

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
ACO-1 WELL HISTORY  
DESCRIPTION OF WELL AND LEASE

**CONFIDENTIAL**

Operator: License # 32294  
Name: Osborn Energy, L.L.C.  
Address 24850 Farley  
City/State/Zip Bucyrus, Kansas 66013  
Purchaser: Akawa Natural Gas, L.L.C.

Operator Contact Person: Steve Allee  
Phone (913) 533-9900

Contractor: Name: Layne Christensen Canada Limited  
License: 32999

Wellsite Geologist: Rex Ashlock

Designate Type of Completion  
 New Well  Re-Entry  Workover

Oil  SWD  SOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Reentry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Deepening  Re-perf.  Conv. to Inj/SWD  
 Plug Back  PBD  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Inj?)  Docket No. \_\_\_\_\_

6/4/2002 6/5/2002 waiting on completion  
Spud Date Date Reached TD Completion Date

API NO. 15- 121-27640-0000  
County Miami  
- SE - SE - NW Sec. 1 Twp. 16S Rge. 24  E  W

2976 Feet from (S)N (circle one) Line of Section

2988 Feet from (E)W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
NE, (SE) NW or SW (circle one)

Lease Name Hopkins Well # 1-1

Field Name Paola-Rantoul

Producing Formation Mississippian **CONFIDENTIAL**

Elevation: Ground 990' KB N/A

Total Depth 989 PBDT N/A

Amount of Surface Pipe Set and Cemented at 21 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set N/A Feet

If Alternate II completion, cement circulated from 989

feet depth to surface w/ 220 sx cmt.

Drilling Fluid Management Plan Alt 2 - Dg - 3/5/09  
(Data must be collected from the Reserve Pit)

Chloride content N/A ppm Fluid volume 500+/- bbls

Dewatering method used evaporation

Location of fluid disposal if hauled offsite:

Operator Name \_\_\_\_\_

Lease Name \_\_\_\_\_ License No. \_\_\_\_\_

Quarter Sec. Twp. S Rng. E/W

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 on 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 Steve Allee

Title Geologist Date 9-25-2002

Subscribed and sworn to before me this 25 day of September, 2002.

Notary Public Darline Lott

Date Commission Expires 12/17/2005

K.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Geologist Report Received  
Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other (Specify)

 **DARLINE LOTT**  
My Appt. Exp. 12/17/05

SIDE TWO

Operator Name Osborn Energy, L.L.C. Lease Name Hopkins Well # 1-1

Sec. 1 Twp. 16S Rge. 24  East  West  
 County Miami

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 during test. Attach extra sheet if more space is needed. Attach copy of log.

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: Dual Induction Log

Log Formation (Top), Depth and Datums  Sample  
 Name Top Datum  
 Drillers Log Attached

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 3/4"	10 3/4"	32.75	21'	Portland	13	3% CaCl2
Production	9 7/8"	7"	20	989'	Thixotropic	220	2% CaCl2

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 N/A Set At  Packer At  Liner Run  Yes  No

Date of First, Resumed Production, SWD or Inj. Waiting on completion Producing Method N/A  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours Oil N/A Bbls. Gas N/A Mcf Water N/A Bbls. Gas-Oil Ratio N/A Gravity N/A

Disposition of Gas: METHOD OF COMPLETION  Vented  Sold  Used on Lease (If vented, submit ACO-18.)  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) SIGW Production Interval

CONFIDENTIAL

ORIGINAL

### Driller Log

KCC

SEP 25 2002

CONFIDENTIAL

#### Hopkins #1-1

2976 FSL, 2988 FEL

Section 1-T16S-R24E

Miami, Co. Kansas

API #15-121-27640

Elevation: 990 GL, 993 KB (est. from Topo. Map)

Drilling Contractor: (Lic. #32999)

Spud: 6/04/2002

Surface: 13 3/4" bore hole, set 21' of 10 3/4" csg., cmt'd with 4 3/8" sx

Production bore hole: 9 7/8"

Rotary Total Depth: 989' on 6/05/02

Drilling fluid: Air, mudded to log.

