

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Form ACO-1
September 1999
Form Must Be Typed

KCC
mmw
7/30/08

7/24/10

Operator: License # 32294
Name: Osborn Energy, L.L.C.
Address: 24850 Farley
City/State/Zip: Bucyrus, KS 66013
Purchaser: Akawa Natural Gas, L.L.C.
Operator Contact Person: Curstin Hamblin
Phone: (913) 533-9900
Contractor: Name: Osborn Energy, L.L.C.
License: 32294

Wellsite Geologist: Curstin Hamblin
Designate Type of Completion:
New Well Re-Entry Workover
Oil SWD SIOW Temp. Abd.
Gas 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.

7/7/2008 7/17/2008 7/17/2008
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 121-28601-0000
County: Miami
N/2 NW SW NE Sec. 1 Twp. 16 S. R. 24 East West
1470 feet from S (N) Line of Section
2310 feet from E W Line of Section

Footages Calculated from Nearest Outside Section Corner:
Lease Name: Batson Well #: 4-1
Field Name: Paola/Rantule
Producing Formation: Cherokee
Elevation: Ground: 998 Kelly Bushing:
Total Depth: 688 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 Surface
feet depth to 540 w/ 82 sx cmt.

Drilling Fluid Management Plan
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: Curstin Hamblin
Title: Geologist Date: 7/24/08
Subscribed and sworn to before me this 24th day of July
Notary Public: Jane Brewer
Date Commission Expires: 3-23-11

KCC Office Use ONLY
Letter of Confidentiality Received
If Denied, Yes Date:
Wireline Log Received
Geologist Report Received RECEIVED
UIC Distribution KANSAS CORPORATION COMMISSION
JUL 28 2008

CONSERVATION DIVISION
WICHITA, KS

Operator Name: Osborn Energy, L.L.C. Lease Name: Batson Well #: 4-1
 Sec. 1 Twp. 16 S. R. 24 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 <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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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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	13"	10 3/4"		20'	Portland	3 sacks	
Production	9 1/4"	7"		540'	50/50 poz	82 sacks	341 # Gel
Liner		4"		688'			

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

TUBING RECORD	Size Set At	Packer At	Liner Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
NONE		None	

Date of First, Resumed Production, SWD or Enhr. waiting on pipeline	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
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Estimated Production Per 24 Hours	Oil Bbbls. None	Gas Mcf waiting on completion	Water Bbbls.	Gas-Oil Ratio	Gravity
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Disposition of Gas METHOD OF COMPLETION Production Interval

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled
(If vented, Submit ACO-18.) Other (Specify)

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CONSOLIDATED OIL WELL SERVICES, INC.
 P.O. BOX 884, CHANUTE, KS 66720
 620-431-9210 OR 800-467-8676

TICKET NUMBER 16207
 LOCATION Ottawa
 FOREMAN Alan Maden

TREATMENT REPORT & FIELD TICKET
 CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7-11-08	6073	Batson #1	1	16	24	M:
CUSTOMER Osborn			TRUCK #			
MAILING ADDRESS 24850 Farley			DRIVER		TRUCK #	
CITY Bucyrus			DRIVER		TRUCK #	
STATE KS			DRIVER		TRUCK #	
ZIP CODE			DRIVER		TRUCK #	
JOB TYPE <u>long string</u>			HOLE SIZE <u>9 1/4</u>		HOLE DEPTH <u>545</u>	
CASING DEPTH <u>540</u>			DRILL PIPE		TUBING	
SLURRY WEIGHT			SLURRY VOL		WATER gal/sk	
DISPLACEMENT <u>22 bbl</u>			DISPLACEMENT PSI		MIX PSI	
					CEMENT LEFT in CASING <u>yes</u>	
					RATE <u>4 bpm</u>	
REMARKS: <u>Established rate. Mixed & pumped 200# gel to flush hole followed by 16 bbl dye marker. Mixed & pumped 87 sq 5052 poz, 2 gal gel. Circulated dye to surface. Displaced casing with 22 bbl clean water. Circulated cement to surface. Closed valve.</u>						

