		OPERATOR		
	Company: Address:	TDI, INC 1310 BISON ROAD HAYS, KANSAS 67601		
	Contact Geologist: Contact Phone Nbr: Well Name: Location: Pool: State:	TOM DENNING 785-628-2593 MARSHA # 1 W2 SE SW SW Sec.21-15s-18w KANSAS	API: Field: Country:	15-051-26,559-00-00 SCHOENCHEN WEST USA
l	State.		Country.	
		TDI, Inc. 1310 BISON ROAD HAYS, KANSAS 67601 (785) 628-2593		
		Scale 1:240 Imperial		
	Well Name: Surface Location: Bottom Location: API:	MARSHA # 1 W2 SE SW SW Sec.21-15s-18w 15-051-26,559-00-00		
	License Number: Spud Date:	4787 8/19/2013	Time:	4:45 PM
	Region: Drilling Completed: Surface Coordinates:	ELLIS COUNTY 8/26/2013 330' FSL & 850' FWL	Time:	11:45 AM
	Bottom Hole Coordinates: Ground Elevation: K.B. Elevation: Logged Interval: Total Depth: Formation: Drilling Fluid Type:	1950.00ft 1960.00ft 2800.00ft 3695.00ft LANSING-KANSAS CITY CHEMICAL/FRESH WATER GEL	To:	3695.00ft
ĺ		SURFACE CO-ORDINATES		
	Well Type: Longitude: N/S Co-ord:	Vertical -99.3351958 330' FSL	Latitude:	38.7268336

E/W Co-ord: 850' FWL LOGGED BY С ONSULTIN G SOLUTIONS CONSULTING, INC 108 W 35TH Company: Address: HAYS, KS 67601 Phone Nbr: (785) 639-1337 Logged By: Geologist Name: HERB DEINES CONTRACTOR Contractor: SOUTHWIND DRILLING INC. Rig #: 1

K.B. Elevation:	1960.00ft	Ground Elevation: 1950.00ft	
		ELEVATIONS	
Rig Release:	8/27/2013	Time: 5:15 AM	
TD Date:	8/26/2013	Time: 11:45 AM	
Spud Date:	8/19/2013	Time: 4:45 PM	
Rig Type:	MUD RUTAR	Y	

NOTES

RECOMMENDATION TO PLUG AND ABANDON WELL DUE TO NEGATIVE RESULTS OF TWO DSTS AND LOW STRUCTURE OF CONGLOMERATE SAND

OPEN HOLE LOGGING BY PIONEER ENERGY SERVICES: DUAL INDUCTION LOG, DUAL COMPENSATED POROSITY LOG, MICRORESISTIVITY LOG

DRILL STEM TESTING BY TRILOBITE TESTING INC: TWO (2) CONVENTIONAL TESTS

K.B. to Ground:

10.00ft

FORMATION TOPS SUMMARY AND CHRONOLOGY OF DAILY ACTIVITY

	MARSHA # 1 330' FSL & 850' F Sec. 21-15s-18w 1950' GL 1960' F		BIEKER # 1 SW SE SW Sec 21-15s-18w Reference Well
FORMATION	SAMPLE TOPS	LOG TOPS	LOG TOPS
Anhydrite	1124+ 836	1123+ 837	+ 820
B-Anhydrite	1156+ 804	1156+ 804	
Topeka	2909- 949	2903- 943	- 942
Heebner Shale	3188-1228	3185-1225	-1225
Toronto	3209-1249	3205-1245	-1245
LKC	3238-1278	3233-1273	-1274

ВКС	3466-1506	3462-1502	-1503
Conglomerate SS	3549-1589	3547-1587	-1608
Arbuckle	3561-1601	3561-1601	-1611
RTD& LTD	3695-1735	3693-1733	

