	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 ROHLEDER # 3 NE SW NW SW Sec.27-14s-16w IN FIELD KANSAS	API: Field: Country:	15-051-26,410-00-00 DREILING USA	
[에는 아들, 그 모아 집안 같은 것은 일종한 것은 것 같은 것은 것 같은 것 같이 많다.			

	TDI, Inc. 1310 BISON ROAD HAYS, KANSAS 67601 (785) 628-2593 Scale 1:240 Imperial			
Well Name: Surface Location:	ROHLEDER # 3 NE SW NW SW Sec.27-14s-16w			
Bottom Location:				
API:	15-051-26,410-00-00			
License Number:	4787 11/8/2012	Time:	3:15 PM	
	ELLIS COUNTY	Time.	0.1011	
Drilling Completed:	11/13/2012	Time:	2:51 AM	
	1950' FSL & 465' FWL			
	1857 00ft			
Logged Interval:	2500.00ft	To:	3500.00ft	
Total Depth:	3500.00ft			
Drilling Fluid Type:	CHEMICAL/FRESH WATER			
	SURFACE CO-ORDINATES			\neg
	Voltiour	Latitude:		
N/S Co-ord:	1950' FSL			
Surface Coordinates: Bottom Hole Coordinates: Ground Elevation: K.B. Elevation: Logged Interval: Total Depth: Formation: Drilling Fluid Type: Well Type: Longitude:	ELLIS COUNTY 11/13/2012 1950' FSL & 465' FWL 1857.00ft 1867.00ft 2500.00ft 3500.00ft ARBUCKLE CHEMICAL/FRESH WATER SURFACE CO-ORDINATES Vertical	Time: To:	2:51 AM	

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

Contractor: SOUTHWIND DRILLING INC Rig #: 1 Α.

465' FWL

E/W Co-ord:

K.B. Elevation:	1867.00ft	Ground Elevation:	1857.00ft	
		ELEVATIONS		
Rig Release:	11/14/2012	Time:	10:30 AM	
TD Date:	11/13/2012	Time:	2:51 AM	
Spud Date:	11/8/2012	Time:	3:15 PM	
Rig Type:	MUD RUTAR	Y		

NOTES

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

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

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

10.00ft

K.B. to Ground:

FORMATION TOPS SUMMARY AND CHRONOLOGY OF DAILY ACTIVITY

ROHLEDER # 3 1950' FSL & 465' FWL, SW/4 Sec. 27-14s-16w 1857' GL 1867' KB

FORMATION	SAMPLE TOPS	LOG TOPS
Anhydrite	967+ 900	972+ 895
B-Anhydrite	1006+ 861	1008+859
Topeka	2846- 979	2847- 980
Heebner Shale	3067-1200	3066-1199
Toronto	3088-1221	3086-1219
LKC	3112-1245	3114-1247
ВКС	3342-1475	3343-1476
Arbuckle		3358-1491
RTD	3500-1633	
LTD		3501-1634

SUMMARY OF DAILY ACTIVITY

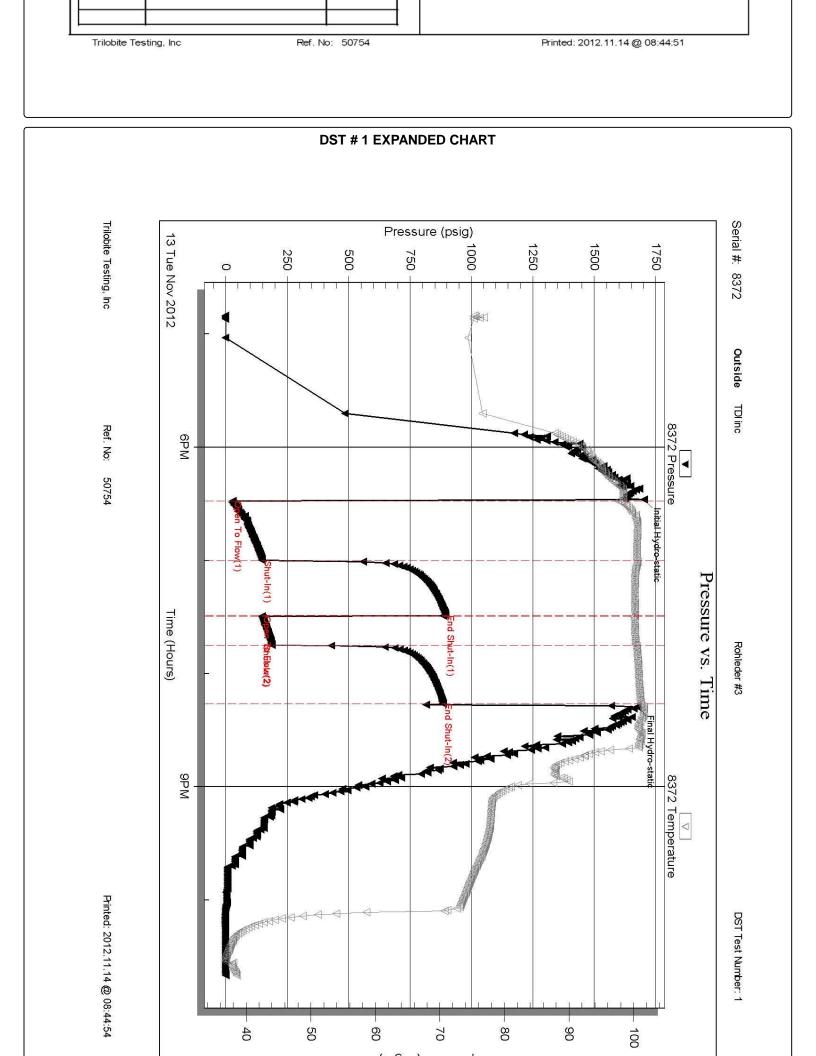
11-08-12	Spud 3:15 PM, set 8 5/8" surface casing to 226' w/ 150 sxs common,
	2%Gel, 3%CC, plug down 7:30pm, WOC 8 hrs, slope ½ degree
11-09-12	381', drill plug at 3:30 AM
11-10-12	1560', drilling
11-11-12	2370', drilling, displace 2673'-2691'

