

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
October 2008
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 5682
 Name: Hughes Drilling Company
 Address 1: 122 Main
 Address 2: _____
 City: Wellsville State: KS Zip: 66092 + 8522
 Contact Person: Carl (Clay) Hughes
 Phone: (913) 963-9127
 CONTRACTOR: License # 5682
 Name: company tools
 Wellsite Geologist: _____
 Purchaser: High Sierra
 Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SIOW
 Gas ENHR SIGW
 CM (Coal Bed Methane) Temp. Abd.
 Dry Other _____
 (Core, WSW, Expl., Cathodic, 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: _____ Plug Back Total Depth _____
 Commingled Docket No.: _____
 Dual Completion Docket No.: _____
 Other (SWD or Enhr.?) Docket No.: _____

<u>7/17/09</u>	<u>7/21/09</u>	<u>8/19/09</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

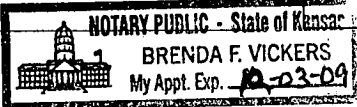
API No. 15 - 059-25400-0000
 Spot Description: _____
N2 N2 SW SE Sec. 24 Twp. 15 S. R. 20 East West
1100 Feet from North / South Line of Section
1980 Feet from East / West Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
 County: Franklin
 Lease Name: Flynn Well #: 2-A
 Field Name: Paola Rantoul
 Producing Formation: #1 squirrel
 Elevation: Ground: 1082 Kelly Bushing: _____
 Total Depth: 874 Plug Back Total Depth: 858
 Amount of Surface Pipe Set and Cemented at: 23.85 Feet
 Multiple Stage Cementing Collar Used? Yes No
 If yes, show depth set: _____ Feet
 If Alternate II completion, cement circulated from: 858
 feet depth to: surface w/ 127 sx cmt.

Drilling Fluid Management Plan AH II NR 11-4-09
 (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 No.: _____
 Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
 County: _____ Docket No.: _____

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.

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: 10/19/09
 Subscribed and sworn to before me this 19 day of October
20 09
 Notary Public: Brenda F. Vickers
 Date Commission Expires: 12-03-09



KCC Office Use ONLY
 Letter of Confidentiality Received
 If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

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Operator Name: Hughes Drilling Company Lease Name: Flynn Well #: 2-A
 Sec. 24 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 copy of all Electric Wireline 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(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>518</td> <td>523</td> </tr> <tr> <td>Squirrel</td> <td>801</td> <td>827</td> </tr> </table> <div style="text-align: right; font-weight: bold; font-size: 1.2em;"> RECEIVED OCT 26 2009 KCC WICHITA </div>	Name	Top	Datum	Hertha	518	523	Squirrel	801	827
Name	Top	Datum								
Hertha	518	523								
Squirrel	801	827								

CASING RECORD <input type="checkbox"/> New <input checked="" 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	7in.	16	23.85	portland	8	
production	5 5/8	2 7/8	7	858	50/50 poz	127	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	19 perms-807-813 2" DML RTG	fracture-4,500# sand	807-813
3	19 perms-815-821 2"DML RTG		815-821

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SWD or Enhr. 8-20-09	Producing Method: <input type="checkbox"/> Flowing <input checked="" 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. 1	Gas Mcf trace	Water Bbls. 2	Gas-Oil Ratio	Gravity 24
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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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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HUGHES DRILLING REPORT

1100 FSL 1980 FEL

API # 165-059-25400

Well No. 2 A Size 7"
 Farm Flynn Feet 23.85
 Circulated 8 sx cement

PERMANENT CSG.
 Size
 Feet

OPERATOR Hughes Drilling Co.