SUMMARY OF DAILY ACTIVITY

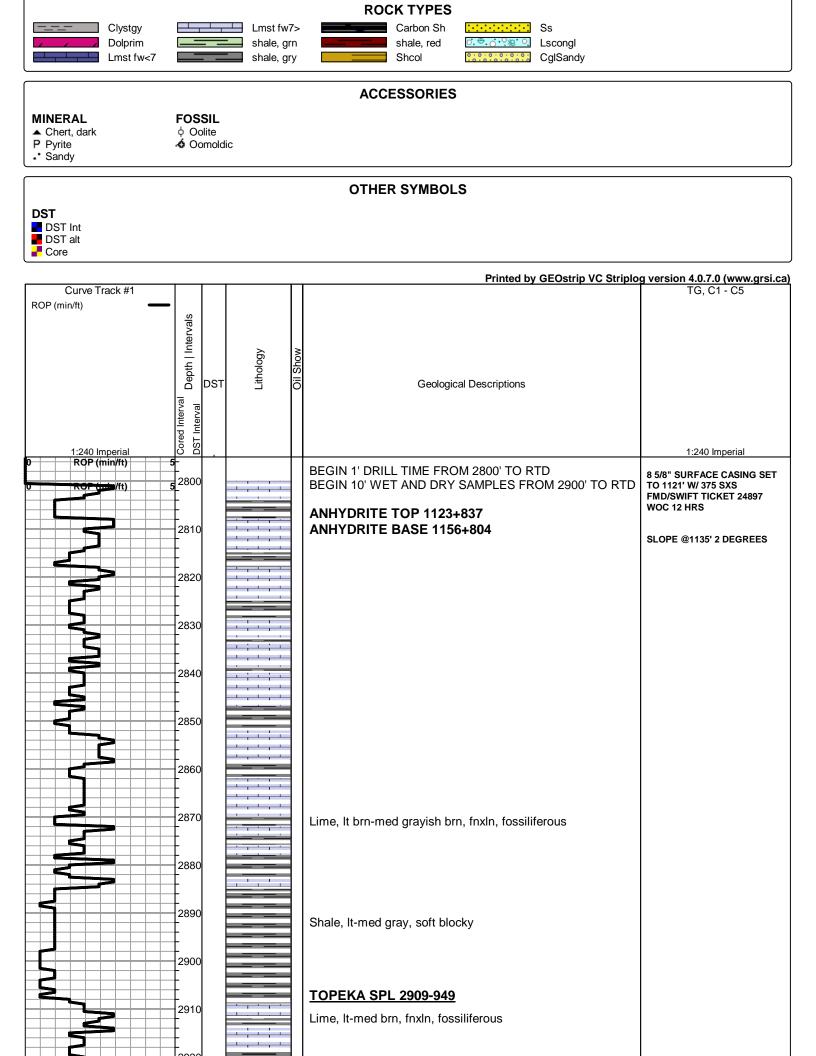
8	8-19-13	RU, spud 4:45 PM,
8	8-20-13	786', set 8 5/8" surface pipe to 1121' w/ 375 sxs (Swift) FMD, plug
		down 9:00 PM, WOC 12hrs, slope 2 degrees
8	3-21-13	1135,'WOC, drill plug at 9:00 am
8	8-22-13	2082', drilling

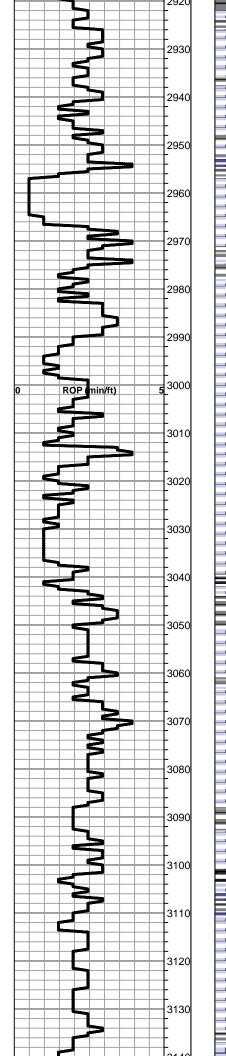
- 8-23-13 2675', drilling, displaced 2877' to 2908'
- 8-24-13 3220', CFS@3290', DST # 1 "A" to "D" LKC 3220'- 3290', slope 1/2
- 8-25-13 3382', CFS@3445', DST # 2 "H" to "K" LKC 3354'-3445'
- 8-26-13 3555', drilling, RTD 3695' @11:45am, CCH, TOWB, logs, P&A
- 8-27-13 3695', LDDP and finish plugging well, plug down 5:15 am