E-Log Total Depth: 988'

Production Csg.: 7.00", 20#/ft., set at 989 feet, cmt'd with 220 sx.

RECEIVED  
KANSAS CORPORATION COMMISSION

SEP 27 2002

CONSERVATION DIVISION  
WICHITA, KANSAS

Note: The Open Hole E-logs were run to fast, too many feet per minute. When the "logger" was asked why, the response was, "That's the way we always do it" and "That's the way we are set up". Because of this, the logging tools do not have significant time to acquire accurate readings of bulk density from carbonaceous zones or other relative thin geological beds. What this amounts to, is the subject well (based on the log), will have significant less "net" pay than the off-set wells even though some of the carbonaceous zones had better shows of free gas and tested higher open flow gas.

<u>Formation</u>	<u>E-Log Top</u>	<u>Datum</u>
Stark Shale	236	757
Bethany Falls Limestone	242	751
Hushpuckney Shale	266	727
Base Kansas City	284	709
Mound City Shale Zone	284	709
"Upper" Knobtown Sand Zone	289	704
"Middle" Knobtown Sand	312	681
"Lower" Knobtown Sand	339	654
Carbonaceous Zone in Tacket Fm.	395	598
"Big Lake" Sand	400	593
South Mound Zone	452	541
Hepler (Wayside) Sand Zone	455	478
"Upper" Mulberry Zone	----	----
Mulberry Zone	478	515
Laberdie Limestone	481	512
Weiser Sand Zone	490	503
Anna Shale (Lexington Coal Zone)	505	488

Peru Sand	508	485
Summit Shale Zone	544	449
Mulky Coal/Shale Zone	569	424
"Upper" Squirrel Sand	578	415
"Middle Squirrel Sand	590	403
"Lower" Squirrel Sand	613	380
Bevier Coal Zone	642	351
Croweburg Zone(s)	652	341
Fleming Coal Zone	668	325
Mineral Coal Zone	684	309
Scammon Coal Zone	----	----
"Lower" Cattleman Sand	704	289
Tebo Coal Zone	726	267
Bartlesville "A" Sand	750	243
The "Un-named" Zone	773	220
Bartlesville "B" Sand	792	201
Dry Wood Coal Zone	----	----
Bartlesville "C" Sand	834	159
Rowe Coal Zone	843	150
"Upper" Neutral Coal Zone	863	130
"Lower" Neutral Coal Zone	----	----
"Neutral" (Mystery) Shale Zone	871	122
"E" Sand	----	----
"F" Sand Zone	889	104
"G" Sand Zone	900	33
Riverton Coal Zone	922	11
Mississippian	924	9
Rotary Total Depth	989	-56
E-Log Total Depth	988	-55

CONFIDENTIAL

ORIGINAL

BLUE STAR  
ACID SERVICE, INC.

PO Box 103  
Eureka, Kansas 67045

Cementing Ticket  
and Invoice Number

Nº 3505

Date 6-5-02	Customer Order No. HOPKINS #1-1	Sec. 1	Top 165	Range 24E	Truck Called Out 4:30 PM	On Location 7:45 AM	Job Began 8:05 AM	Job Completed 8:50 PM
Owner Osborn Energy/Layne Energy		Contractor Layne Christensen CANADA			Charge To Layne Energy			
Mailing Address 1345 Highfield Crescent S.E.		City CALGARY			State ALBERTA T3G5N2			
Well No. & Form HOPKINS #1-1		Place MIAMI			State KANSAS			
Depth of Well 989'	Depth of Job 993'	Size 7"	Weight 20"	Size of Hole Ann. and Kind of Cement 220 SKS	Cement Lost in casing by		Request Necessity 0	
Kind of Job Longstring		Drumpe			Cable		Truck No. #12	

