KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1155244

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

OPERATOR: License # 5682
Name: Hughes Drilling Co, a General Partnership
Address 1: 122 MAIN
Address 2:
City: WELLSVILLE State: KS Zip: 66092 + 8522
Contact Person: Clay Hughes
Phone: (785) 883-2235
CONTRACTOR: License # 5682
Name: Hughes Drilling Co, a General Partnership
Wellsite Geologist: NA
Purchaser:

Designate Type of Completion:

- [x] New Well
- [ ] Re-Entry
- [ ] Workover

- [ ] Oil
- [ ] WSW
- [ ] SWD
- [ ] SIOW
- [ ] Gas
- [ ] D&A
- [x] 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 #:

7/16/2013	7/17/2013	7/18/2013
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-059-26421-00-00
Spot Description:
NW - SE - SW - SE Sec. 24 Twp. 15 S. R. 20 [x] East [ ] West
440 Feet from [ ] North / [x] South Line of Section
1760 Feet from [x] East / [ ] West Line of Section
Footages Calculated from Nearest Outside Section Corner:
[ ] NE [ ] NW [x] SE [ ] SW
County: Franklin
Lease Name: Flynn Well #: I-3
Field Name:
Producing Formation: Squirrel
Elevation: Ground: 1079 Kelly Bushing: 0
Total Depth: 875 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 41 Feet
Multiple Stage Cementing Collar Used? [ ] Yes [x] No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from:
feet depth to: 41 w/ 15 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: 1500 ppm Fluid volume: 80 bbls
Dewatering method used: Evaporated
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

- [ ] **Letter of Confidentiality Received**
  Date:
- [ ] **Confidential Release Date:**
- [x] **Wireline Log Received**
- [ ] **Geologist Report Received**
- [x] **UIC Distribution**

ALT [ ] I [x] II [ ] III **Approved by:** Deanna Garrison **Date:** 08/23/2013

Side Two

[redacted]

1155244

Operator Name: Hughes Drilling Co, a General Partnership Lease Name: Flynn Well #: I-3

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 complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken *(Attach Additional Sheets)*	☐ Yes	☑ No
Samples Sent to Geological Survey	☐ Yes	☑ No
Cores Taken	☐ Yes	☑ No
Electric Log Run	☑ Yes	☐ No
Electric Log Submitted Electronically *(If no, Submit Copy)*	☑ Yes	☐ No

List All E. Logs Run:

GammaRay/Neutron/CCL

☐ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
GammaRay		

CASING RECORD ☑ New ☐ 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	9	7	10	41	Portland	15	50/50 POZ
Completion	5.6250	2.8750	8	861	Portland	119	50/50 POZ

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:
- ☐ Perforate
- ☐ Protect Casing
- ☐ Plug Back TD
- ☐ Plug Off Zone

Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
-			
-			

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
2	794-711	2" DML RTG	17

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

Date of First, Resumed Production, SWD or ENHR. Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)*

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

DISPOSITION OF GAS: ☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*

METHOD OF COMPLETION: ☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)* ☐ Other *(Specify)*

PRODUCTION INTERVAL:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

CONSOLIDATED
Oil Well Services, LLC

260715

TICKET NUMBER 42204
LOCATION Ottawa
FOREMAN Alan 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
7-18-13	3532	Flynn I-3	SE 24	15	20	FR

CUSTOMER: Hughes Drilling
MAILING ADDRESS: 122 N Main
CITY: Wellsville | STATE: KS | ZIP CODE:

TRUCK #	DRIVER	TRUCK #	DRIVER
516	Alan M		
495	Kei Cam		
510	Wil Met		

JOB TYPE long string | HOLE SIZE 5 5/8 | HOLE DEPTH 875 | CASING SIZE & WEIGHT 2 7/8
CASING DEPTH 861 | DRILL PIPE | TUBING | OTHER Perf 833
SLURRY WEIGHT | SLURRY VOL | WATER gal/sk | CEMENT LEFT in CASING yes
DISPLACEMENT 4.8 | DISPLACEMENT PSI 800 | MIX PSI 200 | RATE 5 bpm

REMARKS: Hooked to casing. Established rate. Mixed & pumped 100# gel followed by 119 SK 50/50 cement plus 1/4# flosea per sack. Circulated cement. Flushed pump. Pumped plug to bottle. Well held 800 PSI for 30 min MIT. Closed valve.

Hughes, Eric

Alan Mader

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT		UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	495		1085.00
5406	20	MILEAGE	495		84.00
5402	861	casing depth	495		—
5407	min	ton miles	510		368.00
1124	119	50/50 cement			1368.50
1118B	300#	gel			66.00
1107	30#	Flosea			74.10
4402	1	2 1/2 plug			29.50
				SALES TAX	117.67
				ESTIMATED TOTAL	3192.77

Completed

Ravin 3737

AUTHORIZTION [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

Sec. 24 Twp. 15 Rng. 20
Fr. Co., Kansas
440 FSL 1760 FEL
API # 15-059-26421

Well No. I-3
Farm Flynn

SURFACE CASING
Size 7"
Feet 41.35
Circulated 15 sx cement

PERMANENT CSG.
Size 2 7/8 8rd EUE (new)
Feet 361 of pipe
Baffle at 833'

T. D. at Completion 375

OPERATOR Hughes Drilling

Contractor HUGHES DRILLING CO.

