

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 5682
Name: Hughes Drilling Co., a General Partnership
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 Co., a General Partnership
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 #: _____

6/11/10	6/18/10	7/15/10
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 059-25,498-0000

Spot Description: _____

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

3,880 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 #: 11

Field Name: LeLoup

Producing Formation: Fort Scott & Squirrel

Elevation: Ground: 984 Kelly Bushing: _____

Total Depth: 792 Plug Back Total Depth: 756

Amount of Surface Pipe Set and Cemented at: 39.6 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: 756

feet depth to: surface w/ 104 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: 8/4/10

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: Dig

RECEIVED

AUG 13 2010

8/17/10

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Operator Name: Hughes Drilling Co., a General Partnership Lease Name: South McMillen Well #: 11
 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.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input 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: Gamma Ray/Neutron	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample <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>449-455</td> <td></td> </tr> <tr> <td>Fort Scott</td> <td>710-715</td> <td></td> </tr> <tr> <td>1st Squirrel</td> <td>721-726</td> <td></td> </tr> <tr> <td>2nd Squirrel</td> <td>775-778</td> <td></td> </tr> </table>	Name	Top	Datum	Hertha	449-455		Fort Scott	710-715		1st Squirrel	721-726		2nd Squirrel	775-778	
Name	Top	Datum														
Hertha	449-455															
Fort Scott	710-715															
1st Squirrel	721-726															
2nd Squirrel	775-778															

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#	39.6	portland	8	
Production	5 5/8"	2 7/8"	7#	761'	50/50 poz	104	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	28 perms-710'-725.5'- 2" DML RTG	fracture-6,000#	710-725.5

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

Date of First, Resumed Production, SWD or ENHR. 7/16/10	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. 2	Gas Mcf trace	Water Bbls. 1
Gas-Oil Ratio		Gravity	

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 710-725.5 AUG 13 2010 KCC WICHITA
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CONSOLIDATED
Oil Well Services, LLC

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

TICKET NUMBER 26945

LOCATION Ottawa KS

FOREMAN Fred Mader

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
6/18/10	3425	So McMillan #11	NE 11	11e	20	FR
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
Hughes Drilling			506	Fred	Safety Mfg	
MAILING ADDRESS			495	Casey	CR	
122 Main			510	Tom	TAW	
CITY	STATE	ZIP CODE				
Wellsville	KS	66092				

JOB TYPE Longstring HOLE SIZE 5 7/8 HOLE DEPTH 771 CASING SIZE & WEIGHT 2 7/8" EUE
 CASING DEPTH 761' DRILL PIPE Pin @ TUBING 757' OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 2 7/8" Plug
 DISPLACEMENT 4.488 DISPLACEMENT PSI _____ MIX PSI _____ RATE 4APM

REMARKS: Establish Circulation. Pump 20 BBLs Fresh water Flush
Mix Pump 10h sks 50/50 Por mix Cement. 2 7/8 Gal
Cement to Surface. Flush pump & lines clean. Displace
2 7/8" Rubber Plug to pin in casing w/ 4.488 Fresh water
Pressure to 600* PSI. Shut in casing

Hughes Drilling supplied water

Fred Mader

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE Cement Pump		900 ⁰⁰
5406	15mi	MILEAGE Pump Truck		53 ²⁵
5402	761'	Casing Footage		111 ⁰⁰
5407	Minimum	100 Miles		305 ⁰⁰
1124	104 SKS	50/50 Por mix Cement		993 ²⁰
1118A	178#	Premium Grel		35 ⁶⁰
4402	1	2 7/8" Rubber Plug		23 ⁰⁰
			RECEIVED	
			AUG 13 2010	
			KCC WICHITA	
			6.8%	
			SALES TAX	71 ⁵²
			ESTIMATED	
			TOTAL	2381 ⁵⁷

WO # 234807

Revin 8737

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 form

HUGHES DRILLING REPORT

Well No. 11 Size 8" SURFACE CASING PERMANENT CSG.
 Farm S. Macmillan Feet 391.60 Feet
 Circulated 8 sx cement
 T. D. at Completion 792
 OPERATOR Hughes Drilling Co. Contractor HUGHES DRILLING CO.

