# KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

807/11

October 2008

## WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 32294 CONFIDENTIAL	API No. 15 - 121-28695-0000
Name; Osborn Energy, L.L.C. AUG 0.7 2009	Spot Description: S2 of NW/4 of Sec. 21, T16S R25E
Address 1: 24850 Farley	N2 _NE _SW _NW _Sec. 21 _Twp. 16 _S. R. 25 East West
Address 2: KCC	3660 Feet from North / South Line of Section
City: Bucyrus State: KS Zip: 66013 +	990 Feet from East / West Line of Section
Overthe Hermalita	Footages Calculated from Nearest Outside Section Corner:
Phone: (913 ) 533-9900 KANSAS CORPORATION COMMISSION	□ne □nw □se ☑sw
CONTRACTOR: License # 32294 AUG 1 0 2009	County: Miami
Mame: Osborn Energy LLC -	Lease Name: Fischer Well #: 5-21
Wellsite Geologist: Curstin Hamblin RECEIVED	Field Name: Louisburg
Purchaser: Akawa Natural Gas, L.L.C.	Producing Formation: Marmaton
Designate Type of Completion:	Elevation: Ground: 1063 Kelly Bushing:
New Well Re-Entry Workover	Total Depth: 738 Plug Back Total Depth:
Oil SWD SIOW	Amount of Surface Pipe Set and Cemented at: 22.10 Feet
Gas ENHR SIGW	Multiple Stage Cementing Collar Used? ☐ Yes ☐ No
CM (Coal Bed Methane) Temp. Abd.	If yes, show depth set: Feet
Other (Core, WSW, Expl., Cathodic, etc.)	If Alternate II completion, cement circulated from: 727.35
If Workover/Re-entry: Old Well Info as follows:	feet depth to: surface w/ 106 sx cmt
Operator:	Dalling Floid Manager Mr. # 1// 20206
Well Name:	Drilling Fluid Management Plan AH II 111 9 28 09 (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth:	Chloride content: ppm Fluid volume: bbls
Deepening Re-perf Conv. to Enhr Conv. to SWD	Dewatering method used:
Plug Back:Plug Back Total Depth	•
Commingled Docket No.:	Location of fluid disposal if hauled offsite:
Dual Completion	Operator Name:
Other (SWD or Enhr.?) Docket No.:	Lease Name: License No.:
7/23/2009 7/24/2009 7/31/2009	Quarter Sec TwpS. R
Spud Date or Pate Reached TD Completion Date or Recompletion Date  Completion Date	County: Docket No.:
INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas 67202, within 120 days of the spud date, recompletion, workover or confidential for a period of 12 months if requitality in excess of 12 months). One copy of all wireline logs and geologist well BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form	riversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information wested in writing and submitted with the form (see rule 82-3-107 for confiden- I report shall be attached with this form. ALL CEMENTING TICKETS MUST
All requirements of the statutes, rules and regulations promulgated to regulate the are complete and correct to the best of my knowledge.	e oil and gas industry have been fully complied with and the statements herein
Signature: Custri Hauben	KCC Office Use ONLY
Title: Grologist Date: 8.7.09	Letter of Confidentiality Received
Subscribed and sworn to before me this day of suggest	, If Denied, Yes Date:
20 0-4	Wireline Log Received
()MU/2a	Geologist Report Received
Notary Public:	UIC Distribution
Date Commission Expires: Jane Brewer Notary Public	

AUG 0 7 2009 Side Two

Operator Name: Osborn Energy, L.L.C. KCC  Sec. 21 Twp. 16 S. R. 25 Seast 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 teste time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fit 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 Log surveyed. Attach final geological well site report.  Drill Stem Tests Taken Yes No  Cores Taken Yes No  KANSAS CORPORATION COMMISSION  AUG 1 0 2009  RECEIVED
time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, for 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 Log surveyed. Attach final geological well site report.  Drill Stem Tests Taken
(Attach Additional Sheets)  Samples Sent to Geological Survey
Samples Sent to Geological Survey  Cores Taken  Electric Log Run (Submit Copy)  Name  Top  Datum  Name  Top  KANSAS CORPORATION COMMISSION  AUG 1 0 2009
Cores Taken Yes No KANSAS CORPORATION COMMISSION Electric Log Run (Submit Copy)  AUG 1 0 2009
List All E. Logs Puny
CASING RECORD Used  Report all strings set-conductor, surface, intermediate, production, etc.
Purpose of String Size Hole Size Casing Weight Setting Type of # Sacks Type and Percent Drilled Set (In O.D.) Lbs. / Ft. Depth Cement Used Additives
Surface 12 1/4" 8 5/8" 22.10 portland 5 water
Production         6 3/4"         4 1/2"         727.35         owc         106         200# gel, 7 bbl (
ADDITIONAL CEMENTING / SQUEEZE RECORD
Purpose: Depth Top Bottom Type of Cement #Sacks Used Type and Percent Additives
Protect Casing Plug Back TD Plug Off Zone
Shots Per Foot PERFORATION RECORD - Bridge Plugs Set/Type Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth
TUBING RECORD: Size: Set At: Packer At: Liner Run:
Date of First, Resumed Production, SWD or Enhr.
Estimated Production Oil Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Gravity Per 24 Hours
DISPOSITION OF GAS: METHOD OF COMPLETION: PRODUCTION INTERVAL:
Vented

