
McGOWN

DRILLING, INC.

Wildcat Exploration, LLC
Mound City, KS

Don Breuel #O13

Linn County, KS
 10-22S-23E
 API: 107-25178

Spud Date:	12/13/2016	Surface Bit:	11.0"
Surface Casing:	8.625"	Drill Bit:	6.75"
Surface Length:	22.8'	Longstring:	500.05'
Surface Cement:	6 sx	Longstring Date:	12/20/2016
Longstring:	4.5" 10.5# RII Used		

Driller's Log

Top	Bottom	Formation	Comments
0	2	Soil	
2	12	Clay	
12	14	Gravel	
14	20	Shale	
20	30	Lime	
30	85	Shale	
85	87	Coal	
87	89	Shale	
89	108	Lime	
108	118	Shale	
118	121	Lime	
121	125	Shale	
125	133	Sandy Shale	
133	160	Shale	
160	178	Lime	
178	188	Shale	
188	190	Lime	
190	233	Shale	
233	239	Sand	Light bleed, good odor
239	294	Shale	
294	296	Coal	
296	305	Sandy Shale	
305	355	Shale	

Don Breuel #O13

Linn Co., KS

355	357	Lime	
357	358	Coal	
358	400	Shale	
400	402	Coal	
402	415	Shale	
415	430	Sandy Shale	
430	443	Shale	
443	454	Shale	Muddy
454	473	Sand	See below
473	474	Coal	
474	522	Shale	
522		TD	

Coring

Run	Footage	Rec.
1	455-475	20'
2		

Bartlesville Sand Detail

455-457	Sand, gas, no oil
457-468	Sand, brown, good porosity, good show of heavy oil
468-470	Sand, weaker oil show
470-473	Sand, poor oil show, wet
473-474	Coal



CONSOLIDATED
Oil Well Services, LLC

TICKET NUMBER 50361
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 Brouel # 0-13	NE 10	22	23	LN
CUSTOMER <u>W. Idcat Exploration</u>			TRUCK #			
MAILING ADDRESS <u>Tax Specialist Box 206 Main St.</u>			DRIVER			
CITY <u>Mound City</u>			TRUCK #			
STATE <u>KS</u>			DRIVER			
ZIP CODE <u>66052</u>			TRUCK #			
			DRIVER			

JOB TYPE Long string HOLE SIZE 6 3/4 HOLE DEPTH 522 CASING SIZE & WEIGHT 4 1/2
CASING DEPTH 500 DRILL PIPE _____ TUBING _____ OTHER _____
SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 4 1/2" Plug
DISPLACEMENT 400L DISPLACEMENT PSI _____ MIX PSI _____ RATE 40 RPM

REMARKS: Hold safety meeting. Establish circulation. Mix + Pump 100# Gel Flush. Pump 4 BBL Teletale dye. Mix + Pump 74 SKS Por Blend IA Cement 270 gal 4" Cello Flake/sk. Flush pump + line clean Displace 4 1/2" Rubber plug to casing TD. Pressure to 500# PSI. Release pressure to set float valve. Shut in casing.

McGown Drilling.

Fred Maden

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0450	1	PUMP CHARGE	1500 ⁰⁰	
CE0002	—	MILEAGE	N/C	
CE0711	2/3 Minimum	Ton Miles Delivery	440 ⁰⁰	
W52402	1/2 hrs	Transport	60 ⁰⁰	
		Sub Total	2000 ⁰⁰	
		Less 55%		900 ⁰⁰
CC5840	69 SKS	Por Blend IA Cement	931 ⁵⁰	
CC5965	216#	Bauxite Gel	648 ⁰⁰	
CC6075	17#	Cello Flake	34 ⁰⁰	
CP 8178	1	4 1/2" Rubber Plug	75 ⁰⁰	
		Sub Total	1105 ²⁰	
		Less 55%		497 ³⁸
		6.5%	SALES TAX	32 ³⁷
			ESTIMATED TOTAL	1429 ⁷⁵

RAVEN 3737
AUTHORIZATION Guy + Brunel TITLE _____ DATE (317) 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.