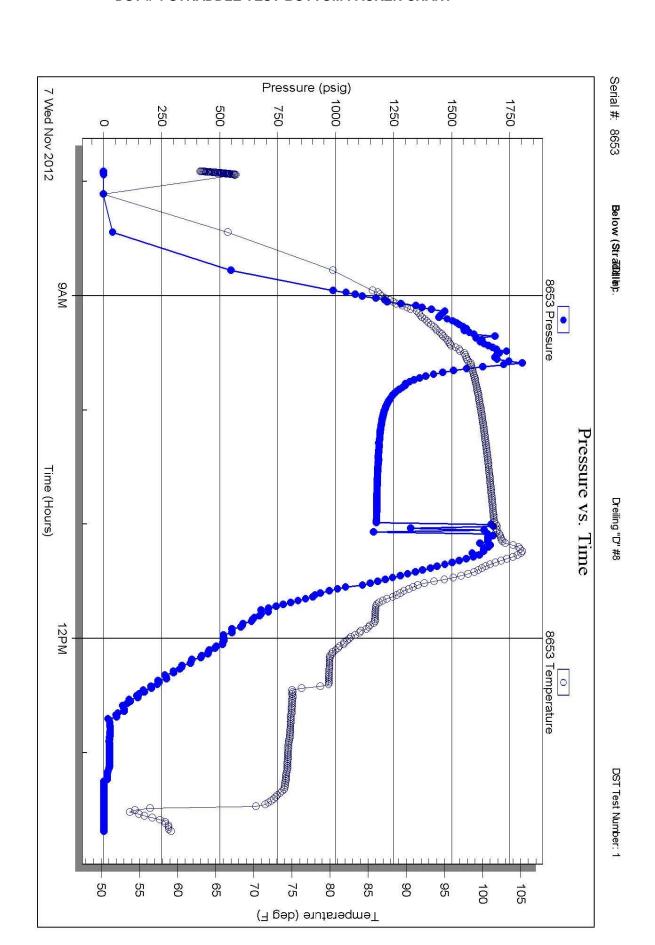
DST # 1 STRADDLE TEST BOTTOM PACKER CHART