11 12 12 200E/ duilling DTD 2406/ @ 9.22mm COU shout tring

- 11-12-12 5085, drilling, KTD 5496 @ 8:55pm, CCH, short trip
- 11-13-12 3500', RTD 2:51 am, short trip, CCH, TOWB, logs, straddle test # 1 3320' – 3396', LDDP
- 11-14-12 3500', LDDP, run 5 ½" casing, cementing, plug down 10:30 AM, RD

DST # 1 TEST SUMMARY

CON TO	ILOBITE	DRILL	STEM T	ES	TREP	ORT			
		TDI inc				24-14s-16w Ellis			
	ESTING , INC.	1310 Bison i				Ro	hleder #	#3	
		Hays Ks. 67	601			Job	Ticket: 50	0754	DST#:1
		ATTN: Herl	b Deines			Tes	at Start: 20	012.11.13 @	0 16:50:05
GENERAL INFOR	RMATION:								
	rbuckle					T = -		Oti	
Deviated: Ni Time Tool Opened: 18		ft	(KB)					Conventiona Andy Carre	al Straddle (Initial) ira
Time Test Ended: 22								39	
Interval: 3329	9.00 ft (KB) To 33	96.00 ft (KB) ((TVD)			Ref	erence Be	evations:	1867.00 ft (KB)
Total Depth:	3500.00 ft (KB) (TV	/D)							1857.00 ft (CF)
Hole Diameter:	7.88 inchesHole	Condition: Fa	air				KBt	to GR/CF:	10.00 ft
Serial #: 8372	Outside								
Press@RunDepth:	188.18 psig	@ 3324.00	0 ft (KB)			Capacity	0		8000.00 psig
Start Date:	2012.11.13	End Da			2012.11.13	Last Cali			2012.11.13
Start Time:	16:50:05	End Tin	ne:		22:40:10	Time On Time Off			@ 18:27:30 @ 20:17:50
TEST COMMENT	T: IF:(30min) 6" blov ISI:(30min) No Re FF:(15min) 6" blo FSI:(30min) No R	eturn w in 7 min. BC							ę
	ISI:(30min) No Re FF:(15min) 6" blo FSI:(30min) No R	eturn w in 7 min. BC leturn	0B in 13 min.						
	ISI:(30min) No Re FF:(15min) 6" blo FSI:(30min) No R	eturn w in 7 min. BC leturn	0B in 13 min.		Time	Pressure	RESSUF Temp	RE SUMM	IARY
1780	ISI:(30min) No Re FF:(15min) 6" blo FSI:(30min) No R	eturn w in 7 min. BC leturn	0B in 13 min.	- 100	(Min.)	Pressure (psig)	RESSUF Temp (deg F)	RE SUMM	IARY on
	ISI:(30min) No Re FF:(15min) 6" blo FSI:(30min) No R	eturn w in 7 min. BC leturn	0B in 13 min.	- 100	(Min.) O	P Pressure (psig) 1701.57	RESSUF Temp (deg F) 98.39	RE SUMM Annotatik Initial Hydr	IARY on ro-static
1780	ISI:(30min) No Re FF:(15min) 6" blo FSI:(30min) No R	eturn w in 7 min. BC leturn	0B in 13 min.		(Min.)	Pressure (psig) 1701.57 28.77	RESSUF Temp (deg F) 98.39 97.56	RE SUMM Annotation Initial Hydr Open To F	IARY on ro-static Flow (1)
1780	ISI:(30min) No Re FF:(15min) 6" blo FSI:(30min) No R	eturn w in 7 min. BC leturn	0B in 13 min.		(Min.) 0 1	P Pressure (psig) 1701.57	RESSUF Temp (deg F) 98.39	RE SUMM Annotation Initial Hydr Open To F Shut-In(1)	IARY on ro-static Flow (1)
1780	ISI:(30min) No Re FF:(15min) 6" blo FSI:(30min) No R	eturn w in 7 min. BC leturn	0B in 13 min.		(Min.) 0 1 33 62 62	Pressure (psig) 1701.57 28.77 149.11 896.06 147.48	RESSUF Temp (deg F) 98.39 97.56 100.51 100.26 99.94	RE SUMM Annotatik Initial Hydr Open To F Shut-In(1) End Shut-I Open To F	IARY on To-static Tow (1) In(1) Tow (2)
