

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
September 1999
Form Must Be Typed

1/8/10

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

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: Jeff Taylor
Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SLOW 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. _____

12/18/2007 12/20/2007
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 121-28530-00-00
County: Miami

Sec. 1 Twp. 16 S. R. 24 East West
2310 SL _____ feet from S / N (circle one) Line of Section
1650 WL _____ feet from E / W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Hopkins Well #: 17-1
Field Name: Louisburg
Producing Formation: MARMATON AND CHEROKEE
Elevation: Ground: 987' Kelly Bushing: _____
Total Depth: 650' 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 0-510.81
feet depth to 20 w/ 6 sx cmt.

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Drilling Fluid Management Plan PH # MS 42709
(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: Curtis Haubei
Title: Geologist Date: 1-9-08
Subscribed and sworn to before me this 9th day of Jan

2008
Notary Public: [Signature]
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: Hopkins Well #: 17-1
 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 Yes No
 (Attach Additional Sheets)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy)
 List All E. Logs Run:

Log Formation (Top), Depth and Datum Sample
 Name Top Datum
 WELL LOG ATTACHED

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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	6	WATER
PRODUCTION	9 1/4"	7"		510.81	Consolidated	Ticket	Attached
LINER		4 1/2"					

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	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	
				Depth

TUBING RECORD Size Set At Packer At Liner Run Yes No

Date of First, Resumerd Production, SWD or Enhr. 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 Open Hole Perf. Dually Comp. Commingled Other (Specify) _____
 (If vented, Submit ACO-18.)

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Geological Report

Hopkins # 17-1

2310 FSL, 1650 FWL
Section 1-T16-R24E
Miami Co., Kansas
API# 121-28530
Elevation: 987' GL
Drilling Contractor: Osborn Energy, L.L.C (Lic. # 32294)
Spud: 12/18/2007
Production Bore Hole: 9 1/4"
Rotary Total Depth: 650'
Drilling Fluid: air
Surface Csg.: 10 3/4"
Production Csg.: 7"
Geologist: Curstin Hamblin

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<u>Formation</u>	<u>Driller Log Tops</u>	<u>Datum</u>
Stark Shale	244-246'	743'
Hushpuckney Shale	274-278'	713
Base Kansas City	296'	691'
Knobtown Sand	No call	
Carbonaceous Zone in Tacket Fm.	No call	
"Big Lake" Sand	406'	581'
South Mound Zone	458-460'	529'
Hepler (Wayside) Sand	No call	
"Upper" Mulberry Zone	No call	
Mulberry Zone	No call	
Weiser Sand	466'	521'
Myrick Station	506'	481
Anna Shale (Lexington Coal Zone)	516-518'	471'
Peru Sand	No call	
Summit Shale Zone	560-563'	427'
Mulky Coal/Shale Zone	586-597'	401'
Squirrel Sand	597'	390'
Rotary Total Depth	650'	337'

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Drilling at 116' in the Kansas City on 12/19/2007
Background Gas (BG) 3.0 units

116-126: LS: lt grey, SH: grey, gummy
126-136: LS: white, tan, grey w/ chert, SH: grey
136-146: SH: grey, some chert, some pyrite
146-156: SH: grey, chert
156-166: SH: grey, gummy, sm. Amt of Black
166-176: SH: grey, Siltsone
176-186: SH: grey, silty, banded, some is gummy
186-196: SH: grey/ LS: white
196-206: SH: grey, chert-grey/white
206-216: SH: grey, dk grey, gummy
216-226: LS: dk grey
226-236: Chert, some grey LS

STARK FORMATION Geologist called @ 244'

****GAS TEST @266', 0 MCF**

---245': no to poor gas bubbles
236-246: SH: black, some grey, chert
246-256: LS: lt grey, some white
256-266: LS: white, to lt grey

HUSHPUCKNEY SHALE Geologist called @274', kick to 7.1 units, 3.9 units over BG

****GAS TEST @291', 0 MCF****

275': fair to good gas bubbles-BG now at 4.4 units
266-276: LS: white to lt grey, SH: black
276-286: LS: grey, SH: some black, some grey
***no connection gas--

Stopped drilling at 3:40pm on 12/19/2007

Resumed drilling at 9:20am on 12/20/2007

BG running at 10.0 units

286-296: SH: gummy, grey, LS: some tan
296-306: SH: very silty, almost sandstone, grey & tan
306-316: SH: grey, very silty
316-326: SH: silty, grey, PYRITE
326-336: SH: silty, grey, gummy
336-346: SH: very silty, grey and gummy
346-356: SH: grey, very silty a little gummy
356-366: SH: grey, very silty, partially gummy
366-376: SH: grey, silty, some PYRITE
376-386: SH: grey, silty, gummy
386-396: SH: grey, slightly silty, a little gummy
396-406: SH: grey, gummy some black
406-416: SAND: white, grey, SH: some black, grey, Crinoid fossils

