

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

June 2009

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

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

OPERATOR: License # 5682
Name: Hughes Drilling Company
Address 1: 122 N. Main
Address 2: _____
City: Wellsville State: Ks Zip: 66092 + _____
Contact Person: Carl (Clay) Hughes
Phone: (913) 963-9127
CONTRACTOR: License # 5682
Name: Hughes Drilling Company
Wellsite Geologist: none
Purchaser: High Sierra

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 #: _____

<u>6/4/10</u>	<u>6/11/10</u>	<u>7/15/10</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 059-25,497-0000

Spot Description: _____

SE SW NE NE Sec. 11 Twp. 16 S. R. 20 East West

4,280 Feet from North / South Line of Section

870 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Franklin

Lease Name: South McMillen Well #: 10

Field Name: LeLoup

Producing Formation: Squirrel

Elevation: Ground: 988 Kelly Bushing: _____

Total Depth: 805 Plug Back Total Depth: 795

Amount of Surface Pipe Set and Cemented at: 39.35 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: 795

feet depth to: surface w/ 124 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 #: _____

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: 8/17/10

KCC Office Use ONLY

Letter of Confidentiality Received

Date: _____ **RECEIVED**
AUG 13 2010

Confidential Release Date: _____

Wireline Log Received

Geologist Report Received

UIC Distribution

ALT I II III Approved by: Dig Date: 8/17/10 **KCC WICHITA**

Operator Name: Hughes Drilling Co., a General Partnership Lease Name: South McMillen Well #: 10

Sec. 11 Twp. 16 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.

<p>Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i></p> <p>Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Cores Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Electric Log Submitted Electronically <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(If no, Submit Copy)</i></p> <p>List All E. Logs Run: Gamma Ray/Neutron</p>	<p><input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample</p> <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Hertha</td> <td>436-441</td> <td></td> </tr> <tr> <td>Fort Scott</td> <td>690-696</td> <td></td> </tr> <tr> <td>1st Squirrel</td> <td>707-714</td> <td></td> </tr> <tr> <td>2nd Squirrel</td> <td>757-764</td> <td></td> </tr> </table>	Name	Top	Datum	Hertha	436-441		Fort Scott	690-696		1st Squirrel	707-714		2nd Squirrel	757-764	
Name	Top	Datum														
Hertha	436-441															
Fort Scott	690-696															
1st Squirrel	707-714															
2nd Squirrel	757-764															

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"	8"	15#	39.35	portland	9	
Production	5 5/8"	2 7/8"	7#	796.5'	50/50 poz	124	2% gel

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 <i>(Amount and Kind of Material Used)</i>	Depth
3	22 perms-757'-764'- 2" DML RTG	fracture-5,500#	757-764

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. 7/16/10

Producing Method: Flowing Pumping Gas Lift Other (Explain) _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	2	trace	35		24

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input checked="" type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" 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: <u>757-764</u> <div style="text-align: center; border: 1px solid black; padding: 5px; font-weight: bold; font-size: 1.2em;">RECEIVED</div>
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CONSOLIDATED
OF WELL SERVICES, L.L.C.

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

TICKET NUMBER 26891
LOCATION Ottawa, MO
FOREMAN Jim Green

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
06-11-10	3425	S Ma Miller #10	11	16	20	FR
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
Hupher Drilling 122 Main Wellsville KS 66092			481	Jim Gre	36	
			368	Chu Lam		
			510	Tim War		

JOB TYPE Long string HOLE SIZE 5 7/8" HOLE DEPTH 505' CASING SIZE & WEIGHT 2 1/2" EUE
 CASING DEPTH 795' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT IN CASING _____
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Establish circulation, mix and pump 100' gal up flush
hole. Mix and pump 126 sk 5750 pot mix cement with 2% gel
Flush pump clear of cement, pump 2 1/2" rubber plug to total
depth of casing, pressure up to 600 PSI circulating cement to
surface. Well held good, shut valve.

Customer supplied water

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5400	One	PUMP CHARGE Cement One Well		900.00
5405	15	MILEAGE Cement Pump Miles		53.25
5409	Min	Ten Miles		305.00
		Customer Supplied H2O		N/A
4408	One	2 1/2" Rubber Plug		23.00
1124	124 sk	5750 Pot Mix Cement		1184.00
1118B	325"	Premium Gel		65.00
		RECEIVED		
		WO # 234721		
		AUG 13 2010		
		KCC WICHITA		
		SALES TAX		86.51
		ESTIMATED		
		TOTAL		2616.96

Ravin 3737

AUTHORIZATION Clay Ziegler 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.