1750	ISI:(30min) No Re FF:(15min) 6" blo FSI:(30min) No R	eturn w in 7 min. BC leturn	0B in 13 min.	S & R	(Min.) 0 1 33 62 62 78	Pressure (psig) 1701.57 28.77 149.11 896.06 147.48 188.18	RESSUF Temp (deg F) 98.39 97.56 100.51 100.26 99.94 100.31	RE SUMM Annotation Initial Hydr Open To F Shut-In(1) End Shut-In Open To F Shut-In(2)	IARY on To-static Flow (1) In(1) Flow (2)
1750	ISI:(30min) No Re FF:(15min) 6" blo FSI:(30min) No R	eturn w in 7 min. BC leturn	0B in 13 min.		(Min.) 0 1 33 62 62 78 109	Pressure (psig) 1701.57 28.77 149.11 896.06 147.48 188.18 885.98	RESSUF Temp (deg F) 98.39 97.56 100.51 100.26 99.94 100.31 101.07	RE SUMM Annotation Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I	IARY on To-static Flow (1) In(1) Flow (2) In(2)
1750	ISI:(30min) No Re FF:(15min) 6" blo FSI:(30min) No R	eturn w in 7 min. BC leturn	0B in 13 min.	S & R	(Min.) 0 1 33 62 62 78	Pressure (psig) 1701.57 28.77 149.11 896.06 147.48 188.18	RESSUF Temp (deg F) 98.39 97.56 100.51 100.26 99.94 100.31	RE SUMM Annotation Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I	IARY on To-static Flow (1) In(1) Flow (2) In(2)
770 900 900 900 900 900 900 900 900 900	ISI:(30min) No Re FF:(15min) 6" blo FSI:(30min) No R Pressure vs. T	eturn w in 7 min. BC leturn	0B in 13 min.	S & R	(Min.) 0 1 33 62 62 78 109	Pressure (psig) 1701.57 28.77 149.11 896.06 147.48 188.18 885.98	RESSUF Temp (deg F) 98.39 97.56 100.51 100.26 99.94 100.31 101.07	RE SUMM Annotation Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I	IARY on To-static Flow (1) In(1) Flow (2) In(2)
	ISI:(30min) No Re FF:(15min) 6" blo FSI:(30min) No R	eturn w in 7 min. BC leturn	0B in 13 min.	S & R	(Min.) 0 1 33 62 62 78 109	Pressure (psig) 1701.57 28.77 149.11 896.06 147.48 188.18 885.98	RESSUF Temp (deg F) 98.39 97.56 100.51 100.26 99.94 100.31 101.07	RE SUMM Annotation Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I	IARY on To-static Flow (1) In(1) Flow (2) In(2)
	ISI:(30min) No Re FF:(15min) 6" blo FSI:(30min) No R Pressure vs. T	terrn wein 7 min. BC	0B in 13 min.	S & R	(Min.) 0 1 33 62 62 78 109	Pressure (psig) 1701.57 28.77 149.11 896.06 147.48 188.18 885.98	RESSUF Temp (deg F) 98.39 97.56 100.51 100.26 99.94 100.31 101.07	RE SUMM Annotation Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I	IARY on To-static Flow (1) In(1) Flow (2) In(2)
