

1353693

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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CONSOLIDATED
Oil Well Services, LLC

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

FIELD TICKET & TREATMENT REPORT
CEMENT

8027
1924

TICKET NUMBER 50180
LOCATION Ottawa
FOREMAN Alan Mader

Invoice # 810118

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
4-19-17	7381	ABC SB-6	SE 22	17	22	Mi
CUSTOMER SB Operating			TRUCK # DRIVER TRUCK # DRIVER			
MAILING ADDRESS 9393 W 110th Ste 500			730	Alan Mader	Safety	Meet
CITY STATE ZIP CODE Overland Park KS 66210			495	Harbe		
			675	Kei Det		
			804	Mik Hag		

JOB TYPE long string HOLE SIZE 6 1/4 HOLE DEPTH 402 CASING SIZE & WEIGHT 2 7/8
 CASING DEPTH 3846 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING yes
 DISPLACEMENT 2.24 DISPLACEMENT PSI 800 MIX PSI 200 RATE 4 bpm

REMARKS: Held meeting. Established rate. Mixed & pumped 100# gel followed by 39 sk Poz Blend I-A plus 2 1/2# gel and 1/2# Phenoseal per Sgds. Circulated cement. Flushed pump. Pumped plug to casing TD. Well held 800 PST. Set float.

McGowan Drilling

Alan Mader

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0450	1	PUMP CHARGE	495	1500.00
CE0003	25	MILEAGE	495	17875
CE0011	1/3 min	ton miles	804	220.00
WE0853	1	80vac	675	100.00
		10 Sub		1998.75
		less 58%		1159.28
				839.47
CL5840	59	Poz Blend I-A	796.50	47000.00
CL5965	199 #	gel	59.70	11780.30
CL6079	30 #	Phenoseal	40.50	1215.00
CP8176	1	2 1/2 plug	45.00	45.00
		Sub		941.70
		less 58%		546.19
				395.51
			8%	SALES TAX
				ESTIMATED TOTAL

Ravin 3737

AUTHORIZATION [Signature] TITLE _____ DATE 3013.11

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



Operator:
 S&B Operating, LLC
 Overland Park, KS

ABC #SB-6

Miami Co., KS
 22-17S-22E
 API: 121-31339

Spud Date: 4/13/2017
Surface Casing: 7.0"
Surface Length: 22.5'
Surface Cement: 4 sx
Longstring: 2 7/8 EUE

Surface Bit: 9.875"
Drill Bit: 5.875"
Longstring: 383.85'
Longstring Date: 4/14/2017

Driller's Log

Top	Bottom	Formation	Comments
0	2	Soil	
2	10	Clay	
10	24	Lime	
24	43	Shale	
43	49	Lime	
49	90	Shale	
90	105	Lime	
105	114	Shale	
114	127	Lime	
127	129	Shale	
129	137	Lime	
137	147	Shale	
147	169	Lime	
169	176	Shale	Limey
176	179	Lime	
179	186	Shale	
186	189	Lime	
189	324	Shale	
324	325	Coal	
325	328	Shale	
328	351.5	Sand	328-332 Broken sand, good odor, light bleed
351.5	353	Shale	332-340.5 Broken, more sand, good odor & bleed
353	366	Lime	340.5-341.5 Limey sand, white, no show
366	402	Shale	341.5-343.5 Sand, good bleed
402		TD	343.5-345.5 Limey sand, white, no show
			345.5-348.5 Broken sand, fair bleed
			348.5-351.5 Mostly sand, good bleed
Run	Depth	Rec.	
1	340-360	12'	

Core