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Tebo Zone	KCC	637 <i>'</i>	426
Bartlesville A Sand		660-679 <b>′</b>	403
Un Named Zone		682	381
Bartlesville B Sand		707 <b>′</b>	356
Dry Wood Zone			
Bartlesville C Sand		729-733 <b>′</b>	334
Rotary Total Depth		738 <b>′</b>	

Drilling at 119' in the Kansas City on 7/24/2009 Chromatograph is being fixed

119-128: SH: grey, LS: grey 129-138: LS: white/lt grey

## stark FORMATION driller called @ 141-143 \*\*GAS TEST @159', 22 mcf \*\*

142: SH: dk grey, black, poor to fair gas in samples

139-148: SH: grey, black, LS: white

149-158: LS: lt grey

### HUSHPUCKNEY SHALE Geologist called @168-171' \*\*GAS TEST @178', 0 mcf, 22 open flow\*\*

169: SH: dk grey, no gas in samples 171: SH: black, no gas in samples

Switched to water, Hushpuckney gave up water

159-168: LS: 1t grey, SH: dk grey

169-178: SH: grey/dk grey

BKC: 186

179-188: LS: lt grey, SH: lt grey

189-198: SH: grey, sandy, gummy, SS: 1t brown, small grained

199-208: Siltstone: grey, Pyrtie, SS: lt grey (208)

#### KNOBTOWN SAND geologist called at 208-212

#### \*\*GAS TEST @238', 13 MCF, 35 open flow, 35 MCF Total\*\*

209-218: SS: lt grey, small grained, lots of biotite, slight odor

219-228: Siltstone: grey, sandy, Pyrite

229-238: Siltstone: grey, gummy

239-248: Siltstone: grey, dk grey

249-258: Siltstone: dk grey

259-268: Siltstone: dk grey

269-278: SH: dk grey, gummy

279-288: Siltstone: dk grey, SS: lt grey, very shaley

289-298: SS: 1t grey, small grained

#### \*\*GAS TEST @298', 3 mcf, 38 mcf open flow, 38 MCF Total\*\*

299-308: SH: grey, sandy, LS: occ. Brown

309-318: Siltstone: grey

319-328: SH: grey, limey, SH: black (327-328)

#### SOUTH MOUND ZONE Geologist called @327-328'

#### \*\*GAS TEST @338', 0 mcf, 35 mcf open flow, 38 MCF Total\*\*

South mound was very poorly developed

329-338: SH: grey, sandy 339-348: SH: grey, occ. Black KANSAS CORPORATION COMMISSION

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WAYSIDE/HEPLER SAND Geologist called @ 354-361 \*\*GAS TEST @358', 14 mcf, 49 open flow, 52 MCF Total\*\* 349-358: SS: lt grey/brown, medium grained, well cemented, SH: grey 359-368: SS: 1t grey, brown, medium grained 359-361: bleeding good oil. Heavy odor, ss below 361 is shaley, but still bleeding, some breakout oil 369-378: Siltstone: grey, LS: pinkish 379-388: SH: grey, limey, LS: pinkish 389-398: SH: grey, LS; pinkish, nodular- heavy odor, no visible oil (396-398) WEISER SAND Geologist called at 402-408 \*\*GAS TEST 0418', 45 mcf, 94 open flow, 97 MCF Total\*\* \*\* I think the additional gas came from the limestone, not the same ANSAS CORPORATION COMMISSION COMMISSION Deeding oil Heavy odor AUG 1 0 2009 409-418: Siltstone: grey LEXINGTON COAL ZONE Geologist called @ 427-428 \*\*GAS TEST @ 438', 239 MCF, 333 open flow, 336 mcf Total\*\* 428: primarily coal, excellent gas in samples \*\*Lexington was only 1-1.5' thick. Primarily coal WEST AND THE STREET 419-428: LS: brown: SH: black, Coal 429-438: SS: grey, silty, limey 439-448: SH: grey, limey 449-458: SH: grey, limey \*\*GAS TEST @458', 0 MCF, 295 mcf open flow, 336 Total \*\* 11:15am \*\*GAS TEST @458', 0 MCF, 256 mcf open flow, 336 Total \*\* \*\*\*\*\*Cleaned hole for 30 min and did another test 11:55am \*\*GAS TEST @458', 0 MCF, 201 mcf open flow, 336 Total \*\* \*\*\*\*\*Got water for the water truck, 30 min, and did another test. Did not clean the hole during this process. 12:00pm \*\*GAS TEST @458', 0 MCF, 231 mcf open flow, 336 Total \*\* \*\*\*\*\*Cleaned the hole 1:00pm \*\*GAS TEST @458', 0 MCF, 175 open flow MCF Total \*\* \*\*\*\*\* waited 30 min did another test SUMMIT SHALE ZONE Geologist called @468-470' \*\*GAS TEST 0479',56 MCF, 231 open flow, 392 mcf Total \*\* 469: SH: black, good to very good gas in samples 459-468: SH: black, LS: lt grey 469-478: SH: limey, SH: black Chromatograph is back, background running at 1216 I have it turned to X16, so small gas kicks will not show up