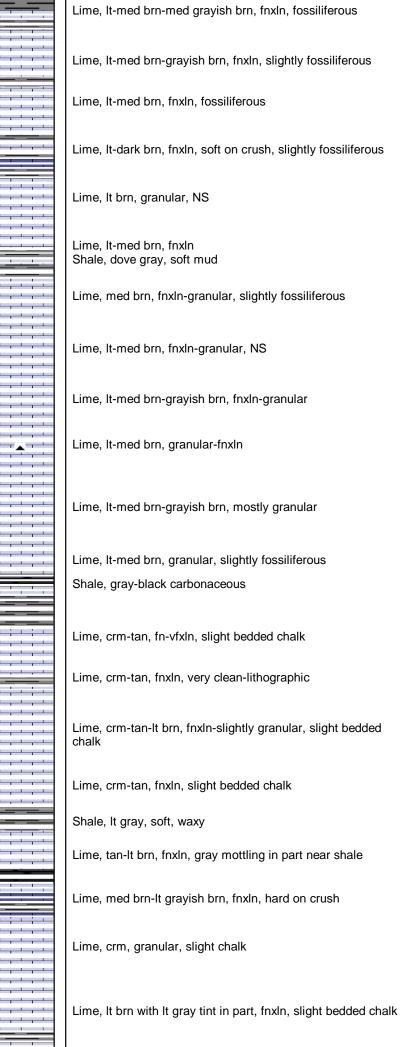
DST # 1 TEST SUMMARY

	DRILL STEM TEST REPORT							
RILOBITE	TDI Inc.		21-	15-18- E	liis Co.			
ESTING , INC	1310 Bison Rd.				Marsha #1			
	Hays, KS 67601		Job	Ticket: 54	390	DST#:1		
	ATTN: Herb Deines		Tes	t Start: 20)13.08.24 @	15:06:13		
GENERAL INFORMATION:	ł							
Formation:A-DDeviated:NoWhipstock:Time Tool Opened:18:15:33Time Test Ended:21:58:22	ft (KB)		Tes	ter:	Con∨entional Tate Lang 41	Bottom Hole (Initial)		
Interval:3220.00 ft (KB) To33Total Depth:3290.00 ft (KB) (THole Diameter:7.88 inchesHol			Ref	erence Be KB t	vations: o GR/CF:	1964.00 ft (KB) 1954.00 ft (CF) 10.00 ft		
Serial #: 8322 Outside Press@RunDepth: 63.44 psig Start Date: 2013.08.24 Start Time: 15:06:14 TEST COMMENT: Slid 20 ft Weaks Dead no blow b Dead no blow F	End Date: End Time: surface blow started at 3 1/4in Died			b.: Btm: : Btm: :	2013.08.24 @ 2013.08.24 @			
pulled it Pressure vs. '	lime	1	PI	RESSUE		ARY		
	ASS2 Tempenáre - 105	Time	Pressure	Temp	Annotation			
		(Min.) O	(psig) 1561.44	(deg F) 103.15	Initial Hydro	-static		
		1	63.49	102.59	Open To Flo			
		31 75	63.44 163.93	102.73 102.91	Shut-In(1) End Shut-In	(1)		
	1	76	63.54	102.88				
		91	1534.00	103.42	Final Hydro	-static		
Recovery				Ga	s Rates			
Length (ft) Description	Volume (bbl)			Choke (i		e (psig) Gas Rate (Mcf/d)		
100.00 100%M	1.40							

