

Confidentiality Requested:

☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1372834

Form ACO-1

November 2016

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

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 #: _____

Spud Date or
Recompletion Date

Date Reached TD

Completion Date or
Recompletion Date

API No.: _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ ☐ East ☐ West

_____ Feet from ☐ North / ☐ South Line of Section

_____ Feet from ☐ East / ☐ West Line of Section

Footages Calculated from Nearest Outside Section Corner:

☐ NE ☐ NW ☐ SE ☐ SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ 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: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

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 ☐ Drill Stem Tests Received

☐ Geologist Report / Mud Logs Received

☐ UIC Distribution

ALT ☐ I ☐ II ☐ III Approved by: _____ Date: _____

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

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 <i>(Attach Additional Sheets)</i>	☐ Yes	☐ No	☐ Log	Formation (Top), Depth and Datum	☐ Sample
Samples Sent to Geological Survey	☐ Yes	☐ No	Name	Top	Datum
Cores Taken	☐ Yes	☐ No			
Electric Log Run	☐ Yes	☐ No			
Geologist Report / Mud Logs	☐ Yes	☐ No			
List All E. Logs Run:					

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

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: ☐ Vented ☐ Sold ☐ Used on Lease (If vented, Submit ACO-18.)	METHOD OF COMPLETION: ☐ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled (Submit ACO-5) (Submit ACO-5) (Submit ACO-4)	PRODUCTION INTERVAL:	
		Top	Bottom

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:		

Form	ACO1 - Well Completion
Operator	Hughes Drilling Co, a General Partnership
Well Name	SOUTH MCMILLEN 13
Doc ID	1372834

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	9	6.250	8	34	Common	10	50/50 POZ
Production	5.625	2.875	10	754	Common	102	50/50 POZ

HUGHES DRILLING REPORT

Well No. 13
 Farm S. McMillen
 SURFACE CASING
 Size 6 1/4
 Feet 34'
 Circulated 10 sx cement

PERMANENT CSG
 Size 2 7/8 8'1' ETC. (used)
 Feet 754.45 of pipe
 Float shoe on Bottom

OPERATOR Hughes Drilling
#5682

T. D. at Completion T12
 Contractor HUGHES DRILLING CO.

Fr. Co., Kansas
4280 FSL 1720 FEL
 API # 15-059-27151

DATE	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
	FROM	TO		
6/6/17	0	2	soil	(1) 21.5-21.5
34'	2	32	clay	(2) 22.5-44.0
6-7-17	32	48	shale	(3) 22.5-66.5
5 3/8" BBL	48	49	lime	(4) 22.5-89.0
	49	58	shale	(5) 22.5-111.5
	58	62	lime	(6) 22.5-134.0
	62	71	shale	(7) 22.5-156.5
	71	89	lime	(8) 22.5-179.0
	89	94	shale	(9) 22.5-201.5
	94	104	lime	(10) 22.5-224.0
	104	109	shale	(11) 22.5-246.5
	109	126	lime	(12) 22.5-269.0
	126	136	shale	(13) 22.5-291.5
	136	139	gray sand	(14) 22.5-314.0
	139	160	shale	(15) 22.5-336.5
	160	187	lime	(16) 22.5-359.0
	187	191	shale	(17) 22.5-381.5
	191	198	lime (sdy)	(18) 22.5-404.0
	198	260	shale	(19) 22.5-426.5
	260	286	lime	(20) 22.5-449.0
	286	298	shale	(21) 22.5-471.5
	298	306	lime	(22) 22.5-494.0
	306	332	shale	(23) 22.5-516.5
	332	342	lime	(24) 22.5-539.0
	342	350	shale	(25) 22.5-561.5
	350	352	lime	(26) 22.5-584.0
	352	366	shale	(27) 22.5-606.5

