

**CONFIDENTIAL**

**ORIGINAL**

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

Form ACO-1  
September 1999  
Form Must Be Typed

8/14/10

*for my file*

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  
Wellsite Geologist: Curstin Hamblin

Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SLOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Exp., Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows:  
Operator: KCC

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. \_\_\_\_\_

6/30/2008 7/3/2008  
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 121-28562-0000  
County: Miami  
NE SW SE Sec. 28 Twp. 16 S. R. 25  East  West  
990 feet from (S) N (circle one) Line of Section  
1650 feet from (E) W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE (SE) NW SW  
Lease Name: Morrisey Well #: 52  
Field Name: Louisburg

Producing Formation: MARMATON AND CHEROKEE  
Elevation: Ground: 1109 Kelly Bushing: \_\_\_\_\_  
Total Depth: 843' Plug Back Total Depth: 670'  
Amount of Surface Pipe Set and Cemented at 20 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 653 w/ 163 sx cmt.

Drilling Fluid Management Plan AH II NH 10-9-08  
(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: 8.14.08  
Subscribed and sworn to before me this 14 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 **RECEIVED**  
KANSAS CORPORATION COMMISSION  
 UIC Distribution  
**AUG 18 2008**

CONSERVATION DIVISION  
WICHITA, KS

Operator Name: OSBORN ENERGY, LLC Lease Name: Morrisey Well #: 52  
 Sec. 28 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<br><i>(Attach Additional Sheets)</i><br><br>Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br><br>Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br><br>Electric Log Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br><i>(Submit Copy)</i><br><br>List All E. Logs Run: | <input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample<br><br>Name Top Datum |
|--|---|

| 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"                   |                   | 20.8'         | PORTLAND       | 3 sacks      | WATER                      |
| PRODUCTION  |                   | 5 1/2"                    |                   | 653'          | 50/50 poz      | 163 sacks    | premium gel                |
|   |                   |                           |                   |               |                |              |                            |

| ADDITIONAL CEMENTING / SQUEEZE RECORD   |                  |                |             |                            |
|---|------------------|----------------|-------------|----------------------------|
| Purpose:  | Depth Top Bottom | Type of Cement | #Sacks Used | Type and Percent Additives |
| <input type="checkbox"/> Perforate<br><input type="checkbox"/> Protect Casing<br><input checked="" type="checkbox"/> Plug Back TD<br><input type="checkbox"/> Plug Off Zone | 670-840          | 50/50 poz      | 64 sacks    | gel                        |
|   |                  |                |             |                            |

| Shots Per Foot                                   | PERFORATION RECORD - Bridge Plugs Set/Type<br>Specify Footage of Each Interval Perforated  | Acid, Fracture, Shot, Cement Squeeze Record<br>(Amount and Kind of Material Used) | Depth  |
|--|--|---|--|
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| TUBING RECORD                                    | Size Set At Packer At  | Liner Run <input type="checkbox"/> Yes <input 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 *(If vented, Submit ACO-18.)*

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

Production Interval \_\_\_\_\_

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

TICKET NUMBER 16290  
 LOCATION Ochawa KS  
 FOREMAN Fred Maden

TREATMENT REPORT & FIELD TICKET  
 CEMENT

| DATE                            | CUSTOMER # | WELL NAME & NUMBER | SECTION | TOWNSHIP | RANGE   | COUNTY |
|---------------------------------|------------|--------------------|---------|----------|---------|--------|
| 8/1/08                          | 6073       | Morrissey # 52     | 28      | 16       | 25      | M1     |
| CUSTOMER<br>Ochawa Energy LLC   |            |                    | TRUCK # |          |         |        |
| MAILING ADDRESS<br>24850 Farley |            |                    | DRIVER  |          | TRUCK # |        |
| CITY<br>Buycrus                 |            |                    | DRIVER  |          | TRUCK # |        |
| STATE<br>KS                     |            |                    | DRIVER  |          | TRUCK # |        |
| ZIP CODE<br>66043               |            |                    | DRIVER  |          | TRUCK # |        |

