

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 # 30555

Name: John Herrick

Address 1: 3553 Oregon

Address 2: _____

City: Ottawa State: KS Zip: 66067 + _____

Contact Person: John Herrick

Phone: (785) 242 6423

CONTRACTOR: License # 5682

Name: Hughes Drilling

Wellsite Geologist: none

Purchaser: Pacer Energy

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 #: _____

9/28/10 9/29/10 10/1/10
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 121 28808 0000

Spot Description: NE/4 NE/4 NE/4 of the NE/4

NE-NE-NE-NE Sec. 30 Twp. 17 S. R. 22 East West

5115 Feet from North / South Line of Section

165 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Miami

Lease Name: Brown Well #: 16

Field Name: Paoal-Rantoul

Producing Formation: Squirrel & Peru

Elevation: Ground: n/a Kelly Bushing: n/a

Total Depth: 575 Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: 20 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: 565

feet depth to: D w/ 133 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: 

Title: Business Partner Date: 12/20/10

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: DG

RECEIVED

DEC 27 2010

KCC WICHITA
Date: 12/29/10

Operator Name: John Herrick Lease Name: Brown Well #: 16
 Sec. 30 Twp. 17 S. R. 22 East West County: Miami

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: <p style="text-align: center; margin-left: 100px;">Gamma Ray/Neutron</p>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:70%;">Name</td> <td style="width:15%;">Top</td> <td style="width:15%;">Datum</td> </tr> <tr> <td>Base of Hertha</td> <td></td> <td>218</td> </tr> <tr> <td>Peru Sand</td> <td></td> <td>356-364</td> </tr> <tr> <td>Squirrel Sand</td> <td></td> <td>516-527</td> </tr> <tr> <td>TD</td> <td></td> <td>575</td> </tr> </table>	Name	Top	Datum	Base of Hertha		218	Peru Sand		356-364	Squirrel Sand		516-527	TD		575
Name	Top	Datum														
Base of Hertha		218														
Peru Sand		356-364														
Squirrel Sand		516-527														
TD		575														

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	8.5"	8"		20 ft.	portland	5	
Production	5 5/8	2 7/8		565	50/50 poz	133	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing				
___ Plug Back TD				
___ 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
2	517-524	spot acid on perforations and	
2	356-364	fracked each zone with 35 sacks	
		of sand and gelled water	

TUBING RECORD:	Size: <u>1"</u>	Set At: <u>550</u>	Packer At:	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>12-10-10</u>		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 Bbbs. <u>1</u>	Gas Mcf	Water Bbbs. <u>0</u>	Gas-Oil Ratio <u>28</u>

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: <u>517-524 & 356-364</u>
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CONSOLIDATED
Oilfield Services, LLC

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-487-8676

TICKET NUMBER 27174
LOCATION Ottawa
FOREMAN Alan Maden

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
10-1-10	3554	Brown 14	NE 30	17	22	DEW
CUSTOMER John Herrick			TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS 3553 Oregon Rd			516	Alan M	Safety	Meeting
CITY Ottawa			495	Casey K	CE	
STATE KS			369	Harold	Harold	
ZIP CODE 66067			510	Derek M.	DM	

JOB TYPE long string HOLE SIZE 5 7/8 HOLE DEPTH 575 CASING SIZE & WEIGHT 2 7/8 Prod
CASING DEPTH 565 DRILL PIPE _____ TUBING _____ OTHER pm 56'
SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT IN CASING _____
DISPLACEMENT 3 1/4 DISPLACEMENT PSI 800 MIX PSI 200 RATE 4 bpm

REMARKS: Held crew meeting. Mixed + pumped 100 # gel to flush hole followed by 133 sk 50150 ppz, 2 7/8 gel. Circulated cement. Flushed pump. Pumped plug to pin @ 56'. Well held 800 P.S.T. Closed valve.

Hughes Drilling

Alan Maden

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE		925.00
5406		MILEAGE		
5407	565'	casing footage		
5407	1/2 min	ton mileage		157.50
5502L	1 1/2	BOVAC		150.00
1188B	323 #	gel		64.60
1124	130 sk	50150 ppz		1279.20
4402	1	2 1/2 plug		23.00
<u>WO# 237086</u>				
				RECEIVED
				DEC 27 2010
				KCC WICHITA
SALES TAX				103.20
ESTIMATED TOTAL				2702.50

Rawls 3737
AUTHORIZATION John Herrick 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

Sec. 3 Twp. 17 Rng. 22
 Miami Co., Kansas
 5115 FSL 165 FEL
 API# 15-121228-00-00

HUGHES DRILLING REPORT

SURFACE CASING
 Well No. 16 Size 8"
 Farm BIRAWA Feet 20'
 Circulated 5 sx cement

