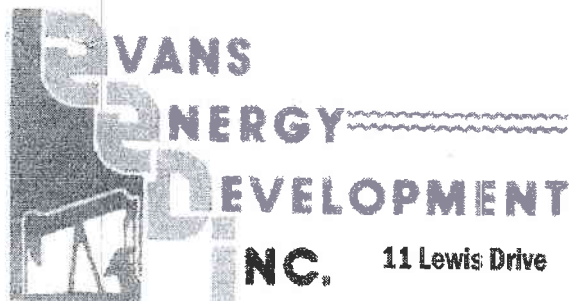




11 Lewis Drive

Paola, KS 66071

Oil & Gas Well Drilling
Water Wells
Geo-Loop Installation

Phone: 913-557-9083

Fax: 913-557-9084

WELL LOG

L & P Enterprises, LLC

Heeler #W10

API#15-121-29,598

September 5 - September 9, 2013

Thickness of Strata	Formation	Total
5	soil & clay	5
8	broken lime	13
13	shale	26
20	lime	46
27	shale	73 red
12	lime	85
101	shale	186
18	lime	204
13	shale	217
1	lime	218
1	shale	219
2	lime	221
11	shale	232
5	lime	237
35	shale	272
13	lime	285
15	shale	300
23	lime	323
1	shale	324
1	lime	325
8	shale	333
4	lime	337
2	lime	339 85% saturated good bleeding soft lime 15% white lime
2	lime	341 50% saturated good bleeding soft lime 50% lime
16	lime	357 few thin bleeding seams mainly solid lime
5	shale	362
12	lime	374 base of the Kansas City
21	shale	395
2	silty shale	397
6	sand	403 green & brown (gassy) ok bleeding
7	broken sand	410 green sand & shale, good bleeding (gassy)
2	silty shale	412
115	shale	527
6	lime	533
1	shale	534
2	lime	536 tan lime with perosity breaks, light bleeding

3	lime	539	broken, good saturation, good bleeding
1	lime	540	60% bleeding lime 40% lime, good bleeding
3	lime	543	
38	shale	581	
1	coal	582	
5	shale	587	
8	lime	595	
13	shale	608	
3	lime	611	
57	shale	668	
1.5	oil sand	669.5	light brown sand, minimal bleeding
0.5	silty shale	670	
2	broken sand	672	60% brown sand good bleeding (gassy)
			40% shale
1	lime	673	
3	broken sand	676	40% brown ok bleeding, 60% shale gassy
1.5	silty shale	677.5	
1	oil sand	678.5	good bleeding, gassy
0.5	silty shale	679	
5.5	broken sand	684.5	30% good bleeding sand (gassy)
			70% shale
2.5	silty shale	687	
36	shale	723	TD

Drilled a 9 7/8" hole to 20.1'

Drilled a 5 5/8" hole to 723'

Set 20.1' of 7" surface casing threaded and coupled cemented with 6 sacks of cement

Set 713' of 2 7/8" 8 round upset tubing with 3 centralizers, 1 float shoe, 1 clamp



262235

TICKET NUMBER 42460

LOCATION Ottawa KS

FOREMAN Fred Mader

FIELD TICKET & TREATMENT REPORT

CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
9.9.13	4828	Heeler # W-10	MEAD NW 6	170	22	MI
CUSTOMER L & P Enterprises LLC						
MAILING ADDRESS 29975 Indianapolis Rd						
CITY Paoli						
STATE KS						
ZIP CODE 66021						
			TRUCK #	DRIVER	TRUCK #	DRIVER
			712	Fremad		
			495	Har Dec		
			369	Dermos		
			548	Mik Hag		

JOB TYPE Long string HOLE SIZE 5-7/8 HOLE DEPTH 723 CASING SIZE & WEIGHT 2 7/8 EUE

CASING DEPTH 513 DRILL PIPE _____ TUBING _____ OTHER _____

SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/bk _____ CEMENT LEFT in CASING 2 1/2" Plug

DISPLACEMENT 4.15881 DISPLACEMENT PSI _____ MIX PSI _____ RATE 50 BPM 2

REMARKS: Hold crew safety meeting. Establish circulation. Mix Pump 100°

Red Flush Mix + Pump 102 sks 50/50 Por. Mix Cement 2% Gel

$\frac{1}{2}$ ²² 0/100 Seal/sk. Cement to surface. Flush pump & lines clean.

Displace 2 1/2" Rubber plug to casing TD. Pressure to 800# PSI

Release Pressure to set float Valve. Shut in casing.

Evans Energy Distributors - Mitchell

Leo Maden

[illegible]

Figvin 3737

AUTHORIZATION Kein by phone

TITLE

DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.