

**LITHOLOGY STRIP LOG**  
**WellSight Systems**  
 Scale 1:240 (5"=100') Imperial  
 Measured Depth Log

Well Name: B1 Porter #1-31  
 Location: SE NE NW NE  
 License Number: API: 15-063-21985-00-00  
 Spud Date: April 18, 2012  
 Surface Coordinates: 359° FNL & 1339 FEL Section 31-TWP 14S - RNG 30 W  
 Bottom Hole Coordinates: Vertical Hole  
 Region: Gove County, Kansas  
 Drilling Completed: April 26, 2012  
 Ground Elevation (ft): 2704  
 K.B. Elevation (ft): 2709  
 Logged Interval (ft): 3500  
 To: RTD  
 Total Depth (ft): 4465  
 Formation: Mississippi  
 Type of Drilling Fluid: Chemical Displace at 3338'  
 Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

**OPERATOR**

Company: Eternity Exploration, LLC  
 Address: 338 Spyglass Drive  
 Coppell, Texas 75019+5430

**GEOLOGIST**

Name: W. Scott Alberg  
 Company: Alberg Petroleum, LLC  
 Address: 609 Meadowlark Lane  
 Pratt, Ks 67124

**COMMENTS**

Surface Casing: Run new 23# 8 5/8" and set at 208' with 165 sacks Class A, 3% cc, 2% gel cement did circulate. Plug down at 8:00 pm April 18, 2012.  
 Production Casing: None  
 Deviation Surveys: 3/4 degree @ 208'; 1/2 - 4290'; 1 1/4 - 4465'.  
 Pipe Strap 4047.79  
 Board 4047.59  
 Strap .20 Long  
 Contractor Bit Record: 1-12 1/4" out at 208'  
 2- 7 7/8" out at 4465'  
 RTD 4465'  
 Logs: Superior Well Services, Inc, DIL, CDL/CDL, Micro  
 LTD 4466'  
 Gas Detector: None

**FORMATION TOPS**

	SAMPLE TOPS	LOG TOPS
ANHYDRITE	2160(+549)	2160(+549)
BASE ANHYDRITE	2191(+519)	2191(+522)
HEEBNER	3761(-1052)	3762(-1052)
LANSING	3799(-1090)	3798(-1089)
STARK SHALE	4045(-1336)	4044(-1335)
B/KC	4126(-1417)	4131(-1422)
MARMATON	4155(-1446)	4160(-1451)
PAWNEE	4249(-1539)	4249(-1540)
MYRIC STATION	4280(-1571)	4285(-1576)
FT SCOTT	4305(-1596)	4306(-1597)
CHEROKEE SHALE	4332(-1623)	4332(-1623)
JOHNSON	4374(-1665)	4374(-1665)
MISSISSIPPI	4419(-1704)	4419(-1707)
RTD	4465(-1756)	4466(-1757)

**DSTs**

**DST #1 3955-4041**  
 Times 30-60-30-60  
 1st Opening - Strong blow, BOB 0 1/2 minutes, no blow back  
 Recovery - 175' WCM, few oil spots on top(30% W, 70% M), 180' MCW (80% W, 20% M), 360' CMCW (90% W, 10% M)  
 IFP 1073# FFP 257-397#  
 ISIP 1411# FSP 1137#  
 IHP/FHP 2007/1926#

**DST #2 4042-4109'**  
 Times 30-30-30-30  
 1st Opening - Strong Blow, BOB 1/2 Minute, no blow back  
 2nd Opening - Strong Blow BOB 3 Minutes, no blow back  
 Recovery: 230' WCM (35% W, 65% M), 420' MCW (80% W, 20% M), 95% W, 5% M), 1260' SMCW(95% W, 5% M)  
 IFP 325-720# FFP 750-956#  
 ISIP 1411# FSP 1137#  
 IHP/FHP 2053/1982#

**DST #3 4258-4290**  
 Times 30-60-45-60  
 1st Opening - 10 1/2 in blow, no blow back  
 2nd Opening - 6 1/4 in blow, no blow back  
 Recovery: 110' O& WCM(15% O, 15%W, 70% M), 180' O& MCW(trace gas, 10% O, 75% W, 15% M), 120' SO& MCW(5% O, 85% W, 10% M)  
 IFP 23-133# FFP 137-199#  
 ISIP 76# FSP 734#  
 IHP/FHP 2168/2055#

**DST #4 4350-4411'**  
 Times 30-30-30-30  
 1st Opening - 1 1/4" blow, no blow back  
 2nd Opening - weak surface blow, no blow back  
 Recovery: 120' OCM (30% O, 70% M)  
 IFP 29-60# FFP 70-79#  
 ISIP 1102# FSP 1099  
 IHP/FHP 2237/2182#

**CREWS**

WW Drilling Drilling, Rig #6  
 Tool Pusher - John Mayer  
 Daylight Driller - Greg Ernst  
 Evening Driller - Allen Branstfield  
 Morning Driller - Scott Buchholz

Based on sample shows, structural position and the results of the DST's, it was recommended by all parties this test well be plugged and abandoned.

Respectfully,  
 W. Scott Alberg

**ROCK TYPES**

Anhy	Congl	Lmst	Black sh
Bent	Sdy dolo	Mrlst	Gry sh
Brec	Shy dolo	Salt	Shale
Cht	Dol	Shlst	Shylstst
Chst	Gyp	Sstst	Stlysh
Coal	Sdy lmst	Ss	

**ACCESSORIES**

MINERAL	Chlorite	Pelec	Grysh
Anhy	Dol	Pelotite	Lms
Arg	Sand	Pisotite	Sandy lms
Bit	Sty	Strom	Sh
Brecfrag		Fuss	Stlstr
Calc	Fossil	Oomoldic	
Carb	Algae		
Chhtk	Amph	STRINGER	
Chht	Belm	Anhy	
Dol	Biolcst	Arg	
Ferrpel	Brach	Bent	
Ferr	Bryozoa	Coal	
Glau	Cephal	Doal	
Gyp	Coral	Gyp	
Marl	Crin	Ls	
Nodule	Echin	Mrlst	
Phos	Fish	Stlstrg	
Pyr	Foram	Ssstrg	
Salt	Fossil	Carsh	
Silt	Gastro	Clystn	
Silt	Oolite		
	Ostra		