STRATA THICKNESS	FORMATION DRILLED	T.D.
2	soil	2
30	clay	32
16	shale	48
1	lime	49
9	shale	58
6	lime	62
9	shale	71
13	lime	84
10	shale	94
10	lime	104
5	shale	109
17	lime	126
10	shale	136
3	Gr. sand	139
21	shale	160
27	lime	187
4	shale	191
7	lime	198
62	shale	260
26	lime	286
12	shale	298
8	lime	306
26	shale	332
10	lime	342
8	shale	350
2	lime	352
14	shale	366
30'	23 LIME	389
	11 shale	400
20'	22 LIME	422
	4 shale	426
	3 LIME	429
	4 shale	433
Hertley	1 LIME	437
	149 shale	586
	12 LIME	599
	9 shale	608
	9 LIME	617
	13 shale	630
	3 LIME	633
	2 shale	635

HUGHES DRILLING REPORT

Well No. 13
Farm S. McMillen

SURFACE CASING

PERMANENT CSG.

Size _____
Feet _____
Circulated _____ sx cement

Size _____
Feet _____

OPERATOR Hughes Drilling

T. D. at Completion 772
Contractor HUGHES DRILLING CO.

DATE	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
	FROM	TO		
	366	389	Lime (bleeding oil 371-373)	(28) 22.5 - 629.0
	389	400	Shale (slate 389-390)	(29) 22.5 - 651.5
	400	422	Lime	(30) 22.5 - 674.0
	422	426	Shale (slate 422-423)	(31) 22.5 - 696.5
	426	429	Lime	(32) 22.5 - 719.0
	429	433	Shale	(33) 22.5 - 741.5
11/11/11	433	437	Lime	
	437	586	Shale (Broken 443-446)	
	586	599	Lime (Broken)	
	599	608	Shale	
	608	617	Lime	
	617	630	Shale	
	630	633	Lime	
	633	635	Shale (slate 634-635)	
	635	644	Lime	
	644	658	Shale	
	658	662	Lime (Brown)	
	662	670	Shale (slate 662-663)	
	670	676	Lime	
	676	684	Shale	
	684	692	Lime (oil trace 684-688)	
	692	698	Shale	
	698	715	oil sand (#1 squirrel)	
6-8-17	715	742	Shale	
6-9-17	742	743	Lime	
	743	750	Shale	
	750	751	Lime	

FR Co., Kansas (P92)
4280 FSL 1720 FEL

API # _____

STRATA THICKNESS	FORMATION DRILLED	T.D.
4	Lime	644
14	Shale	658
11	Lime	662
8	Shale	670
6	Lime	676
8	Shale	684
8	Lime	692
6	Shale	698
#159 16	oil sand	715
27	Shale	742
1	Lime	743
7	Shale	750
1	Lime	751
2	Shale	752
1	Shale	753
1	Shale	752
#229 1	oil sand	757
25	Shale	772
		T.D.

For Co., Kansas 1993
4280 FSL 1720 FEL
 API # 15-059-27151

PERMANENT CSG.

Size 1000mm x 1000mm x 100mm, 1500mm x 1500mm x 100mm, 2000mm x 2000mm x 100mm

Feet 3.3, 4.9, 6.6

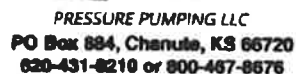
OPERATOR Hughes Drilling
5682

T. D. at Completion 772
Contractor **HUGHES DRILLING CO.**

DATE	DRILLED		REMARKS - TYPE WORK -- BILLING REF.	PIPE TALLY
	FROM	TO		
	751	752	shale	
#2	752	757	Broken sand (remarks pg. 5)	
	757	772	shale	
		TD,		

[illegible]

6-9-17 set 754.45 of used 2³/₈ bad EUE
used 3 centralizers Float shoe on Bottom



TICKET NUMBER 53808

LOCATION Oxiana KS

FOREMAN Fred Meder

Invoice # 810466

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
6-9-17	3425	So. McMillan # 13	N E 11	16	20	FR
CUSTOMER Hughes Drilling Co.						
MAILING ADDRESS 122 Main St.						
CITY Wellsville	STATE KS	ZIP CODE 66092	TRUCK #	DRIVER	TRUCK #	DRIVER
			712	Frye Mcd		
			495	Max Bar		
			804	Kel Car		

