KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 30555
Name: John Herrick
Address: 3553 Oregon
City/State/Zip: Ottawa, KS 66067
Purchaser: Pacer Energy
Operator Contact Person: John Herrick
Phone: (785) 418 2328
Contractor: Name: Hughes Drilling
License: 5682
Wellsite Geologist: none

Designate Type of Completion:
xx New Well ___ Re-Entry ___ Workover
___ Oil ___ SWD ___ SIOW ___ Temp. Abd.
___ Gas xx ENHR ___ SIGW
___ 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./SWD
___ Plug Back ___ Plug Back Total Depth
___ Commingled Docket No. ___
___ Dual Completion Docket No. ___
___ Other (SWD or Enhr.?) Docket No. ___

9/29/09	9/30/09	2/20/10
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 121 28726 0000
County: Miami
NW SW NE NE Sec. 30 Twp. 17 S. R. 22 xx East ☐ West
4455 feet from (S) / N (circle one) Line of Section
1025 feet from (E) / W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE (SE) NW SW
Lease Name: Brown Well #: 15
Field Name: Paola-Rantoul
Producing Formation: Peru Sand
Elevation: Ground: n/a Kelly Bushing: n/a
Total Depth: 395 Plug Back Total Depth: ___
Amount of Surface Pipe Set and Cemented at 22.1 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☒ No
If yes, show depth set ___ Feet
If Alternate II completion, cement circulated from ___
feet depth to ___ w/ ___ sx cmt.

Drilling Fluid Management Plan Alt I NCL 3-10-10
(Data must be collected from the Reserve Pit)
Chloride content n/a ppm Fluid volume n/a 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: [signature]
Title: Partner Date: 3/4/10
Subscribed and sworn to before me this 4 day of March, 2010.
Notary Public: Pat Goodin
Date Commission Expires: 4-16-13

OFFICIAL SEAL
PAT GOODIN
NOTARY PUBLIC OKLAHOMA
COMMISSION # 09003367
EXPIRES APRIL 16, 2013
OKLAHOMA COUNTY

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

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Side Two

Operator Name: John Herrick Lease Name: Brown Well #: 15

Sec. 30 Twp. 17 S. R. 22 [XX] 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 copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken [ ] Yes [XX] No
(Attach Additional Sheets)

Samples Sent to Geological Survey [ ] Yes [XX] No

Cores Taken [ ] Yes [XX] No

Electric Log Run [XX] Yes [ ] No
(Submit Copy)

List All E. Logs Run:

gamma ray/neutron

[ ] Log Formation (Top), Depth and Datum [X] Sample

Name	Top	Datum
Base of Hertha		206
Peru Sand		348-359
TD		395

CASING RECORD [ ] New [XX] 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"	7"		22.1	portland	8	
production	5 5/8	2 3/8		386	50/50 poz	60	

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	349-359	spot acid on perfs and	
		breakdown with 250 gallons of	
		acid	

TUBING RECORD Size Set At Packer At
none

Liner Run [ ] Yes [XX] No

Date of First, Resumerd Production, SWD or Enhr.
injection well waiting on KCC approval

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 [XX] Perf. [ ] Dually Comp. [ ] Commingled
[ ] Other *(Specify)*

Production Interval

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CONSOLIDATED
Oil Well Services, LLC

TICKET NUMBER 20128
LOCATION Ottawa
FOREMAN Alan Maler

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
10-20-09	3554	Brown BA	NE 30	17	22	MF

CUSTOMER: John Herrick
MAILING ADDRESS: 3553 Oregon Rd
CITY: Ottawa | STATE: KS | ZIP CODE: 66067

TRUCK #	DRIVER	TRUCK #	DRIVER
516	Alan M		
368	Ken H		
369	Chuck L		
503	Arlen Mc		

JOB TYPE Long String HOLE SIZE 5 5/8 HOLE DEPTH 395 CASING SIZE & WEIGHT 2 3/8
CASING DEPTH 386 DRILL PIPE _____ TUBING _____ OTHER _____
SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT In CASING yes
DISPLACEMENT 1.5 DISPLACEMENT PSI 800 MIX PSI 200 RATE 4 bpm

REMARKS: Established rate. Mixed + pumped 100# gel to flush hole followed by 60 sk 50/50 poz 2% gel. Circulated cement. Flushed pump. Pumped plug to pin. Well held 800 PSI for 30 min MIT.

