

ORIGINAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

June 2009

Form Must Be Typed

Form must be Signed

Blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

RECEIVED
DEC 14 2011
KCC WICHITA

OPERATOR: License # 5682
Name: Hughes Drilling Company
Address 1: 122 N. Main
Address 2: _____
City: Wellsville State: Ks Zip: 66092 + 8522
Contact Person: Carl (Clay) Hughes
Phone: (785) 883-2235
CONTRACTOR: License # 5682
Name: Hughes Drilling Company
Wellsite Geologist: none
Purchaser: High Sierra

API No. 15 - 059-25,696

Spot Description: _____

NW SW NE SW Sec. 33 Twp. 15 S. R. 20 East West

1,815 Feet from North / South Line of Section

3,795 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

County: Franklin

Lease Name: Lutter Well #: 13

Field Name: Norwood

Producing Formation: D&A

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: 920 Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: 24.15 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.

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
 Conv. to GSW

Plug Back: _____ Plug Back Total Depth

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

ENHR Permit #: _____

GSW Permit #: _____

8/29/11	8/31/11	8/31/11
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

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 #: _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: Carl C. Hughes

Title: partner Date: 12/2/11

KCC Office Use ONLY

Letter of Confidentiality Received
Date: _____

Confidential Release Date: _____

Wireline Log Received

Geologist Report Received

UIC Distribution

ALT I II III Approved by: DLG Date: 12/20/11

Operator Name: Hughes Drilling Company Lease Name: Lutter Well #: 13

Sec. 33 Twp. 15 S. R. 20 East West County: Franklin

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample Name Top Datum Hertha 436-442
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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
Surface	11"	6 1/4"	15#	24.15	portland	7	

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				

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
	D&A	plugged hole-10 sacks cement at T.D. 920'	
		10 sacks cement at 700'	
		10 sacks cement at 450'	
		45 sacks cement from 250' to surface	
		50/50 poz - 6% gel cement	

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. D&A	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____
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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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CONSOLIDATED
Oil Well Services, LLC

TICKET NUMBER 32766
LOCATION Ottawa
FOREMAN Alan Maden

PO Box 884, Chanute, KS 66720
820-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-31-11	3425	Letter # 13	SE32	15	20	ER
CUSTOMER Hughes Drilling			TRUCK #			
MAILING ADDRESS 122 Main			DRIVER			
CITY Wellsville			TRUCK #			
STATE KS			DRIVER			
ZIP CODE 66092			TRUCK #			
JOB TYPE <u>plug</u>			DRIVER			
HOLE SIZE <u>5 5/8</u>			TRUCK #			
HOLE DEPTH <u>920</u>			DRIVER			
CASING SIZE & WEIGHT			TRUCK #			
CASING DEPTH			DRIVER			
DRILL PIPE			TRUCK #			
TUBING			DRIVER			
OTHER			TRUCK #			
SLURRY WEIGHT			DRIVER			
SLURRY VOL			TRUCK #			
WATER gal/sk			DRIVER			
CEMENT LEFT in CASING			TRUCK #			
DISPLACEMENT			DRIVER			
DISPLACEMENT PSI			TRUCK #			
MIX PSI			DRIVER			
RATE			TRUCK #			
REMARKS: <u>Held crew meeting. Established water. Mixed & pumped 10 sk 50/150 po2 plus 6 bags of gel at TD. Pulled to 700' & pumped 10 sk. Pulled to 450' & pumped 10 sk. Pulled to 250' & filled to surface. Pulled steel out & topped off well.</u>						
75 sk total						
Hughes Drilling & water						

Alan Maden

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5425N	1	PUMP CHARGE		975.00
5406	15	MILEAGE		60.00
5407	min	700 miles		330.00
1124	75 #	50/150 po2		783.75
1118B	378 #	gel		75.60
				RECEIVED
				DEC 14 2011
				KCC WICHITA
				7.52
				SALES TAX
				ESTIMATED
				TOTAL
				2291.38

243948

Ravin 3737

AUTHORIZATION Clay Hughes TITLE Driller 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.

Sec. 33, Twp. 15, Rng. 20
 Fr. Co., Kansas
 1815 FSL 3795 FEL
 API # 15-959-25696-00-0.