Alan Maden

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	368	925.00
5406	10	MILEAGE	368	36.50
5402	340'	Casing footage	368	
5407A	1/2 min	perm mileage	237	157.50
1118B	341#	gel		57.97
424	82.5x	50150 poz		799.50
				1976.47
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			6.55%	36.17
			SALES TAX	36.17
			ESTIMATED	
			TOTAL	2032.64

Mark Michelle

AUTHORIZATION P
 CONSERVATION DIVISION
 WICHITA, KS

TITLE 223650

DATE 7/28/08

Geological Report

Batson # 4-1

1470 FNL, 2310 FEL
Section 1-T16-R24E
Miami Co., Kansas
API# 15-121-28601-0000
Elevation: 998' GL
Drilling Contractor: Osborn Energy, L.L.C (Lic. # 32294)
Spud: 7/7/2008
Production Bore Hole: 9 1/4"
Rotary Total Depth: 557' on 7/9/08, will set casing, then drill out. Final TD: 688' on 7/17/2008
Drilling Fluid: air
Surface Csg.: 10 3/4" set to 20'
Production Csg.: 7" set to 540'
Geologist: Curstin Hamblin

<u>Formation</u>	<u>Driller Log Tops</u>		<u>Datum</u>
Stark Shale	261-263'	3	737
Hushpuckney Shale	292-294'	3	706
Base Kansas City	314'		
Knobtown Sand	No call		
Carbonaceous Zone in Tacket Fm.	No call		
"Big Lake" Sand	'		
South Mound Zone	482-487'	6	516
Hepler (Wayside) Sand	No call		
"Upper" Mulberry Zone	No call		
Mulberry Zone	No call		
Weiser Sand	'		
Myrick Station	536-546'		
Anna Shale (Lexington Coal Zone)	547-550'	4	451
Peru Sand	No call		
Summit Shale Zone	585.5-590'	4.5	412.5
Mulky Coal/Shale Zone	616.5-625'	8.5	381.5
Squirrel Sand	626'		
Rotary Total Depth	688'		

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Drilling at 98' in the Kansas City on 7/8/2008
Background Gas (BG) 8.9 units

98-107: SH: grey, silty
108-117: SH: grey, silty
118-127: SH: grey, silty
128-137: SH: grey, silty, LS: 136: brown
138-147: LS: grey
148-157: SH: grey
158-167: SH: grey, 166: dk grey almost black shale, LS: white, grey
168-177: SH: grey, silty
178-187: SH: grey, silty, LS: 25%, tan
188-197: SH: grey, silty
198-207: SH: grey, silty
208-217: LS: grey, white
218-227: SH: grey, silty, gummy
228-237: SH: grey, gummy
238-247: SH: 50% grey, LS: 50%, white, grey
248-257: LS: white, lots of inclusions

STARK FORMATION Geologist called @ 261-263', no gas kick
Connection gas kick of 27.9 units
**Stark didn't give any water

258-267: SH: black, dk grey
262; very poor gas in the samples, after letting sit for 5 minutes, a few gas bubbles gathered on the edges
268-277: LS: white, lots of inclusions
278-287: LS: white

HUSHPUCKNEY SHALE Geologist called @292-294', No gas kick
****GAS TEST @297' , No Gas****

Bg running at 4.9 units

293: poor gas in the samples, after samples sit for 5 minutes, still poor gas in the samples

288-297: LS: white, grey, SH: black, dk grey
298-307: LS: white, SH: grey/green
308-317: SH: grey, gummy, LS: tan, grey
318-327: SH: grey, gummy, silty, SS: 2% grey
328-337: SH: grey, gummy, Pyrite: 1%
338-347: SS: grey, medium grained
348-357: SH: grey, silty, some gummy, SS: grey, fine to medium grained
358-367: SH: grey, silty
368-377: SS: grey, fine grained
378-387: SH: grey, silty
388-397: SH: grey, silty
398-407: SH: grey, silty
408-417: SH: grey, silty, some is gummy
**Stopped drilling at 2600 pm at 417' due to storms
**Started drilling at 7:31am at 418'--Started drilling with water.

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When Brian got here this morning, the hole was full of water. Until 417' we were drilling dry due to the lack of water. One of the formations must have given up the water over night.

