



11

Oil & Gas Well Drilling
Water Wells
Geo-Loop Installation

11 Lewis Drive Paola, KS 66071

Phone: 913-557-9083
Fax: 913-557-9084

WELL LOG
L & P Enterprises, LLC
Heeler #W11
API#15-121-29,599
August 31 - September 3, 2013

Thickness of Strata	Formation	Total
3	soil & clay	3
10	broken lime	13
13	shale	26
19	lime	45
23	shale	68 red
15	lime	83
3	shale	86
3	lime	89
96	shale	185
22	lime	207
24	shale	231
3	lime	234
33	shale	267
16	lime	283
13	shale	296
26	lime	322
7	shale	329
10	broken lime	339 good oil show
14	lime	353
5	shale	358
13	lime	371 base of the Kansas City
18	shale	389
14	sand	403 green sand, good oil show
3	silty shale	406
123	shale	529
5	lime	534
1	shale	535
9	lime	544 ok oil show
43	shale	587
4	lime	591
18	shale	609
2	lime	611
57	shale	668
2	silty shale	670
3.5	oil sand	673.5 90% oil sand, 10% laminated shale seams gassy, ok bleeding
2	silty shale	675.5
1	broken sand	676.5 40% brown sand, 60% silty shale, gassy ok bleeding

670
674

743
283

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10.5	silty shale	687
43	shale	730 TD

Drilled a 9 7/8" hole to 22'
Drilled a 5 5/8" hole to 730'

Set 22' of 7" surface casing cemented with 6 sacks of cement

Set 721.5' of 2 7/8" 8 round upset tubing with 3 centralizers, 1 float shoe, 1 clamp



CONSOLIDATED
ON THE SERVICE, L.L.C.

262080

TICKET NUMBER 42430

LOCATION Ottawa

FOREMAN Alan Mader

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8878

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
9.4.13	4828	Heeler W-11	NW 8	17	22	MI
CUSTOMER <u>hdp Enterprises</u>			TRUCK #			
MAILING ADDRESS <u>29975 Indianapolis</u>			DRIVER			
CITY <u>Paola</u>			TRUCK #			
STATE <u>KS</u>			DRIVER			
ZIP CODE <u>66071</u>			TRUCK #			
JOB TYPE <u>long string</u>			DRIVER			
HOLE SIZE <u>5 1/8</u>			TRUCK #			
HOLE DEPTH <u>730</u>			DRIVER			
CASING DEPTH <u>721.2</u>			TRUCK #			
DRILL PIPE			DRIVER			
TUBING			TRUCK #			
OTHER			DRIVER			
SLURRY WEIGHT			TRUCK #			
SLURRY VOL			DRIVER			
WATER gal/sk			TRUCK #			
CEMENT LEFT in CASING <u>yes</u>			DRIVER			
DISPLACEMENT <u>4.2</u>			TRUCK #			
DISPLACEMENT PSI <u>800</u>			DRIVER			
MIX PSI <u>200</u>			TRUCK #			
RATE <u>4 bpm</u>			DRIVER			

REMARKS: Held meeting. Established rate down casing. Mixed & pumped 100# gel followed by 97 9K 50150 cement plus 2 1/2 gal. Circulated cement. Flushed pump. Pumped plug to casing TD. Well held 800 PSI. Set float. Closed valve.

Evans Mitchell

Alan Mader

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	666	1095.00
5406	20	MILEAGE	666	89.00
5402	721.2	casing footage	666	
5407	misc	for miles	50	368.00
55026	2	80 val	675	180.00
1124	97	50150 cement		1115.50
1188	263#	gel		57.86
4402	1	2 1/2 plug		29.50
			SALES TAX	89.01
			ESTIMATED TOTAL	3008.87

Form 3737

AUTHORIZATION [Signature]

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