T. D. at Completion
 Contractor HUGHES DRILLING CO.

STRATA THICKNESS	FORMATION DRILLED	T.D.
2	Soil	2
3	clay	5
10	Sandstone	15
1	shale	16
1	slate	17
127	shale	144
22	Lime	166
7	shale	173
11	lime	184
5	shale	189
15	lime	204
44	shale	248
19	lime	267
2	shale	269
6	sand	275
66	shale	341
18	lime	359
24	shale	383
5	lime	388
29	shale	417
7	lime	424
10	shale	434
2	lime	436
13	shale	449
30'	lime	475
10	shale	485
20	lime	507
4	shale	511
3	lime	514
4	shale	518
11'	lime	523
153	shale	674
3	lime	679
4	shale	683
2	lime	685
13	shale	698
6	lime	704
17	shale	723
6	lime	729
18	shale	747
3	lime	750

DATE	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
	FROM	TO		
7/17/09	0	2	soil	①21.5-21.5
	2	5	clay	②22.5-44.0
	5	15	sandstone	③22.5-66.5
	15	16	shale	④22.5-89.0
	16	17	slate	⑤22.5-111.5
23'	17	144	shale	⑥22.5-134.0
7/20/09	144	166	lime	⑦22.5-156.5
5 5/8" PDC	166	173	shale (slate 172-173)	⑧22.5-179.0
	173	184	lime	⑨22.5-201.5
	184	189	shale	⑩22.5-224.0
	189	204	lime	⑪22.5-246.5
	204	248	shale	⑫22.5-269.0
	248	267	lime	⑬22.5-291.5
	267	269	shale	⑭22.5-314.0
	269	275	sand	⑮22.5-336.5
	275	341	shale	⑯22.5-359.0
	341	359	lime	⑰22.5-381.5
	359	383	shale	⑱22.5-404.0
	383	388	lime	⑲22.5-426.5
	388	417	shale	⑳22.5-449.0
	417	424	lime	㉑22.5-471.5
	424	434	shale	㉒22.5-494.0
	434	436	lime	㉓22.5-516.5
	436	449	shale	㉔22.5-539.0
30'	449	475	lime (oil trace 453-468)	㉕22.5-561.5
	475	485	shale	㉖22.5-584.0
20'	485	507	lime	㉗22.5-606.5

7/17/09 set 23.85' of 7" surface pipe
 circulated 8 sx cement

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HUGHES DRILLING REPORT

SURFACE CASING PERMANENT CSG.

Well No. 2-A Size Size
 Farm Flynn Feet Feet
 Circulated _____ sx cement

T. D. at Completion 874'
 Contractor HUGHES DRILLING CO.

OPERATOR Hughes Drilling

STRATA THICKNESS	FORMATION DRILLED	T.D.
9	Shale	759
9	Lime	768
33	shale	801
2	Gas Sand	803
24	Oil Sand	827
40	shale	867
3	sand	870
4	shale	874
		TD

DATE	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
	FROM	TO		
	507	511	Shale	(28) 22.5-629.0
	511	514	Lime	(29) 22.5-651.5
	514	518	Shale	(30) 22.5-674.0
	518	523	Lime	(31) 22.5-696.5
	523	676	shale (BKN 528-531)	(32) 22.5-719.0
	676	679	Lime	(33) 22.5-741.5
	679	683	Shale	(34) 22.5-764.0
	683	685	Lime	(35) 22.5-786.5
	685	698	shale	(36) 22.5-809.0
	698	709	Lime	(37) 22.5-831.5
	709	723	shale (BKN 710-717)	(38) 22.5-854.0
	723	729	Lime	
	729	747	shale	
	747	750	Lime (Brown)	
	750	759	Shale (slate 751-752)	
	759	768	Lime	
	768	801	shale (Lime break-789)	
823'	801	803	Gas Sand	
#1 Squirt	803	827	Oil Sand	
	827	867	shale	
#2 Squirt	867	870	LT Brown Sand	
	870	874	shale	
			TD	
7/21/09 - set 858.05' of 2 7/8 Bnd EUE pipe				
* used 3 centralizers				
Bolt at 856.05				