	ISI:(30min) No Re FF:(15min) 6" blo FSI:(30min) No R Pressure vs. T	eturn w in 7 min. BC leturn	0B in 13 min.	S & R	(Min.) 0 1 33 62 62 78 109	Pressure (psig) 1701.57 28.77 149.11 896.06 147.48 188.18 885.98	RESSUF Temp (deg F) 98.39 97.56 100.51 100.26 99.94 100.31 101.07	RE SUMM Annotation Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I	IARY on To-static Flow (1) In(1) Flow (2) In(2)
	ISI:(30min) No Re FF:(15min) 6" blo FSI:(30min) No R Pressure vs. T	terrn wein 7 min. BC	0B in 13 min.	S & R	(Min.) 0 1 33 62 62 78 109	Pressure (psig) 1701.57 28.77 149.11 896.06 147.48 188.18 885.98	RESSUF (deg F) 98.39 97.56 100.51 100.26 99.94 100.31 101.56	RE SUMM Annotation Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I	IARY on To-static Flow (1) In(1) Flow (2) In(2)
	ISI:(30min) No Re FF:(15min) 6" blo FSI:(30min) No R Pressure vs. T	terrn wein 7 min. BC	0B in 13 min.	S & R	(Min.) 0 1 33 62 62 78 109	Pressure (psig) 1701.57 28.77 149.11 896.06 147.48 188.18 885.98	RESSUF (deg F) 98.39 97.56 100.51 100.26 99.94 100.31 101.56	RE SUMM Annotatik Open To F Shut-In(1) End Shut-I Shut-In(2) End Shut-In(2) End Shut-In(2) End Shut-In(2) Shut-In(2) End Shut-In(2)	IARY on To-static Flow (1) In(1) Flow (2) In(2)
1780 1780	ISI:(30min) No Re FF:(15min) 6" blo FSI:(30min) No R Pressure vs. T	eturn w in 7 min. BC teturn	DB in 13 min.	S & R	(Min.) 0 1 33 62 62 78 109	Pressure (psig) 1701.57 28.77 149.11 896.06 147.48 188.18 885.98	RESSUF Temp (deg F) 98.39 97.56 100.51 100.26 99.94 100.31 101.07 101.56	RE SUMM Annotatik Open To F Shut-In(1) End Shut-I Shut-In(2) End Shut-In(2) End Shut-In(2) End Shut-In(2) Shut-In(2) End Shut-In(2)	IARY on Fo-static Flow (1) In(1) Flow (2) In(2) Fo-static
1790 100 1000 1	ISI:(30min) No Re FF:(15min) 6" blo FSI:(30min) No R Pressure vs. T	eturn w in 7 min. BC ime construction ime cons	DB in 13 min.	S & R	(Min.) 0 1 33 62 62 78 109	Pressure (psig) 1701.57 28.77 149.11 896.06 147.48 188.18 885.98	RESSUF Temp (deg F) 98.39 97.56 100.51 100.26 99.94 100.31 101.07 101.56	RE SUMM Annotatik Open To F Shut-In(1) End Shut-I Shut-In(2) End Shut-In(2) End Shut-In(2) End Shut-In(2) Shut-In(2) End Shut-In(2)	IARY on Fo-static Flow (1) In(1) Flow (2) In(2) Fo-static
1780 1900	ISI: (30min) No Re FF: (15min) 6" blo FSI: (30min) No R Pressure vs. T	eturn w in 7 min. BC ime percention w =30% m=45° =50%	Volume (bbl) 6 0.84	S & R	(Min.) 0 1 33 62 62 78 109	Pressure (psig) 1701.57 28.77 149.11 896.06 147.48 188.18 885.98	RESSUF Temp (deg F) 98.39 97.56 100.51 100.26 99.94 100.31 101.07 101.56	RE SUMM Annotatik Open To F Shut-In(1) End Shut-I Shut-In(2) End Shut-In(2) End Shut-In(2) End Shut-In(2) Shut-In(2) End Shut-In(2)	IARY on Fo-static Flow (1) In(1) Flow (2) In(2) Fo-static