API # 15-059-25,498

STRATA THICKNESS	FORMATION DRILLED	T.D.
2	Soil	2
44	Clay	46
31	Shale	77
29	Lime	106
7	Shale	113
9	Lime	122
7	Shale	129
20	Lime	149
33	Shale	182
25	Lime	207
4	Shale	211
4	Sand	215
68	Shale	283
27	Lime	310
8	Shale	318
10	Lime	328
21	Shale	349
11	Lime	360
28	Shale	388
30'	19 Lime	407
7	Shale	414
20'	25 Lime	439
3	Shale	442
4	Lime	446
3	Shale	449
"Hertha"	6 Lime	455
9	Shale	464
3	BRN Sand	467
106	Shale	573
2	Sand	575
41	Shale	616
2	Sand	618
10	Shale	628
9	Lime	637
8	Shale	645
5	Lime	650
10	Shale	661
8	Lime	669
13	Shale	682
2	Lime	684
7	Shale	691

DATE	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
	FROM	TO		
atulip	0	2	Soil	21.5-21.5
39'	2	46	Clay	22.5-44.0
116.0'	46	77	Shale	22.5-66.5
7/8 Pcs	77	106	Lime	22.5-89.0
	106	113	Shale (slate 112-113) (dark)	22.5-111.5
	113	122	Lime	22.5-134.0
	122	129	Shale	22.5-156.5
	129	149	Lime	22.5-179.0
	149	182	Shale (Sand 168-170)	22.5-201.5
	182	207	Lime	22.5-224.0
	207	211	Shale	22.5-246.5
	211	215	Sand	22.5-269.0
	215	283	Shale	22.5-291.5
	283	310	Lime	22.5-314.0
	310	318	Shale	22.5-336.5
	318	328	Lime	22.5-359.0
	328	349	Shale	22.5-381.5
	349	360	Lime	22.5-404.0
	360	388	Shale (Lime: 372-373)	22.5-426.5
30'	388	407	Lime	22.5-449.0
	407	414	Shale (slate 407-408)	22.5-471.7
20'	414	439	Lime (oil trace)	22.5-494.0
	439	442	Shale (slate 341-342)	22.5-516.5
	442	446	Lime	22.5-539.0
	446	449	Shale	22.5-561.5
"Hertha"	449	455	Lime	22.5-584.0
	455	464	Shale (BRN 458-463)	22.5-606.5

6/11/10 set 39.60' of 8" surface pipe circulated 8 sx cement

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HUGHES DRILLING REPORT

Fr Co., Kansas
 3880 FSL 820 FEL
 API # 15-059-25.498

Well No. 11 SURFACE CASING PERMANENT CSG.
 Farm S. McMillan Size 8" Size
 Feet 39.6 Feet
 Circulated 8 sx cement
 OPERATOR Hughes Drilling Co. T. D. at Completion 792
 Contractor HUGHES DRILLING CO.

STRATA THICKNESS	FORMATION DRILLED	T.D.
7	Lime	699
12	Shale	710
Fort Scott 5	Lime	715
6	Shale	721
#1 sq 5	Oil Sand	720
39	Shale	765
1	Lime	766
7	Shale	775
#2 sq 3	Brnsand	778
14	Shale	792
		TO