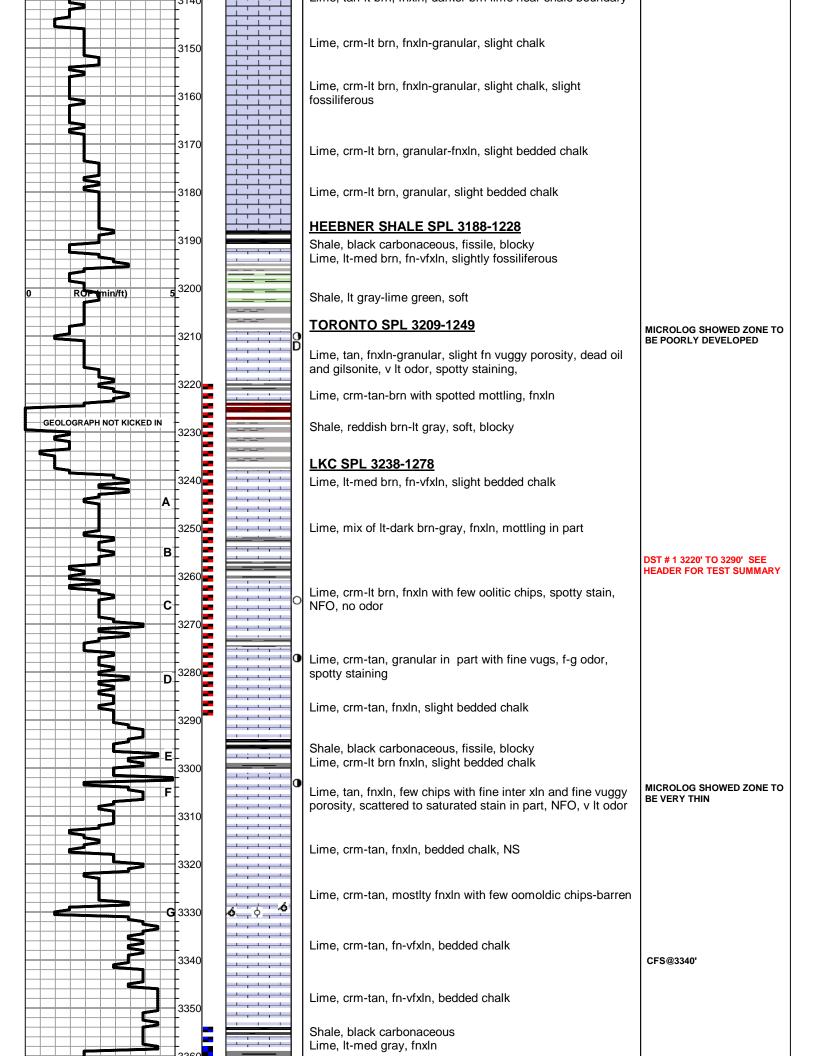
	esting, Inc	Ref. No: 54390			Printed: 2013.08.2			
		DST # 2 TES	T SUMMAR	Y				
ATT.		DRILL STEM TEST REPORT						
(HU)	<u>RILO</u> BITE	TDI Inc.		21-1	5-18- Eliis Co.			
	ESTING , INC.	1310 Bison Rd. Hays, KS 67601			sha #1 ïcket: 54391	DST#:2		
		ATTN: Herb Deines			Start: 2013.08.25 (
Formation: Deviated: Time Tool Ope	INFORMATION: H,I,J,K No Whipstock: ened: 16:30:02 ded: 21:08:42 3354.00 ft (KB) To 34 3445.00 ft (KB) (T)			Teste Unit N	r: Tate Lang	1964.00 ft (KB) 1954.00 ft (CF) 10.00 ft		
Start Time:	14:50:43 IMENT: Fair surface blog Dead no blow ba Fair surface blog Dead no blow ba	ack v buit to 5in.	21:08:42	Time On B Time Off B		5 @ 16:29:52 5 @ 19:29:02		
	Pressure vs. T			PR	ESSURE SUM	MARY		
500 520 520 520 520 520 520 520			Time (Min.) 0 1 46 90 90 136 179 180	Pressure (psig) 1624.80 13.53 16.64 85.04 15.12 18.33 78.79 1580.47	Temp Annota (deg F) 104.26 Initial Hyd 103.64 Open To 104.63 Shut-In(1 104.88 End Shut 104.87 Open To 105.13 Shut-In(2 105.31 End Shut 105.73 Final Hyd 105.73 Final Hyd	dro-static Flow (1)) :-In(1) Flow (2) ?) :-In(2)		
	Recovery				Gas Rates			
Length (ft)	Description	Volume (bbl)				sure (psig) Gas Rate (Mct/d)		
20.00 0.00	8%O 92%M 100' GIP	0.28 0.00						
* Recovery from m								

