

Scale 1:240 Imperial

Well Name: KS BRAND #5

Surface Location: NW NW NE SE Sec. 22, T5S, R21W

Bottom Location:

API: 15-137-20752

License Number: 34916

Spud Date: 11/12/2019 Time: 9:00 AM

Time:

Region: NORTON COUNTY

Drilling Completed:
Surface Coordinates: 2550' FSL & 1515' FWL

Bottom Hole Coordinates:

Ground Elevation: 2163.00ft K.B. Elevation: 2171.00ft

Logged Interval: 0.00ft To: 0.00ft

Total Depth: 0.00ft

Formation: REAGAN SAND Drilling Fluid Type: CHEMICAL

OPERATOR

Company: FOURWINDS OIL CORPORTATION

Address: 1414 W 45TH

Contact Geologist: DAN WINDHOLZ Contact Phone Nbr: (785) 259-8403

Well Name: KS BRAND #5

Location: NW NW NE SE Sec. 22, T5S, R21W

API: 15-137-20752

Pool: Field: RAY WEST

State: KS Country:

SURFACE CO-ORDINATES

Well Type: Vertical
Longitude: -99.67881
Latitude: 39.60323
N/S Co-ord: 2550' FSL
E/W Co-ord: 1515' FWL

LOGGED BY

Company:

Address: 2717 HICKORY

HAYS, KS 67601

Phone Nbr: (785) 639-0721

Logged By: Geologist Name: CAMERON BRIN

CONTRACTOR

Contractor: DISCOVERY DRILLING INC.

Rig #: 2

Rig Type: MUD ROTARY

Spud Date: 11/12/2019 Time: 9:00 AM

TD Date: Time:

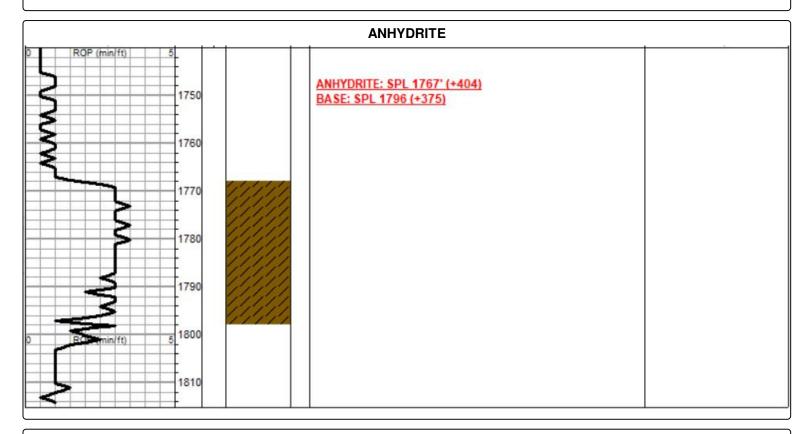
Rig Release: Time:

ELEVATIONS

K.B. Elevation: 21/1.00ft Ground Elevation: 2163.00ft

K.B. to Ground: 8.00ft

NOTES



							TC	PS C	OMF	PARIS	ON												
	-					•					•	-			P&A 1/4	/1985		-			SWD	_	
						BLACK DIAMO	ND OIL IN	:	Е	LACK DIAM	OND OIL	INC			A. SCOTT	RITCHI	E			BLACK DIA	MOND	OIL IN	IC
					KS BRAND #1				KEMPER A #1				KEMPER A #1					KS BRAND #2					
KS BRAND #5					SW NW SE NW, Sec. 22, T5S, R21W				NE SW SW NE, Sec. 22, T5S, R21W				SW NE SW, Sec. 22, T5S, R21W					SE NW NE NW, Sec. 22, T5S, R21W					
	KB	2171	GL 2163		KB 2149				KB 2134				KB 2207				KB 2154						
	LOG	TOPS	SAMPL	E TOPS	1	.OG	LOG	SMPL.	L	OG	LOG	SM	1PL.	LO	GS	LO	G	SMPL.	L	OG	LOC	à	SMPL.
FORMATION	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	CORR.	CORR.	DEPTH	DATUM	CORR.	СО	RR.	DEPTH	DATUM	COI	RR.	CORR.	DEPTH	DATUM	COR	R.	CORR.
ANHYDRITE TO	Р		1767	404	1753	396		+ 8	1731	403		+	1	1802	405			- 1	1751	403			+ 1
BAS	E		1796	375	1780	369		+ 6	1755	379		-	4	1831	376			- 1	1780	374			+ 1
TOPEKA			3182	-1011	3161	-1012		+ 1	3145	-1011		+	0	3210	-1003			- 8	3172	-1018			+ 7
HEEBNER SHALE			3323	-1152	3305	-1156		+ 4	3288	-1154		+	2	3357	-1150			- 2	3307	-1153			+ 1
TORONTO			3350	-1179	3333	-1184		+ 5	3314	-1180		+	1	3386	-1179			+ 0	3334	-1180			+ 1
LKC	8				3350	-1201			3330	-1196				3402	-1195				3349	-1195			
BKC					3535	-1386			3518	-1384				3587	-1380				3536	-1382			
REAGAN SAND					3585	-1436			3568	-1434				3538	-1331				3594	-1440			
GRANITE																			3648	-1494			
TOTAL DEPTH					3583	-1434			3568	-1434				3636	-1429				3720	-1566			



