LITHOLOGY STRIP LOG
WellSight Systems
Scale 1:240 (2"=100') Vertical
Measured Depth Log

Well Name:	Boucinkover #3		
Location:	SE SE SE SE -		
License Number:	API: 15-007-23698-00-00	Region:	Barber County, Kansas
Spud Date:	May 19, 2011	Drilling Completed:	May 30, 2011
Surface Coordinates:	360' FSL, 360' FEL Section 6-Twp 35 South -Rge 11 West Strasnitan		
Bottom Hole Coordinates:	Vertical Hole		
Ground Elevation (ft):	1348	K.B. Elevation (ft):	1358
Logged Interval (ft):	4400	To: 5330	Total Depth (ft): 5330
Formation:	McLish Shale		
Type of Drilling Fluid:	Chemical Mud; Displace at 3310'		

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

OPERATOR

Company: Indian Oil Company,INC
Address: PO BOX 209
207 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

FORM TOP 1

SAMPLE TOPS		LOG TOPS	
LTKN	4404 (-3046)		4403 (-3044)
STARK SHALE	4556 (-3198)		4554 (-3196)
BKC	4568 (-3210)		4566 (-3208)
PAWNEE	4606 (-3248)		4606 (-3248)
FORT SCOTT	4664 (-3306)		4662 (-3304)
CHEROKEE SHALE	4708 (-3350)		4705 (-3347)
MISSISSIPPIAN	4763 (-3405)		4764 (-3406)
MISSISSIPPI CHERT	4814 (-3456)		4812 (-3454)
MISSISSIPPI DOLO	5070 (-3712)		5070 (-3712)
KINDER SAND	5089 (-3731)		5086 (-3728)
PRE CAMB	5096 (-3738)		5096 (-3738)
SIMPSON GROUP	5196 (-3838)		5195 (-3837)
SIMPSON WILCOX	5274 (-3916)		5276 (-3918)
RTD	5330 (-3972)		
LTD			5330 (-3972)

COMMENTS

Surface Casing: Set 8 joints 13 3/8" at 265' with 250 sxs Class A 3% cc 2% gel. Plug down at 9:15 am on May 20, 2011. Cement did circulate.
Surveys 1/4 - 270', 1/2 - 5090'.
Production Casing: Run 5 1/2" casing.
Contractor: Bit Record: 1- 12 1/4" at 270'.
1- 7 7/8" set at 5330'.
2- 7 7/8" out at 5330'
Gas Detector: Jumping Lead, LLC, David Gould
Mud System: Mud Co, Arron Rush, Brad Bortz, Engineers
Log: Log by Tekstar Testing.
Logged By Log Tech
LTD 5130'

DSTs

DST #1 Mississippian - Contractor pulled tool back out after approx 2800' pipe in hole due to possible drawworks trouble.

DST #2 5082-5090' Mississippian
Times 30-60-20-60
1st Opening weak blow to 6 1/2"
1st Closed 1/4" blow back
Fluid recovery - 120' GIP, 5' oil specked mud. Trace oil on top of tool.
IHP 2663 FHP 2637
IFP 20-118 FFP 141-19
ISIP 161 FSIP 121

CREWS

Val Drilling Rig #2
Tool Pusher - Rick Smith

ROCK TYPES

Ashy, Barrr, Bmsr, Cht, Dgsh, Gyp, Chert, Coral, Sdy dolo, Sdy lmst, Dol, Lmst, Sdy brst, Lmst, Mlst, Salt, Shale, Slst, Bx, Black sh, Dry sh, Shale, Shyslst, Shysh

ACCESSORIES

MINERAL: Ashy, Arg, Bent, Bit, Brecfrag, Calc, Carb, Chlrdk, Chrt, Glau, Gyp, Marl, Microxln, Phos, Pyr, Salt, Sandy, Silt

Chlorite, Dol, Sand, Slty

FOSSIL: Algae, Amph, Belm, Bioclst, Brach, Bryozoan, Cephlpd, Coral, Crin, Echin, Foram, Fossil, Gastro, Oolite, Ostra

