

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

8/19/09

Form ACO-1
October 2008
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

OPERATOR: License # 32294

Name: Osborn Energy, L.L.C. **CONFIDENTIAL**

Address 1: 24850 Farley AUG 19 2009

Address 2:

City: Bucyrus State: KS Zip: 66013 **KCC**

Contact Person: Curstin Hamblin

Phone: (913) 533-9900

CONTRACTOR: License # 32294

Name: Osborn Energy, L.L.C.

Wellsite Geologist: Curstin Hamblin

Purchaser: Akawa Natural Gas, L.L.C.

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil SWD SIOW
- Gas ENHR SIGW
- CM (Coal Bed Methane) Temp. Abd.
- 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. Conv. to SWD

Plug Back: Plug Back Total Depth

Commingled Docket No.:

Dual Completion Docket No.:

Other (SWD or Enhr.?) Docket No.:

8/10/2009 8/12/2009 8/13/2009

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - 121-28720-0000

Spot Description: NW4 Sec. 22 T16S R25E

N2 SW NW Sec. 22 Twp. 16 S. R. 25 East West

3040 Feet from North / South Line of Section

330 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Miami

Lease Name: Garvey Well #: 1-22

Field Name: Louisburg

Producing Formation: Marmaton

Elevation: Ground: 985 Kelly Bushing:

Total Depth: 719 Plug Back Total Depth:

Amount of Surface Pipe Set and Cemented at: 670 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: Feet

If Alternate II completion, cement circulated from: 670

feet depth to: surface w/ 100 sx cmt.

Drilling Fluid Management Plan *AF II NY 9-8809*
(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.

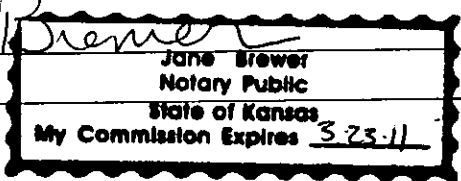
Signature: *Curstin Hamblin*

Title: Geologist Date: 8-19-09

Subscribed and sworn to before me this 19th day of August.

2009 Notary Public: *Jane Brewer*

Date Commission Expires:



KCC Office Use ONLY

Letter of Confidentiality Received

If Denied, Yes Date: _____

Wireline Log Received

Geologist Report Received

UIC Distribution

CONFIDENTIAL Side Two

Operator Name: Osborn Energy, L.L.C. AUG 19 2009 Lease Name: Garvey Well #: 1-22
Sec. 22 Twp. 16 S. R. 25 East West **KCC** 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 geologic well site report.

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Log Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Electric Log Run <i>(Submit Copy)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
List All E. Logs Run:			

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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	12 1/4"	8 5/8"		24.30'	portland	5	water
Production	6 3/4"	4 1/2"		670'	OWC	100	100# gel, dye, floseal

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
— Perforate				
— Protect Casing				
— Plug Back TD				
— Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed 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
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Geological Report

Garvey # 1-22

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3040 FSL, 330 FWL
Section: 22-T16S-R25E
N2-SW-SW-NW
Miami Co., Kansas

KCC

API#: 15-121-28720-0000
Elevation: 985' GL
Drilling Contractor: Osborn Energy, L.L.C (Lic. # 32294)
Spud: 8/10/2009
Production Bore Hole: 6 3/4"
Rotary Total Depth: 719 on 8/12/2009
Drilling Fluid: air
Surface Csg.: 8 5/8" @ 24.30' in 12 1/4" hole
Production Csg.: 4 1/2" set at 670' in 6 3/4" hole
Geologist: Curstin Hamblin
Driller: Brian Schwab

