DIXON ENERGY INC.
GEOLOGIST'S REPORT
DRILLING TIME AND SAMPLE LOG

COMPANY: Dixon Energy Inc.	FIELD: Wildcat
LEASE: Scriver #2	COUNTY: Rosebud
LOCATION: 1027' FSL & 3097' FEL	STATE: Montana
SEC. 31 TWP. 2S RGE. 6W	ELEV. KB: 1454
OPERATOR: Dixon Energy Inc.	GL: 1444
CONTRACTOR: Lil Beaver Drilling #2	From: Kelly Bushing
SPUD: 4/24/2011	CASING:
RTD: 4262	8 5/8" @ 1000'
LTD: 4263	4 1/2" @ 4263'
MUD UP: 3000'	TYPE MUD: Chemical

DRILLING TIME KEPT FROM: 3000' TO: TD	
SAMPLES EXAMINED FROM: 3000' TO: TD	
GEOLOGIST ON SITE: 3000' TO: TD	
GEOLOGIST: Ryan M. Dixon	

ELECTRICAL SURVEYS
DRILL STEM TESTS: None
CORES: None

Heebner Sh	3070 (-1616)	3070 (-1616)
Toronto Ls	3092 (-1638)	3092 (-1638)
Brown Lime	3313 (-1859)	3311 (-1857)
Lansing	3329 (-1875)	3327 (-1873)
Stanton Ls	3763 (-2309)	3761 (-2307)
Mississippian	3767 (-2313)	3765 (-2311)
	3767 (-2313)	3765 (-2311)
	3767 (-2313)	3765 (-2311)
	4	4

NOTE: ALL TIMES ARE DRILLING TIMES

REMARKS Reference Well for Structural Position:
Rockwell Drilling Bowerson D-81
sec. 31-2S-6W Approx. W/2-SE

LEGEND

Anhydrite, Sandstone, Shale, Carb Sh, Dolomite, Chert, Limestone, Chert, Dolomite

LITHOLOGY | DEPTH (5 1.0 5 10 15 20 30) | DRILLING TIME IN MINUTES PER FOOT (Rate of Penetration Decreases →) | SAMPLE DESCRIPTION | REMARKS

2900
2950
3000
3050
3100
3150
3200
3250
3300
3350
3400
3450
3500
3550
3600
3650
3700
3750
3800
3850
3900
3950
4000
4050
4100
4150
4200
4250

Sh, red-dk gry, blk
LS, crm, fr etc, dns, no vis poro

DISPLACED @ 3000'

HEEBNER SH 3070 (-1616)

Sh, red-dk gry, scat pyrite
Sh, dk gry blk, carb
LS, crm, sxs, fn-md xln, foss, scat sugs, sub p pel

TORONTO LM 3092 (-1638)

LS, AA, dns
LS, crm, buff, fn etc, chky, p-fr int xln poro, scat sugs
Sh, mod-dk gry, silty
Sh, AA, sl calc, sl micaceous, well crstd, fan fissile, pr int grn poro, silty
LS, crm, sxs, fn etc, granular, dns, no vis poro
Sh, fr-md gry, silty
Sh, mod-dk gry
Sh, mod gry
Sh, AA
Sh, fr-md gry
Sh, mod gry, silty
Sh, AA
Sh, fr-md gry
Sh, mod gry
Sh, AA
Sh, AA
Sh, fr-md gry, silty

BROWN LIME 3311 (-1857)

LS, sxs, fn etc, dns, foss, no vis poro
LS, crm, tan, mxl xln, gd moldic poro, chky, NS
LS, AA
LS, gry, crm, fn etc, dns, no vis poro
LS, crm, fn-md xln, pr-fr sug poro, NS
LS, crm, buff, fn etc, dns, no vis poro
LS, AA
LS, tan, fn etc, dns, no vis poro
Sh, mod gry
LS, crm, tan, fn etc, chky, no vis poro
NO SAMPLE
NO SAMPLE
NO SAMPLE
LS, tan, fn etc, no vis poro
LS, gry, tan, fn etc, scat foss, dns, no vis poro
LS, AA, abdt Sh, gry, grn
LS, tan, fn etc, dns, no vis poro
LS, gry, tan, micro-fn etc, dns, no vis poro
LS, AA, abdt Sh, dk gry
Sh, mod-dk gry
Sh, AA
Sh, mod gry
Sh, mod-dk gry
Sh, AA
Sh, dk gry, lmsg LS, crm, fn etc, chky, no vis poro
LS, gry, fn etc, dns, no vis poro, scat Sh
Sh, mod-dk gry
LS, tan, micro-fn etc, dns, no vis poro
LS, tan, fn-md xln, pr-fr sug poro, NS
LS, AA
Sh, mod-dk gry
LS, crm, fn etc, dns, no vis poro
LS, crm, fn etc, chky
LS, crm, fn etc, fr sug poro, brittle, scat CH, fresh, NS
LS, buff, tan, fn etc, no vis poro
LS, gry, crm, micro-fn etc, v dns, no vis poro
LS, AA
LS, AA
LS, AA
LS, crm, fn etc, gd osmotic poro, NS
LS, AA, fn etc, no poro
Sh, blk, carb

SHORP LM 3763 (-2309)

