

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

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.
Address 1: 122 N. Main
Address 2: _____
City: Wellsville State: Ks Zip: 66092 + 8522
Contact Person: Carl (Clay) Hughes
Phone: (913) 963-9127
CONTRACTOR: License # 5682
Name: Hughes Drilling Co.
Wellsite Geologist: _____
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>4/8/11</u>	<u>4/12/11</u>	<u>5/11/11</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 091-23,451-0000
Spot Description: _____
NE SW SW SE Sec. 36 Twp. 14 S. R. 21 East West
440 Feet from North / South Line of Section
2,200 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Johnson
Lease Name: Braun Well #: 23-1
Field Name: Longanecker Southeast
Producing Formation: Bartlesville
Elevation: Ground: n/a Kelly Bushing: _____
Total Depth: 899 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 22.95 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: _____ Feet
If Alternate II completion, cement circulated from: 881.95'
feet depth to: surface w/ 129 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: 5/23/11

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: DG Date: 6/6/11

Operator Name: Hughes Drilling Co. Lease Name: Braun Well #: 23-1

Sec. 36 Twp. 14 S. R. 21 East West County: Johnson

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 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>392</td> <td>399</td> </tr> <tr> <td>Bartlesville</td> <td>845</td> <td>854</td> </tr> </table>	Name	Top	Datum	Hertha	392	399	Bartlesville	845	854
Name	Top	Datum								
Hertha	392	399								
Bartlesville	845	854								

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	9 7/8	8"	15	22.95'	portland	5	none
Production	5 1/4	2 7/8"	7	881.95'	50/50 poz	129	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 (Amount and Kind of Material Used)	Depth
3	845-853	150 gallons of HCl Acid (23 ball sealers)	845-853

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. _____		Producing Method: <input type="checkbox"/> Flowing <input 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 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: _____ _____
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Sec 36, Twp 14, Rng 21
30 Co., Kansas
440 FSL 2200 FEL
 API # 15-091-23451

HUGHES DRILLING REPORT

Well No. #23-1 Size 8"
 Farm Brown Feet 22,95
 Circulated 5 sx cement

PERMANENT CSG.

T. D. at Completion 899
 Contractor HUGHES DRILLING CO.

OPERATOR Hughes Drilling

STRATA THICKNESS	FORMATION DRILLED	T.D.
2	Soil	2
20	Clay	22
16	Shale	38
24	Lime	62
8	Shale	70
8	Lime	78
6	Shale	84
20	Lime	104
27	Shale	131
24	Lime	155
28	Shale	183
12	Lime	195
22	Shale	217
7	Lime	224
10	Shale	234
12	Lime	246
16	Shale	262
19	Lime	272
7	Shale	279
5	Lime	284
43	Shale	327
30	Lime	350
8	Shale	358
20	Lime	381
5	Shale	386
3	Lime	389
3	Shale	392
7	Lime	399
170	Shale	569
5	Lime	574
3	Shale	577
3	Lime	580
7	Shale	587
7	Lime	594
16	Shale	610
3	Lime	613
7	Shale	620
12	Lime	632
7	Shale	639
4	Red Bed	643
12	Shale	655

DATE	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
	FROM	TO		
4-8-11	0	2	soil	(1) 21.5-21.5
22'	2	22	Clay	(2) 22.5-44.0
	22	38	Shale	(3) 22.5-66.5
4-11-11	38	62	Lime	(4) 22.5-89.0
5/8/12	62	70	Shale (slate 69-70)	(5) 22.5-111.5
	70	78	Lime	(6) 22.5-134.0
	78	84	Shale	(7) 22.5-156.5
	84	104	Lime	(8) 22.5-179.0
	104	131	Shale	(9) 22.5-201.5
	131	155	Lime	(10) 22.5-224.0
	155	183	Shale	(11) 22.5-246.5
	183	195	Lime	(12) 22.5-269.0
	195	217	Shale	(13) 22.5-291.5
	217	224	Lime	(14) 22.5-314.0
	224	234	Shale	(15) 22.5-336.5
	234	246	Lime	(16) 22.5-359.0
	246	262	Shale (Broken 260-262)	(17) 22.5-381.5
	262	272	Lime	(18) 22.5-404.0
	272	279	Shale	(19) 22.5-426.5
	279	289	Lime	(20) 22.5-449.0
	289	327	Shale (Broken 316-318)	(21) 22.5-471.5
30	327	350	Lime	(22) 22.5-494.0
	350	358	Shale (slate 351-352)	(23) 22.5-516.5
20'	358	381	Lime	(24) 22.5-539.0
	381	386	Shale (slate 382-383)	(25) 22.5-561.5
	386	389	Lime	(26) 22.5-584.0
	389	392	Shale	(27) 22.5-606.5

