

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

1/8/10

Form ACO-1
September 1999
Form Must Be Typed

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: Curstin Hamblin

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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. _____

12/21/2007	12/27/2007	
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 121-28529-00-00
County: Miami
 NW SE NW Sec. 1 Twp. 16 S. R. 24 East West
1650 NL 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 #: 16-1
Field Name: Louisburg
Producing Formation: MARMATON AND CHEROKEE
Elevation: Ground: 1026 Kelly Bushing: _____
Total Depth: 675 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at 20.6 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from 0-481
feet depth to 20 w/ 6 sx cmt.

Drilling Fluid Management Plan 44742789
(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: 1-9-08
Subscribed and sworn to before me this 9th day of Jan
20 08
Notary Public: Jane Brewer
Date Commission Expires: _____

Jane Brewer
Notary Public
State of Kansas
My Commission Expires 3-28-11

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 #: 16-1
 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"		481	Consolidated	Ticket	Attached
LINER							

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 WC Water Bbls. Gas-Oil Ratio Gravity

Disposition of Gas Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

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Geological Report

Hopkins # 16-1

1650 FNL, 1650 FWL
 Section 1-T16-R24E
 Miami Co., Kansas
 API# 121-28529
 Elevation: 1026' GL, according to KCC
 Drilling Contractor: Osborn Energy, L.L.C (Lic. # 32294)
 Spud: 12/21/2007
 Production Bore Hole: 9 1/4"
 Rotary Total Depth: 675' on 12/27/2007
 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	267-273'	6'	759'
Hushpuckney Shale	299-303'	4'	727'
Base Kansas City	318'		708
Knobtown Sand	No call		
Carbonaceous Zone in Tacket Fm.	No call		
"Big Lake" Sand	440'		586'
South Mound Zone	484-486'	2'	542'
Hepler (Wayside) Sand	No call		
"Upper" Mulberry Zone	No call		
Mulberry Zone	No call		
Weiser Sand	not developed		
Myrick Station	527'		499'
Anna Shale (Lexington Coal Zone)	552-558'	6'	474'
Peru Sand	No call		
Summit Shale Zone	586-590'	4'	440'
Mulky Coal/Shale Zone	614-625'	11'	412'
Squirrel Sand	627'		399'
Rotary Total Depth	675'		351'

Stark	0 MCF
Hushpuckney	0 MCF
South Mound	16 MCF
Lexington	0 MCF
Summit	0 w/ kicks to 70 MCF
Mulky	41 MCF
Total	126 MCF

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Drilling at 117' in the Kansas City on 12/26/2007
Background Gas (BG) 9.2 units

117-127: SH: grey, a little gummy
127-137: SH: grey, silty
137-147: 137-142, SH: grey, 142-147, LS: white, lt grey, tan
147-157: LS: lt grey, some white
157-167: SH: dk grey, silty
167-177: LS: lt grey, white, SH: some dk grey, occ. Black
177-187: SH: grey, a piece of pyrite
187-197: SH: grey, silty, LS: some tan
197-207: SH: grey, some very silty and larger grained
207-217: SH: grey, siltstone, SAND: some, LS: some tan
217-227: LS: grey, white
227-237: SH: grey, dk, a little gummy
237-247: LS: dk grey 90%, SH: some grey
247-257: LS: white, lt grey, dk grey
257-267: LS: white, some fossils

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STARK FORMATION Geologist called @ 267', gas kick to 11.2 units, 2.3 over BG

****GAS TEST @ 292', 0 MCF****

***poor gas bubbles in samples, BG running at 9.4

273': switched to water

267-277: SH: black, grey, LS: lt grey

277-287: LS: lt grey, SH: some grey

Connectivity gas to 11.6, 3.4 above BG

287-297: LS: white, lt grey, some fossils

HUSHPUCKNEY SHALE Geologist called @ 299', kick to 26.0 units, 16.3 over BG

****GAS TEST @ 317', 0 MCF****

300': very poor gas bubbles, bg running at 14.5

297-307: LS: white, lt grey, SH: dk grey, black

307-317: LS: lt grey to white, SH: some grey

Connection gas to 37.3, 22.8 units above BG, now running at 17.5

BKC-318'