(7 emperature (ded F)

DST # 1 BOTTOM PACKER CHART

	RILOBITE	DRILL STEM 1				44- 40			
	ESTING , INC.	TDI inc				-14s-16w			
		1310 Bison rd Hays Ks. 67601				hleder #			
		149313.07001			Job	Ticket: 50	0754	DS.	T#: 1
and all the		ATTN: Herb Deines			Tes	st Start: 20	012.11.1	13 @ 16:50:0	05
GENERAL	INFORMATION:								
Formation:	Arbuckle								
Deviated:	No Whipstock:	ft (KB)						tional Stradd	lle (Initial)
Time Tool Ope							Andy Ca 39	arreira	
Interval:	3329.00 ft (KB) To 33	96.00 ft (KB) (TVD)				ference 🖂		1867	7.00 ft (KB)
Total Depth:	3500.00 ft (KB) (TV						oraciono		.00 ft (OF)
Hole Diameter:						KBt	to GR/CF		0.00 ft
Serial #: 8	647 Below (Strad	dle)							
Press@RunDe					Capacity				0.00 psig
Start Date:	2012.11.13	End Date:	2	2012.11.13	Last Cal			2012.11	.13
Start Time:	16:50:05	End Time:		22:38:39	Time On Time Off				
TEST COM	MENT: IF:(30min) 6" blov ISI:(30min) No Re FF:(15min) 6" blo								
	FSI:(30min) No R								
	Pressure vs. T	ime 0947 Temperature				RESSUF			
1780	UD-V Pressure	104/ Temperature	100	Time (Min.)	Pressure (psig)	Temp (deg F)	Anno	otation	
Ē		11	- 100	(19101.)	(poig)	(deg i)			
1500		1	- 00						
1250		1.							
-			-						
a F		- 1 -	- 00						
ŝ	//	- 1	Tempe						
			Temperature 20						
been been been been been been been been			Temperature 20						
			Temperature (deg						
700			Temperature 20						
beessene 200			Temperature (deg F) 2 8						
700			Temperature (deg F) 2 8						
700	0FM THE (Multi)		Temperature (deg F) 2 8						
	орм тинсонало) Recovery		Temperature (deg F) 2 8			Ga	s Rate		
	Time (Hours)	Volume (bb)	Temperature (deg F) 2 8			Ga		2 5 Pressure (psig)	Gas Rate (Mct/
2700 0 200 0 2	Recovery Description GOCVM g=10% o=15% v	Volume (bbl) w=30% m=45% 0.84	Temperature (deg F) 2 8			_			Gas Rate (Mct#
2700 0 2000 0	Time (Hours) Recovery Description	Volume (bbl) w=30% m=45% 0.84	Temperature (deg F) 2 8			_			Gas Rate (Mct/
2 Tue Ner 2012	Recovery Description GOCVM g=10% o=15% v	Volume (bbl) w =30% m=45% 0.84 =50% 2.17	Temperature (deg F) 2 8			_			Gas Rate (Mc1/
2 Tue Ner 2012	Recovery Description GOCVVM g=10% o=15% v OCGM g=10% o=40% mm	Volume (bbl) w =30% m=45% 0.84 =50% 2.17	Temperature (deg F) 2 8			_			Gas Rate (Mc0
2 Tue Ner 2012	Recovery Description GOCVVM g=10% o=15% v OCGM g=10% o=40% mm	Volume (bbl) w =30% m=45% 0.84 =50% 2.17	Temperature (deg F) 2 8			_			Gas Rate (Mct/
2 Tue Ner 2012	Recovery Description GOCVVM g=10% o=15% v OCGM g=10% o=40% mm	Volume (bbl) w =30% m=45% 0.84 =50% 2.17	Temperature (deg F) 2 8			_			Gas Rate (Mct/
2 Tue Ner 2012	Recovery Description GOCVM g=10% o=15% v OCGM g=10% o=40% m= MOGO g=10% m=40% o=	Volume (bbl) w =30% m=45% 0.84 =50% 2.17	Temperature (deg F) 2 8			Choke (i	inches) P		
Length (ft) 60.00 155.00 180.00	Recovery Description GOCVM g=10% o=15% v OCGM g=10% o=40% m= MOGO g=10% m=40% o=	Volume (bbi) w =30% m=45% 0.84 =50% 2.17 =50% 2.52	Temperature (deg F) 2 8			Choke (i	inches) P	Pressure (psig)	
Length (ft) 60.00 155.00 180.00	Recovery Description GOCVM g=10% o=15% v OCGM g=10% o=40% m= MOGO g=10% m=40% o=	Volume (bbi) w =30% m=45% 0.84 =50% 2.17 =50% 2.52	Temperature (deg F) 2 8			Choke (i	inches) P	Pressure (psig)	
Length (ft) 60.00 155.00 180.00	Recovery Description GOCVM g=10% o=15% v OCGM g=10% o=40% m= MOGO g=10% m=40% o=	Volume (bbi) w =30% m=45% 0.84 =50% 2.17 =50% 2.52	Temperature (deg F) 2 8			Choke (i	inches) P	Pressure (psig)	
Length (ft) 60.00 155.00 180.00	Recovery Description GOCVM g=10% o=15% v OCGM g=10% o=40% m= MOGO g=10% m=40% o=	Volume (bbi) w =30% m=45% 0.84 =50% 2.17 =50% 2.52	Temperature (deg F) 2 8			Choke (i	inches) P	Pressure (psig)	
Length (ft) 60.00 155.00 180.00	Recovery Description GOCVM g=10% o=15% v OCGM g=10% o=40% m= MOGO g=10% m=40% o=	Volume (bbi) w =30% m=45% 0.84 =50% 2.17 =50% 2.52	Temperature (deg F) 2 8			Choke (i	inches) P	Pressure (psig)	
Length (ft) 60.00 155.00 180.00	Recovery Description GOCVM g=10% o=15% v OCGM g=10% o=40% m= MOGO g=10% m=40% o=	Volume (bbi) w =30% m=45% 0.84 =50% 2.17 =50% 2.52	Temperature (deg F) 2 8			Choke (i	inches) P	Pressure (psig)	

