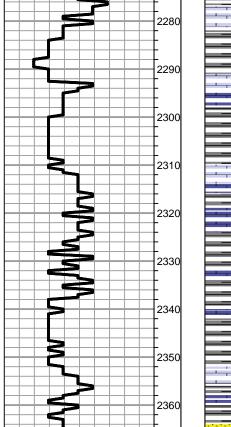
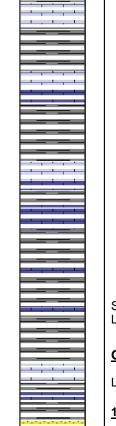
Company: Address: Contact Geologist: Contact Phone Nbr: Well Name: Location: Pool: State:		API: Field: Country:	15-167-23,932-00-00 HALL-GURNEY USA		
	Scale 1:240 Imperial				
Well Name: Surface Location: Bottom Location: API: License Number: Spud Date: Porion:	BOXBERGER # 18 NW SE SW Sec.3-14s-14w 15-167-23,932-00-00 7281 12/26/2013 PUSSELL COUNTY	Time:	9:15 AM		
Region: Drilling Completed: Surface Coordinates: Bottom Hole Coordinates: Ground Elevation: K.B. Elevation:	RUSSELL COUNTY 12/30/2013 990' FSL & 1650' FWL 1819.00ft 1824.00ft	Time:	3:34 PM		
Logged Interval: Total Depth: Formation: Drilling Fluid Type:	2250.00ft 3245.00ft LANSING-KANSAS CITY CHEMICAL/FRESH WATER GE	To: EL	3245.00ft		
	SURFACE CO-ORDINAT	ES			
Well Type: Longitude: N/S Co-ord: E/W Co-ord:		Latitude:	38.8590759		
	LOGGED BY				
SOLUTIONS GONSULTING					
Company: Address:	SOLUTIONS CONSULTING, IN 108 W 35TH HAYS, KS 67601	C.			
Phone Nbr: Logged By:	(785) 639-1337 GEOLOGIST	Name:	HERB DEINES		
Contractor: Rig #:	CONTRACTOR ROYAL DRILLING, INC. 1				
Rig Type: Spud Date: TD Date: Rig Release:	MUD ROTARY 12/26/2013 12/30/2013 12/31/2013	Time: Time: Time:	9:15 AM 3:34 PM 10:00 PM		
ELEVATIONS					
K.B. Elevation: K.B. to Ground:	1824.00ft Grou 5.00ft	nd Elevation:	1819.00ft		
NOTES					
RECOMMENDATION TO RUN PRODUCTION CASING BASED ON FAVORABLE STRUCTURE AND LOG ANALYSIS					
RECOMMENDATION TO RUN P	RODUCTION CASING BASED OF				
		-	D LOG, MICRORESISTIVITY LOG		
	IEER ENERGY SERVICES: RADI	-			

NW SEC	KBERGER #18 SE SW .3-14S-14W 9'GL 1824'KB	# H-5 S2 SW/4 SEC.3-14-14W KB 1819'	# H-14 C SW/4 SEC.3-14-14W KB 1828'
FORMATION	LOG TOPS	LOG TOPS	LOG TOPS
Anhydrite	806+1018	+1015	+1005
B-Anhydrite	847+ 977	+ 977	
Grand Haven	2351- 527		
Tarkio Lime	2422- 598	- 597	
Topeka	2685-861	- 860	- 866
Heebner Sh.	2915-1091	-1085	-1092
Toronto	2934-1110	-1105	-1111
LKC	2976-1152	-1147	-1153
ВКС	3228-1404	-1397	-1406
Gorham Sand	NONE	-1408	-1421

	Arbuckle	Not Reache	ed		
	RTD	3245-1421	-1409	-1423	
		SUM	MARY OF DAILY	ΑCTIVITY	
	12-26-13	RU, Spud 9:15AM	Ì		
	12-27-13	808', drilling, set	8 5/8" to 805' w/	350 sxs common 2%gel 3%CC	7
		slope 0 degree, W	/OC 12 hrs, drill p	lug 7:15PM	
	12-28-13				
	12-29-13				
	12-30-13			, ST 23 stds, CCH, TOWB, logs	
	12-31-13	3245', TIWB, LDD	P, run 4 ½" produ	ction casing and cement, RD	
			ROCK TYPES		
<u>ø. 0. j · ° 6' 0</u>	Chtcongl	Lmst fw7>	shale, gry	shale, red	
	Lmst fw<7	shale, grn	Carbon Sh	Ss	
			ACCESSORIES		
MINERAL		FOSSIL			
 Chert, dark P Pyrite 	 	 Oolite Oomoldic 			