KCC  
SEP 25 2002  
CONFIDENTIAL

Price Reference No.	#1
Price of Job	665.00
Second Stage	
Message 100 >	225.00
Other Charges	
Total Charges	890.00

Remarks: Safety Meeting: Rig up to 7" casing. Break circulation with 15 bbl fresh water. mixed 30 SKS Cement @ 10.5# P/GAL. Tail in with 190SKS Thick Set Cement @ 13.8# P/GAL. Shut down, wash out Pump Lines. Release Plug. Displace with 40.25 bbl fresh water. Final Pumping Pressure 350 PSI. Bump Plug to 900 PSI. Wait 5 minutes. Check float. float held. Shut casing in @ 0 PSI. Good cement returns to surface = 15 bbl slurry = 50SKS. Good circulation at all times while cementing. Job complete. Rig down.

Commenter Kevin McCoy  
 Helper Mike - Monti District EUREKA State KANSAS  
 The above job was done under supervision of the owner, operator, or his agent whose signature appears below.  
THANK YOU x Robert Williams Agent of contractor or operator

Sales Ticket for Materials Only

Quantity Sects	BRAND AND TYPE	RECEIVED	PRICE	TOTAL
220 SKS	Thick Set Cement	KANSAS CORPORATION COMMISSION	10.75	2365.00
SEP 27 2002				
CONSERVATION DIVISION WICHITA, KS				
1	7" Top Rubber Plug		40.00	40.00
		220 SKS Handling & Dumping	.50	110.00
Plugs		12.1 TONS Message 100	.80	968.00
			Sub Total	4,373.00
Delivered by Truck No. 16			Discount	
Delivered from EUREKA			Sales Tax	
Signature of operator <u>Kevin McCoy</u>			Total	

9-25-04

**Osborn Energy, L.L.C.**

24850 Farley  
Bucyrus, KS 66013  
Ph: 913-533-9900  
Fax: 913-533-9955

**CONFIDENTIAL**

September 25, 2002

**KCC**

**SEP 25 2002**

**CONFIDENTIAL**

Kansas Corporation Commission  
Conservation Division  
Finney State Office Building  
130 S. Market, Room 2078  
Wichita, KS 67202

**RECEIVED**  
KANSAS CORPORATION COMMISSION  
**SEP 27 2002**  
CONSERVATION DIVISION  
WICHITA, KS

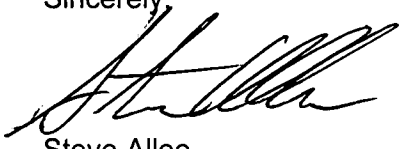
Attention: Dave Williams

Dear Commissioners:

Osborn Energy, L.L.C., a Kansas corporation having its principal place of business at:  
24850 Farley  
Bucyrus, KS 66013

is requesting that the Kansas Corporation Commission keep the information on the Well Completion Form (ACO-1) side two of Hopkins 1-1, SE SE NW sec. 1, T16S, R24E with API number 15-121-27640-0000, confidential for the maximum amount of time allowed, 24 months, which Osborn Energy deems confidential and proprietary information. Osborn Energy understands the Kansas Corporation Commission desires to obtain the confidential and proprietary information for the sole purpose of regulating the gas and oil industry.

Sincerely,



Steve Allee.  
Osborn Energy, L.L.C.

