

CONFIDENTIAL

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

ORIGINAL

*KCC
8/22/08*

Form ACO-1
September 1999
Form Must Be Typed

8/22/10

Operator: License # 32294
 Name: OSBORN ENERGY, LLC
 Address: 24850 FARLEY
 City/State/Zip: BUCYRUS, KS 66013
 Purchaser: AKAWA NATURAL GAS, LLC
 Operator Contact Person: Curstin Hamblin
 Phone: (913) 533-9900
 Contractor: Name: OSBORN ENERGY, LLC
 License: 32294 **CONFIDENTIAL**
 Wellsite Geologist: Curstin Hamblin **CONFIDENTIAL**
 Designate Type of Completion:
 New Well Re-Entry **KCC** 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. _____
 8/1/2008 8/7/2008
 Spud Date or Date Reached TD Completion Date or
 Recompletion Date Recompletion Date

API No. 15 - 121-28641-0000
 County: Miami
 SE NE NE Sec. 9 Twp. 16 S. R. 25 East West
990 feet from S (N) (circle one) Line of Section
330 feet from (E) / W (circle one) Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 (circle one) (NE) SE NW SW
 Lease Name: Kircher, Omer Well #: O-47
 Field Name: Louisburg
 Producing Formation: MARMATON AND CHEROKEE
 Elevation: Ground: 1102 Kelly Bushing: _____
 Total Depth: 651 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 0
 feet depth to 526 w/ 78 sx cmt.

Drilling Fluid Management Plan AH IINH 10-8-08
 (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: 8-22-08
 Subscribed and sworn to before me this 22nd day of August
 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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 AUG 25 2008**

Operator Name: OSBORN ENERGY, LLC Lease Name: Kircher, Omer Well #: O-47
 Sec. 9 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
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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	9 1/4"	8 5/8"		21	PORTLAND	3 sacks	WATER
PRODUCTION	7 7/8"	5 1/2"		526	50/50 poz	78 sacks	gel

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 (Amount and Kind of Material Used)	Depth

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TUBING RECORD		Size <u>3/4"</u>	Set At <u>500</u>	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
 620-431-9210 OR 800-467-8676

Mike Myer 8/25/08

TICKET NUMBER 16308
 LOCATION 9 Hwy 9
 FOREMAN Alan Mada

TREATMENT REPORT & FIELD TICKET
 CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-14-08	6023	Kircher # 0-47	9	16	25	MI

TRUCK #	DRIVER	TRUCK #	DRIVER
516	Alan M		
368	Bill Z		
226	Ken H		

CUSTOMER: Osborn Energy
 MAILING ADDRESS: 2485D Farley
 CITY: Bucyrus STATE: KS ZIP CODE: 66003

JOB TYPE: fill up HOLE SIZE: 7 7/8 HOLE DEPTH: 520 CASING SIZE & WEIGHT: 5 1/2
 CASING DEPTH: 520 DRILL PIPE: _____ TUBING: 3/4 @ 500' OTHER: _____
 SLURRY WEIGHT: _____ SLURRY VOL: _____ WATER gal/blk: _____ CEMENT LEFT in CASING: _____
 DISPLACEMENT: _____ DISPLACEMENT PSI: _____ MIX PSI: _____ RATE: 1 bpm

REMARKS: Washed tubing down. Mixed & Pumped 75sx 50/50 poz, 270 gal circulated cement. Pulled 3/4 out of hole & topped off with 5sx more. 80sx cement total, left hole full to surface.

Customer supplied water.

Alan Mada

ACCOUNT CODE	QUANTITY of UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	368	925.00
5406	—	MILEAGE	368	—
5402		Casing footage	368	—
5407A		ton mileage	226	161.00
1118B	134#	sel		22.78
1124	785x	50/50 poz		760.50
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		6.55		
		SALES TAX ESTIMATED TOTAL		51.30

AUTHORIZATION David S. Miller

TITLE 224764

DATE _____

YLL
mm
8/25/08

Geological Report

Kircher ^{OMER} # ~~0-47~~ 047

990 FNL, 330 FEL
Section 9-T16S-R25E
Miami Co., Kansas
API# 15-121-28641-0000
Elevation: 1102' GL
Drilling Contractor: Osborn Energy, L.L.C (Lic. # 32294)
Spud: 8/1/2008
Production Bore Hole: 7 7/8"
Rotary Total Depth: 651' on 8/7/2008
Drilling Fluid: air
Surface Csg.: 8 5/8" set to
Production Csg.: 5 1/2" set to 526
Geologist: Curstin Hamblin
Driller: Brian Schwab with the new rig

<u>Formation</u>	<u>Driller Log Tops</u>		<u>Datum</u>
Stark Shale	246-248'	3	856
Hushpuckney Shale	274-276'	3	828
Base Kansas City	294'		808
Knobtown Sand	333'		769
Carbonaceous Zone in Tacket Fm.	406'		696
"Big Lake" Sand	416'		686
South Mound Zone	466-468'	3	636
Hepler (Wayside) Sand	No call		
"Upper" Mulberry Zone	No call		
Mulberry Zone	No call		
Weiser Sand	no call		
Myrick Station	522-527'	5	580
Anna Shale (Lexington Coal Zone)	528-530'	3	574
Peru Sand	No call		
Summit Shale Zone	571-573'	3	531
Mulky Coal/Shale Zone	597-601'	5	505
Squirrel Sand	613'		489
Rotary Total Depth 2008	651'		

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Drilling at 11:00 at 1' in the Kansas City on 8/4/2008
Background Gas (BG) 12.9 units
Stopped drilling at 2:00pm, air compressor not working
Started drilling at 3:15pm on 8/6/2008

