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ORIGINAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

9/09/10

Operator: License # 32294
 Name: OSBORN ENERGY, LLC
 Address: 24850 FARLEY
 City/State/Zip: BUCYRUS, KS 66013
 Purchaser: AKAWA NATURAL GAS, LLC
 Operator Contact Person: JEFF TAYLOR
 Phone: (913) 533-9900
 Contractor: Name: OSBORN ENERGY, LLC
 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. _____

8/19/2008	8/21/2008	8/27/2008
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 121-28644-0000
 County: Miami
S2 - S2 - NW Sec. 3 Twp. 16 S. R. 25 East West
2970 feet from (S) N (circle one) Line of Section
3960 feet from (E) W (circle one) Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 (circle one) NE (SE) NW SW
 Lease Name: Kalcic Well #: 5-3
 Field Name: Louisburg
 Producing Formation: MARMATON AND CHEROKEE
 Elevation: Ground: 1034 Kelly Bushing: _____
 Total Depth: 597 Plug Back Total Depth: _____
 Amount of Surface Pipe Set and Cemented at 21.50' Feet
 Multiple Stage Cementing Collar Used? Yes No
 If yes, show depth set _____ Feet
 If Alternate II completion, cement circulated from 0
 feet depth to 451 w/ 76 sx cmt.
 Drilling Fluid Management Plan Alt II NH 11-25-08
 (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 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: 9.9.08
 Subscribed and sworn to before me this 9th day of September,
 2008.
 Notary Public: Jane Brewer
 Date Commission Expires: _____

Jane Brewer
 Notary Public
 State of Kansas
 My Commission Expires 3-23-11

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

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Operator Name: OSBORN ENERGY, LLC Lease Name: Kalcic Well #: 5-3
 Sec. 3 Twp. 16 S. R. 25 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 <div style="text-align: center;"> KCC SEP 09 2008 CONFIDENTIAL </div>
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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"		21.50'	PORTLAND	6	WATER
PRODUCTION	9 1/4"	7"		451'	50/50 poz	76	premium 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		Acid, Fracture, Shot, Cement Squeeze Record		Depth
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)		

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TUBING RECORD		Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr.			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 Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

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

CONSOLIDATED OIL WELL SERVICES, INC.
 P.O. BOX 884, CHANUTE, KS 66720
 820-431-8210 OR 800-487-8676

TICKET NUMBER 16360
 LOCATION Ottawa KS
 FOREMAN Cassey Kennedy

TREATMENT REPORT & FIELD TICKET
 CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8/27/08	6073	Kalcic #5-3	3	16	25	MI
CUSTOMER Osborn Energy LLC			TRUCK #			
MAILING ADDRESS 24850 Farley			DRIVER			
CITY Bucyrus		STATE KS	TRUCK #		DRIVER	
		ZIP CODE 66013	495		cassey	
			510		Garb	

JOB TYPE Long string HOLE SIZE 9 1/4 HOLE DEPTH _____ CASING SIZE & WEIGHT 7"
 CASING DEPTH 4540 DRILL PIPE _____ TUBING 3/4" - 451' OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING -
 DISPLACEMENT 11A DISPLACEMENT PSI _____ MIX PSI _____ RATE 1 BPM

REMARKS: Mix + Pump 100# Premium Gal Flush, Mix Pump
67 sks 50/50 Per Mix Cement + 10 3/4" Tubing
Cement to Surface. Pull 3/4" Tubing. Tap off well
w/ 10 sks Cement.

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 Fuel Meter

Customer Supplied water. CONFIDENTIAL

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE Cement Pump	495	925.00
5406	40 mi	MILEAGE Pump Truck	495	146.00
5407	Minimum	Ten Mileage	510	315.00
1124	76 sks	50/50 Per Mix Cement		741.00
1118B	229 #	Premium Gal		30.00
Sub Total				2165.00
Tax @ 6.55%				51.07

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SALES TAX
 ESTIMATED TOTAL 2217.07
 DATE

AUTHORIZATION [Signature] TITLE 225240

Geological Report

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Kalcic # 5-3

2970 FSL, 3960 FEL
Section 3-T16S-R25E
Miami Co., Kansas
API# 15-121-28644
Elevation: 1034' GL
Drilling Contractor: Osborn Energy, L.L.C (Lic. # 32294)
Spud: 8/19/2008
Production Bore Hole: 9 1/4"
Rotary Total Depth: 597' on 8/21/2008
Drilling Fluid: air
Surface Csg.: 10 3/4" set to 21.50
Production Csg.: 7" set to 451'
Geologist: Curstin Hamblin
Driller: Brian Schwab

<u>Formation</u>	<u>Driller Log Tops</u>	<u>Datum</u>
Stark Shale	188-190'	846
Hushpuckney Shale	217-221'	817
Base Kansas City	238'	796
Knobtown Sand	Not well developed	
Carbonaceous Zone in Tacket Fm.	345'	
"Big Lake" Sand	353'	
South Mound Zone	418-424'	616
Hepler (Wayside) Sand	No call	
"Upper" Mulberry Zone	No call	
Mulberry Zone	No call	
Weiser Sand	No call	
Myrick Station	458-460'	576
Anna Shale (Lexington Coal Zone)	461-464'	573
Peru Sand	470'	564
Summit Shale Zone	502-505'	532
Mulky Coal/Shale Zone	527-535'	507
Squirrel Sand	547'	487
Rotary Total Depth	597'	

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Drilling at 158' in the Kansas City on 8/20/2008