HUGHES DRILLING REPORT

SURFACE CASING PERMANENT CSG.
 Well No. 13 Size 6 1/4
 Farm Lutter Feet 24.15
 Circulated 7 ex cement

OPERATOR Hughes Drilling

T. D. at Completion 920
 Contractor HUGHES DRILLING CO.

STRATA THICKNESS	FORMATION DRILLED	T.D.
2	Soil	2
15	Clay	17
47	Shale	64
7	Lime	71
2	Shale	73
18	Lime	91
7	Shale	98
10	Lime	108
3	Shale	111
18	Lime	129
32	Shale	166
16	Lime	182
3	Shale	185
7	Sand	194
66	Shale	260
21	Lime	281
20	Shale	301
7	Lime	308
28	Shale	336
13	Lime	349
20	Shale	369
30	23 Lime	392
9	Shale	401
20	25 Lime	426
4	Shale	430
3	Lime	433
3	Shale	436
6	Lime	442
19	Shale	501
2	Sand	563
38	Shale	601
2	Lime	603
10	Shale	613
10	Lime	623
20	Shale	643
8	Lime	651
13	Shale	664
3	Lime	666
8	Shale	674
6	Lime	680
13	Shale	693

DATE	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
	FROM	TO		
8-29-11	0	2	Soil	(1) 22.5-24.5
	2	17	Clay	(2) 22.5-44.0
24'	17	64	Shale	(3) 22.5-66.5
8-30-11	64	71	Lime	(4) 22.5-89.0
5 7/8	71	73	Shale	(5) 22.5-111.5
PDC	73	91	Lime	(6) 22.5-134.0
	91	98	Shale (slate 93-94)	(7) 22.5-156.5
	98	108	Lime	(8) 22.5-179.0
	108	111	Shale	(9) 22.5-201.5
	111	129	Lime	(10) 22.5-224.0
	129	166	Shale (BRK 134-146)	(11) 22.5-246.5
	166	182	Lime	(12) 22.5-269.0
	182	185	Shale	(13) 22.5-291.5
	185	194	Sand	(14) 22.5-314.0
	194	260	Shale	(15) 22.5-336.5
	260	281	Lime	(16) 22.5-359.0
	281	301	Shale	(17) 22.5-381.5
	301	308	Lime	(18) 22.5-404.0
	308	336	Shale	(19) 22.5-426.5
	336	349	Lime	(20) 22.5-449.0
	349	369	Shale	(21) 22.5-471.5
30'	369	392	Lime	(22) 22.5-494.0
	392	401	Shale (slate 393-394)	(23) 22.5-516.5
20'	401	426	Lime	(24) 22.5-539.0
	426	430	Shale (slate 427-430)	(25) 22.5-561.5
	430	433	Lime	(26) 22.5-584.0
	433	436	Shale	(27) 22.5-606.5

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Sec. 33, Twp. 15, Rng. 20 (PS2)
 FV Co., Kansas
 1815 FSL 3795 FEL
 API # 15-059-25696-00-00

HUGHES DRILLING REPORT

Well No. 13 Size..... Size.....
 Farm Letter Feet..... Feet.....
 Circulated _____ sx cement
 OPERATOR Hughes Drilling T. D. at Completion 920
 Contractor HUGHES DRILLING CO.

STRATA THICKNESS	FORMATION DRILLED	T.D.
6	Lime	699
46	Shale	745
1	Lime	746
6	Shale	752
1	Lime	753
2	Shale	755
2	Gr. Sand	757
147	Shale	904
7	Jelly Shale	911
9	Shale	920
	T.D.	

DATE	DRILLED FROM	DRILLED TO	REMARKS - TYPE WORK - DRILLING REP.	PIPE TALLY
8-30-11	Hester	436	442	LIME (29) 22.5-629.0
		442	561	Shale (BRK 445-448) (29) 22.5-651.5
		561	563	sand (slight odor) (30) 22.5-674.0
		563	601	Shale (BRK 593-601) (5) 22.5-696.5
		601	603	Lime (Sandy slight odor) (32) 22.5-719.0
		603	613	Shale (13) 22.5-741.5
		613	623	Lime (14) 22.5-764.0
		623	643	Shale (BRK 629-631) (20) 22.5-786.5
		643	651	Lime (10) 22.5-809.0
		651	664	Shale (13) 22.5-831.5
		664	666	Lime (Brown) (2) 22.5-854.0
		666	674	Shale (Slate 673-674) (8) 22.5-876.5
		674	680	Lime (674-676 BRK) (6) 22.5-899.0
		680	693	Shale (Slate 689-690)
		693	699	Lime (Bleeding oil 693-695)
		699	745	Shale (Lime Break 704-705)
		745	746	Lime
		746	753	Shale
		753	755	Lime
		755	757	Shale
		757	904	Gray Sand
		904	911	Shale (Sandy Shale 816-820) (Sandy Shale 872-880)
		911	920	Sandy Shale
				Shale
				T.D.

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8/31/11 - Plugged Hole
 10 sacks cement at T.D. 920'
 10 sacks cement at 700'
 10 sacks cement at 450'
 sacks cement from 250' to surface