202-211: SH: grey, gummy
212-221: SH: grey, gummy, LS: grey
Started drilling with water. A formation above the Stark gave up a lot of water, and we could not get the hole dry again.
222-231: LS: grey and lt grey
232-241: LS: white

STARK FORMATION Geologist called @ 246', gas kick of 5.7 units over BG

****GAS TEST @261', 0 MCF****

242-251: SH: black, LS: grey
247: very poor gas in the samples
248: very poor gas in the samples
252-261: LS: white
Connection gas of 125 units
262-271: LS: lt grey/white

HUSHPUCKNEY SHALE Geologist called @ 274', kick of 8 units over BG

****GAS TEST @281', 0 MCF, too small to measure****

272-281: SH: grey, black, LS: grey
276: some gas in the samples, but it was not through out. Not very good.
Connection gas of 227 units
282-291: SH: grey, LS: lt grey
292-301: SH: grey, gummy, some black, 2 feet
294: BKC
Connection gas of 90 units
302-311: SS: very fine grained, muddy
312-321: SS: very fine grained, grey, Pyrite
Connection gas of 100 units
322-331: SS: grey, fine grained
Knobtown gas kick of 22 units over bg called at: 333
332-341: SS: grey, medium grained
342-351: SS: grey, 50/50 fine and medium grained
352-361: SS: grey, very fine grained/shale
362-371: SS: very dk grey, very fine grained
372-381: SS: shaley sandstone, dk grey, very fine grained
Connection gas of 380 units
382-391: SH: grey, gummy, SS: very fine grained, dk grey
392-401: SH: grey, gummy, SS: very fine grained, dk grey
Connection gas of 300 units
402-411: SH: grey, gummy, Coal
412-421: SH: grey, gummy, SS: some fine grained, some large grained
****GAS TEST @421', 0 MCF Total, too small to measure****
Stopped drilling at 7:00 pm
Started drilling at 6:00am on 8/7/2008
422-431: SS: grey, medium grained
432-441: SS: grey, fine grained mixed with grey silty shale
Connection gas of 230 units
442-451: SS: grey, very fine grained, mixed with grey shale
452-461: SS: grey, fine grained, mixed with silty shale

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SOUTH MOUND ZONE Geologist called @466', gas kick of 70 units over BG

****GAS TEST @481', 16 MCF Total****

Picked up a small amount of water in the south mound

462-471: SS: grey, fine to medium grained, SH: black

467: Fair to good gas in samples, some better than others

472-481: SH: grey, muddy, few pyrite

Connection gas over 1000 units

482-491: SH: grey, gummy, few pyrite

492-501: LS: white, mixed with some coal: 2%

Connection gas, 500 units

502-511: SS: large grained, small oil show at 507, SH: grey, silty

512-521: SH: grey, gummy, lots of pyrite

LEXINGTON COAL ZONE Geologist called @528', kick of 30 units over BG

****GAS TEST @ 541', 6 MCF 22 open flow****

529: good to very good gas in samples

522-531: LS: brown, SH: black, some coal, SS: grey, large grained

532-541: SS: large grained, grey, Coal

Connection gas of 400 units

542-551: SH: grey, gummy, LS: grey, brown

552-561: LS: grey

SUMMIT SHALE ZONE Geologist called @571', NO gas kick (attenuation was set on x4)

****GAS TEST @ 581', 0 MCF 20 total ****

274: poor to none gas in the samples

562-571: LS: grey, white, some black shale

572-581: LS: grey, SH: black

Connection gas of 1880 units

582-591: LS: grey

MULKY COAL/SHALE ZONE Geologist called @597', kick of 60 units over BG

****GAS TEST @ 601', 0-27 MCF open flow surging between 22 MCF and 49 MCF ** We have picked up some water, which would attest to the surging difference.**

599: good to very good gas in the samples

592-601: SH: grey, dk grey, black

Connection gas of 1600 units

602-611: SH: grey, Coal, 30%

604: Coal, 1 foot, very, very good gas in samples

612-621: SS: grey, fine grained, some pyrite

Connection gas above 1000 units

SQUIRREL SAND Geologist called @613'

****GAS TEST @621', 0 MCF 20 MCF Open flow ****

---No surging

622-631: SS: grey, medium grained

632-641: SS: grey, medium to large grained, lots of biotite specks, small oil show

642-651: SS: grey, medium to large grained, lots of biotite specks, small oil show still

Total Rotary Depth, 651

****GAS TEST @651', 22 MCF open flow ****

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Summary:

Stark: 0 MCF
Hushpuckney: 0 MCF
South Mound: 16 MCF
Lexington: 6 MCF, total 22
Summit: 0 MCF
Mulky: 0-27 MCF, 71 total

Total: 71 MCF

Structural and Formation Top comparisons of wells in the area

Well:	Kircher O-45		Kircher 1-9		Kircher o-47		Kircher 7-9	
Elevation:	1108		1106		1102		1109	
	Top	Datum	Top	Datum	Top	Datum	Top	Datum
Stark:	252	856	251	855	247	856	246	863
Hush:	279	829	280	826	274	828	274	835
BKC:	298	810	297	809	294	808	291	818
South M:	474	634	467	639	466	636	475	624
Lexington:	---	---	531	575	528	574	---	---
Summit:	569	539	573	533	571	531	568	541
Mulky:	596	507	598	508	597	505	593	516

Open Flow: 60 Mulky

208 Lex & Mulky

393 Sum & Mulky

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