DATE	DRILLED FROM	DRILLED TO	REMARKS -- TYPE WORK -- BILLING REF.
7/16/13	0	3	Soil
41'	3	12	Clay
7/17/13	12	18	Sandstone
5 5/8	18	25	Shale
PDC Bit	25	30	Sandstone
	30	32	Gray Sand
	32	143	Shale
	143	166	Lime
	166	174	Shale (Slate 166-167)
	174	184	Lime
	184	189	Shale
	189	205	Lime (Sdy 189-195)
	205	244	Shale (Sdy 212-226)
	244	267	Lime
	267	336	Shale
	336	356	Lime
	356	375	Shale
	375	382	Lime
	382	409	Shale
	409	414	Lime
	414	427	Shale
	427	428	Lime
	428	443	Shale
30'	443	468	Lime (Oil Trace 447-450)
	468	477	Shale (Slate 482-483)
20'	477	500	Lime
	500	504	Shale

PIPE TALLY	
1	21.5 - 21.5
2	22.5 - 44.0
3	22.5 - 66.5
4	22.5 - 89.0
5	22.5 - 111.5
6	22.5 - 134.0
7	22.5 - 156.5
8	22.5 - 179.0
9	22.5 - 201.5
10	22.5 - 224.0
11	22.5 - 246.5
12	22.5 - 269.0
13	22.5 - 291.5
14	22.5 - 314.0
15	22.5 - 336.5
16	22.5 - 359.0
17	22.5 - 381.5
18	22.5 - 404.0
19	22.5 - 426.5
20	22.5 - 449.0
21	22.5 - 471.5
22	22.5 - 494.0
23	22.5 - 516.5
24	22.5 - 539.0
25	22.5 - 561.5
26	22.5 - 584.0
27	22.5 - 606.5

STRATA THICKNESS	FORMATION DRILLED	T.D.
3	Soil	3
9	Clay	12
6	Sandstone	18
7	Shale	25
5	Sandstone	30
2	Gr. Sand	32
111	Shale	143
23	Lime	166
8	Shale	174
10	Lime	184
5	Shale	189
16	Lime	205
39	Shale	244
23	Lime	267
69	Shale	336
20	Lime	356
19	Shale	375
7	Lime	382
27	Shale	409
5	Lime	414
13	Shale	427
1	Lime	428
15	Shale	443
30 25	Lime	468
9	Shale	477
20 23	Lime	500
4	Shale	504
3	Lime	507
3	Shale	510
[redacted]		
"Bartha" 6	Lime	516
161	Shale	677
3	Lime	680
10	Shale	690
7	Lime	697
18	Shale	715
9	Lime	724
13	Shale	737
3	Lime	740
5	Shale	745
2	Lime	747

Sec. 24, Twp. 15, Rng. 20 E (P92)
FR. Co., Kansas
440 FSL 1760 FEL
API # 15-059-26421

HUGHES DRILLING REPORT

SURFACE CASING

Well No. I-3 Size
Farm Flynn Feet
Circulated ____ sx cement

PERMANENT CSG.

Size 2 7/8 8rd EUE (new)
Feet 861 of pipe
Baffle at 833'

T. D. at Completion 875'

OPERATOR Hughes Drilling
Contractor HUGHES DRILLING CO.

DATE	DRILLED FROM	DRILLED TO	REMARKS — TYPE WORK — BILLING REF.	PIPE TALLY
	504	507	Lime	(28) 22.5-629.0
	507	510	Shale	(29) 22.5-651.5
"Heather"	510	516	Lime	(30) 22.5-674.0
	516	677	Shale (CBRKN 521-525) (CBRKN 667-672)	
	677	680	Lime	(31) 22.5-696.5
	680	690	Shale (CBRKN 684-686	(32) 22.5-719.0
	690	697	Lime (C[redacted])	(33) 22.5-741.5
	697	715	Shale (CBRKN 704-708)	(34) 22.5-764.0
	715	724	Lime (CBRKN)	(35) 22.5-786.5
	724	737	Shale	(36) 22.5-809.0
	737	740	Lime (LBrown)	(37) 22.5-831.5
	740	745	Shale (Slate 740-741)	(38) 22.5-854.0
	745	747	Lime	
	747	758	Shale	
	758	763	Lime (CBRKN)	
	763	783	Shale (Lime Break 776)	
	783	797	Lt Brown Sand	
#1 Squirrel	793	826	Oil Sand	(Remarks Pg 3)
	826	829	Black Sand	
	829	832	Shale	
	832	833	Lime	
	833	875	Shale	
		T.D.		
	7-18-13		set 861' of 2 7/8" 8rd EUE (new)	
			used 3 centralizers	
			Baffle at 833'	

STRATA THICKNESS	FORMATION DRILLED	T.D.
11	Shale	738
5	Lime	763
20	Shale	783
#1 Squirrel 10	Lt Br. Sand	793
33	Oil Sand	826
3	Bl. Sand	829
3	Shale	832
1	Lime	833
42	Shale	875
		T.D.

R.D. 21
T.D. 875'
Pulled 5 Jts 10 Jts on Trailer

HUGHES DRILLING CO.

Pg. 3

Wellsville, Kansas 66092

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

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

CORE TIME

LEASE Flynn I-3

FORMATION #1 Squirrel

DATE: 7-17-13

(~~RFM~~ Chip Samples)

FEET FROM	TO	TIME	MINUTES	REMARKS
783	793	Lt Brown Sand		
793	811	Solid Sand (Bleeding)		
811	812	Gray Sandy Lime (No Oil)		
812	815	Solid Sand (Bleeding)		
815	819	Solid Sand (Oil Trace)		
819	826	Solid Sand (Show, water)		
826	829	Black Sand		
829		Shale		
				Best Perf Zone 794-811