Pelec, Pellet, Plastic, Plant, Porcln, Pcsh, Quadrdlc

STINGER: Ashy, Arg, Bent, Coal, Dol, Gyp, Lx, Mica, Sltstg, Sstrg, Carbon, Clystn, Dol

Grysh, Grysh, Lms, Sandylms, Shale, Shsh

TEXTURE: Boundst, Chalky, Crystln, Dense, Fnxln, Grainst, Lithogr, Microxln, Packst, Packst, Wackest

Curve Track 1
ROP (min/ft) Gamma (API)

Depth

Lithology

Geological Descriptions

TG, C1-C5
TG (units)
C1 (units)
C2 (units)
C3 (units)
C4 (units)
C5 (units)

Daily Drilling Progress
May 19, 2011 MIRT & Spud
May 20, 2011 270' @ 7:00 am Setting Surface Casing
May 21, 2011 650' @ 7:00 am
May 22, 2011 1302' @ 7:00 am
May 23, 2011 2400' @ 7:00 am
May 24, 2011 3073 @ 7:00 am
May 25, 2011 3907 @ 7:00 am
May 26, 2011 4373 @ 7:00 am
May 27, 2011 4818 @ 7:00 am
May 28, 2011 5081 @ 7:00 am
May 29, 2011 5130' @ 7:00 am
May 30, 2011 5330' @ 7:00 am

Geologist on Location May 20, 2011 10:30 am 40'+

Start Samples & Begin Time at 4400'

Mud Co Mud Check
May 20, 2011
4400' @ 11:15 am
VIS 38
WT 9.1
pH 10.5
CL 1200
CH 1600 ppm
LCM 0

Lime, cream-white, soft, fine, slightly tan in part, trace of gray-white chert, occasionally in part, no visible stained, no odor, no fluor.

Stark Shale 4556 (-3198)

Shale, gray-black, slightly carb.

Lime, cream-white, dense.

BKC 4568 (-3210)

Lime, cream-white, tan, fine, trace fossil fragments, trace of gray-white chert, no visible stain, no fluor, slight increase in gas, no odor, slightly in part.

CT 1 4567

Pawnee 4606 (-3248)

Shale, gray-black, slightly carb, slight show of gas.

Lime, cream-white to tan, fine, trace in part in oolitic, trace of chert, occasionally, trace of tan gray chert, no visible stained, no odor.

Shale, gray, gray-black, slightly carb.

Lime, gray-white, cream, tan, fine, slightly in part.

Shale, gray-green.

Lime, gray-white, cream, tan, fine, slightly in part.

Shale, 1/2 gray.

Lime, cream-white, off, sub-chalky, fine, no part.

Shale, light gray-green.

Lime, cream-white, off, sub-chalky, fine, no part.

Shale, gray-green.

Lime, cream-white, off, sub-chalky, tan chert, slightly fine, no part.

Fort Scott 4664 (-3306)

Lime, cream-white, off, sub-chalky, tan chert, slightly fine, no part.

Shale, Gray-black, carb.

Lime, cream-white, off, fine, tan, pin point porosity, trace of tan chert, slightly fine, dull fluor., no visible stained, no odor.

Cherokee Group 4708 (-3350)

Shale, gray-black, carb.

Lime, tan, cream-white, off, trace of tan chert, slightly fine, substchty in part.

Shale, gray-black, slightly carb.

Lime, tan, cream-white, fine, dense, slightly fine, substchty in part, tan shale.

Cherokee Sand 4763 (-3405)

Shale, gray, green.

Sandstone, clear to gray-white, some tan, 5A to 5B, fn ground, well sorted, friable, no odor, no visible stained, questionable light stain, no fluor, no gas show.

Shale, gray-green, maroon, some sandstone, trace of tan limestone, few sand stringers, some sandstone chert, soft.

Mississippian 4814 (-3456)

Chert, white, off-white, sharp, weathered, some pin point porosity, light staining, aspectic staining, slight show gas bubbles, good gas indication, trace of fluor on tray, slight show floating oil, faint odor, very dull fluor.