JOB TYPE Longstring HOLE SIZE 7 7/8 HOLE DEPTH 660' CASING SIZE & WEIGHT 5 1/2  
 CASING DEPTH 652' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/shk \_\_\_\_\_ CEMENT LEFT IN CASING 5 1/2" Plug  
 DISPLACEMENT 15.9 BBL DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 58 BPM

REMARKS: Wash down 5 1/2" casing. Mix Pump 100# Premium Gel Flush  
Mix Pump 10 BBL Talltale dye. Mix Pump 165 SKS  
50/50 Por mix Cement. Flush pump 1 hrs clean. Displace  
5 1/2" Rubber plug to casing TD w/ 15.9 BBL  
fresh water. Pressure to 600 # PSI. Release pressure  
to set float valve. Check plug depth w/ wireline.  
Thin cement to surface.

Customer supplied water Fred Maden

| ACCOUNT CODE | QUANTITY or UNITS | DESCRIPTION of SERVICES or PRODUCT | UNIT PRICE | TOTAL   |
|--------------|-------------------|------------------------------------|------------|---------|
| 5401         | 1 well            | PUMP CHARGE Cement Pump            | 495        | 925.00  |
| 5406         | 40                | MILEAGE Pump Truck                 | 495        | 146.00  |
| 5407A        | 6.93 Ton          | Ton Mileage                        | 226        | 332.67  |
| 5809         | 1 hr              | Pump Truck wash                    | 495        | 200.00  |
| 1124         | 1632 SKS          | 50/50 Por Mix Cement               |            | 1589.25 |
| 1188         | 378 #             | Premium Gel                        |            | 642.60  |
| 4406         | # 1               | 5 1/2" Rubber Plug                 |            | 61.00   |
| Sub Total    |                   |                                    |            | 3318.65 |
| Tax @ 6.55%  |                   |                                    |            | 112.31  |
| TOTAL        |                   |                                    |            | 3430.96 |

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CONSERVATION DIVISION  
 WITH SALES TAX  
 ESTIMATED TOTAL

OPERATION 224408 TITLE 224408 DATE \_\_\_\_\_

CONSOLIDATED OIL WELL SERVICES, INC.  
 P.O. BOX 884, CHANUTE, KS 66720  
 620-431-9210 OR 800-467-8678

TICKET NUMBER 16206  
 LOCATION Ottawa  
 FOREMAN Alan Mader

TREATMENT REPORT & FIELD TICKET  
 CEMENT

| DATE    | CUSTOMER # | WELL NAME & NUMBER | SECTION | TOWNSHIP | RANGE | COUNTY |
|---------|------------|--------------------|---------|----------|-------|--------|
| 7-11-08 | 16073      | Morrissy #52       | 29      | 16       | 25    | M!     |

  

| CUSTOMER                                     | TRUCK #            | DRIVER | TRUCK # | DRIVER |
|--|--------------------|--------|---------|--------|
| Ogborne Energy<br>24850 Furley<br>Bucyrus KS | 516                | Alan M |         |        |
|  | 368                | Bill?  |         |        |
|  | <del>226</del> 237 | Chuck  |         |        |

JOB TYPE plug back HOLE SIZE 9 5/8 HOLE DEPTH 800 CASING SIZE & WEIGHT -  
 CASING DEPTH \_\_\_\_\_ DRILL PIPE \_\_\_\_\_ TUBING 2 3/8 OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING \_\_\_\_\_  
 DISPLACEMENT \_\_\_\_\_ DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Washed tubing to 800', Mixed & pumped 1650x 50/100  
per 2% gel. Chased down tubing with 266l clean water  
pulled tubing to 670', Circulated hole clean.

