



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1224638  
OIL & GAS CONSERVATION DIVISION

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 # \_\_\_\_\_

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       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 #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - \_\_\_\_\_

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
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

1224638

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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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# HUGHES DRILLING REPORT

Well No. #18  
 Farm McMillen  
 SURFACE CASING  
 Size 7"  
 Feet. 2980  
 Circulated 9 sx cement

PERMANENT CSG.  
 Size 2 1/8 8rd EUE (New)  
 Feet. 795.75 of pipe  
 Baffle at 770.0  
 Float shoe on Bottom  
 T. D. at Completion 807

OPERATOR Hughes Drilling

Contractor HUGHES DRILLING CO.

STRATA THICKNESS	FORMATION DRILLED	T.D.
3	Soil	3
22	clay	25
17	shale	42
23	lime	65
6	shale	71
10	lime	81
9	shale	90
17	lime	107
39	shale	146
31	lime	177
62	shale	239
23	lime	262
19	shale	281
5	lime	286
28	shale	314
11	lime	325
6	shale	331
1	lime	332
16	shale	348
30'	24 lime	372
	8 shale	380
20'	23 lime	403
	5 shale	408
	3 lime	411
	3 shale	414
"Hertwa"	6 lime	420
	11 shale	531
	4 Gray sand	535
	32 shale	567
	3 lime	570
	6 shale	576
	3 cr. sand	579
	11 shale	590
	8 lime	598
	10 shale	608
	5 lime	613
	8 shale	621
	6 lime	627
	13 shale	640
	3 lime	643
	6 shale	649

DATE	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
	FROM	TO		
7/16/14	0	3	Soil	(1) 21.5-21.5
29'	3	25	Clay	(2) 22.5-44.0
7/17/14	25	42	shale	(3) 22.5-62.5
5/8	42	65	lime	(4) 22.5-89.0
PDC	65	71	shale	(5) 22.5-111.5
	71	81	lime	(6) 22.5-134.0
	81	90	shale	(7) 22.5-156.5
	90	107	lime	(8) 22.5-179.0
	107	146	shale (sdy 119-130)	(9) 22.5-201.5
	146	177	lime	(10) 22.5-224.0
	177	239	shale	(11) 22.5-246.5
	239	262	lime	(12) 22.5-268.0
	262	281	shale	(13) 22.5-291.5
	281	286	lime	(14) 22.5-314.0
	286	314	shale	(15) 22.5-336.5
	314	325	lime	(16) 22.5-359.0
	325	331	shale	(17) 22.5-381.5
	331	332	lime	(18) 22.5-404.0
	332	348	shale	(19) 22.5-426.5
30'	348	372	lime	(20) 22.5-449.0
	372	380	shale (slate 374-382)	(21) 22.5-471.5
20'	380	403	lime	(22) 22.5-494.0
	403	408	shale (slate 403-404)	(23) 22.5-516.5
	408	411	lime	(24) 22.5-539.0
	411	414	shale	(25) 22.5-561.5
"Hertwa"	414	420	lime	(26) 22.5-584.0
	420	531	shale (BRK 424-428) (sdy 463-479)	(27) 22.5-606.5

(H) 420  
 per 11)  
 W side 156  
 #1 259  
 #2 313

# HUGHES DRILLING REPORT

930 FSL 2016 FEL

API # 15-059-26749

Well No. #18

Farm N. McMillen

SURFACE CASING

Size

Feet

Circulated \_\_\_\_\_ sx cement

PERMANENT CSG.

Size 2 7/8 8rd EUE (New)

Feet 795.75 of pipe  
Baffle at 770.10  
Float shoe on Bottom  
T. D. at Completion 807

Contractor HUGHES DRILLING CO.

OPERATOR Hughes Drilling Co.

STRATA THICKNESS	FORMATION DRILLED	T.D.
10	Lime	639
14	Shale	673
7	Lime	676
3	Shale	679
11	oil sand	690
2	limy	692
4	BRK sand	696
35	Shale	731
2	sdly Lime	733
9	sand	742
54	shale	796
2	lime	798
9	shale	807
		T.D.

DATE	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
	FROM	TO		
	531	535	(gray sand (no show))	(28) 2.5 - 629.0
	535	567	Shale (BRK 543-546)	(28) 2.5 - 651.5
	567	570	Lime (Broken)	(30) 2.5 - 674.0
	570	576	Shale	(31) 2.5 - 676.5
	576	579	Gray sand (some bleeding)	(32) 2.5 - 719.0
	579	590	Shale	(33) 2.5 - 741.5
	590	598	Lime	(34) 2.5 - 764.0
	598	608	Shale	(35) 2.5 - 786.5
	608	613	Lime	
	613	621	Shale	
	621	627	Lime (Broken)	
	627	640	Shale	
	640	643	Lime (Brown)	
	643	649	Shale (slate 643-644)	
	649	659	Lime	
	659	673	Shale	
682	673	676	Lime	
7/18/14	676	679	Shale	
#1 spinning	679	690	Oil sand (core time pg 3)	
	690	692	sdly lime	
	692	696	Broken sand	
	696	731	Shale (limebreak 712) (limebreak 724)	
	731	733	sdly lime	
#2 spinning	733	742	Sand (Remarks pg 4)	
	742	796	Shale (lime break 767)	
	796	798	Lime	
	798	807	Shale	

7-18-14 T.D. Set 795.75 of 2 7/8 8rd EUE (New)  
Baffle at 770.10 Float shoe on Bottom  
Used 3 centralizers