HUGHES DRILLING REPORT

Well No. 10 Size 8"
 Farm S. McMillen Feet 39.35
 Circulated 9 sx cement

PERMANENT CSG.

Size.....
 Feet.....
 T. D. at Completion 805

OPERATOR Hughes Drilling Co

Contractor HUGHES DRILLING CO.

STRATA THICKNESS	FORMATION DRILLED	T.D.
2	soil	2
42	Clay	44
23	Shale	67
27	Lime	94
7	Shale	101
11	Lime	112
6	Shale	118
16	Lime	134
35	Shale	169
26	Lime	195
3	Shale	198
8	Sand	204
66	Shale	270
27	Lime	297
7	Shale	304
10	Lime	314
22	Shale	336
10	Lime	346
25	Shale	371
30'	23 Lime	394
	6 Shale	400
20'	26 Lime	426
	4 Shale	430
	4 Lime	434
	2 Shale	436
"Hertha"	5 Lime	441
	118 Shale	559
"Bern"	2 Sand (oil mud)	561
	38 Shale	599
"Wayside"	1 Sand	600
	11 Shale	611
	9 Lime	620
	10 Shale	630
	2 Lime	632
	12 Shale	644
	8 Lime	652
	12 Shale	664
	2 Lime	666
	9 Shale	674
	7 Lime	681
	9 Shale	690

DATE	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
	FROM	TO		
6/4/10	0	2	soil	① 21.5-21.5
39 ft	2	44	Clay	② 22.5-44.0
15/10	44	67	Shale	③ 22.5-66.5
5/8" PVC	67	94	Lime (slate 71-72)	④ 22.5-89.0
	94	101	Shale (Dark) (slate 99-100)	⑤ 22.5-111.5
	101	112	Lime	⑥ 22.5-134.0
	112	118	Shale	⑦ 22.5-156.5
	118	134	Lime	⑧ 22.5-179.0
	134	169	Shale (Sand 163-165)	⑨ 22.5-201.5
	169	195	Lime	⑩ 22.5-224.0
	195	198	Shale	⑪ 22.5-246.5
	198	204	Sand	⑫ 22.5-269.0
	204	270	Shale	⑬ 22.5-291.5
	270	297	Lime (Slate 294-295)	⑭ 22.5-314.0
	297	304	Shale	⑮ 22.5-336.5
	304	314	Lime	⑯ 22.5-359.0
	314	336	Shale	⑰ 22.5-381.5
	336	346	Lime	⑱ 22.5-404.0
	346	371	Shale (Lime 359-360)	⑲ 22.5-426.5
30'	371	394	Lime	⑳ 22.5-449.0
	394	400	Shale (slate 398-399)	㉑ 22.5-471.5
20'	400	426	Lime	㉒ 22.5-494.0
	426	430	Shale (slate 429-430)	㉓ 22.5-516.5
	430	434	Lime	㉔ 22.5-539.0
	434	436	Shale	㉕ 22.5-561.5
"Hertha"	436	441	Lime	㉖ 22.5-584.0
515'	441	559	Shale (Broken 444-446) (sandy shale 450-452)	㉗ 22.5-606.5

(6/4/10 set 39.35' of 8" surface pipe
 circulated 9 sx cement)

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KCC WICHITA

Driller - Isaac Burbank
 Clay Hughes

~~W.F.~~ Co., Kansas
4280 FSL 870 FEL

HUGHES DRILLING REPORT

Well No. 10 SURFACE CASING PERMANENT CSG.
 Farm S. Mcmillen Size..... Size.....
 Feet..... Feet.....
 Circulated _____ sx cement
 OPERATOR Hughes Drilling Co T. D. at Completion 805'
 Contractor HUGHES DRILLING CO.

