

LITHOLOGY STRIP LOG

WellSight Systems

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

Measured Depth Log

Well Name: Mingona #1

Location: NE SW SE NW

License Number: API: 15-007-23865-00-00

Spud Date: April 9, 2012

Region: Barber County, Kansas

Surface Coordinates: 3040' FSL, 1920' FWL Section 25-Twp 31 South - Rge 13 West

Bottom Hole Coordinates: Vertical Hole

Ground Elevation (ft): 1533 K.B. Elevation (ft): 1543

Logged Interval (ft): 3300 To: RTD Total Depth (ft): 4340

Formation: Kinderhook

Type of Drilling Fluid: Chemical Mud, Displace at 3206'

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

	SAMPLE TOPS	LOG TOPS
HEEBNER	3472(-1929)	3472(-1929)
DOUGLAS SHALE	3509(-1966)	3507(-1964)
LANISING	3667(-2124)	3666(-2123)
STARK	4003(-2460)	4000(-2457)
B/KC	4112(-2569)	4110(-2567)
MARMATON	4123(-2580)	4122(-2579)
MISSISSIPPIAN	4160(-2617)	4160(-2617)
KINDERHOOK SHALE	4307(-2764)	4306(-2763)
RTD	4340(-2797)	
LTD		4340(-2797)

COMMENTS

Surface Casing: Set 8 5/8" at 225' with 185 sacks Class A 3% 2%, plug down at 11:00 am 4-10-12. Cement did circulate.

Surveys 3/4 - 225', 3/4 - 4025'

Production Casing: Ran 5 1/2" casing

Contractor Bit Record: 1- 12 1/4 out at 225'

2- 7 7/8" out at 4320'

Gas Detector: David Gould

Mud System: Mud Co, Brad Bortz, Engineer

DSTs: One DST by Tribble Testing.

Logged By Log Tech

LTD 4340'.

DSTs

DST #1 3996 to 4025

Times 30-45-30-45

1st Opening, 3" blow, no blow back

2nd Opening, 2" blow, no blow back

ISIP 1285# FSP 1229#

IFP 24-63# FFP 30-48#

IHP 1967# FHP 1915#

Recovery: 32' SOSM

Base on structural position an log calculations, it was recommended that 5 1/2" casing be set to further evaluate the Mississippian and the Massey zones.

Respectfully,

W. Scott Alberg

CREWS

Val Drilling Rig #2

Tool Pusher - Rick Smith

Daylights - Daniel Olson

Evening - Edward Raney

Morning - John Brees

ROCK TYPES

Anhy	Congl	Lmst	Black sh
Bent	Sdy dolo	Mrst	Gry sh
Brec	Shy dolo	Salt	Shale
Chtl	Dol	Shale	Shylstst
Clyst	Gyp	Siltst	Siltysh
Coal	Sdy lmst	Ss	

ACCESSORIES

<input checked="" type="checkbox"/> Anhy	<input checked="" type="checkbox"/> Chlorite	<input checked="" type="checkbox"/> Pellet	<input checked="" type="checkbox"/> Grysh
<input checked="" type="checkbox"/> Arg	<input checked="" type="checkbox"/> Dol	<input checked="" type="checkbox"/> Pisolate	<input checked="" type="checkbox"/> Grysl
<input checked="" type="checkbox"/> Bent	<input checked="" type="checkbox"/> Sand	<input checked="" type="checkbox"/> Plant	<input checked="" type="checkbox"/> Lms
<input checked="" type="checkbox"/> Bit	<input checked="" type="checkbox"/> Sily	<input checked="" type="checkbox"/> Strom	<input checked="" type="checkbox"/> Sandylms
<input checked="" type="checkbox"/> Brecfrag	<input checked="" type="checkbox"/> Fossil	<input checked="" type="checkbox"/> Fuss	<input checked="" type="checkbox"/> Siltstn
<input checked="" type="checkbox"/> Calc	<input checked="" type="checkbox"/> Algae	<input checked="" type="checkbox"/> Oomoldic	
<input checked="" type="checkbox"/> Carb	<input checked="" type="checkbox"/> Amph		
<input checked="" type="checkbox"/> Chtdk	<input checked="" type="checkbox"/> Belm	<input checked="" type="checkbox"/> Stringer	
<input checked="" type="checkbox"/> Dol	<input checked="" type="checkbox"/> Bioclst	<input checked="" type="checkbox"/> Anhy	
<input checked="" type="checkbox"/> Ferr	<input checked="" type="checkbox"/> Brach	<input checked="" type="checkbox"/> Arg	
<input checked="" type="checkbox"/> Glau	<input checked="" type="checkbox"/> Bryozoa	<input checked="" type="checkbox"/> Bent	
<input checked="" type="checkbox"/> Gyp	<input checked="" type="checkbox"/> Cephal	<input checked="" type="checkbox"/> Coal	
<input checked="" type="checkbox"/> Marl	<input checked="" type="checkbox"/> Coral	<input checked="" type="checkbox"/> Dol	
<input checked="" type="checkbox"/> Nodule	<input checked="" type="checkbox"/> Crin	<input checked="" type="checkbox"/> Gyp	
<input checked="" type="checkbox"/> Phos	<input checked="" type="checkbox"/> Echin	<input checked="" type="checkbox"/> Ls	
<input checked="" type="checkbox"/> Pyr	<input checked="" type="checkbox"/> Fish	<input checked="" type="checkbox"/> Mrst	
<input checked="" type="checkbox"/> Salt	<input checked="" type="checkbox"/> Foram	<input checked="" type="checkbox"/> Sststrg	
<input checked="" type="checkbox"/> Sandy	<input checked="" type="checkbox"/> Gastro	<input checked="" type="checkbox"/> Carbsh	
<input checked="" type="checkbox"/> Silt	<input checked="" type="checkbox"/> Oolite	<input checked="" type="checkbox"/> Clystn	
	<input checked="" type="checkbox"/> Ostra	<input checked="" type="checkbox"/> Dol	

TEXTURE

<input checked="" type="checkbox"/> Boundst
<input checked="" type="checkbox"/> Chalky
<input checked="" type="checkbox"/> Cryxln
<input checked="" type="checkbox"/> Earthy
<input checked="" type="checkbox"/> Finexln
<input checked="" type="checkbox"/> Grainst
<input checked="" type="checkbox"/> Lithogr
<input checked="" type="checkbox"/> Microxln
<input checked="" type="checkbox"/> Mudst
<input checked="" type="checkbox"/> Packst
<input checked="" type="checkbox"/> Wackest