LS, tan, fn etc, gd osmotic poro, NS
LS, crm, tan, fn etc, chky
LS, AA
LS, crm, tan, fn etc, no vis poro

HERTHA LM 3765 (-2311)

LS, tan, fn-md xln, vry gd osmotic poro, NS
LS, crm, fn-md xln, scat sugs, NS
LS, gry, micro-fn etc, dns, no vis poro
LS, tan, fn etc, scat foss, no vis poro
LS, gry, micro-fn etc, dns, no vis poro
Sh, mod gry
Sh, mod-dk gry
LS, crm, gry, fn etc, brittle, no vis poro
LS, AA, abdt Sh, gry, grn
Sh, red, grn, gry
LS, crm, tan, fn etc, no vis poro
Sh, blk, dk gry, carb
LS, crm, tan, gry, micro-fn etc, dns, no vis poro
LS, AA
LS, AA
LS, AA, incr Sh, gry
LS, crm, tan, fn etc, chky, no vis poro, Sh, dk gry, blk
LS, crm, gry, micro- fn etc, dns, no vis poro
LS, AA
LS, AA, Sh, blk
LS, crm, fn etc, brittle, no vis poro
LS, crm, fn etc, chky, fine poro Sh, blk
LS, gry, fn etc, no vis poro, abdt Sh, grn
LS, crm, tan, fn etc, chky, no vis poro
LS, gry, tan, micro-fn etc, dns, no vis poro
LS, AA, Sh, mod-dk gry
LS, AA
Sh, mod gry, grn
Sh, AA
LS, crm, tan, micro-fn etc, dns, no vis poro
Sh, fr-md gry
Sh, fr gry, grn
Sh, AA
Sh, fr gry, grn, maroon
LS, crm, fn etc, dns, no vis poro, abdt glauconite
Sh, gry, grn, yellow, maroon
Sh, red, yellow, grn, gry, fine sd grns, rounded, sp
Ch, wht, sal w/ incr, lsh, gd tny poro granular, fine pck chky, pr SFO, fair odor, fair flour
Ch, wht, sal w/ fine, gd tny poro, dissolving w/ strong odor, gd flour
Ch, wht, sal w/ fine, gd tny poro, dissolving w/ strong odor, gd flour
Ch, wht, gry, fine pck, fine poro SFO, fair odor, fair flour
Ch, wht, gry w/ sub fine pck poro, pr-no SFO, pr odor, pr flour, partly dolomitic
Ch, wht, gry w/ pck poro, chky, ABFO, pr odor, pr flour, pr SFO, dolomitic
Ch, wht, granular to mushy, 15%, ABFO, pr odor, pr flour
Ch, wht, chky, dm granular, 15%, FSFO, pr odor, pr flour
Ch, AA, dsm in shale
Ch, wht, vry chky, gd tny poro, NS
Ch, wht, chky to fresh, scat SFO 15%, pr-no odor, pr flour
Ch, AA
Ch, AA, NS
Ch, wht, chky, dm granular, NS
Ch, wht, chky, dm granular, chky to smky, NS
Ch, AA
Ch, wht, fresh, sharp, NS

DISPLACED @ 3100'
DISPLACED @ 3150'
DISPLACED @ 3200'
"Geologist Chart" Estimated Brown Lime
"Geologist Chart"
"Dry Poor Samples" from 3340-3570
Rod Check 1-22-11 0.000@ @ 3400' 34' 00"
Rod Check 1-22-11 0.000@ @ 3500' 35' 00"
CFS @ 3750' 37' 00"
CFS @ 3770' 37' 00"
CFS @ 3810' 38' 00"
Rod Check 1-22-11 0.000@ @ 3900' 39' 00"
CFS @ 3950' 39' 00"
CFS @ 4120' 41' 00"
MISSISSIPPIAN 4151 (-2687)
CFS @ 4140' 41' 00"
CFS @ 4150' 41' 00"
Rod Check 1-22-11 0.000@ @ 4200' 42' 00"
CFS @ 4240' 42' 00"
Rod Check 1-22-11 0.000@ @ 4250' 42' 00"
CFS @ 4260' 42' 00"

Mississippian Formation

Ch, wht, sal w/ fine, lsh, gd tny poro granular, fine pck chky, pr SFO, fair odor, fair flour

Ch, wht, sal w/ fine, gd tny poro, dissolving w/ strong odor, gd flour

Ch, wht, sal w/ fine, gd tny poro, dissolving w/ strong odor, gd flour

Ch, wht, gry, fine pck, fine poro SFO, fair odor, fair flour

Ch, wht, gry w/ sub fine pck poro, pr-no SFO, pr odor, pr flour, partly dolomitic

Ch, wht, gry w/ pck poro, chky, ABFO, pr odor, pr flour, pr SFO, dolomitic

Ch, wht, granular to mushy, 15%, ABFO, pr odor, pr flour

Ch, wht, chky, dm granular, 15%, FSFO, pr odor, pr flour

Ch, AA, dsm in shale

Ch, wht, vry chky, gd tny poro, NS

Ch, wht, chky to fresh, scat SFO 15%, pr-no odor, pr flour

Ch, AA

Ch, AA, NS

Ch, wht, chky, dm granular, NS

Ch, wht, chky, dm granular, chky to smky, NS

Ch, AA

Ch, wht, fresh, sharp, NS