

# LITHOLOGY STRIP LOG

WellSight Systems  
Scale 1:240 (5"=100') Imperial  
Measured Depth Log

Well Name: Stateline #1  
Location: NW NW NE  
License Number: API: 15-007-23786-00-00  
Spud Date: November 7, 2011  
Surface Coordinates: 330' FNL, 2310' FEL Section 13-Twp 35 South - Rge 12 W  
Bottom Hole Coordinates: Vertical Hole

Region: Barber County, Kansas  
Drilling Completed: November 16, 2011

Ground Elevation (ft): 1376  
Logged Interval (ft): 4400 To: RTD  
Formation: Simpson Sand  
Type of Drilling Fluid: Chemical Mud, Displace at 3700'

K.B. Elevation (ft): 1387  
Total Depth (ft): 5395

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

## OPERATOR

Company: Indian Oil Company, INC  
Address: PO BOX 209  
2507 SE US 160 HWY  
Medicine Lodge, KS 67104-0209

## GEOLOGIST

Name: W. Scott Alberg  
Company: Alberg Petroleum, LLC  
Address: 609 Meadowlark Lane  
Pratt, Kansas 67124

## FORMATION TOPS

FORMATION TOPS	SAMPLE TOPS	LOG TOPS
STARK SHALE	4540(-3153)	4532(-3145)
HUSHPUCKNEY	4572(-3185)	4564(-3177)
B/KC	4621(-3234)	4614(-3227)
PAWNEE	4726(-3339)	4716(-3329)
CHEROKEE GROUP	4771(-3390)	4872(-3385)
MISSISSIPPIAN	4847(-3460)	4840(-3453)
KINDERHOOK SHALE	5095(-3708)	5088(-3701)
WOODFORD SHALE	5168(-3781)	5163(-3776)
VIOLA	5228(-3841)	5223(-3836)
SIMPSON GROUP	5345(-3958)	5342(-3955)
SIMPSON WILCOX	5364(-3977)	5359(-3972)
RTD	5395(-4009)	
LTD		5384(-3997)

NOTE ALL SAMPLE TOPS ARE 5-8' LOW TO LOG TOPS

## COMMENTS

Surface Casing: Set 6 joints 13 3/8" at 227 with 225 sxs AA 2% gel, 3% CC, plug down at 10:00 pm on November 7, 2011. Cement did circulate.  
Production Casing: 5 1/2" Casing Set  
Deviation Surveys: 3/4 - 230', 1 1/2 - 5207',  
Contractor Bit Record: 1 - 17 1/2 out at 230'.  
2 - 7 7/8" out at 5395'.

Gas Detector: Jumping Leaf, LLC, David Gould  
Mud System: Mud Co, Brad Bortz, Terry Isson, Engineers  
DSTs: Trilobite Testing  
Logged By: Log Tech  
LTD 5384'

## DSTs

DST #1 5166 to 5207' Times 30-60-30-60  
1st Opening: Strong Blow, BOB in 2 minutes, Strong Blow Back BOB 11 Minutes.  
2nd Opening: Strong Blow, BOB 2 Seconds, Weak Blow Back, 1/2 inch  
Recovery: 2110' G/P  
310' SOCMW ( 1% Oil, 50% Water, 49% Mud)  
1240' MV (95% Water, 5% Mud)  
IFP 118-398# FFP 451-721#  
ISIP 2036# FSIP 2030#  
IHP 2645# FHP 2466#  
Temp 126

## CREWS

Val Drilling Rig #5  
Tool Pusher - Randy Smith

Drillers: Andy Brown  
Jeff Hood  
Jim Stevenson

## ROCK TYPES

Anhy	Congl	Lmst	Black sh
Bent	Sdy dolo	Mrst	Gry sh
Brec	Shy dolo	Salt	Shale
Cht	Dol	Ls	Shalest
Clyst	Gyp	Sltst	Stysh
Coal	Sdy lmst	Ss	

## ACCESSORIES

MINERAL	FOSSIL	STRINGER	TEXTURE
Anhy, Arg, Bent, Bit, Brefracg, Calc, Carb, Chtdk, Chtt, Dol, Ferrpel, Ferr, Glau, Gyp, Marl, Nodule, Phos, Pyr, Salt, Sandy, Silt	Chlorite, Dol, Sand, Sity, Algae, Amph, Bioclst, Brach, Bryozoa, Coral, Crin, Echin, Fish, Foram, Fossil, Gastro, Oolite, Ostra	Pellet, Pisolite, Plant, Strom, Fuss, Oomoldic, Anhy, Arg, Bent, Coal, Dol, Gyp, Lmst, Sltstgr, Sststgr, Carbsh, Clyst, Dol	Grysl, Lms, Sandylms, Sh, Sltstn, Boundst, Chalky, Cryxln, Earthy, Finexln, Grainst, Lithogr, Microxln, Mudst, Packet, Wackest