317-327: SH: grey, some gummy, LS: pink, PYRITE, some

327-337: SH: grey, silty, gummy

337-347: SH: grey, silty, gummy, PYRITE, FOSSILS: gastropods

347-357: SH: grey, silty

357-367: SH: grey, silty, SAND: very little amount

367-377: Siltstone/Sand: dk grey

377-387: Siltstone, dk grey

387-397: Siltstone, grey

397-407: SH: grey, siltstone

407-417: SH: grey, very gummy

417-427: SH: grey, some gummy, FOSSILS: crinoid stems

427-437: SH: grey, gummy, some siltstone, SAND: some, very little

437-447: SH: grey, SAND: tan

447-457: SH: grey, silty, SAND: very little tan, SH: very little black

457-467: Siltstone, grey

467-477: SH: grey, silty

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SOUTH MOUND ZONE Geologist called @ 484', gas kick to 27.2 units, 9.7 over BG

****GAS TEST @ 492' , 16 MCF Total****

*** poor gas bubbles, bg running at 27.7
477-487: SH: grey, some black
487-497: SH: grey, black, PYRITE
492-497: black shale
497-507: LS: 80% tan, lt grey, SH: grey, silty
507-517: LS: lt grey, white, SH: lt grey 516'-hard lime
517-527: LS: white, lt grey, SAND: some, 30%
527-537: LS: white, tan, SAND: 10%

WEISER SAND-not developed

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

LEXINGTON COAL ZONE Geologist called @552', kick to units, over BG

****GAS TEST @567' , 0 MCF Total****

**** very small samples to look at
544': poor to fair gas bubbles
537-547: SH: black, grey, silty, LS: white, lt grey, PYRITE
547-557: 50/50 SAND: SH: black
557-567: LS: white, lt grey, SAND: lt grey 80/20

****GAS TEST @567' , 0 MCF Total ****

Stopped drilling at 5:05 on 12/26/2007 at 567'
Resumed drilling at 11:21am on 12/27/2007 at 567'
**the chromatograph is not working we tried to thaw it for 1 hr 30min before we decided to drill anyway

567-577: SH: grey, some silty

SUMMIT SHALE ZONE Geologist called @ 586'

****GAS TEST @592' , 0 MCF with kicks to 70 MCF Total ****

586': good gas bubbles
577-587: SH: grey, black, some pyrite
587-597: SH: grey, black, silty, LS: lt grey, tan
597-607: SH: grey, some black, LS: lt grey

****GAS TEST @602' , 0 MCF ****

MULKY COAL/SHALE ZONE Geologist called @ 614'

****GAS TEST @642' , 41 MCF, 126 MCF Total ****

617': fair to good gas bubbles
607-617: SH: black, LS: lt grey
**picked up water
617-627: SH: black, very little coal, SAND: grey 30%

SQUIRREL SAND Geologist called @ 627'

627-637: SAND: grey, some black shale
637-647: SAND: grey, SH: grey, some black, CRINOID fossils
647-657: SAND: grey, SH: grey, some black, CRINOID fossils
657-667: SAND: grey, biotite, pyrite, SH: some grey, black
667-675: SAND: grey, pyrite, SH: grey

Total Rotary Depth, 675', on 12/27/2007

****GAS TEST @675' , 27 MCF Total ****

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WICHITA, KS

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

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TICKET NUMBER 15935
 LOCATION Ottawa
 FOREMAN Alan Malar

KCC

TREATMENT REPORT & FIELD TICKET
 CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
1-2-08		Hickory 11-1	1	1	24	MI
CUSTOMER <u>Debra Energy</u>			TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS			516	Alan M		
CITY <u>Bucyrus</u>			63	112		
STATE <u>Ks</u>			122126	Ken H		
ZIP CODE			823	Eric G		

JOB TYPE long term HOLE SIZE 9 5/8 HOLE DEPTH 650 CASING SIZE & WEIGHT 7'
 CASING DEPTH 451 DRILL PIPE _____ TUBING _____ OTHER Type B pipe
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT 72 gpm DISPLACEMENT PSI _____ MIX PSI _____ RATE 4 bpm

REMARKS: Loaded 300 lbs of cement with 500 gal water mixed + pumped
300 feet to float valve followed by 13 1/2 gal of cement
mixed + pumped at 52100 psi. Total = 100 gal, 1 1/2
phenol. Circulated down to surface. Displaced casing
70 gal down. Circulated 5 1/2 gal cement to
float. Set float

Alan Malar

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE		2500
5406		MILEAGE		-
5402	151	Casing footage	1.65	-
5407		24 lease	23	-
55016	2 1/2	1000000	525.1106	260.70
1127A		1127A		
1128A		1128A		
1126		1126		
11		112022		
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6.55				
SALES TAX				
ESTIMATED				
TOTAL				

AUTHORIZATION _____

TITLE _____

DATE _____