ACCESSORIES

MINERAL

FOSSIL • Sandy
△ Chert White F Fossils < 20% ♦ Oolite

STRINGER

Chert
Conglomerate
Sandstone

TEXTURE C Chalky

						Printed by GEOstrip VC Striplog v	ersion 4.0.8.15 (www.grsi.ca)
	Curve Track #1						Curve Track #3
RO	P (min/ft)	S					
		Depth Intervals					
		Inte		>	>		
		두		Lithology	Oil Show		
		ept	DST	itho	S II S	Geological Descriptions	
		1	וטטו	7	0	deological Descriptions	
		ərva					
		nter nter					
		Cored Interval DST Interval					
0	1:240 Imperial						1:240 Imperial
		1		1111		START DRILL TIME FOR ANHYDRITE FROM 1740'-1820'	GEO ON LOCATION
		t				START 1' DRILL TIME FROM 3100'-RTD	@ 9:30 11/15/2019
	>	3110				START 1' WET/DRY SAMPLES FROM 3150'-RTD	
		ļ					SURFACE CASING SET
		t				Sh- gray	@ 220' w/ 150 SKS
		3120				on gray	COMMON 2% GEL & 3%
		‡		1 1 1			CC (DID CIR)
		Ė					
		3130				I m gray favia citiv foce fow cost per well consolidated	
		ļ		F		Lm- gray- fnxln, sltly foss, few scat pcs well consolidated SS	DISPLACED MUD @2981'
		Ė					
		3140					
		‡				Sh- gray	
		+					
		3150					
		İ		F		Lm- crm, v. fnxln, scat foss	
		1				Ziri orini, v. mixini, soci 1966	
		3160					
		İ		F · ·			
\vdash		+				Lm- crm, fnxln, scat foss, sandy throughout	
		3170		 ─┤ <mark>。╺</mark> 。╺├───F		o,, coato., caa,o.g,	
		ţ					
		+					
		3180				TODEKA, CDI 2192' / 1011\	
		Ė				TOPEKA: SPL 3182' (-1011)	
		+				Lm- crm- fnxln, chalky, scat wt. chert	
		3190					
		ţ		^^^^		Lm- crm- v. fn-fnxln, chalky, soft, scat chert, sandy in prt	
		+				Lini- cini- v. in-inxin, charky, soit, scat chert, sandy in pri	
2	POD (trial (tr)	3200				Sh- gray-blk	
U	ROP (min/ft)	1		 		on gray bix	
\vdash	lacksquare	+		~~;~,			
		3210		ф ~~~		Lm- crm, fnxln- few scat granular, sltly oolitic, scat chert,	
		‡				chalky in prt	
		+					
		3220				Sh- blk	
		‡					
	J	+					
		3230					
		‡					
		+				Sh- red-green, waxy, muddy red wash	
		3240					
		‡					
		±					
		3250					
		‡				Lm- off wt brn, fn-mdxln, scat chert	
	<u> </u>	±		1 1 1			
		3260					
		‡				Sh- red-gray	
		ţ					
		3270					
		ļ				I m arm favla face mostly dense	
		Ė		F		Lm- crm- fnxln, foss, mostly dense	
		3280		6	ا م	I m- crm- fnxln, politic in prt, scat pcs w/ pr-fr inxln ppt- scat	