MINERAL

▲ Chert, dark
 N Glauconite
 P Pyrite
 △ Chert White

FOSSIL ♦ Oolite

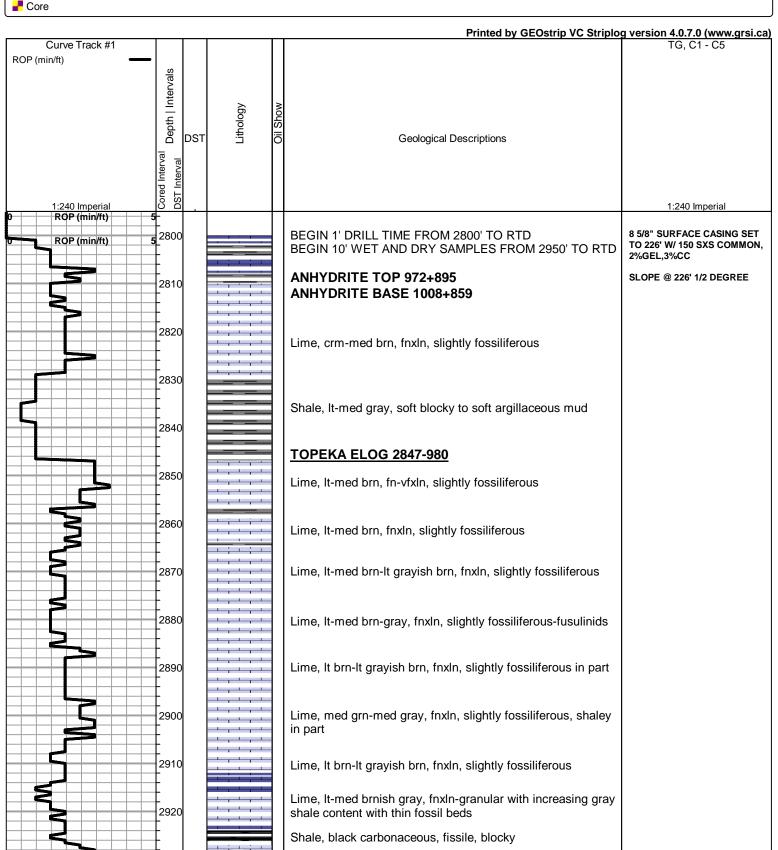
2930

o Oomoldic

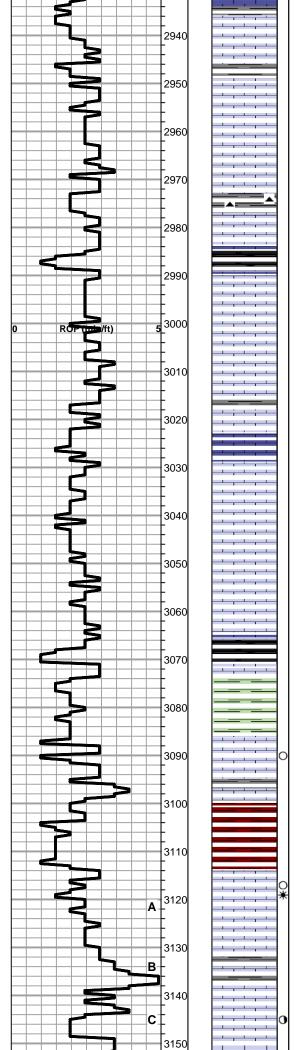
OTHER SYMBOLS

ACCESSORIES

DST DST Int DST alt



Lime, med brn, fnxln-granular with thin fossil beds



Lime, It-med brn, fnxln

Lime, crm, fn-vfxln, very clean appearance

Lime, crm-lt brn, fn-vfxln 1 chip with oil show in fossil cast-source ?