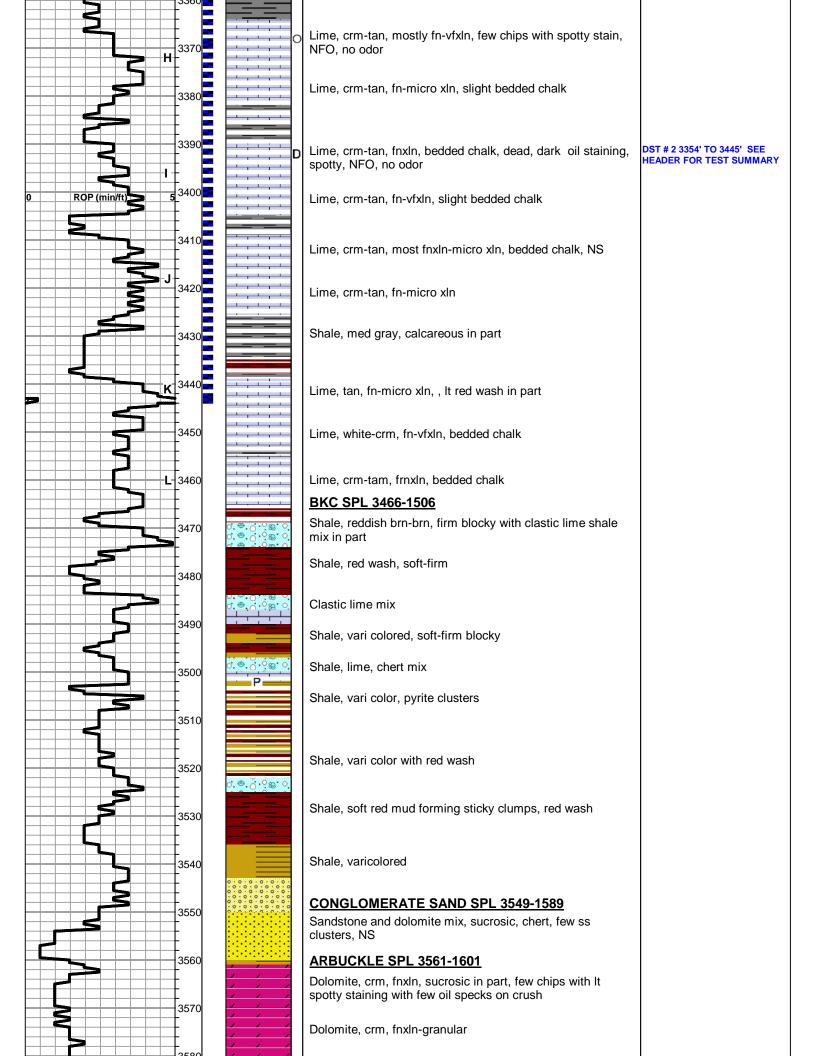


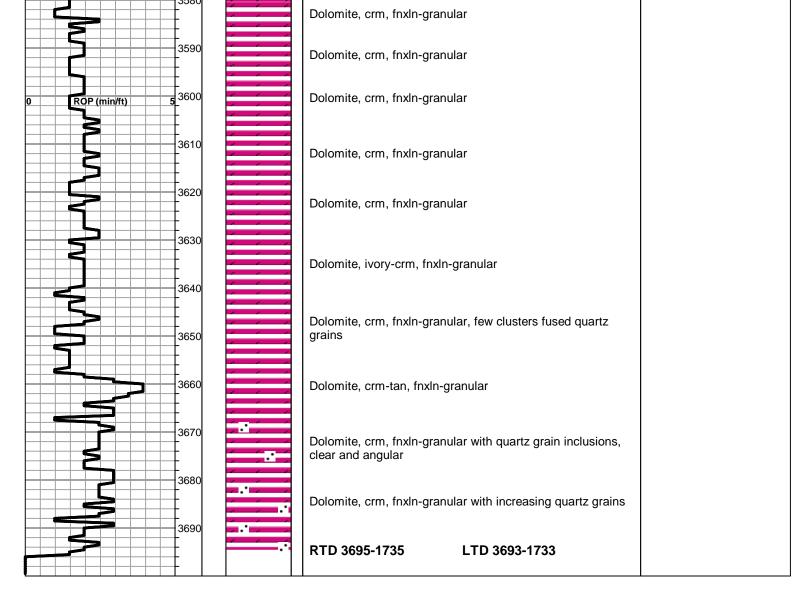




Lime tan-It brn fnxln darker brn lime near shale boundary







JOB LO	OG				SWIFT	Serv	ices, Inc.	DATE S- 2073 PAGENO
CUSTOMER	TOI	٢	WELL NO.	1	LEASE Ma			TICKET NO. 24897
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS T C	PRESSUR		DESCRIPTION OF OPERATION	
	1500						onloc wIFE	
							RTD 1135'	
							RTD 1135' 858"×23#× 1133'	×17'
							Turba 1, 3, 13	
	1730						start FE	
	1930						Sturt FE Break Circ	
	2000	5	0			200	Start KCL Flush	
	2005	5	2010				Start SMD 100sks	11,2 ^{tt}
	2016		5510			200	start SMD loosks,	12,5 #
	2023	5	37/0			200	Start SMD 1005ks 1	3.5 #
	2029		31/0			200	Start SMD 255KS	14.5#
	2033		21				End Coment	
							Drop Plug Start Displace ment Circulate cement	·····
	2038	5	0			150	Start Displacement	
	2047	4	45			300	Circulate coment	4
	2055		71.5			140	Lund Plug	
						700	Shut In	· · · · · · · · · · · · · · · · · · ·
	а 		4					
							₹	
							Circ 50sks top	0,1
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							Thank you	
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							Nick, David E.	*Koh