****GAS TEST @416', 0 MCF Total****

416-426: SH: silty, grey, SAND: grey, tan----small samples to look at
426-436: SH: silty, grey, some gummy, SAND: tan, Crinoid Fossils
436-446: SH: silty, grey, gummy---Small samples from rig
446-456: SH: grey, silty---Small rock samples from rig

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SOUTH MOUND ZONE Geologist called @458', gas kick to 31.8 units, 21.8 over BG
****GAS TEST @466', 22 MCF 22 MCF Total****

458': fair to good gas bubbles on samples

456-466: SH: grey, black w/ pyrite on it

****small amount of connection gas from 65 to 169 units

BG now at 21 units

466-476: SAND: white to pink, SH: grey, very silty, black---samples are crushed from the rig

476-486: SH: grey, black, SAND: white/pink

****GAS TEST @491', 0 MCF 22 MCF Total****

486-496: LS: white, some siltstone, SH: some black

496-506: LS: white/pink, crinoid fossils, SAND: occasionally

506-516: LS: white/pink, SAND: some grey, SH: some silty grey

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LEXINGTON COAL ZONE Geologist called @516', kick to 27.5 units, 6.5 over BG

****GAS TEST @541', 0 MCF 22 Total****

516-526: SH: grey, black, SAND: grey, LS: lt grey

****the samples from the rig are very small and very few

***Very poor gas bubbles

BG running at 29.3 units

526-536: LS: white/tan, SH: grey, black, SAND: tan/grey, Crinoid fossils--small samples

536-546: LS: lt grey tan, SH: some grey, some black

546-556: LS: white, SH: some grey, some black

SUMMIT SHALE ZONE Geologist called @560', kick to 58.4 units, 29.1 over BG

****GAS TEST @566', 9 MCF 31 MCF Total ****

BG running at 43.2

560': gas bubble are fair to almost good

556-566: SH: grey, black, LS: white

566-576: SH: grey, some black, LS: some tan

MULKY COAL/SHALE ZONE Geologist called @586', kick to 804.2 units, 761 over BG

****GAS TEST @566', 144 MCF 175 MCF Total ****

***we picked up some water

588': gas bubbles are good to very good

576-586: SH: grey, some black

586-596: SH: grey, black, PYRITE, SAND: grey

SQUIRREL SAND Geologist called @597'

****GAS TEST @616', 18 MCF 162 MCF Total for mulky, 193 MCF total ****

596-606: SAND: grey, tan, PYRITE, SH: some black

606-616: SAND: grey, PYRITE, SH: some black

616-626: SAND: grey, PYRITE, SH: grey, LS: some grey

626-636: SAND: grey, LS: white, SH: grey

636-650: SAND: grey, black, LS: some white

Total Rotary Depth, 650'

****GAS TEST @650', 188 MCF Total ****

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Stark:	0 MCF
Hushpuckney	0 MCF
South Mound	22 MCF
Lexington	0 MCF
Summit	9 MCF
Mulky	162 MCF
Total	193 MCF

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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

15934

LOCATION

~~Osborn~~ Ottawa

FOREMAN

Alan Made

TREATMENT REPORT & FIELD TICKET
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
1-2-08		Hickory 17-1	1	11	24	M.
CUSTOMER Osborn Energy			TRUCK #		DRIVER	
MAILING ADDRESS Fowler			503		Alan M	
CITY			50517106		Ken H	
STATE			511		Kiana J	
ZIP CODE			CONFIDENTIAL IAN 08 2008 KCC			

JOB TYPE plug HOLE SIZE 9 1/4 HOLE DEPTH 175 CASING SIZE & WEIGHT 7"
 CASING DEPTH 506 DRILL PIPE _____ TUBING _____ OTHER type B pipe
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 10
 DISPLACEMENT 21 bbl DISPLACEMENT PSI 50 MIX PSI 200 RATE 4 bpm

REMARKS: 5 Hat cement with water 100 gal with 200 PSI
Mix + cement 500 gal to flow hole followed by 15 bbl
500 gal water Mix + cement 500 gal 50150 psi 200
gal 500 gal water 100 PSI cement circulated down to surface
500 gal cement with 21 bbl clean water circulated
5 bbl cement to surface set float

Alan Made

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5421	1	PUMP CHARGE	875.00	875.00
5406	410	MILEAGE	1.13	463.30
5422	506	fuel charge	0.25	126.50
5407		fuel charge	5.00	5.00
5410	272	50517106	0.70	190.40
1137A		Phenol		
1137A		water		
1137B		oil		
1137C		50150 psi		
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				SALES TAX
				ESTIMATED TOTAL

AUTHORIZATION

TITLE

DATE