Lime, crm-lt gray, fnxln

Lime, It brn-It grayish brn, fnxln

Shale, black carbonaceous, fissile, blocky

Lime, It brn-It grayish brn, fnxln, slightly fossiliferous

Lime, It-med brn, fnxln with vfxln in part

Lime, It-med brn, fnxln with shaley fossil beds in part

Lime, off white-med gray, fnxln, slightly fossiliferous

Lime, crm-tan-lt brn, fnxln, thin chalk beds

Lime, It-med brn, fnxln

Lime, tan-lt brn, fnxln

Lime, crm-tan, fnxln, soft on crush, lite chalk beds in part

HEEBNER SHALE ELOG 3066-1199

Shale, black carbonaceous, fissile, blocky Lime, It-med brn, fnxln, fossiliferous, hard on crush

Shale, It lime green, soft blocky to soft argillaceous mud

TORONTO ELOG 3086-1219

Lime, crm-tan, fnxln, bedded chalk in part, trace of staining, NFO, No Odor

Lime, crm, fnxln, chalk in part, NS

Lt red wash to soft blocky

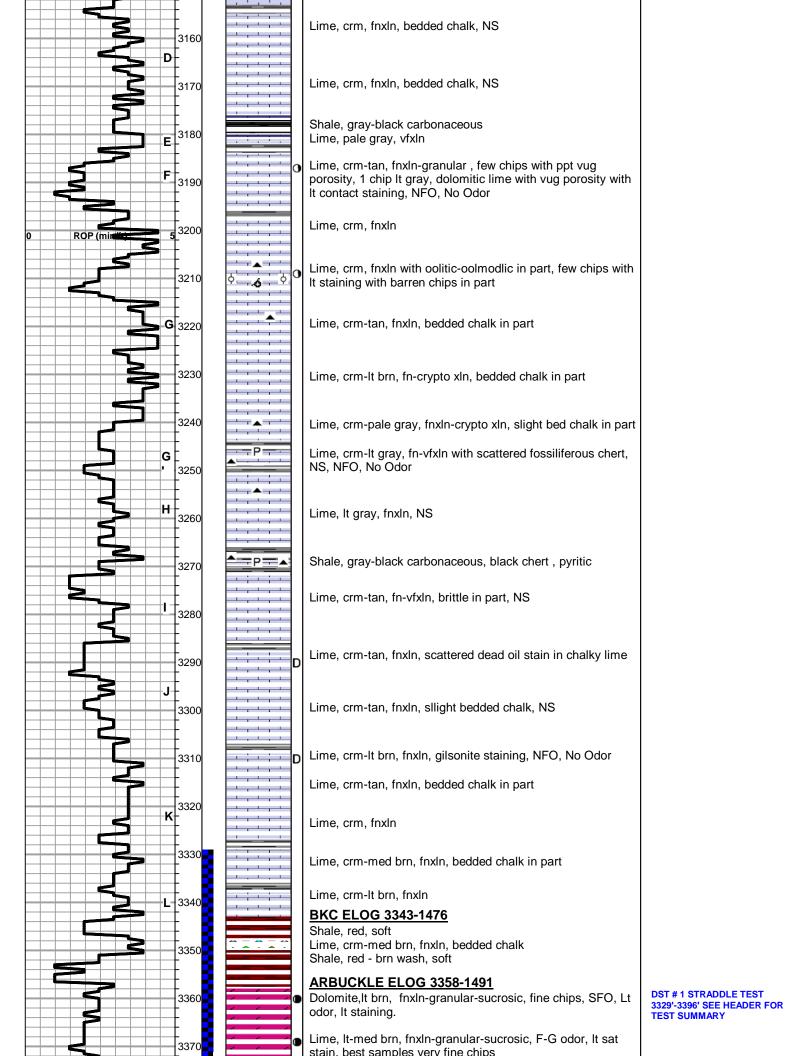
LKC ELOG 3114-1247

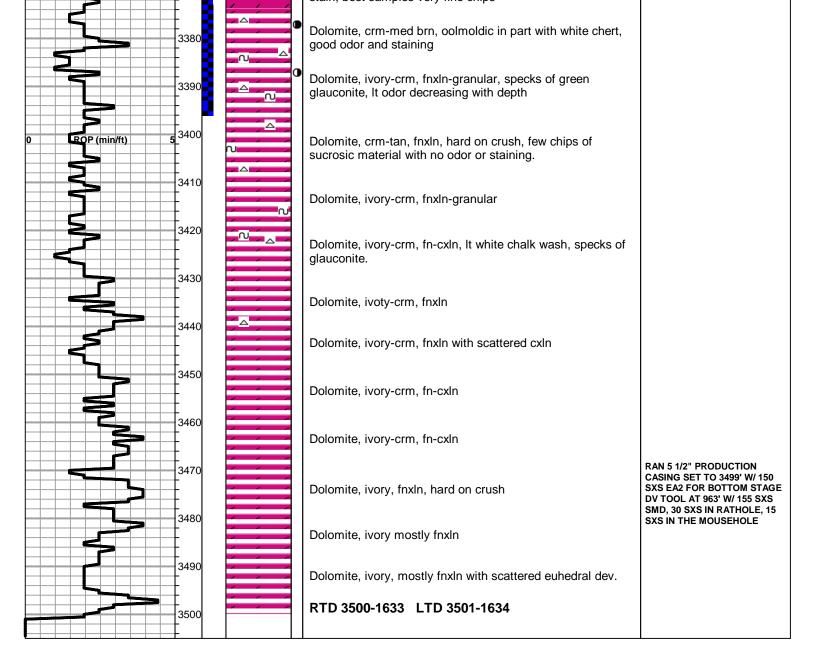
Lime, It brn, fnxln-granular, very lite odor with lite scattered staining in fine interxln and ppt vuggy porosity