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STOMER	ーカート		WELL NO. #	ti	LEASE A	a. m. l	JOB TYPE
	DI			PUMPS	LEASE M		JOB TYPE TO Abandon 24997
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	T (TUBING	CASING	DESCRIPTION OF OPERATION AND MATERIALS
	2215				7/2 D	<i>P.</i>	On location - 235 SKS 60/40 Poz
	<u> </u>					L	Rig LDDP 44662
				15			Rig run Plugging Stats to 3560
	2400						D.P. @ 3560 - Rig cir
	0030						151 Plug 3560'- 50 SKS ceat
			10		100		10 BBI the
			12/2		100		12 1/2 B8/ Caret- 505KS
			31/2		100		31/2 BBI HED there tab
<u>.</u>	0100		40		a	1	Res plang +0 BBI Hlad
		in thight day.	16				Reg preng +0 BBI Hend 2 ad Play 1170 - Fill hole
			10				10 BBI H,0
			10				
	(1	10				10 BB1 cent - 40 sks 10 BB1 theo three fulls
							319 Plug 450' - fill hele
			5				5 BB1 Hz0
			23				23 BBI cont - 20 sta cont
	0330		1				1 BB1 H20
			3				10 5ks @ 40' 8% Plug
			7/2				30 SK2 @ RH
		2. SHILES	4				15 sts eart
							Job Complete
4	2515						Washing & Racking
							/ 100
	0545			· · ·			A alt of a
							Mu Astan
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		3 Concern					
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