API # 15-059-25,497

STRATA THICKNESS	FORMATION DRILLED	T.D.
P.S. 6	Lime	696
6	shale	702
3	Brk Sand	705
2	shale	707
#1 Sgs 7	Oil Sand	714
7	Brk Sand	721
2	Brk Sand	723
23	shale	746
1	Lime	747
7	shale	754
1	Lime	755
2	shale	757
#2 Sgs 7	Oil Sand	764
4	shale	805
	T.D.	805

DATE		DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
		FROM	TO		
7/10	"Peru"	559	561	Sand (oil trace)	22.5-629.0
		561	599	Shale (slate 590-591)	22.5-651.5
	"wayside"	599	600	sand (very lamin w/ shale, oil trace)	22.5-674.0
		599	611	Shale	22.5-696.5
		611	620	Lime	22.5-719.0
		620	630	shale	22.5-741.5
		630	632	Lime	22.5-764.0
		632	644	shale	22.5-786.5
		644	652	Lime	T.D. 805
		652	664	shale	
		664	666	Lime	
		666	674	shale (slate 673-674)	
		674	681	Lime	
		681	690	shale	
	F.T. Scott	690	696	Lime (soft sdy 691-692 bleeding oil)	
		696	702	shale	
		702	705	Broken Sand	
		705	707	shale	
	#1 Sgs	707	714	Oil sand (core time pg. 3)	
		714	721	Broken Sand	
		721	723	Black Sand	
		723	746	shale	
		746	747	Lime	
		747	754	shale	
		754	755	Lime	
	772'	755	757	shale	
	#2 Sgs	757	764	Oil sand (core time pg. 4)	
	11/10	764	805	shale	

~~61110~~ 61110 - set 796, 50' of 2 7/8" 8rd EUE
 Used 3 centralizers
 Bolt at 795

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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 #10 South McMillon
FORMATION #1 Squirrel
DATE: 6/7/10

Shave Bit 3"
(RPM _____)

FROM	FEEET TO	TIME	MINUTES	REMARKS
702	703	chip sampled	-	} sand very lamin w/shale (Some Bleeding 702-703)
703	704	11:48:00 - 11:49:15	1:15	
704	705	11:50:15	1:00	} shale
705	706	11:51:30	1:15	
706	707	11:52:30	1:00	
707	708	11:53:15	:45	} solid sand 707-710 (Good Bleeding)
708	709	11:54:00	:45	
709	710	11:55:00	1:00	
710	711	11:56:00	1:00	} sand slightly lamin w/shale (Bleeding)
711	712	11:57:00	1:00	
712	713	11:58:15	1:15	- sand very lamin w/shale (some Bleed.)
713	714	11:59:15	1:00	- solid sand (Bleeding)
714	715	12:00:30	:45	} shale (scattered thin streaks of sand)
715	716	12:01:45	1:15	
716	717	12:03:00	1:15	
717	718	12:04:15	1:15	
718	719	12:05:30	1:15	
719	720	12:06:45	1:15	} black sand
720	721	12:08:00	1:15	
721	722	12:08:45	:45	
722	723	12:10:15	1:30	} shale

Best Perf zone
707-714 cch

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HUGHES DRILLING CO.

Pg 4

Wellsville, Kansas 66092

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

CORE TIME

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

LEASE S. Mc Miller #10

FORMATION #2 Squirrel

DATE: 6/7/10

(RPM) 3" shave bit

FROM	FEEET TO	TIME	MINUTES	REMARKS
757	758	4:24:00 - 4:25:00	1:00	- 757-757.3 shale
758	759	4:25:45	:45	- solid sand 757.3-758 (B.O.)
759	760	4:26:45	1:00	- slightly lamina w/shale (B.O.)
760	761	4:27:45	1:00	- solid sand (B.O.)
761	762	4:28:45	1:00	- lamina w/shale (B.O.)
762	763	4:29:45	1:00	- solid sand (B.O.)
763	764	4:30:45 ^{stop}	1:00	- very lamina w/shale (some Bl.)
764	765	4:38:00 - 4:39:00 ^{ADD POINT}	1:00	- sand lamina w/shale (B.O.) 763-764
765	766	4:40:15	1:15	} sdy shale
766	767	4:41:15	1:00	
767	768	4:42:15	1:00	
768	769	4:43:15	1:00	} shale
769	770	4:44:15	1:00	
770	771	4:45:30	1:15	
771	772	4:46:30	1:00	
772	773	STOP		
773	774			
774	775			
775	776			
776	777			

Best Perf Zone
757 - 764 cor

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