Chert, white, off-white, weathered, sharp, some pin point porosity, weathered sharp, slight show of oil, slight show of gas, faint odor, dull fluor, trace of fluor on tray.

CT 1 5100

Chert, off-white to tan-white, sharp, weathered, some pin point porosity, some sublitmd frags, fair staining, fair odor, fair show of oil and gas, dull scattered fluor.

Mud Co Mud Check
May 26, 2011
4900' @ 10:30 am
VIS 42
WT 9.2
pH 10.5
CL 1200
CH 1500 ppm
LCM 0

Chert, white to tan-white, weathered, pin to fine pin porosity, fair stain, good gas indication, fair show of oil & gas, fair staining, dull fluor.

Chert, tan-white, weathered, some sharp, fair staining, fair odor, fair show of & gas, pin to way porosity, dull fluor.

Shale, light gray, tan, sh, weathered sharp slight staining, dark gray-green spintery shale.

Shale, gray, tan, sh, sharp, blocky spintery gray-green shale.

Shale, light gray, tan, very sharp, dark gray-green shale.

Shale, gray, dark gray shale, sharp in part.

Shale, gray, dark gray spintery shale.

Shale, gray, dark gray-green spintery shale.

Shale, gray, dark gray-green spintery shale.

Mississippi Chert 5070 (-3712)

Sandstone Sandy MSC

Shale, gray to light gray, silty.

Shale, light gray, silty.

Mud Co Mud Check
May 28, 2011
5081' @ 10:30 am
VIS 42
WT 9.1
pH 10.5
CL 1200
CH 0
LCM 1

Shale, light gray, silty.

Shale, light gray, silty.

Shale, gray-black, carb.

Shale, gray-black, carb, show gas.

May 29, 2011
5081' @ 7:00 am

CT 1 5097

Sandstone, clear to white, 5B to 5A, some fn ground, well sorted, friable, no odor, no visible stained, gd gas indication, gd float fluor, fair show of oil, fair odor.

Shale, red brown, gray, sandy texture, very consortia, no visible stained.

Shale, gray-white, soft, marl.

Mud Co Mud Check
May 29, 2011
5081' @ 10:30 am
VIS 42
WT 9.1
pH 10.5
CL 0
CH 0
LCM 1

Shale, light gray, soft, some fine fragments.

May 30, 2011
5130' @ 7:00 am

Mississippi Chert 5196 (-3838)

Shale, cream-white, off, chalky, traces of tan chert.

Lime, cream-white, off, dense, tan chert, trace of chalky, tn.

Lime, cream-white, off, dense, tan chert, trace.

Lime, cream-white, off, dense, tan chert, trace.

Simpson Group 5274 (-3916)

Lime, tan, off, cream, fine grained, tan chert, dolo in part.

Sandstone, clear to white, dolomitic, some frgtals, very fast show in one cluster, glass, gd.

Shale, dark green, traces of pyrite.

Sandstone, 5A to 5B, clear to white frosted, fn to med, well sorted, friable, good, trace of dolo, glass, no visible stained, no odor, no fluor.

Sandstone, 5A to 5B, well cemented, dolomitic, fair sorting, no visible stained.

Sandstone, clear to white, friable, clear sand, no visible stained, no odor, no fluor.

Shale, dark green, firm, waxy.

Simpson Sand 5320 (-3962)

Sandstone, clear to white, fn to med, well sorted, friable, good, trace of dolo, glass, no visible stained, no odor, no fluor.

Sandstone, clear to white, fn to med, well sorted, friable, good, trace of dolo, glass, no visible stained, no odor, no fluor.

Shale, dark green, firm, waxy.

RTD 5330' (-3972)
LTD 5330'

Mud Co Mud Check
May 30, 2011
5330' @ 7:00 am
VIS 42
WT 9.1
pH 10.5
CL 0
CH 0
LCM 1

May 30, 2011
5330' @ 7:00 am
LTD 5330'