Customer supplied water

| ACCOUNT CODE | QUANTITY or UNITS | DESCRIPTION of SERVICES or PRODUCT | UNIT PRICE                    | TOTAL    |
|--------------|-------------------|------------------------------------|-------------------------------|----------|
| 5401         | 1                 | PUMP CHARGE                        | 367                           | 923.00   |
| 5402         | 40                | MILEAGE                            | 368                           | 14720.00 |
| 5407A        | 1/2 min           | ton mileage                        | 226                           | 113.00   |
| 111803       | 109 #             | gel                                |                               | 18.53    |
| 1124         | 69.9x             | 50/50 per                          |                               | 624.00   |
|              |                   |                                    |                               | 1871.03  |
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|              | KCC               |                                    | AUG 18 2008                   |          |
|              |                   |                                    | CONSERVATION DIVISION         |          |
|              |                   |                                    | WICHITA, KS                   |          |
|              |                   |                                    | SALES TAX                     | 42.08    |
|              |                   |                                    | ESTIMATED TOTAL               | 1913.11  |

AUTHORIZATION [Signature] TITLE 223647 DATE 8/18/08

## Geological Report

### Morrisey # 52

990 FSL, 1650 FEL  
Section 28-T16S-R25E  
Miami Co., Kansas  
API# 15-121-28562-0000  
Elevation: 1109' GL  
Drilling Contractor: Osborn Energy, L.L.C (Lic. # 32294)  
Spud: 6/30/2008  
Production Bore Hole: 8"  
Rotary Total Depth: 843 on 7/3/2008, plugging back to 670' on  
7/10/2008  
Drilling Fluid: air  
Surface Csg.: 10 3/4" set to 20.8"  
Production Csg.: 5 1/2" set to 653'  
Geologist: Curstin Hamblin

| <u>Formation</u>                 | <u>Driller Log Tops</u> | <u>Datum</u> |
|----------------------------------|-------------------------|--------------|
| Stark Shale                      | 224-227'                |              |
| Hushpuckney Shale                | 254-258'                |              |
| Base Kansas City                 | 270'                    |              |
| Knobtown Sand                    | No call                 |              |
| Carbonaceous Zone in Tacket Fm.  | No call                 |              |
| "Big Lake" Sand                  | '                       |              |
| South Mound Zone                 | 424-426'                |              |
| Hepler (Wayside) Sand            | No call                 |              |
| "Upper" Mulberry Zone            | No call                 |              |
| Mulberry Zone                    | No call                 |              |
| Weiser Sand                      | '                       |              |
| Myrick Station                   | 508-511'                |              |
| Anna Shale (Lexington Coal Zone) | 512'                    |              |
| Peru Sand                        | No call                 |              |
| Summit Shale Zone                | 556-559'                |              |
| Mulky Coal/Shale Zone            | 581-586'                |              |
| Squirrel Sand                    | 592'                    |              |
| Bevier Coal                      | 647'                    |              |
| Crowburg Coal                    | '                       |              |
| Mineral Coal                     | '                       |              |
| Scammon Coal                     | '                       |              |
| Tebo                             | '                       |              |
| Weir-Pittsburg coal              |                         |              |

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Rotary Total Depth

843'

Drilling at 104' in the Kansas City on 7/1/2008  
Background Gas (BG) 16.9 units

First hole to use the new rig on.

104-113: SH: grey, silty LS: 1% tan  
114-123: SH: grey, silty, LS: 1% grey  
124-133: SH: grey, silty, pyrite 1%  
134-143: SH: grey, silty  
144-153: SS: grey, muscovite, biotite  
154-163: SS: grey, intermediately grained  
164-173: LS: tan, SS: 5% grey  
174-183: LS: tan, fossils, SH: 5% grey  
184-193: SH: grey, LS: grey  
194-203: LS: grey  
204-213: LS: white, grey, some fossils  
214-223: LS: 214-219, white, grey, SH: 219-223: grey, Quartz