Rcvd Kcc 1-31-05

UPDATED / CORRECTED

1/03/05

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

ORIGINAL

Operator: License # 32294  
 Name: Osborn Energy, L.L.C.  
 Address: 24850 Farley 18' W & 6' N of: SE SE NW Sec. 1 Twp. 16 S. R. 24  East  West  
 City/State/Zip: Bucyrus, Kansas 66013  
 Purchaser: Akawa Natural Gas, L.L.C.  
 Operator Contact Person: Steve Allee  
 Phone: (913) 533-9900  
 Contractor: Name: Layne Christensen Canada Limited  
 License: 32999  
 Wellsite Geologist: Rex Ashlock  
 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. 195,304-C (C-28,554)  
 Dual Completion Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?) Docket No. \_\_\_\_\_  
6/4/02 6/5/02 7/30/03  
 Spud Date or Date Reached TD Completion Date or  
 Recompletion Date Recompletion Date

API No. 15 - 121-27640-00-00  
 County: Miami (N 38\* 41.259', W 94\* 42.282')  
2976 feet from S N (circle one) Line of Section  
2988 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 #: 1-1  
 Field Name: Paola-Rantoul  
 Producing Formation: South Mound & Mulky  
 Elevation: Ground: \_\_\_\_\_ Kelly Bushing: 993  
 Total Depth: 989 Plug Back Total Depth: \_\_\_\_\_  
 Amount of Surface Pipe Set and Cemented at 21 Feet  
 Multiple Stage Cementing Collar Used?  Yes  No  
 If yes, show depth set \_\_\_\_\_ Feet  
 If Alternate II completion, cement circulated from 989  
 feet depth to surface w/ 220 sx cmt.

Drilling Fluid Management Plan  
 (Data must be collected from the Reserve Pit)  
 Chloride content N/A ppm Fluid volume 500+/- bbls  
 Dewatering method used evaporation  
 Location of fluid disposal if hauled offsite: \_\_\_\_\_  
 Operator Name: \_\_\_\_\_  
 Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
 Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_ East West  
 County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

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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: Jeff Taylor  
 For Osborn Energy, L.L.C. Date: 1/13/05  
 Title: \_\_\_\_\_  
 Subscribed and sworn to before me this 13 day of January,  
20 05.  
 Notary Public: R. R. Ashlock  
 Date Commission Expires: \_\_\_\_\_

**REX R. ASHLOCK**  
 Notary Public - State of Kansas  
 My Appt. Exp. 1-10-09

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

Operator Name: Osborn Energy, L.L.C. Lease Name: Hopkins Well #: 1-1  
 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)

Log Formation (Top), Depth and Datum Sample  
 Name Top Datum  
**Driller's Log, OH Log(s), Cmt tickets, etc., sent w/ 1st ACO-1**

List All E. Logs Run:  
**IES, CDL, Cmt Bond / GR / CCL**

(Cmt Bond / GR / CCL attached/mailed w/ this "Updated" ACO-1)

CASING RECORD <input checked="" type="checkbox"/> New 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 3/4"	10 3/4"	32.75	21'	Portland	13	3% CaCl <sub>2</sub>
Production	9 7/8"	7.0"	20	989'	Thixotropic	220	2% CaCl <sub>2</sub>

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
4	452-456	250 gal. 15% HCl acid 62 sx 20/40 frac sand 43 sx 12/20 frac sand	452-456
4	569-575	200 gal. 15% HCl acid 25 sx 20/40 frac sand	569-575

TUBING RECORD	Size Set At <b>2 7/8" set at 600' +/-</b>	Packer At <b>None</b>	Liner Run [ ] Yes [x] No
---------------	--	--------------------------	-----------------------------

Date of First, Resumed Production, SWD or Enhr. <b>8/2003</b>	Producing Method Flowing <input type="checkbox"/> Pumping <input checked="" type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
--	--	--	--	--

Estimated Production Per 24 Hours	Oil Bbls. <b>None</b>	Gas Mcf <b>Avg. 49.6</b>	Water Bbls. <b>Avg. 219.2</b>	Gas-Oil Ratio <b>No Oil</b>	Gravity
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Disposition of Gas:  Vented  Sold  Used on Lease  
 METHOD OF COMPLETION: [ ] Open Hole  Perf. [ ] Dually Comp.  Commingled  
 Production Interval: 452-456  
569-575