158-167: LS: grey
168-177: LS: white/grey, SS: limey, dk grey
178-187: LS: grey, white

STARK FORMATION driller called @ 188', gas kick of 10 units over bg
****GAS TEST @197' 0 MCF, ****

188-197: SH: black, grey, LS: grey
190: dk grey shale, very poor gas in the samples
Connection gas of 27 units
198-207: LS: white/lt. grey
208-217: LS: white/pink, SH: grey

HUSHPUCKNEY SHALE Geologist called @217', kick of 100 units over BG
****GAS TEST @237', puff of gas, not enough to test****

Hushpuckney gave up enough water that we are drilling with water now
218-227: SH: grey, gummy, black, LS: 10% white/pink
219: SH: black, dk grey, fair to good gas in the samples
228-237: SH: grey, gummy, some dk grey
Connection gas kick of 200 units
238-247: SS: grey/green, fine grained
248-257: SS: grey, gummy, fine grained
Connection gas of 80 units
258-267: SS: very fine grained, shaley, and fine grained
268-277: SS: grey, fine grained
278-287: SS: grey, gummy, fine grained
288-297: SS: very fine grained, SH: grey, gummy
298-307: SS: grey, limey, gummy
308-317: SS: grey, gummy, very fine grained
318-327: SS: grey, fine grained, gummy
328-337: SS: grey, fine grained, gummy
338-347: SH: grey, gummy, silty, Coal (Carbonaceous zone)
348-357: SS: medium to large grained, some oils shows

... could say it was a little less than the Morrissey wells
we drilled. I do not know the thickness. Only a 4 unit kick on the
chromatograph.

Connection gas of 12 units
358-367: SS: grey, fine grained
368-377: SS: grey, fine grained
378-387: SS: grey, fine grained
388-397: SS: grey, very fine grained, gummy
398-407: SS: grey, very fine grained, gummy
408-417: (412-417) dk grey shale, almost black: SH: grey, gummy, dk grey
Stopped drilling at 417: at 6:10pm on 8/20/2008
Started drilling at 6:50am on 8/21/2008

SOUTH MOUND ZONE Geologist called @418', gas kick of 71 units over BG
****GAS TEST @4437', 0 MCF, open flow was too small to measure****

418-427: SH: black, dk grey limey
422: dk grey shale/black shale, good gas in the samples
428-437: SH: grey, gummy, silty, some black,
Connection gas over 1000 units
438-447: LS: lt. brown, SH: grey, silty, gummy
448-457: LS: lt grey, SH: grey, some coal

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Connection gas of 878 units over bg

LEXINGTON COAL ZONE Geologist called @461', kick of 360 units over BG
****GAS TEST @477', 31 MCF, 31 MCF open flow, 31 MCF Total****

Gas kick of 360 units

458-467: Coal: 40%, SH: black, SS: grey, large grained, LS: brown.

458-460, LS: brown/grey 461-464: SH: black, dk grey

463: black shale, very good gas in the samples

Lexington came in 25' high

468-477: SS: large grained, grey, LS: white, SH: some grey and some black

478-487: LS: 479-487: white, SH: grey, gummy

488-497: LS: white/grey, SH: grey, gummy

SUMMIT SHALE ZONE Geologist called @502', kick of 200 units over BG

****GAS TEST @517', 0 MCF, 27 MCF open flow, 31 MCF Total ****

503: very, very good gas in the samples

498-507: SH: black, grey, gummy

508-517: SH: grey, gummy, LS: grey, SS: grey

MULKY COAL/SHALE ZONE Geologist called @527', kick of 460 units over BG

****GAS TEST @537', 45 MCF, 72 MCF open flow, 76 MCF Total ****

Picked up some water, not a lot, but some

528: very, very good gas in the samples, some of the best I have ever seen!

518-527: SH: grey, gummy, LS: brown, SH: small amount of black

532: Still very good gas in the samples, black shale, dk grey shale, and coal

528-537: SH: black, dk grey, coal

SQUIRREL SAND Geologist called @547'

****GAS TEST @557', 0 MCF, 62 open flow, 76 MCF Total ****

538-547: SS: grey, medium to large grained, pyrite, some black shale

548-557: SS: grey, medium to large grained

Connection gas kick of over 1000 units

558-567: SS: grey, medium to large grained, speckled, pyrite, some coal

568-577: SS: grey, medium to large grained, speckled, pyrite

578-587: SS: grey, medium to large grained, speckled, pyrite, some coal

588-597: SS: grey, medium grained, speckled, pyrite, some coal, SH: grey/green, gummy

Total Rotary Depth, 597'

****GAS TEST @ 597', 69 MCF open flow, 76 total Total ****

The test started out at 54 MCF, then it slowly crept up to 69 MCF and leveled out.

We are making some water.

Summary:

Stark: 0 MCF

Hushpuckney: 0 MCF

South Mound: too small to measure

Lexington: 31 MCF

Summit: 0 MCF

Mulky: 45 MCF

Total: 76 MCF total

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Structural comparison of wells in the area

	Kalcic 5-3 1034		Kalcic 4-3 1083		Kalcic 6 1014	
	Top	datum	top	datum	top	datum
Stark:	188	846	234	849	178	836
Hushpuckney	217	817	261	822	210	804
BKC:	238	796	280	803	227	787
South Mound:	418	616	455	628	398	616
Lexington:	461	573	516	567	461	553
Summit:	502	532	548	535	505	509
Mulky:	527	507	576	507	533	481

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