

**OPERATOR**

Company: VENTURE RESOURCES, INC.  
 Address: 2255 S WADSWORTH STE.205  
 LAKEWOOD, COLORADO 80227

Contact Geologist: SCOTT SMITH  
 Contact Phone Nbr: 303-722-2899  
 Well Name: KEMPE SOUTH # 16 SWD  
 Location: NE SE NW NE Sec.12-11s-18w  
 API: 15-051-26,696-00-00  
 Pool:  
 State: KANSAS

Field: BEMIS-SHUTTS  
 Country: USA

**Scale 1:240 Imperial**

Well Name: KEMPE SOUTH # 16 SWD  
 Surface Location: NE SE NW NE Sec.12-11s-18w  
 Bottom Location:  
 API: 15-051-26,696-00-00  
 License Number: 30537  
 Spud Date: 5/16/2014 Time: 11:15 AM  
 Region: ELLIS COUNTY  
 Drilling Completed: 5/30/2014 Time: 11:45 AM  
 Surface Coordinates: 966' FNL & 1330' FEL  
 Bottom Hole Coordinates:  
 Ground Elevation: 1887.00ft  
 K.B. Elevation: 1894.00ft  
 Logged Interval: 2800.00ft To: 3594.00ft  
 Total Depth: 3887.00ft  
 Formation: ARBUCKLE  
 Drilling Fluid Type: CHEMICAL/FRESH WATER GEL

**SURFACE CO-ORDINATES**

Well Type: Vertical  
 Longitude: -99.2631335  
 Latitude: 39.1149882  
 N/S Co-ord: 966' FNL  
 E/W Co-ord: 1330' FEL

**LOGGED BY**

Company: SOLUTIONS CONSULTING, INC.  
 Address: 108 W 35TH  
 HAYS, KS 67601

Phone Nbr: (785) 639-1337  
 Logged By: GEOLOGIST

Name: BRUCE BASYE/HERB DEINES

**CONTRACTOR**

Contractor: AMERICAN EAGLE DRILLING, LLC  
 Rig #: 2  
 Rig Type: MUD ROTARY  
 Spud Date: 5/16/2014 Time: 11:15 AM  
 TD Date: 5/30/2014 Time: 11:45 AM  
 Rig Release: 5/31/2014 Time: 12:00 AM

**ELEVATIONS**

K.B. Elevation: 1894.00ft Ground Elevation: 1887.00ft  
 K.B. to Ground: 7.00ft

**NOTES**

5 1/2" PRODUCTION WAS RAN TO COMPLETE THE WELL AS A SWD.

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

NO DRILL STEM TESTS WERE RAN

Image Header 01

**KEMPE SOUTH #16 SWD  
NE SE NW NE  
SEC. 12-11S-18W  
1887'GL 1894'KB**

**RIDLER A EAST # 6  
SW NE NE  
SEC. 12-11S-18W  
KB 1901**

<u>FORMATION</u>	<u>LOG TOPS</u>	<u>COMPARISON</u>
<b>Anhydrite</b>	<b>1147+ 747</b>	<i>+ 749</i>
<b>B-Anhydrite</b>	<b>1178+ 716</b>	<i>+ 717</i>
<b>Topeka</b>	<b>2843- 949</b>	<i>- 947</i>
<b>Heebner Shale</b>	<b>3066-1174</b>	<i>-1171</i>
<b>Toronto</b>	<b>3086-1192</b>	<i>-1193</i>
<b>LKC</b>	<b>3107-1213</b>	<i>-1215</i>
<b>BKC</b>	<b>3344-1450</b>	<i>-1451</i>
<b>Arbuckle</b>	<b>3407-1513</b>	<i>-1519</i>
<b>RTD</b>	<b>3887-1993</b>	<i>-1649</i>








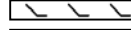



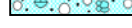
Image Header 02

Image Header 03

Image Header 04



Image Header 05

ROCK TYPES

 Clystool	 Lmst fw<7	 shale, gry	 Ss
 Dolprim	 Lmst fw7>	 Carbon Sh	 Dol Lime
 Dolsec	 shale, grn	 shale, red	 Lscongl

