



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1220627
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: _____

1220627

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

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

270413

TICKET NUMBER 48043

LOCATION Ottawa KS

FOREMAN Fred Mader

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
8-14	3425	No McMillan #2.4	SE 2	16	22	FR

CUSTOMER
Hughes Drilling
MAILING ADDRESS
122 N. main St
CITY
Wellsville STATE
KS ZIP CODE
66092

TRUCK #	DRIVER	TRUCK #	DRIVER
512	Fred Mad		
495	Har Bee		
558	Brv Br		

JOB TYPE Long string HOLE SIZE 5 5/8 HOLE DEPTH 815' CASING SIZE & WEIGHT 2 1/2 EUE
CASING DEPTH 803' DRILL PIPE Baffle TUBING @ 774.75' OTHER _____
SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 28' + Plug
DISPLACEMENT 4.5 BBL DISPLACEMENT PSI _____ MIX PSI _____ RATE 4.3 PM

REMARKS: Hold crew Safety Meeting. Establish circulation. Mix + Pump
98 sks 50/50 Poz Mix Cement + 2% Gel 1/4" Flo Seal / sk.
Cement to surface. Flush pump & lines clean. Displace
2 1/2" Rubber plug to Baffle in casing. Pressure to 800* PSI.
Monitor pressure for 30 Min. MIT. Release pressure to
set float valve. Shut in casing.

Customer Supplied Water

Fred Mader

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	495	1085 ⁰⁰
5406	15 mi	MILEAGE	495	63 ⁰⁰
5402	803'	Casing footage		NK
5407	Minimum	Ten Miles	558	368 ⁰⁰
1124	98 sks	50/50 Poz Mix Cement	1127 ⁰⁰	✓
1188	265 [#]	Premium Gel	58 ³⁰	✓
1107	25 [#]	Flo Seal	61 ⁷⁵	✓
		Material	1247 ⁰⁵	✓
		less 30%	-374 ¹¹	✓
		Total		872 ⁹⁴
4462	1	2 1/2 Rubber plug		29 ⁵⁰
			2858 ⁴⁵	
		7.65%	SALES TAX	69.04 ⁰⁰
			ESTIMATED TOTAL	2487.40 ⁰⁰

Ravin 3737

AUTHORIZATION [Signature] 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 fo

HUGHES DRILLING REPORT

Well No. I-4

SURFACE CASING

Size 7"

Farm N. McMiller

Feet 30'

Circulated 13 ex cement

PERMANENT CSG.

Size 2 1/8 8rd 606 (New)

Feet 802.60 of pipe
Baffle at 774.75' float shoe on Bottom

T. D. at Completion 815'

OPERATOR Hughes Drilling

Contractor HUGHES DRILLING CO.

DATE	DRILLED		REMARKS -- TYPE WORK -- BILLING REF.	PIPE TALLY
	FROM	TO		
8/6/14	0	3	Soil	(1) 21.5 - 21.5
30'	3	25	clay	(2) 22.5 - 44.0
8/7/14	25	40	shale	(3) 22.5 - 66.5
5 1/2'	40	63	lime	(4) 22.5 - 89.0
PDC	63	70	shale (slate 63-64)	(5) 22.5 - 111.5
Bit	70	80	lime	(6) 22.5 - 134.0
	80	88	shale	(7) 22.5 - 156.5
	88	105	lime	(8) 22.5 - 179.0
	105	139	shale (sdy 115-127)	(9) 22.5 - 201.5
	139	176	lime	(10) 22.5 - 229.0
	176	190	shale	(11) 22.5 - 246.5
	190	193	lime	(12) 22.5 - 269.0
	193	238	shale	(13) 22.5 - 291.5
	238	260	lime	(14) 22.5 - 314.0
	260	280	shale	(15) 22.5 - 336.5
	280	285	lime	(16) 22.5 - 359.0
	285	313	shale	(17) 22.5 - 381.5
	313	324	lime	(18) 22.5 - 404.0
	324	330	shale	(19) 22.5 - 426.5
	330	331	lime	(20) 22.5 - 449.0
	331	347	shale	(21) 22.5 - 471.5
30'	347	371	lime	(22) 22.5 - 494.0
	371	379	shale (slate 371-372)	(23) 22.5 - 516.5
20'	379	403	lime	(24) 22.5 - 539.0
	403	408	shale (slate 403-404)	(25) 22.5 - 561.5
	408	410	lime	(26) 22.5 - 584.0
	410	413	shale	(27) 22.5 - 606.5