Curve Track #1				Printed by GEOstrip VC Striplog	Curve Track #3
ROP (min/ft)					
	Depth Intervals	Lithology	Oil Show	Geological Descriptions	
1:240 Imperial	Cored Interval DST Interval				1:240 Imperial
ROP (min/ft) 5	I			BEGIN 1' DRILL TIME FROM 2250' TO RTD	
S	2240 - - -			BEGIN 10' WET AND DRY SAMPLES FROM 2350' TO RTD	8 5/8" SURFACE CASING SET TO 805' W/350 SXS COMMON 2%GEL 3%CC
	2250 -			ANHYDRITE TOP 806+1018 ANHYDRITE BASE 847+977	SLOPE 0 DEGREES
	2260				
	2270				



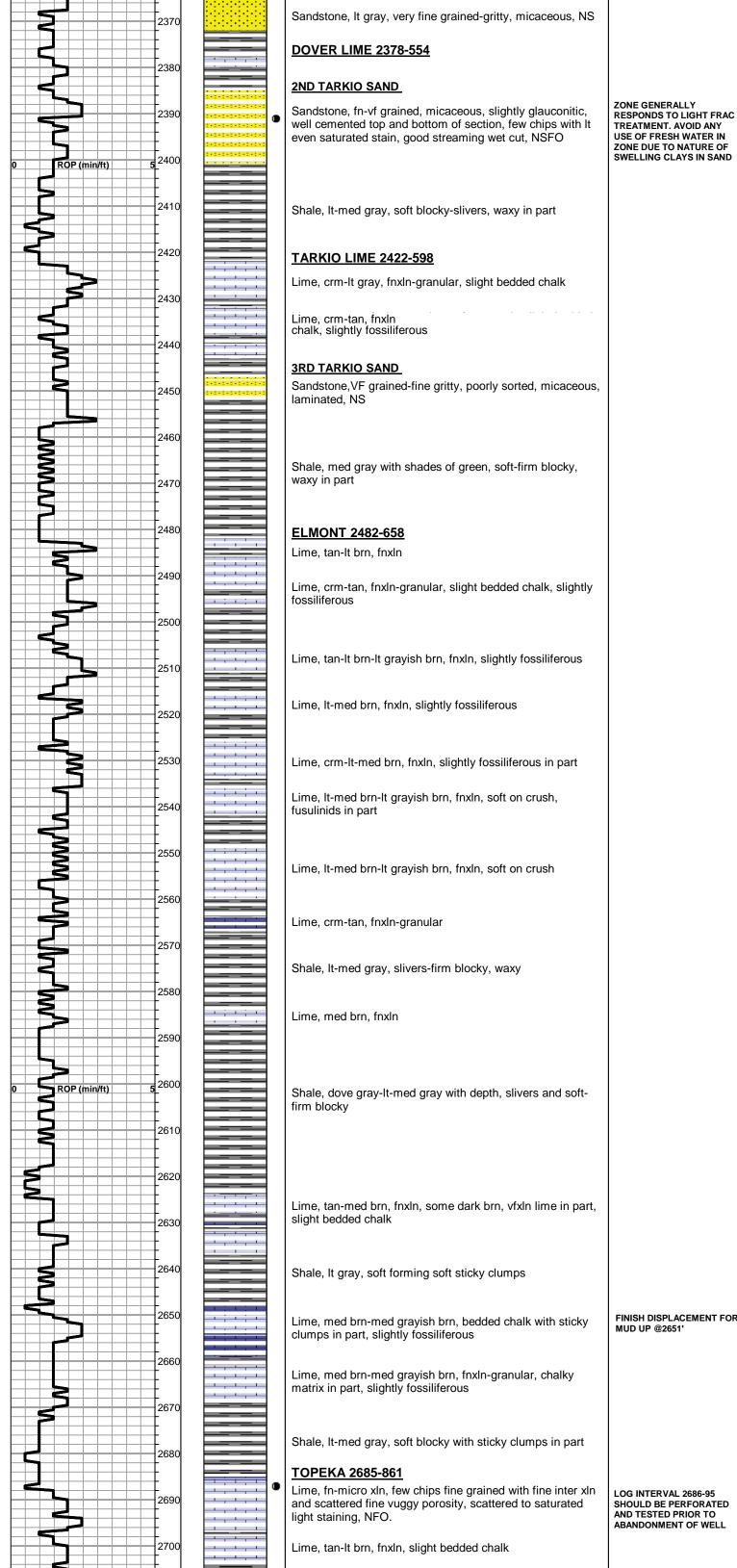


Shale, It gray, soft forming soft mud clumps, sticky Lime, crm, granular, fossiliferous

GRAND HAVEN LIME 2351-527

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

1ST TARKIO SAND



FINISH DISPLACEMENT FOR MUD UP @2651'

LOG INTERVAL 2686-95 SHOULD BE PERFORATED AND TESTED PRIOR TO ABANDONMENT OF WELL

