KOLAR Document ID: 1413151

Confidentiality Requested:
☐ Yes ☑ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
January 2018
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 35116
Name: SM Oil & Gas, Inc.
Address 1: PO BOX 189
Address 2:
City: SKIATOOK State: OK Zip: 74070 + 0189
Contact Person: Stan Miller, Sr.
Phone: (918) 629-2151
CONTRACTOR: License # 35116
Name: SM Oil & Gas, Inc.
Wellsite Geologist: None
Purchaser: CVR

Designate Type of Completion:
☑ New Well ☐ Re-Entry ☐ Workover
☐ Oil ☐ WSW ☑ SWD
☐ Gas ☐ DH ☐ EOR
☐ OG ☐ GSW
☐ 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 EOR ☐ Conv. to SWD
☐ Plug Back ☐ Liner ☐ Conv. to GSW ☐ Conv. to Producer

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

5/10/2018 Spud Date or Recompletion Date
5/15/2018 Date Reached TD
5/17/2018 Completion Date or Recompletion Date

API No.: 15-019-27627-00-00
Spot Description:
SW - SW - SW - SE Sec. 20 Twp. 33 S. R. 10 ☑ East ☐ West
165 Feet from ☐ North / ☑ South Line of Section
2450 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: Chautauqua
Lease Name: KEITH Well #: 99
Field Name: Leniton
Producing Formation: Wayside Sandstone
Elevation: Ground: 1047 Kelly Bushing: 1052
Total Vertical Depth: 849 Plug Back Total Depth: 849
Amount of Surface Pipe Set and Cemented at: 48 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from: 661
feet depth to: 0 w/ 125 sx cmt.

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

Chloride content: 0 ppm Fluid volume: 0 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: SM Oil & Gas, Inc.
Lease Name: Fulsom A License #: 35116
Quarter SW Sec. 9 Twp. 33 S. R. 10 ☑ East ☐ West
County: Chautauqua Permit #: D-32365

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** ☐ **Drill Stem Tests Received**
☑ **Geologist Report / Mud Logs Received**
☑ **UIC Distribution**
ALT ☐ **I** ☑ **II** ☐ **III** **Approved by:** Karen Ritter **Date:** 06/21/2018

Operator Name: SM Oil & Gas, Inc. Lease Name: KEITH Well #: 99

Sec. 20 Twp. 33 S. R. 10 ☑ East ☐ West County: Chautauqua

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 *(Attach Additional Sheets)*	☐ Yes	☑ No
Samples Sent to Geological Survey	☐ Yes	☑ No
Cores Taken	☐ Yes	☑ No
Electric Log Run	☐ Yes	☑ No
Geologist Report / Mud Logs	☑ Yes	☐ No
List All E. Logs Run:		

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

Name	Top	Datum
Layton Sandstone	661	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	12.50	8.625	20	48	Portland	10	0
Production	7.875	5.50	10.50	661	OWC	125	6% GEL

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	-			
	-			

1. Did you perform a hydraulic fracturing treatment on this well? ☐ Yes ☑ No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/ Injection:	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:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:	
		Top	Bottom
☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*	☑ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*	661	849

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record *(Amount and Kind of Material Used)*

TUBING RECORD:	Size:	Set At:	Packer At:
	2.875	623	623

Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	SM Oil & Gas, Inc.
Well Name	KEITH 99
Doc ID	1413151

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	12.50	8.625	20	48	Portland	10	0
Production	7.875	5.50	10.50	661	OWC	125	6% GEL

Ackarman Hardware & Lumber
Ackarman Inc
160 East Main St
Sedan, KS 67361
620-725-3103
Fax: 620-725-5688

CUSTOMER COPY

INVOICE

1805-120130 PAGE 1 OF 1

SOLD TO	JOB ADDRESS
STAN MILLER SM OIL & GAS P. O. BOX 189 SKIATOOK OK 74070	STAN MILLER SM OIL & GAS P. O. BOX 189 SKIATOOK OK 74070 918-396-3020

ACCOUNT	JOB
00680	0
SOLD ON	5/18/2018 9:41:57 AM
CUST PICKUP	
BRANCH	1000
CUSTOMER PO#	
STATION	A2
CASHIER	DK
SALESPERSON	CM
ORDER ENTRY	