ACCESSORIES

FOSSIL

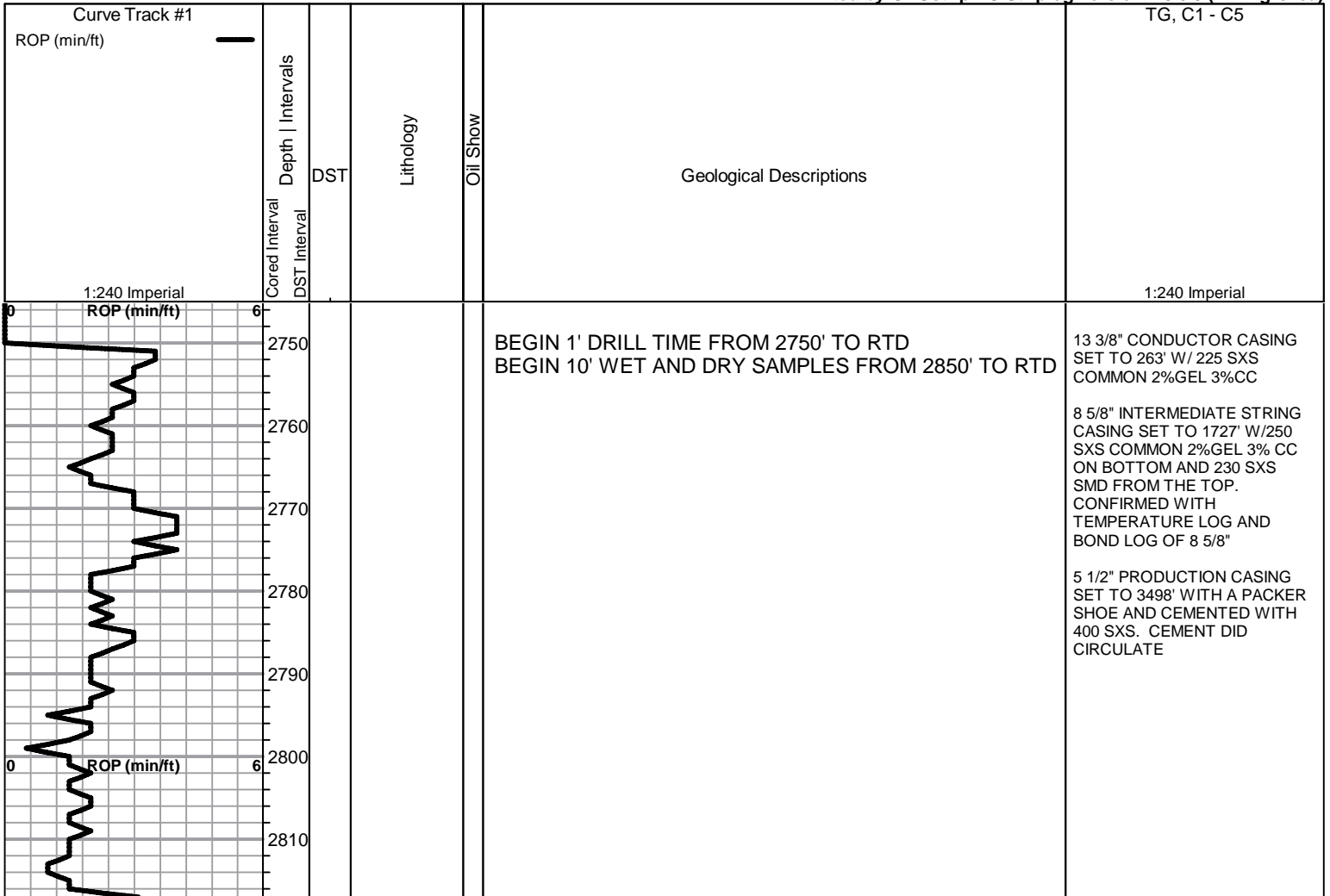
-  Oolite
-  Oomoldic

OTHER SYMBOLS

DST

-  DST Int
-  DST alt
-  Core

Printed by GEOstrip VC Striplog version 4.0.8.9 (www.grsi.ca)



2820  
2830  
2840  
2850  
2860  
2870  
2880  
2890  
2900  
2910  
2920  
2930  
2940  
2950  
2960  
2970  
2980  
2990  
3000  
3010  
3020  
3030

0 ROP (min/ft) 6



**TOPEKA ELog 2843-949**

Lime, lite brown, fNxlN, dense

AA

Lime, tan-med grayish brn, fn-vfxln ,fusulinids

Shale, gray, waxy, hard  
Shale black carbonaceous

Lime, gray, fnxln, hard, cherty in part

Lime, lite tan, fusulinids in matrix

Lime, lite brown, fnxln, chalky in part.