**STARK FORMATION** Geologist called @ 224-227', gas kick to 25.1 units, 5 over BG

\*\*Picked up a little water in the stark, switched to drilling with water

~~226: No visible gas bubbles~~

224-233: 224-227: SH: grey, Black, 228-233: LS: White, tan  
234-243: LS: white/ lt brown  
244-253: LS: white

**HUSHPUCKNEY SHALE** Geologist called @254-258', No gas kick,  
**\*\*GAS TEST @263', 0 MCF, no signs of gas\*\***

254-263: LS: white, grey, SH: black

~~254-263: Black shale, no gas bubbles~~

264-273: LS: lt grey  
274-283: SH: 50% gummy, grey, SS: 50% grey, fine grained  
284-293: SH: grey, silty, SS: grey, Pyrite: 1%, some growth on shale too  
294-303: SH: grey, gummy, 50%, SS: grey, medium grained, 50%  
304-313: SS: 75%, grey, medium grained, SH: 25%, grey, gummy, silty  
314-323: SS: grey, fine grained, some pyritic growth  
324-333: SH: grey, silty  
334-343: SH: grey, silty, gummy  
344-353: SH: grey, silty  
354-363: SH: grey, silty, very gummy  
364-373: SH: grey, silty  
BG running at 17.1 units

374-381: SH: grey, silty, very gummy, copper fossils, 1% very dark grey shale  
382: SS: grey, fine to medium grained  
382: Gas kick to 85.1 units—Oil show and smell—Gas kicks spiking up and down up to 90.4

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383: SS: 50/50 grey, tan, large grained, heavy oil smell

\*\*\*Began chip coring

384: SS: tan 70%, large grained, SH: 25% grey, 5% black (mulberry?)—lots of oil bleeding into the pit, smells like oil

385: SS: 90% tan, large grained, SH: grey, 1% black, Pyrite: 1%-- still bleeding into pit, but not as heavily, visible oil in the sample

386: 50/50 SH: grey, silty, SS: tan, large grained, Heavy oil smell

387: SH: very silty, grey, SS: 20%, tan, grey, and very fine grained, oil slightly bleeding into pit, heavy oil smell

388: SH: grey, silty, SS: 20%, grey, fine grained—Very light oil odor

389: SH: grey, silty

390-393: SH: grey, very silty

394-403: SH: grey, some silty,

403: connection gas to 216.8 units, 200 over bg

**\*\*GAS TEST @397', 0 MCF Total\*\***

404-413: SH: grey, some silty

414-423: SH: grey, some silty, 2% black

**SOUTH MOUND ZONE** Geologist called @424', gas kick to 88.7 units, 65 over BG  
424-425: black shale.

425: good to very good gas bubbles. Cover every surface, but are not releasing to the top

\*\*\* Stopped drilling at 425', two feet into the South Mound. No final gas test was taken due to the rig being shut off by the mechanics.

\*\*\* 7/2/2008- During circulation there was a presence of oil coming up the hole  
7/3/2008- Started drilling at 8:34am at 425'

426-433: SH: grey, silty, some black, SS: 5%, grey

434-439: SH: grey, silty, little gummy, SS: 20%, grey, fine grained

440-441: SS: 80% brown, large grained, 20% grey, small grained. Bleeding in sample bag and some droplet bleeding into wash bucket. Oil show, heavy smell  
gas kick to 27.8 from 13.1, 14.7 above bg

442-443: SS: grey, medium to fined grained. Slight oil smell, not much. Slight oil show, not thick bed

444-445: SH: 85%, grey, slightly silty, SS: 15%, tan, large grained

446-453: SH: grey, gummy

454-463: SH: 60% grey, gummy, LS: 40% pink

464-473: LS: pink, tan, grey

373-483: LS: 80%, tan, 481, SH: grey, little silty

484-493: LS: 70%, pink, tan, SS: grey/brown, heavy oil smell, large grained  
gas kick to 34 from 17