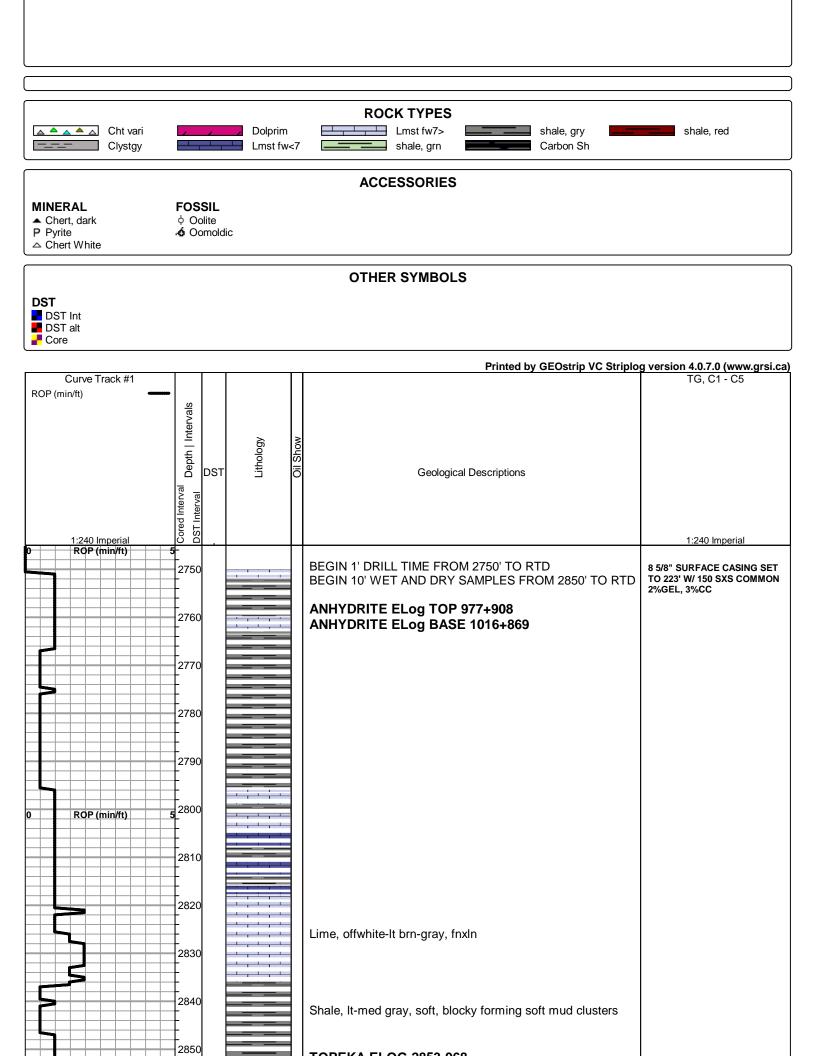
Trilobite Testing, Inc

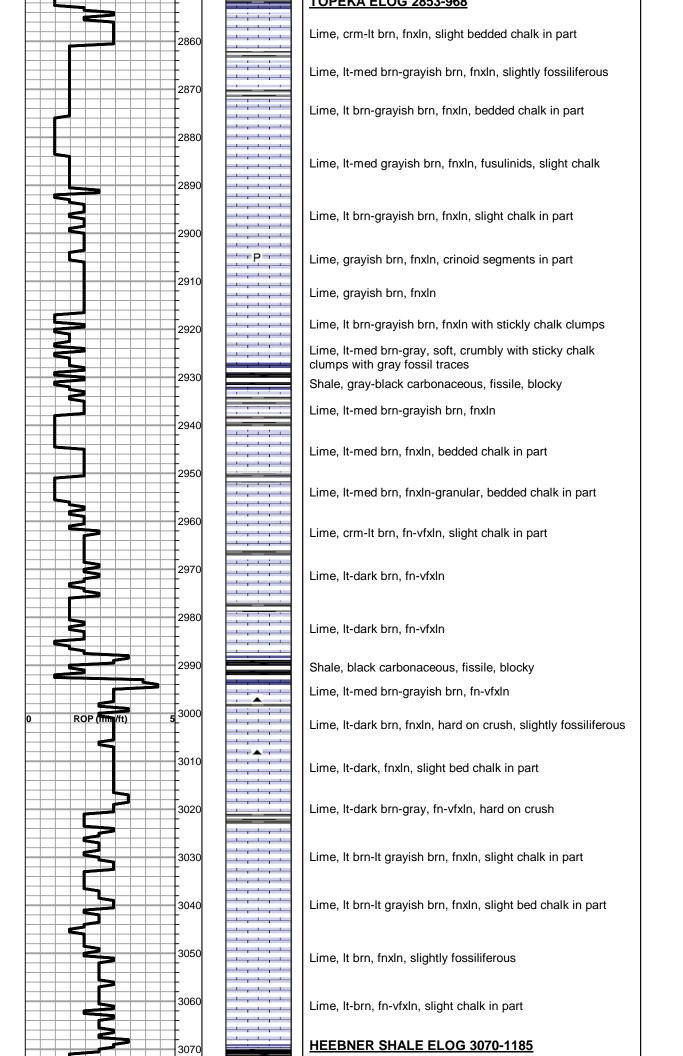
Ref. No:

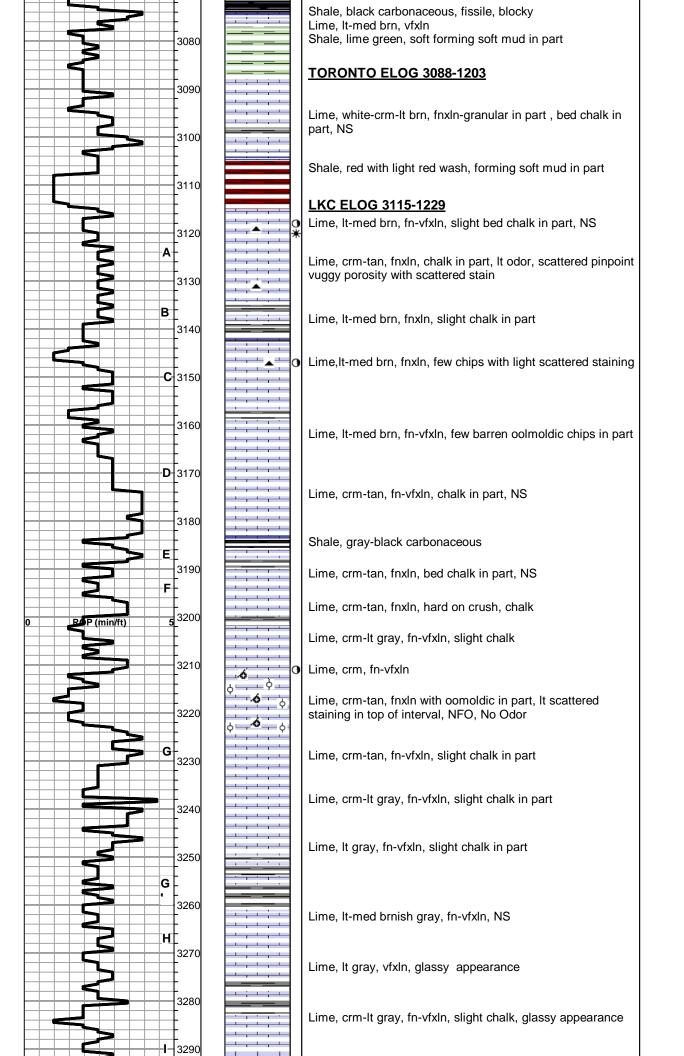
48613

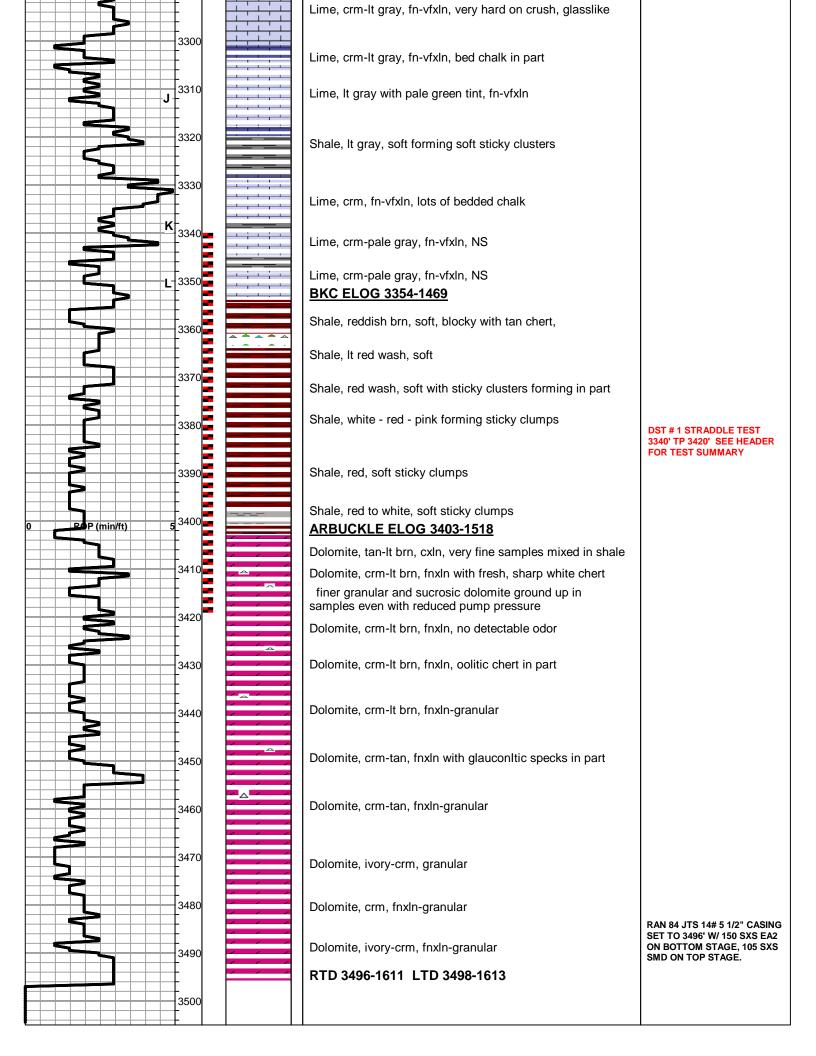
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QUALITY OILWELL CEMENTING, INC. Federal Tax I.D.# 20-2886107

