

LITHOLOGY STRIP LOG

WellSight Systems

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

Well Name: Helen Mae #2	Location: S2 NE SE SE	Region: Barber County, Kansas
License Number: API: 15-007-23981-00-00	Spud Date: January 24, 2013	Drilling Completed: January 30, 2013
Surface Coordinates: 835 FSL, 330' FEL Section 10-Twp 35 South - Rge 12 West	Bottom Hole Coordinates: Vertical Hole	
Ground Elevation (ft): 1381	To: 5080	K.B. Elevation (ft): 1392
Logged Interval (ft): 4300	Total Depth (ft): 5080	
Formation: Mississippian	Type of Drilling Fluid: Chemical Mud, Displace at 3288'	

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

OPERATOR

Company: Indian Oil Company
Address: PO Box 209
2507 SE US 160 Hwy
Medicine Lodge, Kansas 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
HUSHPUCKNEY SHALE	4574(-3182)	4571(-3179)
B/KC	4625(-3231)	4621(-3227)
PAWNEE	4725(-3333)	4723(-3330)
CHEROKEE GROUP	4773(-3381)	4772(-3380)
CHEROKEE SAND	4804(-3412)	4800(-3408)
MISSISSIPPIAN	4834(-3442)	4834(-3442)
RTD	5080(-3688)	
LTD		5080(-3688)

COMMENTS

Surface Casing: Set 8 5/8" casing at 747' with 225 sxs 6% gel 3% cc, 250 sxs 3% cc, 2% gel, one inched with 100 sxs 3%cc, 2% gel, cement to surface. Plug down at 7:30 pm on 1-25-2013.
Production Casing: Ran 5 1/2".
Deviation Surveys: 755' - 2, 3319' - 1, 3603' - 1, 3603' - 3/4, 4205' - 1/2, 4521' - 1/2, 5080 - 1.
Contractor Bit Record: 1- 12 1/4" out at 755'.
2- 7 7/8" PDC 5080'.

Gas Detector: DMT Company, Trailer #1
Mud System: Mud Co, Brad Bortz, Engineer
DSTs: None Ran
Logged By Pioneer Logging, Inc (Log Tech)
LTD - 5080'.

DSTs

None Ran

CREWS

Val Drilling Rig #5
Tool Pusher - Randy Smith
Drillers - Days - Andy Brown
Evening - Jeff Hood
Morning - Robert Cunningham II

ROCK TYPES

<ul style="list-style-type: none"> Anhy Bent Brec Cht Cyst Coal 	<ul style="list-style-type: none"> Congl Sdy dolo Shy dolo Dol Gyp Sdy lmst 	<ul style="list-style-type: none"> Lmst Mrlst Salt Shale Sltst Ss 	<ul style="list-style-type: none"> Black sh Gry sh Shale Shylstst Slysh
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ACCESSORIES

<p>MINERAL</p> <ul style="list-style-type: none"> Anhy Arg Bent Bit Brecfrag Calc Carb Chtdk Chtlt Dol Ferrpel Ferr Glaup Gyp Marl Nodule Phos Pyr Salt Sandy Silt 	<p>FOSSIL</p> <ul style="list-style-type: none"> Chlorite Dol Sand Sity Algae Amph Belm Bioclst Brach Bryozoa Cephal Coral Crin Echin Fish Foram Fossil Gastro Oolite Ostra 	<p>STRINGER</p> <ul style="list-style-type: none"> Anhy Arg Bent Coal Dol Gyp Ls Mrlst Sltstgr Ssstgr Carbsh Clystn Dol 	<p>TEXTURE</p> <ul style="list-style-type: none"> Boundst Chalky Cryxin Earthy Finexln Grainst Lithogr Mudst Microxln Packst Wackest
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