479-488: SH: grey, limey, LS: grey

MULKY COAL/SHALE ZONE Geologist called @493-497', gas kick of 0 units over BG

\*\*GAS TEST @498', 29 MCF, 260 mcf open flow, 421 Total \*\*

496: SH: black, blocky, very good to excellent shows of gas in samples on the broken planes, 1' coal

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489-498: SH: grey, SH: black, Coal: SS: grey/tan, medium to large grained

499-508: SS: grey, very shaley, fine grained

509-518: SS: grey, angular, firm, small grained

SQUIRREL SAND Geologist called @524'

519-528: SS: tan, medium grained, greasy from slight oil show

529-538: SS: tan, medium grained, SS: grey, angular, firm, well cemented

539-548: SS: tan, medium grained

549-558: SS: tan, medium grained, SS: black, medium grained, very coaly

569-578: SH: grey, SH: black, Coal

BEVIER ZONE - Geologist No call

CROWEBURG ZONE Geologist called at 562', gas kick of 0 units over bg KANSAS CORPORATION COMMISSION

562: SH: dk grey, black, Coal: fair gas in samples

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FLEMING ZONE Geologist called at 569', gas kick of 0 units over bg 569: SH: Black

MINERAL ZONE Geologist called at 573', gas kick of 0 units over bg \*\*GAS TEST @578', 0 MCF, 260 open flow, 421 MCF Total \*\* 573: Coal

579-588: SS: 1t grey, fine grained

589-598: SH: grey, LS: grey, LS: orange

\*\*GAS TEST @598', 0 MCF, 260 open flow, 421 MCF Total \*\*

599-608: SH: grey, black 600-603: SH: black

SCAMMON ZONE Geologist called at 611-619', gas kick of 0 units over bg \*\*GAS TEST @ 618', 0 MCF , 260 open flow, 421 MCF Total \*\*

609-618: SH: black, coal

611-619: SH: black, some coal

619-628: SH: black, SS: grey, small grained

TEBO ZONE Geologist called at 637-642', gas kick of 91.2 units over bg \*\*GAS TEST @ 638',0-35 mcf , 260-295 open flow-surging \*\*

629-638: SH: black, grey, LS: tan, Pyrite, Coal

638: SH: black, coal: fair gas in samples

639-648: SH: grey, black, coal

648: SH: dk grey

649-658: SH: dk grey, Coal, SS: lt grey

BARTELSVILLE A Geologist called at 660-679', gas kick of 216 units over bg \*\*GAS TEST @ 678' 175-210 MCF, 470 mcf open flow, 596-631 total \*\*

659-668: SS: lt grey, dk grey, fine grained, SS: white, medium grained 669-678: SS: White, large grained, some banded with black, pyritic growth

UN NAMED ZONE Geologist called at 682-706',

\*\*GAS TEST @ 698' 0 MCF, 419-444 MCF open flow\*\*

679-688: SH: grey, SS: white, small grained, LS: brown

689-698: SH: dk grey, grey, Coal

BARTLESVILLE B Geologist called at 707-720', chromatograph is shut off, it was power surging

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\*\*GAS TEST @ 718', 0 MCF, 419-444 MCF open flow \*\*
699-708: SH: grey, dk grey, SS: white, medium grained, Pyrite
709-718: SS: white, medium grained

DRYWOOD ZONE Geologist called at 721-726',

\*\*GAS TEST @ 738', 0 MCF, 419-444 MCF open flow\*\*

719-728: SS: white, SH: grey, Coal

721-726: SH: dk grey

BARTELSVILLE C Geologist called at 729-733',

\*\*GAS TEST @ 738', 0 MCF, 419-444 MCF open flow\*\*

734: Coal

729-738: SS: lt grey, small grained, coal

Total Rotary Depth, 738 on 724/2009 at 4:45pm
\*\*GAS TEST @ 738', 0 MCF, 419-444 MCF open flow\*\*

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