Lime, tan, fnxln, bedded chalk in part

Lime, gray to grayish brn, fusulinids in matrix

**KING HILL SHALE ELog 2940-1046**

Shale, black carbonaceous, fissile,blocky

Lime, gray to lite green, fnxln-granular

Lime, gray -grayish brn, vfxln, fossil fragments in matrix, hard cherty.

Lime, gray, fn-vfxln, fusulinids

Shale, gray, waxy

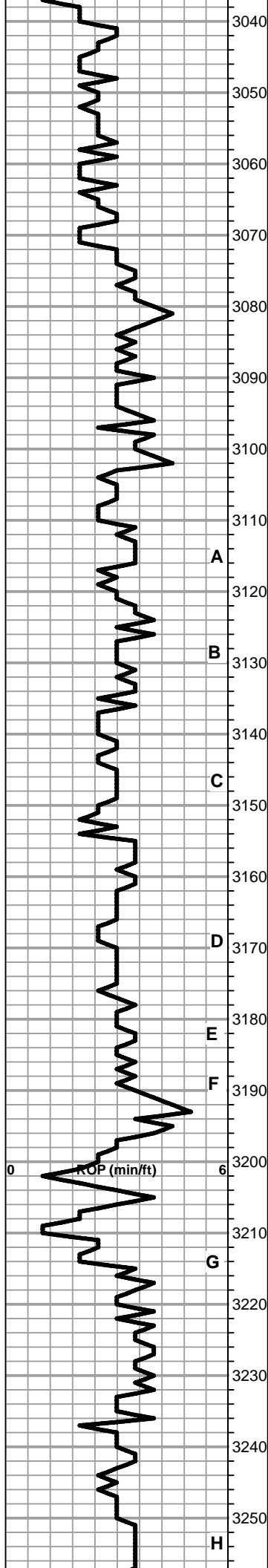
**Queen Hill Shale Elog 2996-1102**

Shale, gray-black carbonaceous, blocky

Lime, gray, fnxln, platey, hard break on crush

Lime, white-crm, fnxln, lithographic

Lime, brown to black, fusulinids, breaks easy, oil stain spotty



Lime, white, chalky, soft,

Lime, lite to medium brown, fnxln-granular, fusulinids

**HEEBNER SHALE ELog 3066-1174**

Shale, black carbonaceous, fissile, blocky  
Lime, med brn, fn-vfxln

Mud stone, green to dove gray, very soft, sticky clumps

**TORONTO ELog 3086-1192**

Lime, white, vfxln, dense, hard on crush

Shale, red to maroon, red wash, waxy at base

**LKC 3107-1213**

Lime, cream, scattered stain, scattered small vugs in fine inter xln porosity, NFO, No odor

Shale, gray, waxy

Lime, white, fnxln, brittle

Mudstone, lt-med gray, soft blocky

Lime, white to cream, fnxln-granular, fossil fragments in matrix

Lime, white to cream, chalky soft, crumbles at break

Shale, gray

Lime, crm-tan-lt gray, fn-vfxln

Shale gry-black, carbonaceous, blocky  
Lime, tan with tint of green and lt gray, fn-vfxln  
Shale, lime green, soft forming soft mud

Lime, cream to tan, fn-micro xln

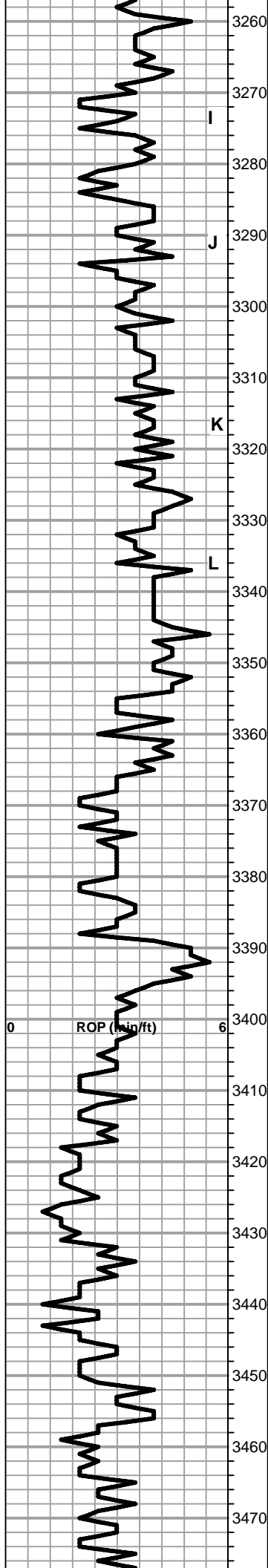
Lime cream, large grain, oolitic and fossiliferous, well cemented, NS