Phone 785-483-2025

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

No. 6177

Cell 785-324-1041				
Date 11-2-12 Sec. 21	Twp. Range	EII	County State On Location Finish	>PM
Lease Dreiling D	Well No.	Locati	owner Owner Companing Ins	- 10/S
Contractor Southwin	八世		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 list	ted
Type Job Sustace	23 2 1		Charge Charge	
Hole Size	T.D. 033		To 1 D D D D D D D D D D D D D D D D D D	
Csg. 3-1/3-1	Depth 13		Street	
Tbg. Size	Depth		City State	ractor
Tool	Depth # <		The above was done to satisfaction and supervision of owner agent or cont	3%(
Cement Left in Csg. /) *	Shoe Joint /	<u> </u>	731 (_7 // 0
Meas Line EQUIPM		<u> </u>	0 / 0 () E Common / 50	
No Cementer	<u> </u>		Poz. Mix	****
Pumptrk Helper No. Driver	1000 C	m	- Gel. 3	
Bulktrk Driver No. Driver	CHI BOK	, , ,	Calcium	
JOB SERVICES	& REMARKS		Hulls	
Remarks: Company of	- 1-11	ite	Salt	
Rat Hole	20 010	<u> </u>	Flowseal	
Mouse Hole			Koi-Seal	
Centralizers			Mud CLR 48	
Baskets			CFL-117 or CD110 CAF 38	
D/V or Port Collar	ACTOR	0 100	Sand	
			Handling /58	
			Mileage	
			FLOAT EQUIPMENT	
			Guide Shoe	
3 4			Centralizer	100000
			Baskets	
			AFU Inserts	
			Float Shoe	
			Latch Down	
				
			Pumptrk Charge Suv Face	
200.000			Mileage /6	
			Discount	
x // / A				
Signature Alely			Total Charge	

OMER	TOI	-	WELL NO.	48	-	LEASE Drei	lina	JOBTYPE 2-stage	TICKET NO. 962
IART	TIME	RATE	VOLUME	PUN	PS	PRESSUR	E (PSI)	DESCRIPTION OF OPERATION	
10,	2145	(BPM)	(BBL) (GAL)	T	С	TUBING	CASING		
	PIP							orloc set upl	- <u>k</u> 3
-								RTD 3498' L	TD 3496'
								RTD 3498' L 52" × 14 th x 3498' x 4	2'
		25						Cent, 13,5,87,8,10 Besk 2,13,60,74 DV 60@ 972'	2,12,59
								Bask 2,13,60,74	
			1000					DV 60@ 972'	
	استون ا								
	2115				ļ		10000000	Start FE Break Circ	
\dashv	2220							Break Circ	21 22
	2330	5	C				200	Start Preflushes 20	gat Mad Hush
		5	32/0			, ş•	200	Start 150sks EA-	7
	2345		36					End Cement	
								wash Pth Drops	DP/49
	2350	6	0				200	Stat Douber	
	0000	5	61				250	Catch Cenent /h	Chin last 200
	0007		84.5					Land Plug	
								Release Pressure	FloatHeld
	0010		- //					Drop Cpening Plug Plug BH &MH 30	
_	0015	2,5	- /-				1100	Plug RH&MH 30	115 sks 5 MD
	0030	\$4,5	0				150	Start Cement	
	0045		60				150	End Conest Drop Closing Plug Start Displacement Circ Conest	
	110100	5	6	**				Chaples mally	
	1050	4	27				300	Circ Cenest	
	0100	7	28			3	50/	-i.e cemen	
			20				1500	Land Plug Close DI PRelease Pro	sowel De Clas
		1						mens who had the construction	ال را الما الما الما الما الما الما الما
								circls sks +	o p, t
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\dashv									
					_			Thunkyou	
_				042.00-02.12				Nick Wayne, Du	

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/

Sam Brownback, Governor

Mark Sievers, Chairman Thomas E. Wright, Commissioner Shari Feist Albrecht, Commissioner

January 23, 2013

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

Re: ACO1 API 15-051-26408-00-00 Dreiling D 8 NE/4 Sec.21-14S-16W 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