STRATA THICKNESS	FORMATION DRILLED	T.D.	
3	Soil	3	
22	clay	25	
15	shale	40	
23	lime	63	
7	shale	70	
80	lime	80	
8	shale	88	
17	lime	105	
34	shale	139	
27	lime	176	
14	shale	190	
3	lime	193	
45	shale	238	
22	lime	260	
20	shale	280	
5	lime	285	
28	shale	313	
11	lime	324	
6	shale	330	
1	lime	331	
16	shale	347	
30'	24	lime	371
8	shale	379	
20'	24	lime	403
5	shale	408	
2	lime	410	
3	shale	413	
"Hertha"	6	lime	419
144	shale	568	
2	lime	570	
5	shale	575	
"W-side"	6	Gr. sand	584
7	shale	588	
9	lime	597	
10	shale	607	
6	lime	613	
6	shale	619	
3	lime	627	
11	shale	639	
3	lime	642	
8	shale	650	

HUGHES DRILLING REPORT

Well No. I-4 Size.....
 Farm N. Muntlen Feet.....
 Circulated _____ sx cement

PERMANENT CSG.
 Size 2 7/8 Bnd EYE (New)
 Feet 802.60 of pipe
 Bottle at 774.75 float shoe on Bottom

OPERATOR Hughes Drilling

T. D. at Completion 815
 Contractor HUGHES DRILLING CO.

STRATA THICKNESS	FORMATION DRILLED	T.D.
8	LIME	658
3	Shale	671
2	LIME	673
6	Shale	679
1	sdly shale	680
11	sand	691
8	Bl sand	699
35	Shale	734
1	Lime	735
10	Sand	745
	Shale	815
		T.D.

DATE	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
	FROM	TO		
"Hertha"	413	419	Lime	(28) 22.5-629.0
	419	568	Shale (BRKN 422-426) (Sdly 462-482) (BRKN 531-537)	
	568	570	Lime (BRKN)	(29) 22.5-651.5
	570	575	Shale	(30) 22.5-674.0
"W-side"	575	581	Gray sand (Hard 578-579) (Bleeding oil)	
	581	588	Shale	(31) 22.5-696.5
	588	597	Lime	(32) 22.5-719.0
	597	607	Shale	(33) 22.5-741.5
	607	613	Lime	(34) 22.5-764.0
	613	619	Shale	(35) 22.5-786.5
	619	627	Lime (BRKN)	(36) 22.5-809.0
	627	639	Shale	
	639	642	Lime (Brown)	
	642	650	Shale (slate 642-643)	
	650	658	Lime	
	658	671	Shale	
	671	673	Lime (BRKN)	
	673	679	Shale	
	679	680	Sandly shale	
#2 Squ (12)	680	691	Sand (Remarks pg 3)	
	691	699	Black sand (Remarks pg 3)	
	699	734	Shale (Lime Break 725) (Lime Break 734)	
	734	735	Lime	
#2 Squ (12)	735	745	Sand (Remarks pg 4)	
785	745	815	Shale (Lime Break 766)	
8-8-14		T.D.		

8-8-14 set 802.60 of 2 7/8 Bnd EYE (New)
 Bottle at 774.75 float shoe on Bottom
 Used 3 centralizers

T.D.
 14

753

HUGHES DRILLING CO.

Wellsville, Kansas 66092

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

CORE TIME
LEASE Pl. McMillen #I-4
FORMATION #1 squirrel
DATE: 8/7/14

Don Clay 913-883-4656
913-883-4383

(~~chip~~ chip sample)

	FROM	FEET TO	TIME	MINUTES	REMARKS
①	679	680	-		sand very lamin. w/shale (bleeding)
②	680	681	-		sand slightly lamin. w/shale (bleeding)
③	681	682			} solid sand (exc. bleeding) 681-685
④	682	683			
⑤	683	684			
⑥	684	685			
⑦	685	686	}		sand slightly lamin. w/shale (exc. bleed)
⑧	686	687			
⑨	687	688	}		solid sand (exc. bleed)
⑩	688	689			
⑪	689	690	}		sand slightly lamin. w/shale (bleedin)
⑫	690	691			
⑬	691	692	}		black sand sand (some bleed)
⑭	692	693			solid
⑮	693	694	}		black sand sand
⑯	694	695	}		slightly lamin. w/shale (little bleed)
⑰	695	696			
⑱	696	697	}		black sand
⑲	697	698	}		very lamin. w/shale (little bleed)
⑳	698	699			
㉑	699	700	-		shale

(Best Perf Zone)
680-689
DBH, CCH

HUGHES DRILLING CO.

Wellsville, Kansas 66092

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

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

CORE TIME
LEASE N. McMillen #1-4
FORMATION #2 squirrel
DATE: _____

~~chip~~ chip sample

FROM	FEET TO	TIME	MINUTES	REMARKS
734	735	-		lime
735	736	-		solid LT. Brown sand (bleeding)
736	737	}		solid sand (exc. bleeding)
737	738			
738	739			
739	740			
740	741	-		sand slightly lamin. w/shale (exc. bleed)
741	742	-		solid sand (exc. bleed)
742	743	}		sand very lamin. w/shale (some bleed)
743	744			
744	745			
745	746	}		shale
746	747			
747	748			
				(Best Perf Zone) 736-742 DAH, CCH