Lime, light tan, fnxln

Lime, lite tan to brown, fnxln, dense, platey

Shale, black, carboniferous, waxy  
Lime, gray to dark gray, fnxln, hard on crush  
Shale gary to black, waxy

Lime, light green-crm-tan, fn-vfxln



Mud stone, light green, very soft, pasty  
 Lime, light green stain, fnxn  
 Shale, light green

Lime, crm-tan, fnxn-granular, bedded chalk in part

Mudstone, white, white wash, very soft, sticky  
 Shale grey, wax hard

Lime, crm-lt brn, fn-vfxln

Shale, black carbonaceous, waxy

Shale, gray

Lime, light gray, platey, fnxn, thin zone oolitic

Lime, white to light tan, fnxn, scattered fossil fragments  
 Shale, gray-black carbonaceous

Lime, white to tan, fn-vfxln, fossiliferous in part

**BKC ELog 3344-1450**

Shale red, soft, red wash

Lime, clastic mix

Mudstone, very soft, red wash

Dolomitic lime, crm-tan-lt brn, fnxn-granular,

**Simpson Shale Elog 3374-1480**

Sand, poorly cemented, well sorted, show of oil, breaks easy

Shale, blue green, firm, waxy, micro xln pyrite inclusions

Dolomite, brown, fn-vfxln

Shale, Cobalt Blue, waxy

**Arbuckle Elog 3407-1513**

Dolomite, brown to lite brown, fn-med xln, saturated oil stain, strong odor, SFO

Dolomite, brown to lite brown, scattered to saturated stain, very strong odor, SFO

Dolomite, brown to lite brown, fn-cxln, inter xln porosity, saturated oil stain, strong odor

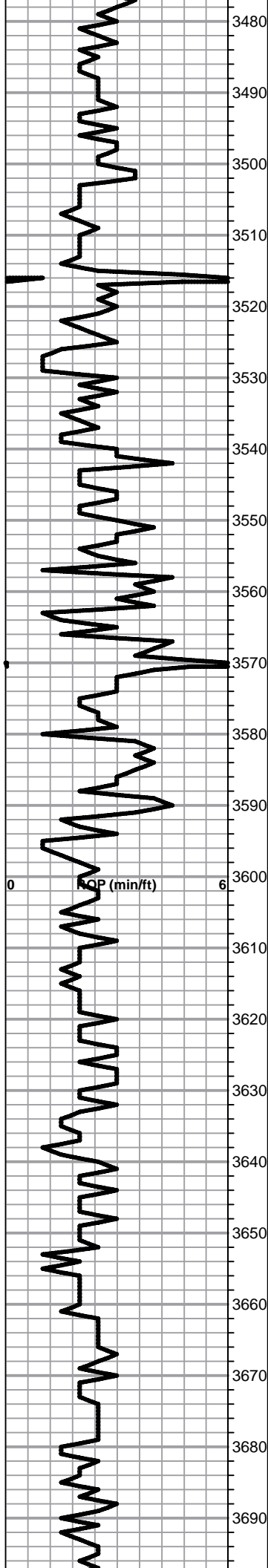
AA

Dolomite, lite tan, fnxn, hard on crush

Dolomite, crm-lt brn-salmon, fn-cxln

Dolomite, tan, brown, fnxn

LOG ANALYSIS OF INTERVAL FROM 3270-75 INDICATES POSSIBLE ZONE OF INTEREST WHICH SHOULD BE TESTED PRIOR TO ABANDONMENT OF THIS WELL AND ADJACENT WELLS.



AA

Dolomite, lite tan to brown, fn-cxln

Dolomite, lite cream, fnxln-granular

Dolomite, crm-lt brn-salmon, fn-vfxln

Dolomite, lite tan, large grained, well cemented, tight

AA

Dolomite, white, chert like, med xln

Dolomite, brown, massive, dense, very tight.

Dolomite, lite cream, oolitic, well cemented

Dolomite, massive, white, unremarkable

AA

AA

Dolomite, white to cream, fn-cxln

Dolomite, sparite crystals in dolomite matrix.

Dolomite, lite brown to brown, large grain, some vugs

Dolomite, white, large grain, hard on crush

AA

AA

WELL DRILLED TO 3594' AND LOGGED. THE WELL WAS DEEPEENED TO 3887'