RECEIVED
 MAY 27 2011
 KCC WICHITA

4/8/11 set 22,95' of 8" surface pipe
 circulated 5 sx cement

HUGHES DRILLING REPORT

440 FSL 2200 FEL
 API # 15-091 23451

Well No. # 23-1
 Farm: Brown
 SURFACE CASING Size: _____
 PERMANENT CSG. Size: _____
 Feet: _____
 Circulated _____ sx cement

OPERATOR Hughes Drilling

T. D. at Completion 899
 Contractor HUGHES DRILLING CO.

STRATA THICKNESS	FORMATION DRILLED	T.D.
2	Lime	657
47	Shale	704
1	Lime	705
48	Shale	753
2	Lime	755
76	Shale	831
1	Lime	832
4	Shale	836
3	Red Bed	839
6	Shale	845
9	oil sand	854
45	Shale	899
		TD

DATE	DRILLED FROM	DRILLED TO	REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
		399	569	shale (Broken 403-409) (Broken 544-549) (29) 22.5-691.5
		569	574	Lime (3) 22.5-674.0
		574	577	Shale (5) 22.5-696.5
		577	580	Lime (2) 22.5-719.0
		580	587	Shale (3) 22.5-741.5
		587	594	Lime (3) 22.5-764.0
		594	610	Shale (25) 22.5-786.5
		610	613	Lime (Brown) (3) 22.5-809.0
		613	620	Shale (skate 615-616) (5) 22.5-831.5
		620	632	Lime (Broken) (3) 22.5-854.0
		632	639	Shale (3) 22.5-876.5
		639	643	Red Bed
		643	655	Shale (skate 644-645)
		655	657	Lime
		657	704	Shale (Broken 673-675)
		704	705	Lime
		705	753	Shale (skate 750-751)
		753	755	Lime
		755	831	Shale (brk 789-790)
		831	832	Lime
		832	836	Shale
		836	839	Red Bed
		839	845	Shale
	"Bostlesville"	845	854	oil sand (remarks pg 3)
	875'	854	899	Shale
4/12/11		TD		

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 KCC WICHITA

4/12/11 set 881.95' of 2 7/8" 8nd EUE PIPE
 Bolt at 878.95
 used 3 centralizers



CONSOLIDATED
Oil Well Services, LLC

API 15-091-23451-00-00

TICKET NUMBER 31839

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
4/12/11	3425	Brown # 23-I	SE 36	14	21	JO
CUSTOMER Hughes Drilling			TRUCK # DRIVER TRUCK # DRIVER			
MAILING ADDRESS 122 Main			506	Fred	Safety Mtg	
CITY STATE ZIP CODE Wellsville KS 66092			368	Ken	KN	
			548	Arlen	APM	

JOB TYPE Longstring HOLE SIZE 5 7/8 HOLE DEPTH 899 CASING SIZE & WEIGHT 2 3/8 EUE
 CASING DEPTH 882 DRILL PIPE Pin in TUBING @ 879' OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT IN CASING 2 1/2 Plug
 DISPLACEMENT 5.11 DISPLACEMENT PSI _____ MIX PSI _____ RATE 4 BPM

REMARKS: Establish circulation, Mix & Pump 100# Premium Gel Flush
 Mix & Pump 129 sks 50/50 for Mix Cement 23 Gel. Cement to
 Surface. Flush pump & lines clean. Displace 2 1/2" rubber plug
 to Pin in casing w/ 5.11 BBL Fresh Water. Pressure to
 750# PSI. Hold pressure for 30 min MIT. Shut in casing

KCC Rep: Taylor Herman
 Customer Supplied Water

Fred Mader

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE		975 ⁰⁰
5406	25 mi	MILEAGE		100 ⁰⁰
5402	882'	Casing footage		N/C
5407	Minimum	Ton Miles		330 ⁰⁰
1124	129 sks	50/50 Por Mix Cement		1348 ⁰⁵
1118B	317#	Premium Gel		634 ⁰
4402	1	2 1/2" Rubber Plug		28 ⁰⁰
		W/O # 240518		
			7.525%	SALES TAX ESTIMATED TOTAL
				10233
				2952 ⁷⁷

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 MAY 27 2011
 KCC WICHITA

Ravin 3737

AUTHORIZATION

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.