Confidentiality Requested:
☐ Yes ☑ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1325854

Form ACO-1
August 2013
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 34683
Name: Wildcat Exploration LLC
Address 1: 8221 W. 1000 RD.
Address 2:
City: MOUND CITY State: KS Zip: 66056 + __ __ __ __
Contact Person: Chris McGown
Phone: (913) 259-0499
CONTRACTOR: License # 5786
Name: McGown Drilling, Inc.
Wellsite Geologist: NA
Purchaser:

Designate Type of Completion:

☑ New Well ☐ Re-Entry ☐ Workover

☑ Oil ☐ WSW ☐ SWD ☐ SIOW
☐ Gas ☐ D&A ☐ ENHR ☐ SIGW
☐ OG ☐ GSW ☐ Temp. Abd.
☐ CM *(Coal Bed Methane)*
☐ Cathodic ☐ Other *(Core, Expl., etc.)*:

If Workover/Re-entry: Old Well Info as follows:

Operator:
Well Name:
Original Comp. Date: Original Total Depth:

☐ Deepening ☐ Re-perf. ☐ Conv. to ENHR ☐ Conv. to SWD
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ ENHR Permit #:
☐ GSW Permit #:

12/21/2016	12/22/2016	12/22/2016
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-107-25177-00-00
Spot Description:
NW SE SE NW Sec. 10 Twp. 22 S. R. 23 ☑ East ☐ West
2145 Feet from ☑ North / ☐ South Line of Section
2145 Feet from ☐ East / ☑ West Line of Section

Footages Calculated from Nearest Outside Section Corner:
☐ NE ☑ NW ☐ SE ☐ SW

GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Linn
Lease Name: DON BREUEL Well #: M13
Field Name:
Producing Formation: Bartlesville
Elevation: Ground: 838 Kelly Bushing: 0
Total Vertical Depth: 512 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 22 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from:
feet depth to: w/ sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: 0 ppm Fluid volume: 10 bbls
Dewatering method used: Evaporated

Location of fluid disposal if hauled offsite:

Operator Name:
Lease Name: License #:
Quarter Sec. Twp. S. R. ☐ East ☐ West
County: Permit #:

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

☐ **Confidentiality Requested**
Date:
☐ **Confidential Release Date:**
☑ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☐ I ☑ II ☐ III **Approved by:** Karen Ritter **Date:** 02/08/2017

[redacted]

1325854

Operator Name: Wildcat Exploration LLC Lease Name: DON BREUEL Well #: M13

Sec. 10 Twp. 22 S. R. 23 ☑ East ☐ West County: Linn

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 ☐ Yes ☑ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☑ No

Cores Taken ☑ Yes ☐ No

Electric Log Run ☑ Yes ☐ No

List All E. Logs Run:

GammaRay/Neutron/CCL

☐ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
GammaRay	20	GL

CASING RECORD ☑ New ☐ 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
Surface	11	8.625	24	22	Portland	6	50/50 POZ
Production	6.750	4.500	10	503	Portland	69	50/50 POZ

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate ___ Protect Casing ___ Plug Back TD ___ 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 *(Amount and Kind of Material Used)*	Depth
3	465-469	DP 19 Gr T ECG	4

TUBING RECORD: Size: Set At: Packer At: Liner Run: ☐ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR. 12/23/2016

Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)* _____

PRODUCTION INTERVAL:
_____
_____

Form	ACO1 - Well Completion
Operator	Wildcat Exploration LLC
Well Name	DON BREUEL M13
Doc ID	1325854

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	11	8.625	24	22	Portland	6	50/50 POZ
Production	6.750	4.500	10	503	Portland	69	50/50 POZ

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	

913.795.2259 office
620.224.7406 Chris' cell
mcgowndrilling@gmail.com
PO Box K
Mound City, 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

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

TICKET NUMBER 50362
LOCATION Ottawa KS
FOREMAN Fred Mader

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
12-22-16	9999	Don Brevel # M 18	NE 10	22	23	LN

CUSTOMER: Wild cat Exploration
MAILING ADDRESS: P. O. Box 206 Main St.
CITY: Mound City | STATE: Ks | ZIP CODE: 66056

TRUCK #	DRIVER	TRUCK #	DRIVER
712	Fred M.		
495	Harbert		
503	Kevin D.		
735/T221	Coco Tay		

JOB TYPE Long string | HOLE SIZE 6 3/4 | HOLE DEPTH 520 | CASING SIZE & WEIGHT 4½"
CASING DEPTH 503 | DRILL PIPE | TUBING | OTHER
SLURRY WEIGHT | SLURRY VOL | WATER gal/sk | CEMENT LEFT in CASING 4½" Plug
DISPLACEMENT 8 BBL | DISPLACEMENT PSI | MIX PSI | RATE 4 BPM

REMARKS: Held Safety meeting. Establish Circulation. Mix & Pump 100# Gel Flush, Pump 4 BBL Tracer dye. Mix & Pump 69 sks Por Blend I A Cement 2% Gel ¼# Cello Flake/sk. Flush pump & lines clean. Displace 4½" Rubber plug to Casing TD. Pressure to 500# PSI. Release pressure to Set Float Valve. Shut in Casing.

McGown Drilling. Fred Mader

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT		UNIT PRICE	TOTAL
CE0450	1	PUMP CHARGE	495	1500.00	
CE0002	—	MILEAGE		N/C	
CE0711	7/B Minimum	Ton Miles Delivery	503	440.00	
WB 2402	½ hr	Transport	735/T221	60.00	
		Sub Total		2000.00	
		Less 55%			900.00
CC5840	69 sks	Por Blend I A Cement		931.50	
CC5965	214#	Bentonite Gel.		64.80	
CC6025	17#	Cello Flake		34.00	
CP8178	1	4½" Rubber Plug		25.00	
				1105.30	
		Less 55%			497.38
		6.5%		SALES TAX	32.33
				ESTIMATED TOTAL	1429.25

Ravin 3737

AUTHORIZTION Jay L Brevel TITLE DATE (3/27/17)

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.