T.D. 682  
K.D. 8 1/2  
Start core 682

18 Jts on trailer

(H) 420  
P. 111  
W-side 156  
H.L. 259  
H.L. 313

# HUGHES DRILLING CO.

PS-3

Wellsville, Kansas 66092

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

CORE TIME

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

LEASE A McMillen #18  
FORMATION #1 Squirrel  
DATE: 7-17-14

(~~20~~) 3" Shave Bit

FROM	FEET TO	TIME	MINUTES	REMARKS
679	680	Chip sample	-	Sand very lamin w/shale (Bleed)
680	681	Chip sample	-	Sand slightly lamin w/shale (Bleed)
681	682	Chip sample	-	
① 682	683	3:19:00 - 3:20:30	:30	Solid sand (Good bleed)
② 683	684	3:20:30	1:00	Sdy shale (Oil trace)
③ 684	685	3:21:00	:30	
④ 685	686	3:21:30	:30	Solid sand (exc bleed)
⑤ 686	687	3:22:00	:30	
⑥ 687	688	3:22:45	:45	687-688.5 (slightly lamin) (Bleed)
⑦ 688	689	3:23:30	:45	688.5-689.5 solid sand (exc bleed)
⑧ 689	690	3:24:15	:45	
⑨ 690	691	3:25:00	:45	Sdy lime (oil trace)
⑩ 691	692	3:26:15	1:15	
⑪ 692	693	3:27:00	:45	Thin wafered sand
⑫ 693	694	3:27:45	:45	Heavy oil (18 gravity)
⑬ 694	695	3:28:45	1:00	Sdy lime
⑭ 695	696	3:29:45	1:00	Thin wafered sand (oil trace)
⑮ 696	697	3:30:45	1:00	Shale
⑯ 697	698	3:31:30	:45	
⑰ 698	699	3:32:30	1:00 stop	Shale
⑱ 699	700			
⑲ 700	701			
⑳ 701	702			

(Best Perf zone)  
680-689.5  
CCH

# HUGHES DRILLING CO.

Wellsville, Kansas 66092

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

Ron 913-883-4656  
Clay 913-883-4383

CORE TIME  
LEASE N. McMillen #18  
FORMATION # Pipe Tally  
DATE: 7/18/14

2 7/8" 8rd EUE  
(New)

FROM	FEET TO	TIME	MINUTES	REMARKS
OUT	27.65	28.20		
OUT	26.65	25.65	BA	
	31.55	29.20		145.50
	28.15	27.70		138.10
	31.50	27.35		145.65
	145.50	138.10		142.15
	32	43		139.35
	28.80	28.85		139.30
	28.65	28.40		850.105
	31.50	28.70		27.65
	28.40	28.50		27.1410
	28.30	27.70		26.65
	145.65	142.15		27.75 - Pipe T.O.
	11	21		25.65 - 3rd EUE
	27.25	29.10		870.10 850.05
	27.45	27.40		27.65
	29.15	27.45		582.210
	28.00	27.95		26.65
	27.50	27.40		797.75
	139.35	139.30		25.65

850.05  
27.65  
582.210  
26.65  
797.75  
25.65  
770.10  
27.65  
27.40  
26.65  
27.75  
27.40



**CONSOLIDATED**  
Oil Well Services, LLC

269763

TICKET NUMBER 47483  
LOCATION Oxtawa 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
7-18-14	3425	N. McMillan # 18	SE 2	16	20	FR

  

CUSTOMER	TRUCK #	DRIVER	TRUCK #	DRIVER
Lucas Drilling Co	712	Fremad		
	495	Nat Bee		
	548	Dan Wka		

  

CITY	STATE	ZIP CODE
Wellsville	KS	66092

JOB TYPE Longshy HOLE SIZE 5 7/8 HOLE DEPTH 806 CASING SIZE & WEIGHT 2 7/8 EVE  
 CASING DEPTH 795' DRILL PIPE Baffle TUBING @ 770' OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 25' Plug  
 DISPLACEMENT 4.48 BB DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 53 PM

REMARKS: Hold crew Safety Meeting. Establish circulation. Mix Pump 100# Gel Flush. Mix & Pump 9/8 sks 50/50 Poz Mix Cement 2% Gel 1/2# Pheno Seal/sk. Cement to Surface. Flush pump lines clean. Displace 2 1/2" Rubber plug to baffle in casing. Pressure to 800# PSI. Release Pressure to set float valve. Shut in Casing.

Customer Supplied H2O Fred Maden

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	495	1085 <sup>00</sup>
5406	15	MILEAGE	495	63 <sup>00</sup>
5402	795'	Casing footage		NIC
5407	Minimum	Ten Miles	548	368 <sup>00</sup>
1124	1085 <sup>62</sup>	50/50 Poz Mix Cement	1242 <sup>00</sup>	
1107A	54 <sup>#</sup>	Pheno Seal	72 <sup>00</sup>	
1118B	282 <sup>#</sup>	Premium Gel	62 <sup>04</sup>	
		Material	1376 <sup>24</sup>	
		Less 30%	-413 <sup>08</sup>	
		Total		963 <sup>05</sup>
4402	1	2 1/2" Rubber Plug		29 <sup>50</sup>
			3030.03	
			7.65%	
			SALES TAX	25 <sup>25</sup> 76.0
			ESTIMATED TOTAL	2585 <sup>36</sup>

Ravin 3737

AUTHORIZATION Clay TITLE \_\_\_\_\_ DATE \_\_\_\_\_

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.