



Don Breuel #O11

Linn County, KS

10-22S-23E

API: 107-15174

Spud Date:	3/22/2016	Surface Bit:	11.0"
Surface Casing:	8.625"	Drill Bit:	6.75"
Surface Length:	28.3'	Longstring:	512.10'
Surface Cement:	6 sx	Longstring Date:	3/23/2016
Longstring:	4.5" 10.5# RII Used		

Driller's Log

Top	Bottom	Formation	Comments
0	2	Soil	
2	19	Clay	
19	22	Gravel	
22	29	Lime	
29	32	Shale	
32	38	Lime	
38	89	Shale	
89	90	Coal	
90	95	Shale	
95	105	Lime	
105	115	Sand	Grey
115	123	Shale	
123	125	Lime	
125	130	Bl. Shale	
130	138	Sandy Shale	
138	166	Shale	
166	187	Lime	20'
187	194	Shale	
194	196	Lime	5'
196	209	Shale	
209	218	Sand	Broken, faint odor
218	238	Sandy Shale	
238	248	Sand	Fair odor, slight bleed
248	298	Shale	
298	300	Lime	

Don Breuel #011

Linn Co., KS

300	310	Shale	
310	311	Lime	
311	315	Shale	
315	317	Red Bed	
317	362	Shale	
362	364	Lime	
364	376	Shale	Muddy
376	378	Coal	
378	407	Shale	
407	409	Coal	
409	452	Sandy Shale	
452	456	Shale	Muddy
456	476	Sand	
476	478	Coal	
478	522	Shale	
522		TD	



TICKET NUMBER 50022
 LOCATION Ottawa, KS
 FOREMAN Casey Kennedy

PO Box 884, Chanute, KS 66720
 320-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
 CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
3/23/16	9999	Greg Brew # 0-11	NW 10	22	23	LN

CUSTOMER	TRUCK #	DRIVER	TRUCK #	DRIVER
Wildcat Exploration Mailing Address 15093 Co Rd 1077 Centerville KS 66014	729	Casey Ken	✓ Safety Meeting	
	467	Kei Car	✓	
	503	Art McD	✓	

JOB TYPE longstring HOLE SIZE 6 3/4" HOLE DEPTH 520' CASING SIZE & WEIGHT 4 1/2"
 CASING DEPTH 511 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT 8.15 bbls DISPLACEMENT PSI _____ MIX PSI _____ RATE 4 bpm

REMARKS: held safety meeting, established circulation, mixed & pumped 100 # gel followed by 5 bbls fresh water, mixed & pumped 80 sks Pozblend IA cement w/ 2% gel + 1/4 # Floreal per sk, flushed pump clean, pumped 4 1/2" rubber plug to casing TD w/ 8.15 bbls fresh water, pressured to 800 PSI, released pressure, shut in casing.

McGowan Drilling
 Rig supplied H₂O

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ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0450	1	PUMP CHARGE	1500.00	
CE0002	30 mi	MILEAGE	214.50	
CE0711	min	turn mileage	660.00	
		trucks	2374.50	
		- 55%	1305.98	
		subtotal		1068.52
CC5840	80 sks	Pozblend IA cement	1080.00	
CC5965	234 #	Gel	70.20	
CC6075	20 #	Floreal	40.00	
CP8178	1	4 1/2" rubber plug	25.00	
		materials	1265.20	
		- 55%	695.80	
		subtotal		569.34
		Paid check # 1089		
		\$ 1674.87		
		<i>Handwritten signature</i>		
		6.5%	SALES TAX	37.09
			ESTIMATED TOTAL	1674.87
				(3721.94)

RAVIN 3737
 AUTHORIZATION Greg & Brew 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 for