Quantity	UM	Item	Description	D	T	Price	Per	Amount
10	EACH	MP10092	PORTLAND CEMENT 92.6#		Y	15.7500	EACH	157.50

Payment Method(s) **Buyer:** TOM OAST

Charge to Acct 173.25

KS 10.00%	SubTotal	157.50
	Sales Tax	15.75
	Deposit	
Please Pay This Amount		173.25

KEVIN + 9.9

TOM OAST

Signature TOM OAST

810 E 7TH
PO Box 92
EUREKA, KS 67045
(620) 583-5561

ELITE CEMENTING & ACID SERVICE, LLC

Cement or Acid Field Report
Ticket No. **3924**
Foreman Kevin McCoy
Camp Eureka

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
5-22-18	1180	Keith #99				Co	Ks

Customer: S.M. Oil & Gas, Inc.
Mailing Address: P.O. Box 169
City: Skiatook | State: OK | Zip Code: 74070
Safety Meeting: KM DG JH

Unit #	Driver	Unit #	Driver
105	Dave G.		
114	Jason H.		

Job Type Longstring | Hole Depth 665' | Slurry Vol. 34 BbL | Tubing
Casing Depth 661' | Hole Size 7 7/8" | Slurry Wt. 14.# | Drill Pipe
Casing Size & Wt. 5 1/2 | Cement Left in Casing 0' | Water Gal/SK | Other
Displacement 15.5 BbL | Displacement PSI 500 | Bump Plug to 1000 PSI | BPM

Remarks: Safety Meeting: Rig up to 5 1/2 Casing. Break Circulation w/ 20 BbL Fresh water. Pump 300# Gel Flush w/ Hulls, 5 BbL water Spacer. Mixed 125 sks OWC Cement w/ 2# PhenoSeal /sk @ 14.0#/gal, yield 1.52 = 34 BbL Slurry. Wash out Pump & Lines. Shut down. Release Plug. Displace Plug to Seat w/ 15.5 BbL Fresh water. Final Pumping Pressure 500 psi. Bump Plug to 1000 psi. Wait 2 mins. Release Pressure, Float Held. Shut in @ 0 psi. Good Cement Returns to Surface = 7 BbL Slurry to Pit. Job Complete. Rig down.

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C 102	1	Pump Charge	1050.00	1050.00
C 107	30	Mileage	3.95	118.50
C 202	125 sks	OWC Cement	19.15	2393.75
C 208	250 #	PhenoSeal 2#/sk	1.25 #	312.50
C 206	300 #	Gel Flush	.20 #	60.00
C 214	40 #	Hulls	.45	18.00
C108 A	6.5 Tons	Ton Mileage	M/C	345.00
C 113	3 Hrs	80 BbL Vac Truck C & E Oil	85.00	255.00
C 224	3300 gals	City water	10.00 /1000	33.00
C 404	1	5 1/2 Top Rubber Plug	70.00	70.00
			Sub Total	4655.75
		THANK You	Less 5%	245.06
		8.5%	Sales Tax	245.42
			Total	4656.11

Authorization witnessed By Toby Title

I agree to the payment terms and conditions of services provided on the back of this job ticket. Any amendments to payment terms must be in writing on the front of this job ticket or in the Customer's records at ELITE's office.

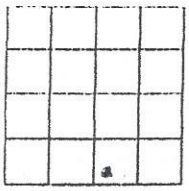
Elev 1047

Please save samples at even
5-Foot intervals
Bit size

Lease Keith Well # 99

Operator Smail Wasting Inc

Show location of well in section plat below



Sec. 20 Twp. 33S Rge 10E

County Chautauqua

Total Depth 849

Size of hole at bottom 4 3/4"

