

LITHOLOGY STRIP LOG

WellSight Systems

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

Well Name: Helen Mae #3
Location: SW SE SE
License Number: API: 15-007-24031-00-00
Spud Date: June 5, 2013
Surface Coordinates: 330 FSL, 990' FEL Section 10-Twp 35 South - Rge 12 West
Bottom Hole Coordinates: Vertical Hole
Ground Elevation (ft): 1382
Logged Interval (ft): 4300
Formation: Mississippian
Type of Drilling Fluid: Chemical Mud, Displace at 3251'.
K.B. Elevation (ft): 1393
Total Depth (ft): 5100
Region: Barber County, Kansas
Drilling Completed: June 10, 2013
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

	SAMPLE TOPS	LOG TOPS
HUSHPUCKNEY SHALE	4573(-3080)	4569(-3075)
BKC	4622(-3228)	4624(-3231)
PAWNEE	4722(-3328)	4720(-3327)
CHEROKEE GROUP	4772(-3378)	4770(-3377)
CHEROKEE SAND	4802(-3408)	4799(-3406)
MISSISSIPPIAN	4825(-3432)	4826(-3433)
RTD	5100(-3707)	
LTD		5099(-3706)

COMMENTS

Surface Casing: Set 8 5/8" casing at 778' with 250 sxs 65/35 3% cc, 3% gel, one inched with 100 sxs 3%cc, 2% gel, cement to surface. Plug down at 6:00 am on June 6, 2013.
Production Casing: Ran 5 1/2" Casing.
Deviation Surveys: 787' - 1, 3409' - 1 1/2, 3700' - 1 1/4, 4041' - 1 1/2, 4326' - 1, 4611' - 2, 4800' - 2 1/4, 5100' - 1.
Contractor Bit Record: 1- 12 1/4" out at 787'.
2- 7 7/8" PDC out at 5100'.
Gas Detector: DMT Company, Trailer #2
Mud System: Mud Co, Brad Bortz, Engineer
DSTs: None Taken
Logged By Pioneer Logging, Inc (Log Tech)
LTD - 5099'.

DSTs

None Taken

CREWS

Val Drilling Rig #5
Tool Pusher - Randy Smith
Drillers - Days - Andy Brown
Evening - Jeff Hood
Morning - Daniel Olsen

ROCK TYPES

Anhy	Congl	Lmst	Black sh
Bent	Sdy dolo	Mrlst	Gry sh
Brec	Shy dolo	Salt	Shale
Cht	Dol	Shale	Shystst
Clyst	Gyp	Sstst	Slysh
Coal	Sdy lmst	Ss	

ACCESSORIES

MINERAL Anhy	Chlorite	Pellet	Grysh
MINERAL Arg	Dol	Pisolite	Gryst
MINERAL Bent	Sand	Plant	Lms
MINERAL Bit	Silty	Strom	Sandyms
MINERAL Brecfrag	FOSSIL	Fuss	Sh
MINERAL Calc	Algae	Oomoldic	Sststn
MINERAL Chtdk	Amph	STRINGER	Boundst
MINERAL Chtlt	Belm	Anhy	Chalky
MINERAL Dol	Blocist	Arg	Cryxn
MINERAL Ferrpel	Brach	Bent	Earthy
MINERAL Glau	Bryozoa	Coal	Finexln
MINERAL Gyp	Ceph	Dol	Grainst
MINERAL Marl	Coral	Gyp	Lithogr
MINERAL Nodule	Echin	Ls	Microxln
MINERAL Phos	Fish	Mrst	Mudst
MINERAL Pyr	Foram	Sststrg	Packst
MINERAL Salt	Fossil	Carbsh	Wackst
MINERAL Sandy	Gastro	Clystn	
MINERAL Silt	Oolite	Dol	

