

# Legend Drilling

# Drillers Log

Rig Number: 1	S. 23 T. 32 R. 15 E
API No. 15-125-32454	County: Montgomery
Elev. 800'	Location: SW-SE-SW-NW

Gas Test:  
Drill To 900' on Air Then Switched To mud

Operator: Polaris Energy Inc
Address: P.O. Box 85 maineville OH 45039
Well No: BL-23 Lease Name: J & V Gordon Trust
Footage Location: 2805 ft. from the (N) (S) Line
4455 ft. from the (E) (W) Line
Drilling Contractor: Legend Drilling
Spud Date: 8/3/15 Geologist:
Date Completed: 8/16/15 Total Depth: 1522'

Casing Record	Rig Time:
Surface	Production
Size Hole: 11"	8/6/15 2 hrs mix mud
Size Casing: 8 7/8"	8/10/15 30 min wash up samples
Weight: 23#	1 1/2 mix mud
Setting Depth: 83'	4 hrs Total \$1400.00
Type Cement: Port	
Sacks: Service company	

\$15,981.00  
1522' @ \$10,500.00/Ft  
4 hrs Rig Time @ \$350.00/hr  
Total \$17,381.00 Approve  
with B.

Taj water @ 850'

Well Log			Well Log			Well Log		
Formation	Top	Btm.	Formation	Top	Btm.	Formation	Top	Btm.
Soil/Clay	0	6	fit. limy	602	625	shale	1134	1182
Sand Stone	6	10	shale	625	702	mississippi	1182	1487
Sand	10	58	orange limy	702	733	green shale	1487	1495
shale	58	78	limy	733	746	lime	1495	1499
lime	78	98	lime	746	771	blk shale	1499	1509
shale	98	118	milky	771	777	Abuckle	1509	1522
lime	118	117	lime	777	786			
shale	117	127	shale	786	793			
lime	127	148	coal	793	794			
shale	148	230	shale	794	820			
lime	230	242	coal	820	821			
fine sand	242	260	shale	821	946			
shale	260	294	coal	946	987			
lime	294	301	shale	987	976			
shale	301	389	lime	976	986			
lime	389	391	shale	986	999			
shale	391	409	sand	999	1004			
lime	409	412	shale	1004	100			
fine sand	412	434	sand	1016	1034			
shale	434	461	shale	1034	1046			
lime	461	486	SAND / shale	1046	1068			
fine sand	486	512	SAND	1068	1085			
brn shale	512	516	water sand	1085	1088			
shale	516	602	brn shale	1088	1134			