JOB TYPE <u>hang string</u>	HOLE SIZE <u>6 7/8</u>	HOLE DEPTH <u>772</u>	CASING SIZE & WEIGHT <u>2 3/8 EUE</u>
CASING DEPTH <u>354</u>	DRILL PIPE	TUBING	OTHER
SLURRY WEIGHT	SLURRY VOL	WATER gal/sk	CEMENT LEFT in CASING <u>25' Plug</u>
DISPLACEMENT <u>2.4662</u>	DISPLACEMENT PSI	MIX PSI	RATE <u>4.6 PM</u>

REMARKS: Hold Safety meeting. Establish circulation. Mix Pump 100 & Gel Flush. Mix Pump 102 SKS For Blend I/A Cement 2% Gel 44" Flo Seal/sk. Cement to Surface. Flush pump & lines clean. Displace 2 1/2" Rubber plug to casing TD. Pressure to 700" PSI. Release pressure to Set float valve. Shut in casing.

Customer Supplied Water

End Mode

[illegible]

Bayón 3737

AUTHORIZATION

TITLE

SALES TAX	55.11
ESTIMATED TOTAL	177.11
DATE	394627

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.

HUGHES DRILLING CO.

Wellsville, Kansas 66092

Pg 4

Roger 913-883-2235
Darrel 913-883-4027

CORE TIME

LEASE South McMillen #13
FORMATION #1 Squinnet
DATE: 6/8/17

Box 913-883-4855
Clay 913-883-4383

(REM PDC)

	FROM	FEET TO	TIME	MINUTES	REMARKS
	698	699	chip sample	—	Sand very lamin. w/shale (Bleed)
					698-699.5
①	699	700	9:31:00 - 9:31:45	:45	Shale 699.5-701.5
②	700	701	9:32:30	:45	
③	701	702	9:33:15	:45	Solid Sand 701.5-702.5 (exc. Bleed)
④	702	703	9:33:45	:30	Sand very lamin. w/shale 702.5-704
⑤	703	704	9:34:30	:45	(Bleeding)
⑥	704	705	9:35:15	:45	
⑦	705	706	9:35:45	:30	
⑧	706	707	9:36:15	:30	Solid Sand 704-709
⑨	707	708	9:36:45	:30	(exc. Bleeding)
⑩	708	709	9:37:15	:30	
⑪	709	710	9:38:00	:45	709-713
⑫	710	711	9:38:30	:30	Sand slightly lamin. w/shale
⑬	711	712	9:39:15	:45	(exc. Bleeding)
⑭	712	713	9:40:00	:45	
⑮	713	714	9:40:30	:30	
⑯	714	715	9:41:00	:30	
⑰	715	716	9:42:00	1:00	
⑱	716	717	9:43:00	1:00	lost core (check E-log)
⑲	717	718	9:44:00	1:00	
20	718	719	9:45:00	1:00	CCH
					(Best Perf Zone)
					701.5-713
					maybe 701.5-715

HUGHES DRILLING CO.

Wellsville, Kansas 66092

Roger 913-883-2235
Darrel 913-883-4027

CORE TIME
LEASE S. McMillen #13
FORMATION #2 Sargis
DATE: 6-8-17

Ron 913-883-4655
Clay 913-883-4383

(RPM PDL)

FROM	FEET TO	TIME	MINUTES	REMARKS
752	753	cut sample		
1 753	754	1:55:00-1:55:45	:45	752-757 sand very lamin. w/shale (some bleeding)
2 754	755	1:56:45	1:00	
3 755	756	1:57:30	:45	
4 756	757	1:58:15	:45	
5 757	758	1:59:00	:45	
6 758	759	2:01:00	2:00	shale
7 759	760	2:02:30	1:30	
8 760	761	2:03:30	1:00	
9 761	762	2:04:15	:45	
10 762	763	2:05:15	1:00	
11 763	764	2:06:15 stop Add Joint	1:00	
12 764	765	2:11:00-2:12:00	1:00	
13 765	766	2:12:45	:45	
14 766	767	2:13:45	1:09	
15 767	768	2:15:15	1:30	
16 768	769	2:16:45	1:30	
17 769	770	2:17:45	1:00	
18 770	771	2:18:45	1:00	
19 771	772	2:19:45	1:00	
20 772	773			
				No Good CCH