Lime, crm-lt brn, fnxln

Lime, crm-tan, fnxln, bedded chalk in part

Lime, crm-lt brn, fnxln, scattered vuggy porosity with very lt staining





QUAL	ITY OILW	ELL CEMENTIN	NG, INC.
Phone 785-483-2025 Cell 785-324-1041		P.O. Box 32 Russell, KS 67665	No. 6092
Date 1-8-12 9	c. Twp. Range 7 14 16	E.IIIS IS	On Location Finish
Lease Rohlede	Well No. 3	Location Walleh 3.55 Owner To Quality Oilwell Cementing, Inc.	IN 43 EMR
Contracto Exath und 1 Type Job Gef Tace		You are hereby requested to rent cer cementer and helper to assist owner	nenting equipment and furnish or contractor to do work as listed.
Hole Size	т. 227	Charge To	
Csg. <u>6745</u> Tbg. Size	Depth 26.1 Depth	X Street P +	State
Tool	Depth	The above was done to satisfaction and	supervision of owner agent or contractor.
Cement Left in Csg. 7074 Meas Line	Shoe Joint AC Displace 3. 1919	Cement Amount Ordered 150	state to get
No. Cementer	JIPMENT	Common 150	
Pumptrk) Helper Bulktrk 1 No. Driver No. Driver No. Driver	Sect+	Gel. 3	
Bulktrk Driver	CES & REMARKS	Calcium 5 Hulls	
Remarks:		Salt	
Rat Hole		Flowseal	
Mouse Hole		Kol-Seal	
Centralizers		Mud CLR 48	
Baskets		CFL-117 or CD110 CAF 38	
D/V or Port Collar		Sand	
		Handling 138	
		Mileage	
	ħ	FLOAT EQUIPMEN	IT
Cernent c	Lid Cifulo	STC Guide Shoe	
		Centralizer	
		Baskets	
		AFU Inserts	
te de de de de la de la		Float Shoe	
		Latch Down	
		Pumptrk Charge Suv Fac	0
		Mileage /	
			Tax
			Discount
X Signature	$\nu \sim$		Total Charge

. .

IOB LC		·					ices, Inc.	DATE 1-14-12 PAGE NO
USTOMER	OI		WELL NO	r	LEASE, Kohl			TICKET NO. 21965
CHART NO.	TIME	RATE (8PM)	VOLUME (BBL) (GAL)	PUMPS T C	PRESSURE	(PSI) CASING	DESCRIPTION OF OPERATION	
	0600		1			0/10/110	caloc WIFE	
							RTD	
							52 "X 15 5 × 3499 × 4	"
							Cent. 1, 4, 6, 86, 9, 11	
							Risk. 3,13. 61, 75	· · · · · · · · · · · · · · · · · · ·
							DV 61(2 963'	
	6615						StartFE	
	0750						Born Ci-c	
				-			21-1 500.90	Im deluch
	0900		0				Asta-tPort. 20 55	
	6913	5	32/0			200	Start EA-2 Comu	[3] M. CONTROLOGICON (1997) 10
	0113		36				Engl Cement	· · · · · · · · · · · · · · · · · · ·
			· · · ·			<u></u>	Wash PtL	
	6926	6	0				Drip + DPlug	
	0100	6	60			250	Start Dieplacines Catch Cenent/Sta	+
	6940		825		7	50/00	Latch Cener 1 Sta	at the tot thesh
·	/4	 	44			4200	Land Plug IRe'un Drop Opening Plug	Eigr as which the
	0945	2.5	7/4				Plug RH+MH 3	- Jacob Sta
	2954					1100	Open D.V.	1913 225 -/11
	1955	5	0		Í	175	Start SMD Coment	155.ks
	0910		90				End Cenert	
							Diajo Clasing Plus	>
	09/5	5	0			150	Start Disvigcom	
		4	15			AC C	Drop Closing Plug Start Displacen Gira Cenen!	
(0925		23			-120	Land Play	
						ind.	Land Plug Close DV	
								·····
		····					cite 25 sks	tapt
							· · · · · · · · · · · · · · · · · · ·	/
							Thank you	
							Nick Pavid	E TKob