DATE	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
	FROM	TO		
5/16/10	564	567	Brown sand (Bleeding some oil)	(29) 22.5-629.0
	567	573	Shale	(29) 22.5-651.5
	573	575	Sand (oil trace)	(30) 22.5-674.0
	575	616	Shale (Slate 604-605) (Bck 612-615)	(31) 22.5-696.5
	616	618	Gray sand	(32) 22.5-719.0
	618	628	Shale	(33) 22.5-741.5
	628	637	Lime (oil trace)	(34) 22.5-764.0
	637	645	Shale	
	645	650	Lime	
	650	661	Shale (Slate 650-651)	
	661	669	Lime	
	669	682	Shale	
	682	684	Lime (Brown)	
	684	691	Shale (Slate 684-685)	
	691	698	Lime	
722	698	710	Shale	
7/10	Fort Scott 710	715	Lime (710-713 Sandy → Bleeding oil)	
	715	721	Shale	
#1 Squared	721	726	oil sand (core time pg. 3)	
	726	765	Shale	
	765	766	Lime	
	766	778	Shale	
#2 Squ.	778	778	Sand (core time pg. 4)	
	778	792	Shale	
		TO		

Start core: ~~710~~
 KD: 7 1/2"
 Joints on trailer

6/18/10 - SET 761' of 2 7/8" 8rd EUS
 used 3 centralizers
 Bolt at 756'

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HUGHES DRILLING CO.

Wellsville, Kansas 66092

Pg. 3

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

Don 913-883-4655
Clay 913-883-4383

CORE TIME # 11
LEASE S. Mcmillen
FORMATION # 1 Squirrel
DATE: 6-17-10

3" Shave Bit

FROM	FEEET TO	TIME	MINUTES	REMARKS
721	722	Chip sample	—	sand slightly lamin. w/shale (Good Bleed)
1) 722	723	1:41:00 - 1:41:30	:30	Solid Sand (Good Bleed)
2) 723	724	1:42:00 - 1:42:45	:45	sand slightly lamin. w/shale (Bleed)
3) 724	725	1:43:15	:30	Solid Sand (Good Bleeding)
4) 725	726	1:44:00	:45	724-725.5 (A few thin shale streaks)
5) 726	727	1:45:00	1:00	Thin sand streaks
6) 727	728	1:45:45	:45	shale streaks 726-727
7) 728	729	1:46:45	1:00	
8) 729	730	1:47:45	1:00	
9) 730	731	1:48:45	1:00	
10) 731	732	1:49:45	1:00	
11) 732	733	1:50:30	:45	
12) 733	734	1:51:15	:45	shale
13) 734	735	1:52:00	:45	
14) 735	736	1:52:45	:45	sand streak 736
15) 736	737	1:53:45	1:00	
16) 737	738	1:54:45	1:00	
17) 738	739	1:55:45	1:00	
18) 739	740	1:56:45	1:00	(Best Perf Zone)
19) 740	741	1:58:00	1:15	721-725.5 cm
20) 741	742	1:59:00	1:00	
				Perf Fort Scott 710-713

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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

Pg 2

CORE TIME
LEASE S. McMiller #11
FORMATION #2 Squirrel
DATE: 6/17/10

(RPM 3" Shave Bit)

FROM	FEET TO	TIME	MINUTES	REMARKS
775	776	Chip sample		Sdy shale (A few scattered thin streaks of sand) (Some Bleeding) sand very lamin, w/shale (bleeding oil) SHALE (No good core)
① 776	777	5:27:00-5:27:45	:45	
② 777	778	5:28:30	:45	
③ 778	779	5:29:15	:45	
④ 779	780	5:30:15	1:00	
⑤ 780	781	5:31:00	:45	
⑥ 781	782	5:32:00	1:00	
⑦ 782	783	5:32:45	:45	
⑧ 783	784	5:33:45	1:00	
⑨ 784	785	5:34:30	:45	
⑩ 785	786	5:35:15	:45	
⑪ 786	787	5:36:15	1:00	
⑫ 787	788	5:37:15	1:00	
⑬ 788	789	5:38:00	:45	
⑭ 789	790	5:39:00	1:00	
⑮ 790	791	5:39:45	:45	
⑯ 791	792	5:40:45	1:00	
17 792 793		Stop		
18 793 794				
19 794 795				
20 795 796				

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