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<u>Formation</u>	<u>Geo Tops</u>	<u>Datum</u>
Stark Shale	92-94'	893
Hushpuckney Shale	122-124'	863
Base Kansas City	140'	845
Knobtown Sand	167'	818
Carbonaceous Zone in Tacket Fm.	No call	
"Big Lake" Sand	No call	
South Mound Zone	312-314'	673
Hepler (Wayside) Sand	No call	
"Upper" Mulberry Zone	333'	652
Mulberry Zone	No call	
Weiser Sand	360'	625
Myrick Station	379-382'	
Anna Shale (Lexington Coal Zone)	382-385'	603
Peru Sand	No call	
Summit Shale Zone	431-434'	554
Mulky Coal/Shale Zone	464-477'	521
Squirrel Sand	Absent	
Bevier Zone	532	453
Croweburg Zone	No call	
Fleming Zone	No Call	
Mineral Zone	No call	
Cattleman Sand	552'	433

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Scammon Zone	KCO	No call	
Tebo Zone		563-574'	422
Bartlesville A Sand		598'	387
Un Named Zone		No call	
Bartlesville B Sand		659-666'	326
Dry Wood Zone		No call	
Bartlesville C Sand		690-696'	295
Rotary Total Depth		719'	

Drilling at 59' in the Kansas City on 8/11/2009 at 1:00pm
Background Gas (BG)12 units

59-68: SH: grey, gummy, LS: grey
69-78: LS: lt grey, dk grey
79-88: LS: white, nodular

STARK FORMATION driller called @ 92-94', gas kick of 0 units over BG
94: SH: black, no gas in the samples
89-98: SH: dk grey, black, LS: grey
99-108: LS: lt grey
109-118: LS: grey

HUSHPUCKNEY SHALE Geologist called @122-124', gas kick of 0 units over BG
****GAS TEST @139', 0 MCF****

123: SH: black, poor gas in samples
119-128: LS: grey, dk grey, SH: black
129-138: LS: lt grey
BKC: 140
139-148: LS: grey, SS: small grained, grey
149-158: LS: lt grey, SS: lt grey, small grained, gummy
Driller smelt gas at 156, no ch kick

****GAS TEST @159', 0 MCF Total****

159-168: Siltstone: grey, SS: grey, bleeding

KNOBTOWN SAND Geologist called at 167, gas kick of 20 units

167: bleeding oil, gas kick of 20 units. SS: small grained, very firm, heavy odor

169-178: SS: heavy bleeding oil, small grained, don't see shale, but it gummy to the touch

172-176: heavy bleeding oil, small grained, medium firmness, feels shaley to the touch, fair breakout oil, but very dirty

****GAS TEST @179', 0 MCF Total****

179-188: Siltstone: grey
189-198: Siltstone: grey
199-208: Siltstone: grey, gummy
209-218: SH: grey, gummy
219-228: Siltstone: grey, gummy
229-238: Siltstone: grey, shaley
239-248: SH: grey, LS: brown
249-258: SH: grey, gummy, pyrite, SS: lt grey, small grained, gummy
Gas kick of 18 units
CG: 232 units
259-268: SH: grey, SS: medium grained, bleeding oil

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259-265: bleeding oil, not a clean sand, fair to good breakout oil
269-278: Siltstone: grey, gummy, shaley
CG: 394 units
****GAS TEST @279', 0 MCF Total****
279-288: Siltstone: grey, gummy, shaley
289-298: SH: grey
CG: 147 units
299-308: SH: grey, gummy, silty

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SOUTH MOUND ZONE Geologist called @312-314', gas kick of 60 units over BG

****GAS TEST @319', 10 MCF Total****

313: SH: black fair to poor gas in samples, the longer the samples sat in water, the better they looked
309-318: SH: grey, gummy
319-328: SH: grey, silty

MULBERRY COAL Geologist called at 333', gas kick of 773 units

****GAS TEST @339', 105 MCF, 115 open flow, 115 MCF Total****

*****Not mulberry, Gas, LS gas*****

Making some water

333: SH: black, Coal, good gas in samples. Very little samples, less than 1'

Below the mulberry is a limestone, sandyish, with slight bleeding oil. It is possible the gas came from the limestone

LS gave up some water

329-338: SH: grey, gummy, LS: beige, sandy, SH: black
339-348: SH: grey, LS: grey/brown
349-358: LS: white, pinkish