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PS3

Wellsville, Kansas 66092

OCT 26 2009

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

CORE TIME

KCC WICHITA 913-883-4655
Clay 913-883-4383

LEASE Flynn 2-A

FORMATION #1 Squirrel

DATE: 7-20-09

~~3"~~ 3" Shave Bit

FROM	FEET TO	TIME	MINUTES	REMARKS
801	802	Chip Sample	-	LT Brown sand (No Oil)
802	803	Chip Sample	-	LT Brown sand (No Oil)
① 803	804	2:45:00 - 2:45:45	:45	LT Brown sand (some Bleeding)
② 804	805	2:46:45	1:00	Sand with a few shale seams (Bleed)
③ 805	806	2:47:30	:45	Solid sand (Bleeding)
④ 806	807	2:48:15	:45	Sand with a few shale seams (Bleed)
⑤ 807	808	2:49:00	:45	807-810 solid sand (Good Bleeding)
⑥ 808	809	2:55:00 - 2:55:45	:45	
⑦ 809	810	2:56:30	:45	
⑧ 810	811	2:57:15	:45	Sand with a few shale seams (Bleed)
⑨ 811	812	2:58:00	:45	solid sand (Good Bleeding) 811-813
⑩ 812	813	2:58:45	:45	
⑪ 813	814	3:00:00	1:15	sandy lime (No Oil)
⑫ 814	815	3:01:00	1:00	
⑬ 815	816	3:01:45	:45	Solid sand (Good Bleeding) 815-818
⑭ 816	817	3:02:30	:45	
⑮ 817	818	3:03:15	:45	
⑯ 818	819	3:04:00	:45	818-822 sand with a few shale seams
⑰ 819	820	3:04:45	:45	
⑱ 820	821	3:05:45	1:00	(Good Bleeding) Best Perf 2 807-813 815-821
⑲ 821	822	3:06:30	:45	
⑳ 822	823	3:07:15	:45	
823	824	Chip Sample	-	822-825 Sand lamin. w/shale (Bleeding)
824	825	" "	-	
825	826	" "	-	825-827 Sand very lamin. w/shale (some Bleeding)
826	827	" "	-	
827	828	" "	-	
				Shale

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 Flynn 2-A
FORMATION pipe Tally
DATE: 7/21/09

(REPT) 2 7/8" BRD EUE

FROM	FEET TO	TIME	MINUTES	REMARKS
31	70	30.85		323 160.10
30	90	30.90		160.90
32	45 out	30.95		159.60
32	40 out	32.50		156.90
32	65	31.70		157.40
(160.10)		(156.90)		160.15
				(955.05 Total pipe)
31	70	31.20		
32	95	31.70		955.05
31	70	30.80		- 32.45
33	00	32.35		922.60
31	55	31.35		- 32.40
(160.90)		(157.40)		890.20
				- 32.15
32	15 out	30.65		858.05 T.D. pipe
31	10	31.70		- 2.00
30	90	31.65		856.05 Bolt
32	40	33.05		
33	05	33.10		
(159.60)		(160.15)		

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CONSOLIDATED
Oil Well Services, LLC

TICKET NUMBER 20096
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
7/20/09	3425	Flynn # 2 A	SE 24	15	20	FR
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
Mailing Address			506	Fred		
CITY			368	Ken		
STATE			503	Jason		
ZIP CODE						
Wellsville						
KS						
66092						

JOB TYPE Longstring HOLE SIZE 5 7/8 HOLE DEPTH 870' CASING SIZE & WEIGHT 2 7/8" EVE
 CASING DEPTH 858' DRILL PIPE Pin @ TUBING 8 5/8" OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 2 1/2" Plug
 DISPLACEMENT 53BL DISPLACEMENT PSI _____ MIX PSI _____ RATE 4 BPM

REMARKS: Check casing depth w/wireline. Mix + Pump 100# Gel
Flush. Mix + Pump 130 sks 50/50 Por Mix Cement
2% Gel. Cement to Surface. Flush pump + lines clean
Displace 2 1/2" Rubber Plug to Pin @ casing w/ 53BL
Fresh water. Pressure to 600# PSI. 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 <u>Cement Pump</u>		870 ⁰⁰
5406	15mi	MILEAGE <u>Pump Truck</u>		57 ⁷⁵
5402	858'	Casing Footage		N/C
5407	minimum	Ton Mileage		296 ⁰⁰
1124	127sks	50/50 Por Mix Cement		1124 ⁷⁵
1118A	318#	Premium Gel		50 ⁸⁸
14402	1	2 1/2" Rubber Plug		22 ⁰⁰

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SALES TAX 6.8% 84.84
ESTIMATED TOTAL 2550.22

RAVIN 3737
AUTHORIZATION [Signature]

TITLE 230513

DATE _____