418-427: SH: grey, 2% very dk grey, LS: 20% tan

428-437: SH: grey, Coal: 3% (~~Black Formation~~), SS: 20% grey, medium to large grained

438-447: SS: grey, large grained, Coal: 5%, SH: 20%, grey

448-457: SH: grey, SS: 20% grey, medium to large grained

458-467: SH: grey, silty, gummy, SS: 10%, grey

468-477: SH: grey, silty, gummy, Pyrite: 1%

SOUTH MOUND ZONE Geologist called @482-487', No gas kick, did lighter test,
****GAS TEST @497', 0 MCF Total****

~~488-497: fair gas in the samples, after letting sit for 5 min, fair gas bubbles~~

478-487: SH: grey, black, dk grey

488-497: SH: black, we lost circulation due to trash getting into the water hose, we only ended up with 15 feet of samples instead of 20

498-507: SH: grey, some very dk grey, looks black to naked eye

508-517: SH: grey, very dk grey ~~very dk grey, shale has poor gas in the samples~~

518-527: SH: grey, Coal: 5%, good gas in samples

528-537: LS: 60% white/tan, SH: grey, gummy, Coal: 2%

538-547: LS: 80% brown, SH: black, Coal 1%

LEXINGTON COAL ZONE Geologist called @547-550', no gas kick

****GAS TEST @557', 22 MCF 22 Total****

547: Shale and coal. Fair gas bubbles, some very good, the coal was not the best. After sitting 5 minutes, good gas bubbles on all surfaces.

548-557: SS: 60%, grey, large grained, SH: grey, black, Coal: 5%, LS: 20%, grey

Start drilling at 557' on 7/16/2008

558-567: LS: tan, 90%, SH: 10%, grey, gummy

568-577: SH: 572: grey, gummy, LS: tan

SUMMIT SHALE ZONE Geologist called @585.5-590', no chromatograph, getting fixed

****GAS TEST @597', 0 MCF 22 Total ****

585.5: good gas in samples, almost all samples are covered with gas bubbles

578-587: SH: very dk grey, Pyrite: 5-10% (more than normal)

588-597: SH: grey, black, LS: lt grey

598-607: SH: grey

MULKY COAL/SHALE ZONE Geologist called @616.5-625', no chromatograph, getting fixed

****GAS TEST @617', 0 MCF 22 Total ****

617: fair gas in the samples

608-617: SH: black, grey/limy shale

619: fair to good gas in samples

621: fair to very good gas in samples

624: Coal mainly, very good gas in samples

618-627: SH: black and very dk grey, very little pyritic growth

SQUIRREL SAND Geologist called @626'

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628-637: SS: grey, limy sandstone
Stopped drilling at 637, need a 50' rathole below the mulky

****GAS TEST @637' , 0 MCF 22 MCF Total ****

Started drilling at 8:20am on 7/17/2008 at 638'
641-643: black shale, good gas in samples
645: dk grey shale, poor gas in samples
638-647: SH: black, and very dk grey, SS: 10%, grey
648-657: SH: very, very dk grey, looks black to the naked eye, has banded black stripes going through it.

****GAS TEST @657' , -5 MCF 22 MCF Total ****

658-667: SS: medium to large grained, grey
666-667: Coal
668-677: SH: grey, gummy, LS: 5% tan, SH: black
675-676: black shale
678-687: SH: grey, LS: grey, Coal: 680

Total Rotary Depth, 688

****GAS TEST @688' , 0 MCF 22 Total, open flow was 16 ****

Summary:

Stark:	0 MCF
Hushpuckney:	0 MCF
South Mound:	0 MCF
Lexington:	22 MCF
Summit:	0 MCF
Mulky:	0 MCF
<u>Total</u>	<u>22 MCF</u>

Formation Tops of Surrounding Wells:

	Batson 4-1	Gangel 3-1	Hop. 1-1	Vohs 1-1	Vohs 2-1	Hop. 16-1
Elev:	998	998	990	1059	997	1026
Stk:	261	236	236	319	265	267
Hush:	292	266	266	347	294	299
BKC:	314	297	284	367	314	318
SM:	482	460	452	535	490	484
Lex:	547	---	505	606	---	552
Sum:	585.5	565	544	652	600	586
Mulky:	616.5	600	569	681	628	614

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