OPERATOR

Company: WERTH EXPLORATION TRUST Address: 1308 SCHWALLER AVENUE

HAYS, KANSAS

Contact Geologist: ANDY WERTH
Contact Phone Nbr: 785-625-4968

Well Name: WORCESTER #3-3

Location: NW SE SE NE S3 T7S R22W

API: 15-065-24089-00-00

Pool: Field: LAST HOPE NORTHEAST

State: KANSAS Country: USA

Scale 1:240 Imperial

Well Name: WORCESTER #3-3

Surface Location: NW SE SE NE S3 T7S R22W

Bottom Location:

API: 15-065-24089-00-00

License Number: 30259

Spud Date: 12/9/2014 Time: 12:00 PM

Region: GRAHAM COUNTY

Drilling Completed: 12/14/2014 Time: 8:33 PM

Surface Coordinates: 2170 FNL & 435 FEL

Bottom Hole Coordinates:

Ground Elevation: 2238.00ft K.B. Elevation: 2245.00ft

Logged Interval: 3100.00ft To: 3754.00ft

Total Depth: 3754.00ft

Formation: LANSING / KANSAS CITY

Drilling Fluid Type:

SURFACE CO-ORDINATES

Well Type: Vertical
Longitude: -99.7519497
Latitude: 39.4751071
N/S Co-ord: 2170 FNL
E/W Co-ord: 435 FEL

LOGGED BY



Company: SOLUTIONS CONSULTING, INC.

Address: 108 WEST 35TH

HAYS, KANSAS 67601

Phone Nbr: 785-650-4540 / 785-639-1337

Logged By: Geologist Name: STEVE REED

CONTRACTOR

Contractor: SKYTOP DRILLING, LLC

Rig #: 1

Rig Type: MUD ROTARY

 Spud Date:
 12/9/2014
 Time:
 12:00 PM

 TD Date:
 12/14/2014
 Time:
 8:33 PM

 Rig Release:
 12/15/2014
 Time:
 3:00 PM

ELEVATIONS

K.B. Elevation: 2245.00ft Ground Elevation: 2238.00ft

K.B. to Ground: 7.00ft

NOTES

SIGNIFICANT SHOWS AND LOG ANALYSIS LEAD TO THE DECISION TO PLUG AND ABANDON THE WELL

OPEN HOLE LOGGING PROVIDED BY: NABORS COMPLETION AND PRODUCTION SERVICES COMPANY RADIATION GUARD LOG AND MICRORESISTIVITY LOGS WERE COMPLETED

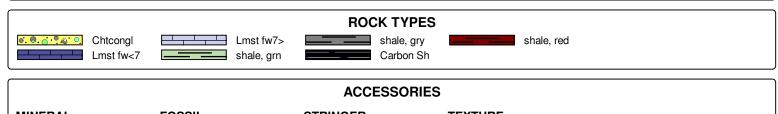
NO DRILL STEM TESTS WERE PERFORMED

FORMATION TOPS COMPARISON AND DAILY ACTIVITY SUMMARY

	WELL NAME WORCESTER #3-3 API: 15-065-24089 2245 KB		COMPARISON WELL WORCESTER #1-3 API: 15-065-23876	COMPARISON WELL WORCESTER #1-3 API: 15-065-23021
			2240 KB	2259 KB
FORMATION	SAMPLE TOPS	LOG TOPS	LOG TOPS (DATUM)	LOG TOPS (DATUM)
ANHYDRITE TOP	1885' (+360')	1882' (+363')	+364'	+385'
ТОРЕКА	3250' (-1005')	3245' (-1000')	-998'	-997′
HEEBNER	3447' (-1202')	3445' (-1200')	-1199′	-1199′
TORONTO	3472' (-1227')	3470' (-1225')	-1223′	-1222′
LKC	3490' (-1245')	3488' (-1243')	-1240′	-1240′
ВКС	3684' (-1439')	3682' (-1437')	-1431′	-1431′
ARBUCKLE	NOT REACHED		-1535′	-1563′
RTD	3754' (-1509')	3748' (-1503')	-1595′	-1608′

SUMMARY OF DAILY ACTIVITY

12-8-14	M.I.R.U.
12-9-14	spud @ 12:00pm, drill to 222, set 8 $5/8$ " surface casing @ 217 w/ 150 sks common, 2% gel, 3%cc, plug down @ 10:00pm, woc
12-10-14	222, drill plug @ 9:00am, drilling
12-11-14	1251, drilling
12-12-14	2290, drilling
12-13-14	3078, drilling, CFS @ 3495
12-14-14	3555, drilling, CFS @ 3568, TD of 3754 reached @ 8:33pm, CFS, short trip, CTCH, TOWB for logs, survey 1°
12-15-14	3754, logging, prepare for plugging, plugging, release rig



 MINERAL
 FOSSIL
 STRINGER
 TEXTURE

 □ Glauconite
 F Fossils < 20%</td>
 ^^ Chert
 C Chalky

 △ Chert White
 ∮ Oolite
 L Lithogr

 Mc Mica
 ♣ Oomoldic

OTHER SYMBOLS DST Oil Show BST Int Good Show DST alt Fair Show Poor Show Core II tail pipe O Spotted or Trace DST DST O Questionable Stn D Dead Oil Stn ■ Fluorescence DST **★** Gas