1 MILE

MILEAGE AND DIRECTION FROM NEAREST TOWN OR HIGHWAY

WELL DRILLERS RECORD BOOK

Driller Lowell Atchison

Drilling Contractor Small Gas Inc

Date well started 5-18-18 completed _____

Casing Furnished by _____

Casing: Amount 48' Size 8 5/8

Miss From _____ To _____

Cement Furnished by SM Sacks 10

Sample Bags _____

Dozer Hours _____

Rig Time Hrs. _____

Core From _____ To _____

Core From _____ To _____

5-18-18 **REMARKS**

GAS TEST

8 - 9 Rig TO Drill

9 - 11 Drill 48 - hole

11 - 1 Run casing + cement

5 - 21 - 18

11 - 2 Drill from 48 - 350

2 - 3.5 change grease top head Drill from 350 - 501

5 - 22 - 18

8 - 9

9 - 10 Drill From 501 - 665

10 - 10.5 Trip out + Load trucks

DEPTH IN FEET FROM	TO	KIND OF ROCK	REMARKS
0	1	Topsoil	
1	8	clay	
8	14	silty Shale	
14	16	mixed Limey Shale	
16	21	Lime	
21	22	mixed Limey Shale	
22	26	blk Shale	
26	34	mixed Lime & Shale	
34	38	sdy shale	
38	41	Limy Sand	ash stks
41	50	Limy Sand	
50	60	mg Shale	
60	64	mixed Lime & Shale	
64	66	Lime	

DEPTH IN FEET FROM	TO	KIND OF ROCK	REMARKS
66	68	Blk Shale	
68	85	Lime	w/sh stks
85	89	Blk Shale	
89	91	Lime	
91	97	mg Shale	
97	111	Red Shale	
111	116	Limey	
116	120	mixed Limey Shale	
120	123	Red-brn Shale	
123	134	mg Shale	
134	140	mixed Limey Shale	
140	144	mg Shale	
144	150	Lime	w/sh stks
150	161	Lime	

DEPTH IN FEET FROM	TO	KIND OF ROCK	REMARKS
161	169	Blk Shale	
169	177	G Sdy Shale	
177	181	G Shaley	w/ Lm STKS Sand
181	189	Sdy Shale	w/ Lm STKS
189	194	MG Shale	w/ Lm STKS
194	206	Red Shale	w/ Lm STKS
206	214	G Sand	w/ Sh STKS
214	238	Tan Gray Sand	
Fresh Water		Slight Amount 214 - 238	
238	238	Lmy Sand	
238	248	Tan Sand	
Increase Water		Fresh Tail Amount 238-248	
248	254	Mixed Sand & Lime	w/ Sh STKS
254	260	Laminated Sand & Shale	

DEPTH IN FEET FROM	TO	KIND OF ROCK	REMARKS
260	305	MG Shale	w/ Lm STKS
305	310	Mixed Lime & Shale	
310	348	Lime	
348	351	Blk Shale	
351	353	Lime	
353	354	Blk Shale	
354	355	Lime	
355	365	MG Shale	w/ Lm STKS
365	388	Red Shale	
388	390	G Sand	w/ Sh STKS
390	401	Laminated Sand & Shale	
401	411	MG Shale	
411	416	MG Shale &	Mixed Lime
416	424	G Shale	w/ Lm STKS

DEPTH IN FEET FROM	TO	KIND OF ROCK	REMARKS
424	428	Red Shale	
428	446	G Sand	w/sh STKS
446	458	G Sand	
Slight Increase water 446-458			Salty
458	465	G Sand	w/sh STKS
465	473	mg Shale w/ laminations of Sand	
473	483	mg Shale	
483	487	G Sdy Shale	
487	489	Red Shale	
489	494	G Sand	w/sh STKS
494	495	G Sdy Shale	
495	515	TD Sand	
515	518	Lmy Sand	
518	532	mg Shale	w/snd STKS
Slight Increase water 498-515			

DEPTH IN FEET FROM	TO	KIND OF ROCK	REMARKS
532	546	Top Sand	
Increase Water		532 – 546	
546	552	G Sdy Shale	
552	559	mg Shale	w/snd STKS
559	566	G Sand	w/sh STKS
566	572	G Sdy Shale	
572	647	mg Shale	
647	651	mixed Shale & Lime	
651	654	Lime	
654	mg	G Shale	w/Lmy STKS
	TD	665	

– 5½" casing set @ 661'
cemented with 125 sacks

– Open Hole Drilled/completed
From 661 – 849'

TD 849'