355: LS: bit sandy, very firm, bleeding oil, heavy odor, good breakout oil
BG running at 800 units. The chromatograph is turned to x8

****GAS TEST @359', 0 MCF, 115 open flow, 115 MCF Total****

WEISER SAND Geologist called at 360, no noticeable gas kick

359-368: SS: medium grained, greasy, bleeding oil, SH: grey, LS: white

360-361: SS: medium grained, bleeding oil, greasy, heavy odor, fair to poor breakout oil

369-378: SH: dk grey, silty, limey

LEXINGTON COAL ZONE Geologist called @382-385', gas kick of 128 units over BG

****GAS TEST @399', 17 MCF, 132 open flow, 132 Total****

383: SH: black, good to very good gas in samples
379-388: LS: brown, nodular, SH: black, Coal, SS: brown, medium grained, Pyrite
389-398: SS: brown, medium grained, pyrite, SH: grey, gummy
399-408: LS: grey, SH: grey
409-418: SH: grey, LS: grey
419-428: SH: grey, LS: grey

SUMMIT SHALE ZONE Geologist called @431-434', gas kick of 16 units over BG

****GAS TEST @439', 0 MCF, 115 open flow, 132 Total ****

431: SH: Black, no gas in samples
434: SH: black, poor gas in samples
429-438: SH: grey, black
439-448: LS: white, SH: grey

MULKY COAL/SHALE ZONE Geologist called @454-461 dk grey shale, 464-477 Black shale and coal', gas kick of 0 units over BG

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****GAS TEST @459', 0 MCF, 115 open flow, 132 MCF Total ****

456: SH: dk grey, no gas in samples
458: SH: dk grey, no gas in samples
460: SH: dk grey, no gas in samples
461: SH: dk grey, the dk grey shale ended, and then 2' of reg shale, then,
black shale at 464-477
464: SH: black, fair gas in samples
468: SH: black, poor to fair gas in samples

449-458: SH: grey, and dk grey
459-468: SH: dk grey, occ. Black, occ. Lt grey
469-478: SH: black, lots of coal, pyrite
475: Coal: EXCELLENT gas in samples!!!
2' of coal

****GAS TEST @479', 0 MCF, 115 open flow, 132 MCF Total ****

Stopped drilling at 6:00pm on 8/11/2009.

Started drilling at 6:30am on 8/12/2009

****GAS TEST @479', 47 MCF open flow ****

479-488: SH: grey, dk grey, occ. Coal, no SS
483-490: SH: v dk grey, poor gas in samples
489-498: SH: grey, gummy, dk grey, Siltstone, coal, 489: LS: lt grey
****GAS TEST @499', 22 MCF, 69 open flow, 154 MCF total ****

499-508: LS: lt grey, SH: grey, Coal (502)
509-518: SH: grey, SS: lt grey, small grained
519-528: SH: grey, gummy, some is silty

SQUIRREL SAND Geologist called no squirrel-absent

BEVIER ZONE - Geologist called at 532', gas kick of 0 units over by
529-538: SH: grey, dk grey, Coal, Pyrite (Bevier?)
539-548: SH: grey, dk grey, Siltstone, SS: white, small grained

CROWEBURG ZONE Geologist no call

FLEMING ZONE Geologist no call

MINERAL ZONE Geologist no call

CATTLEMAN SAND Geologist called at 552'

549-558: SH: grey, SS: white, small grained (cattleman?)
CG: 1100 units

SCAMMON ZONE Geologist no call

TEBO ZONE Geologist called at 563-574', gas kick of 0 units over by
****GAS TEST @ 579', 5 MCF, 74 open flow, 159 MCF Total ****

559-568: SH: grey, dk grey, SS: white, small grained
563-574: SH: dk grey/black
569: SH: dk grey, occ. Black, no gas in samples
569-578: SH: grey, black, coal: 574
579-588: SH: grey, dk grey, coal

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BARTELSVILLE A Geologist called at 598', gas kick of 0 units over bg