Alan Maler

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE		870.00
5406	—	MILEAGE		—
5402	386'	casing footage		—
5407A	1/2 min	ton miles		148.00
5502C	1 1/2	80 vac		141.00
1183	201#	gel		32.16
1124	59 sk	50/50 poz		545.75
4401	1	2" plug		22.00
		WO 231483		
		6.55%	SALES TAX	39.30
			ESTIMATED TOTAL	1798.21

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Ravin 3737

AUTHORIZTION John Herrick TITLE _____ DATE _____

Sec. 30, Twp. 17, Rng. 22 E
Mi Co., Kansas
1455 FSL 1025 FEL
API # 15-121-23726

HUGHES DRILLING REPORT

Well No. 15 (8A)
Farm Brown

SURFACE CASING
Size 7"
Feet 22.10
Circulated 8 sx cement

PERMANENT CSG.
Size 2 3/8 EUE (8rd)
Feet 388

T. D. at Completion 390
Contractor HUGHES DRILLING CO.

OPERATOR John Henrick

DATE		DRILLED FROM	DRILLED TO	REMARKS — TYPE WORK — BILLING REF.	PIPE TALLY
9/29/09		0	2	Soil	(1) 21.5-21.5
		2	17	Clay	(2) 22.5-44.0
22		17	30	Lime	(3) 22.5-66.5
9/30/09		30	53	Shale	(4) 22.5-89.0
		53	59	Lime	(5) 22.5-111.5
5 5/8 TDC		59	103	Shale	(6) 22.5-134.0
		103	117	Lime	(7) 22.5-156.5
		117	127	Shale	(8) 22.5-179.0
	30'	127	155	Lime	(9) 22.5-201.5
		155	163	Shale (Slate 158-159)	(10) 22.5-224.0
	20'	163	188	Lime	(11) 22.5-246.5
		188	193	Shale (Slate 191-192)	(12) 22.5-269.0
		193	198	Lime	(13) 22.5-291.5
		198	200	Shale	(14) 22.5-314.0
	"Mertha"	200	206	Lime	(15) 22.5-336.5
		206	236	Shale (Slate 206-207)	(16) 22.5-359.0
		236	249	Gray sand (Knobtown)	(17) 22.5-381.5
		249	341	Shale	
		341	348	Gray sand & Shale	
	Peru	348	359	Sand (remarks pg. 2)	
		359	361	Shale	
		361	379	Lime	
		379	390	Shale	
		T.D.			

STRATA THICKNESS	FORMATION DRILLED	T.D.
2	Soil	2
15	Clay	17
13	Lime	30
23	Shale	53
6	Lime	59
44	Shale	103
14	Lime	117
10	Shale	127
30' 28	Lime	155
8	Shale	163
20' 25	Lime	188
5	Shale	193
5	Lime	198
2	Shale	200
"Mertha" 6	Lime	206
3	Shale	236
13	Gr Sand	249
92	Shale	341
7	Gr sand & Shale	348
11	Sand "Peru"	359
2	Shale	361
18	Lime	379
11	Shale	390
		TD

9/30/09
- Set 388' of 8rd EUE 2 3/8"
used 3 centralizers
Bolt at 386'

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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

CORE TIME

LEASE Brown #15 (8A)

FORMATION Peru

DATE: 9/30/09

~~RPM~~ Chip Sample

	FEET FROM	TO	TIME	MINUTES	REMARKS
1	341	342	Chip Sample		
2	342	343	"		
3	343	344	"		Gray Sand + shale
4	344	345	"		
5	345	346	"		
6	346	347	"		
7	347	348	"		
8	348	349	"		- Sand lamin. w/shale (little Bleeding)
9	349	350	"		- Sandy shale (A few strips of sand) (little
10	350	351	"		- Sand lamin. w/shale (little Bleeding)
11	351	352	"		- Sdy Lime - No Oil
12	352	353	"		- Solid Sand (Bleeding Oil)
13	353	354	"		- Sdy Lime (Little Bleeding)
14	354	355	"		- Sand slightly lamin. w/shale (Bleeding)
15	355	356	"		- Solid Sand (Bleeding)
16	356	357	"		- Sand slightly lamin. w/shale (Some Bleed
17	357	358	"		- Solid Sand (Bleeding)
18	358	359	"		- Sand very lamin. w/shale (Some Bleedi
19	359	360	"		
20	360	361	"		Shale

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