PERMANENT CSG.
 Size 2 7/8 EUE (8nd)
 Feet 565' (Bolt at 561)

T. D. at Completion 575'
 Contractor HUGHES DRILLING CO.

OPERATOR John Harnick

STRATA THICKNESS	FORMATION DRILLED	T.D.
2	Soil	2
25	Clay	27
17	Lime	44
24	Shale	68
7	Lime	75
43	Shale	118
14	Lime	132
9	Shale	141
30'	29 Lime	170
9	shale	179
20'	22 Lime	201
4	Shale	205
4	Lime	209
3	Shale	212
6	Lime	218
130	Shale	348
2	Red Red	350
8	Shale	358
2	Gray Sand	356
1	Sdy/Lime	357
7	oil sand	364
13	shale	377
17	Lime	394
42	Shale	430
5	Lime	441
14	Shale	455
3	Lime	458
14	Shale	472
6	Lime	478
6	shale	484
3	Red Red	487
10	shale	497
2	Lime	499
5	shale	504
4	Lime	508
8	shale	516
8	sand	524
3	Br. Sand	527
48	shale	575
		T.D.

DATE	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
	FROM	TO		
9/28/10	0	2	Soil	① 22.5-21.5
20' (10 1/8 bit)	2	27	Clay	② 22.5-44.0
9/29/10	27	44	Lime	③ 22.5-66.5
5/8 PDC	44	68	Shale	④ 22.5-88.0
	68	75	Lime	⑤ 22.5-111.5
	75	118	Shale	⑥ 22.5-134.0
	118	132	Lime	⑦ 22.5-156.5
	132	141	Shale	⑧ 22.5-179.0
30'	141	170	Lime	⑨ 22.5-201.5
	170	179	Shale (Slate 174-175)	⑩ 22.5-224.0
20'	179	201	Lime	⑪ 22.5-246.5
	201	205	Shale (Slate 204-205)	⑫ 22.5-269.0
	205	209	Lime	⑬ 22.5-291.5
	209	212	Shale	⑭ 22.5-314.0
'Hertna'	212	218	Lime	⑮ 22.5-336.5
	218	348	Shale (Slate 218-219) (sandy 244-250)	⑯ 22.5-359.0
	348	350	(Slate 344-345) Red Red	⑰ 22.5-381.5
	350	358	Shale	⑱ 22.5-404.0
	358	356	Gray Sand (oil smell)	⑲ 22.5-426.5
	356	357	Sdy/Lime (oil trace)	⑳ 22.5-449.0
'Peru'	357	364	Oil sand (remarks pg 3)	㉑ 22.5-471.5
	364	377	shale	㉒ 22.5-494.0
	377	394	Lime	㉓ 22.5-516.5
	394	430	Shale	㉔ 22.5-539.0
	430	441	Lime	㉕ 22.5-561.5
	441	455	Shale	
	455	458	Lime (Brown)	

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Drillers - Isaac Burbank
 Eric Schulz

HUGHES DRILLING CO.

Pg. 3

Wellsville, Kansas 66092

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

CORE TIME

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

LEASE Brown #16

FORMATION Peru

DATE: 9/29/10

~~Chip~~ Chip Sampled

FROM	FEET TO	TIME	MINUTES	REMARKS
354	355	} Gray Sand		
355	356			
356	357	- sdy lime (oil trace)		
357	358	} Solid Sand (Good Bleeding)		
358	359			
359	360			
360	361		357-362	
361	362			
362	363	} sand lamin. w/shale (Bleeding)		
363	364			
364	365	} Shale		
365	366			
366	367			
367	368			
368	369			
369	370			
370	371			
371	372			
372	373			
373	374			
374	375			
375	376			
376	377			

(Best Perf zone)
357-364 cch.

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HUGHES DRILLING CO.

Wellsville, Kansas 66092

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

CORE TIME

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

LEASE: Brown #16

FORMATION: #1 Squirrel

DATE: 9/29/10

(REM) Chip Sample

FROM	FEEET	TO	TIME	MINUTES	REMARKS
513		514			Sandy Shale
514		515			
515		516			
516		517			Sand very lamin. w/shale (little Bleeding)
517		518			Solid Sand (Good Bleeding)
518		519			517-519
519		520			Sand very lamin. w/shale (some Bleeding)
520		521			
521		522			Solid Sand (Good Bleeding)
522		523			Sand lamin. w/shale (Bleeding)
523		524			Solid Sand (Good Bleeding)
524		525			Sand very lamin. w/shale (some Bleeding)
525		526			
526		527			
527		528			Shale
528		529			
529		530			
530		531			
					(Best Perf zone) 517-524 cch

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