****GAS TEST @ 619' 0 MCF, 74 open flow ****

589-598: SH: grey, dk grey, SS: 598: banded, lt grey/dk grey, small grained

599-608: SS: grey/lt grey banded, SH: dk grey

609-618: SS: white/dk grey banded, small grained, SH: grey

619-628: Siltstone, SH: grey, Coal, LS: brown

629-638: SH: dk grey, limey, LS: brown

639-648: SH: dk grey, sandy

641: SH: dk grey, no gas in samples

649-658: SH: dk grey, sandy,

UN NAMED ZONE Geologist no call

BARTLESVILLE B Geologist called at 659-666', gas kick of 20 units over bg

653: SS: white, small grained, shaley

****GAS TEST @ 659' 0 MCF, 74 MCF open flow****

659-668: SS: white (659-666), SH: grey, sandy- gas kick of 20 units

669-678: SS: white, small grained, SS: banded, white and dk grey, SS: dk grey, shaley

****GAS TEST @ 679' 11 MCF, 85 MCF open flow, 170 MCF total****

679-688: Siltstone, SH: grey, sandy

DRYWOOD ZONE Geologist no call

BARTELSVILLE C Geologist called at 690-696', gas kick of 0 units over bg

****GAS TEST @ 719', 0 MCF, 85 MCF open flow, 170 total ****

689-698:

689: coal

690-696: SS: white, small-med grained

697-698: SH: dk grey

699-708: SH: dk grey, silty, SS: white, small grained

709-718: SH: dk grey, SS: dk grey, lt grey, small grained

Total Rotary Depth, 719 on 8/12/2009

****GAS TEST @ 719', 0 MCF, 85 MCF open flow, 170 total ****

Summary:

Stark:	0 MCF
Hushpuckney:	0 MCF
South Mound:	10 MCF
Mulberry:	105 MCF
Lexington:	17 MCF
Summit:	0 MCF
Mulky:	0 MCF
?:	22 MCF
Tebo:	5 MCF
<u>Bart B:</u>	<u>11 MCF</u>
Total:	170 MCF

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CONSOLIDATED
Oil Well Services, LLC

AUG 19 2009

TICKET NUMBER 20109

LOCATION Ottawa

FOREMAN Alan Mader

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
8-13-09	6073	Garvey 1-22	SW 22	16	25	MI
CUSTOMER <u>Osborn Energy</u>			TRUCK #			
MAILING ADDRESS <u>24850 Farley</u>			DRIVER			
CITY <u>By Cyrus</u>		STATE <u>KS</u>	ZIP CODE	TRUCK #		
			DRIVER			
			<u>516 Alan M</u>			
			<u>368 Ken H</u>			
			<u>510 Jason H</u>			

JOB TYPE long string HOLE SIZE 6 3/4 HOLE DEPTH 695 CASING SIZE & WEIGHT 4 1/2
 CASING DEPTH 689 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING yes
 DISPLACEMENT 10 3/4 DISPLACEMENT PSI _____ MIX PSI _____ RATE 46pm

REMARKS: checked casing depth. Mixed + pumped 100 # gel to flush hole followed by 3 bbl dye. Mixed + pumped 100 sx OWC cement with 1/4 # flo seal per sack. Circulated dye. Flushed pump. Pumped plug to casing ID. Well held 200 PSI. Set float. Circulated 3 bbl cement returns

Customer water

Alan Mader

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE		870.00
5406	3	MILEAGE		12.35
5402	689'	casing footage		
5407	min	ten miles		296.00
1107	25 #	Flo seal		49.25
1118B	100 #	gel	RECEIVED	16.00
1126	100 sx	OWC		1600.00
4404	1	4 1/2	AUG 21 2009	43.00
			KCC WICHITA	
		ND 230865		
			6.55	SALES TAX
				ESTIMATED
				TOTAL
				111.90
				2996.50

Rev'n 3737

AUTHORIZATION [Signature]

TITLE _____

DATE _____