

RECEIVED OCT 20 2014

Jackman Oilfield Services
1 West Mulberry St.
Colony, KS 66015
620-852-3350

WELL LOG
Kansas Resource Exploration & Development, LLC
Hays KR-33

October 8, 2014

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>	
8.00	soil/clay	8.00	
14.00	lime	22.00	
18.00	shale	40.00	
8.00	lime	48.00	
39.00	shale	87.00	
21.00	lime	108.00	
7.00	shale	115.00	
15.00	lime	130.00	
3.00	shale	133.00	
9.00	lime	142.00	
12.00	shale	154.00	
21.00	lime	175.00	
5.00	shale	180.00	
13.00	lime	193.00	
137.00	shale	330.00	
2.00	lime	332.00	
21.00	shale	353.00	
15.00	lime	368.00	
5.00	sandy shale	373.00	
1.00	oil sand	374.00	light bleed
26.00	shale	400.00	
2.00	coal	402.00	
7.00	shale	409.00	
5.00	lime	414.00	
14.00	shale	428.00	
3.00	lime	431.00	
13.00	shale	444.00	
12.00	lime	456.00	
14.00	shale	470.00	
2.00	lime	472.00	
1.00	shale	473.00	
6.00	lime	479.00	

1.00	broken	480.00	good bleed
2.50	lime	482.50	
7.50	oil sand	490.00	light-med. Bleed
1.50	lime	491.50	
4.00	broken(70%shale)	495.50	light bleed
4.50	shale	500.00	TD

Drilled a 9 7/8" hole to 19'7"

Drilled a 5 7/8" hole to 500'

Set 20' of 7" surface casing cemented with 8 sacks of portland cement

No pipe ran

Hays KR-33



271984

TICKET NUMBER 50521 ²⁴⁸
 LOCATION Ottawa ⁽²⁴⁷⁾
 FOREMAN Alan Made

PO Box 884, Chanute, KS 66720
 620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY																				
10-17-14	4448	Haves KR-33	SW 13	18	22	M																				
CUSTOMER Kansas Resources E+D			<table border="1"> <thead> <tr> <th>TRUCK #</th> <th>DRIVER</th> <th>TRUCK #</th> <th>DRIVER</th> </tr> </thead> <tbody> <tr> <td>730</td> <td>Ala Mad</td> <td>Safety</td> <td>Meat</td> </tr> <tr> <td>368</td> <td>Ar (MJ)</td> <td>PTUP 675</td> <td></td> </tr> <tr> <td>370</td> <td>Mik Fox</td> <td>DAW 1389</td> <td></td> </tr> <tr> <td>503</td> <td>Trotter</td> <td>DAW 1400</td> <td></td> </tr> </tbody> </table>				TRUCK #	DRIVER	TRUCK #	DRIVER	730	Ala Mad	Safety	Meat	368	Ar (MJ)	PTUP 675		370	Mik Fox	DAW 1389		503	Trotter	DAW 1400	
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MAILING ADDRESS 9393 W 110th																										
CITY Overland Park	STATE KS	ZIP CODE 66210																								
JOB TYPE plug	HOLE SIZE 5 7/8	HOLE DEPTH 300																								
CASING DEPTH	DRILL PIPE	TUBING 1" 300																								
SLURRY WEIGHT	SLURRY VOL	WATER gal/sk																								
DISPLACEMENT	DISPLACEMENT PSI	MIX PSI																								
REMARKS: held meeting washed 1" to hole TD. Mixed & pumped 30 sk 30/50 cement plus 6% gel. Pulled 1" to 250' Mixed & pumped 21 sk more cement. Circulated cement to surface pulled 1" out. Topped off well, left well full bottom to top.																										
51 sk total																										
Jackman																										
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CASING SIZE & WEIGHT _____
 OTHER _____
 CEMENT LEFT in CASING _____
 RATE 1 bpm

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51 sk total
 Jackman
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ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5425N	1	PUMP CHARGE	368	1085.00
5406	10	MILEAGE from hoover	368	4200
5407	1/2 min	100 miles	523	184.00
5502C	1 1/2	80 VGL	370	150.00
1124	51	50/50 cement	586.50	
1118B	257	gel	56.54	
		material sub	643.04	
		less 30% -	192.92	
		material total		450.13
		completed		
			2153.23	
		SALES TAX		34.45
		ESTIMATED TOTAL		1945.56

NO company rep
 AUTHORIZATION Jim Okid

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.