
McGOWN

DRILLING, INC.

Wildcat Exploration, LLC
Mound City, KS

Don Breuel #M13

Linn County, KS
10-22S-23E
API: 107-25177

Spud Date:	12/21/2016	Surface Bit:	11.0"
Surface Casing:	8.625"	Drill Bit:	6.75"
Surface Length:	21.7'	Longstring:	503.2'
Surface Cement:	6 sx	Longstring Date:	12/22/2016
Longstring:	4.5" 9.5# RIII Used		

Driller's Log

Top	Bottom	Formation	Comments
0	2	Soil	
2	11	Clay	
11	13	Gravel	
13	32	Lime	
32	86	Shale	
86	88	Coal	
88	91	Shale	
91	105	Lime	
105	107	Shale	
107	109	Lime	
109	121	Sandy Shale	
121	125	Lime	
125	130	Shale	
130	164	Sand	Grey
164	188	Lime	
188	192	Shale	
192	196	Lime	
196	208	Shale	
208	214	Sand	Fair odor
214	236	Sandy Shale	
236	245	Sand	Fair odor, some bleed in top
245	256	Sandy Shale	
256	277	Shale	

Don Breuel #M13

Linn Co., KS

277	278	Lime	
278	297	Shale	
297	299	Coal	
299	360	Shale	
360	363	Lime	
363	406	Shale	
406	441	Sandy Shale	
441	453	Shale	
453	454	Coal	
454	460	Shale	Muddy
460	476	Sand	
476	478	Coal	
478	512	Shale	
512		TD	

Coring

Run	Footage	Rec.
1	462-482	19'
2		

Bartlesville Sand Detail

- 462-465 Sand, porous, grey, gassy, light to fair oil saturation
- 465-470.5 Sand, dark brown, good porosity, good heavy oil saturation
- 470.5-476 Sand, poor oil show, likely wet



CONSOLIDATED
Oil Well Services, LLC

TICKET NUMBER 50362
LOCATION Ottawa KS
FOREMAN Fred Maden

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
12-22-16	9999	Don Brevel # 17 13	NE 10	22	23	LN
CUSTOMER			TRUCK # DRIVER TRUCK # DRIVER			
Wildcat Exploration			712 Fro Mad			
MAILING ADDRESS			495 Har Bes			
P.O. Box 206 Main St.			503 Kwi Det			
CITY			735/T221 Geo Tay			
Mound City		STATE	ZIP CODE			
		KS	66056			

JOB TYPE Longstring HOLE SIZE 6 3/4 HOLE DEPTH 520 CASING SIZE & WEIGHT 4 1/2"
CASING DEPTH 503 DRILL PIPE _____ TUBING _____ OTHER _____
SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 1 1/2" Plug
DISPLACEMENT 8 BBL DISPLACEMENT PSI _____ MIX PSI _____ RATE 4 BPM

REMARKS: No Id Safety meeting. Establish Circulation. Mix + Pump 100# Gel Flush. Pump 4 BBL Treatable dye. Mix + Pump 69 sks Poz Blend IA Cement 270 Gal 1/2" Cellulose/Sl. Flush pump + lines clean. Displace 4 1/2" Rubber plug to casing TD. Pressure to 500* PSI. Release pressure to set float valve. Shut in casing.

McGowan Drilling Fred Maden

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0450	1	PUMP CHARGE	495	1500 ⁰⁰
CE0002	-	MILEAGE	N/C	
CE0711	<u>2/3 Minimum</u>	<u>Ton Miles Delivery</u>	<u>503</u>	<u>440⁰⁰</u>
<u>W.S. 2402</u>	<u>1/2 hr</u>	<u>Transport</u>	<u>735/T221</u>	<u>60⁰⁰</u>
		<u>Sub Total</u>	<u>2000⁰⁰</u>	
		<u>Less 55%</u>		<u>900⁰⁰</u>
CC5840	<u>69 sks</u>	<u>Poz Blend IA Cement</u>		<u>931⁵⁰</u>
CC5965	<u>215[#]</u>	<u>Bentonite Gel.</u>		<u>648⁰⁰</u>
CC6025	<u>17[#]</u>	<u>Cellulose</u>		<u>34⁰⁰</u>
CP8178	<u>1</u>	<u>4 1/2" Rubber Plug</u>		<u>25⁰⁰</u>
			<u>1105³⁰</u>	
		<u>Less 55%</u>		<u>497³⁹</u>
			<u>6.5%</u>	<u>SALES TAX</u>
				<u>ESTIMATED TOTAL</u>
				<u>1429²⁵</u>

Ravin 3737
AUTHORIZATION Greg L. Brevel TITLE _____ DATE (3177, 14)

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.