**OPERATOR** 

Company: TDI, INC.

1310 BISON ROAD Address: HAYS, KANSAS 67601

TOM DENNING Contact Geologist: Contact Phone Nbr: 785-628-2593

STACKHOUSE RANCH # 1 Well Name: Location: SW SE NE NE Sec.13-12s-19w API: 15-051-26,676-00-00

Pool: **WILDCAT** Field: UNNAMED **KANSAS** State: Country: USA



Scale 1:240 Imperial

Well Name: STACKHOUSE RANCH # 1 Surface Location: SW SE NE NE Sec.13-12s-19w

**Bottom Location:** API:

15-051-26,676-00-00

License Number: 4787 Spud Date: 5/16/2014 Time: 1:30 PM Region: **ELLIS COUNTY Drilling Completed:** 5/22/2014 Time: 6:48 AM

Surface Coordinates:

1060' FNL & 360' FEL **Bottom Hole Coordinates:** 

Ground Elevation: 2198.00ft K.B. Elevation: 2208.00ft

Logged Interval: 2500.00ft To: 3899.00ft

Total Depth: 3899.00ft

Formation: LANSING-KANSAS CITY Drilling Fluid Type: CHEMICAL/FRESH WATER GEL

**SURFACE CO-ORDINATES** 

Well Type: Vertical Longitude: -99.3723553 Latitude: 39.0129995

N/S Co-ord: 1060' FNL E/W Co-ord: 360' FEL

LOGGED BY



SOLUTIONS CONSULTING, INC. Company:

Address: 108 W 35TH

HAYS, KS 67601

Phone Nbr: (785) 639-1337

Logged By: **GEOLOGIST** Name: HERB DEINES

CONTRACTOR

SOUTHWIND DRILLING, INC. Contractor:

Rig #:

Rig Type: **MUD ROTARY** 5/16/2014 Spud Date:

1:30 PM Time: TD Date: 5/22/2014 Time: 6:48 AM 5/23/2014 Time: 4:00 AM Rig Release:

**ELEVATIONS** 

Ground Elevation: K.B. Elevation: 2208.00ft 2198.00ft

K.B. to Ground: 10.00ft

**NOTES** 

RECOMMENDATION TO RUN PRODUCTION CASING BASED ON FAVORABLE STRUCTURE AND 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) CONVENTIONAL TEST

## FORMATION TOPS COMPARISON CHART AND CHRONOLOGY OF DAILY ACTIVITY

STACKHOUSE RANCH #1	JOY # 1	GEORGE # 1
SW SE NE NE	SE SE NW NE	NW SW SE NW
SEC.13-12S-19W	SEC.13-12-19W	SEC.18-12-18W
2198'GL 2208'KB	KB 2218'	KB 2217'

FORMATION	LOG TOPS	LOG TOPS	LOG TOPS
I OINIVIOR	<u> </u>	<u> </u>	<u> </u>

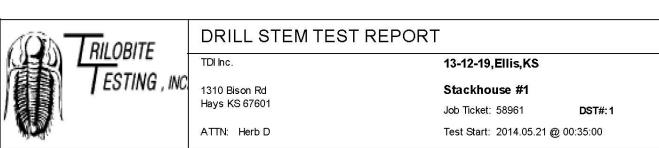
Anhydrite	1535 +673	+ 669	+684
<b>B-Anhydrite</b>	1564 +644	+ 634	+650
Topeka	3220-1012	-1022	-1011

Heebner Sh.	3450-1242	-1251	-1242
Toronto	3468-1260	-1270	-1262
LKC	3494-1286	-1295	-1286
ВКС	3726-1518	-1528	-1532
Arbuckle	3818-1610	-1656	NR
RTD	3899-1691	-1682	-1683

## **SUMMARY OF DAILY ACTIVITY**

5-16-14	RU, Spud 1:30 PM, set 8 5/8" surface casing to 223.51' w/ 150 sxs
	Common 2%Gel 3%CC, slope 1/2 degree, plug down 6:30 PM
5-17-14	495', drill plug 2:30 AM
5-18-14	2240', drilling
5-19-14	2910', drilling, displaced 3015' to 3039'
5-20-14	3350', CFS 3560', short trip, TOWB, DST #1 3446'-3560'
5-21-14	3560', drilling
5-22-14	3890', RTD 3899' @6:48AM, mini trip, TOWB, logs, TIWB, LDDP
5-23-14	3899', finish running production casing and cementing, RD

## DST # 1 3446' TO 3560' TORONTO TO "D" LKC



GENERAL INFORMATION:

Formation: Toronto-KC "D"

Deviated: Whipstock:

Time Tool Opened: 02:48:00

Time Test Ended: 07:14:45

3446.00 ft (KB) To 3560.00 ft (KB) (TVD) Interval: 3560.00 ft (KB) (TVD) Total Depth:

7.88 inchesHole Condition: Fair Hole Diameter:

ft (KB) Test Type: Conventional Bottom Hole (Initial) Tester: Brett Dickinson

Unit No: 59

Reference ⊟evations: 2208.00 ft (KB)

2200.00 ft (CF)

8.00 ft KB to GR/CF:

Serial #: 8957 Inside

Press@RunDepth: Start Date: Start Time:

227.40 psig @ 3447.00 ft (KB) End Date: 2014.05.21 00:35:05 End Time:

2014.05.21 07:14:44

Capacity: Last Calib.:

8000.00 psig 2014.05.21

Time On Btm: 2014.05.21 @ 02:46:45 Time Off Btm: 2014.05.21 @ 04:49:00

TEST COMMENT: IF-BOB in 2min

ISI-BOB in 19 1/2min FF-BOB in 3min FSI-BOB in

	vs. Time		PI	RESSUR	RE SUMMARY
750	5957 Temperature	Time	Pressure	Temp	Annotation
- Jay	1.	(Min.)	(psig)	(deg F)	
1500	1.	. 0	1650.90	104.56	Initial Hydro-static
		2	52.61	104.17	Open To Flow (1)
1290	**************************************	16	110.94	108.11	Shut-In(1)
[ // // //	-h = 35	47	1045.14	109.43	End Shut-In(1)
	90	륗 48	129.94	109.07	Open To Flow (2)
720		77	227.40	110.21	Shut-In(2)
		121	1009.23	111.49	End Shut-In(2)
500	200	123	1642.66	111.72	Final Hydro-static
	İ   \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \				
270					
	- 05				
39M Time	Hous)				

Recovery			Gas Rat	tes	
Length (ft)	Description	Volume (bbl)	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
60.00	VGO 40%G 60%O	0.84		•	
500.00	GO 20%G 80%O	7.01			
0.00 620ft GIP	0.00				

Trilohite Testing Inc. Ref. No: 58961 Printed: 2014 05 21 @ 08:03:55