494-503: SS: grey-medium grained, tan-large grained, Pyrite: 1%

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**WEISER SAND**

**\*\*GAS TEST @ , MCF Total\*\***

**LEXINGTON COAL ZONE** Geologist called @512', kick to units, over BG

**\*\*GAS TEST @520', 0 MCF Total\*\***

513: Good gas bubbles in the samples, some coal, very good gas

504-513: LS: 90%, tan, SH: 10%, grey

514-523: SS: 40%-tan, large grained, 10%-grey, fine grained, SH: 50%, black, some pyrite

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524-533: LS: 60%, tan, grey, SH: 30%, grey, SS: 10%, brown  
534-543: SH: grey, gummy, LS: grey  
544-553: LS: grey

**SUMMIT SHALE ZONE** Geologist called @556-559', kick to 30.1 units, 15 over BG  
**\*\*GAS TEST @560', 16 MCF Total \*\***

558: Some gas in the samples, but not much

554-563: SH: grey, black, LS: grey  
564-573: LS: grey, SH: grey, silty  
\*\*\*Picked up some water

**MULKY COAL/SHALE ZONE** Geologist called @581-586', kick to 36.5 units, 23.4 over BG

**\*\*GAS TEST @593', 0 MCF 16 MCF Total, no increase \*\***

574-583: SH: black, some pyritic growth, LS: grey

581: Some good gas bubbles with streamers, some are poor samples, banded shale has good gas in samples. Coal <1", has very good gas!-better than Lexington  
584-593: Coal 50%, gas showing in samples, SH: grey, SS: 40%-grey, large grained, possibly 1-2' of coal

\*\*\*Picked up some water

**SQUIRREL SAND** Geologist called @592'

594-603: SS: grey, large grained with muscovite and biotite  
604-613: SS: grey, brown, large grained, biotite and muscovite  
614-623: SS: grey, large grained, biotite and muscovite, Pyrite: 1%  
624-633: SS: grey, brown, large grained, biotite and muscovite  
634-643: SS: grey, brown, large grained, SH: 30%, grey

**Bevier Coal** Geologist called @ 647-650', no gas kick

**\*\*GAS TEST @663', 0 MCF, 16 MCF decrease 16 MCF Total**

644-653: SH: grey, some coal 5%, dark grey shale  
654-663: Interbedded coal seems, none more than a few inches thick. SH: grey, LS: grey, tan, Coal (Crowburg?). Very poor gas in the samples  
664-673: SS: grey, quartz inclusions, tan, all large grained, Coal 5%  
674-683: SS: grey, fine grained, lt grey-large grained, red-very packed, SH: grey, silty, Coal: 2%  
684-693: SH: grey/dk grey, SS: grey, red  
694-703: SH: grey, lt grey, some gummy, some silty  
704-713: SS: grey- large grained, SH: grey, black  
714-723: SH: grey, SS: grey, large grained  
724-733: SH: grey, some very dark grey  
734-743: SH: very dk grey, almost black, Coal 1%  
744-753: SH: very dk grey, almost black, Coal 1%  
754-763: SH: very dk grey, Coal 5%  
764-773: SH: grey, Pyrite, 2%, SS: 30% grey, large grained  
774-783: SH: grey, dk grey, Coal 1%, Pyrite 1%, SS: 5% grey  
784-793: SH: grey, silty  
794-803: SH: grey, silty, Coal 1%, Pyrite 2%  
804-813: SH: grey, dk grey, silty, Pyrite 2%  
814-823: SH: grey, dk grey, silty, Pyrite 2%, SS: 15% grey, large grained  
818: majority sand, still some coal and shale mixed with it, no gas kick  
824-833: SS: 50%, white/grey, SH: 50% grey/dk grey, Pyrite

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834-843: SS: 75%, white/grey, SH: grey/dk grey

Total Rotary Depth, 843'

**\*\*GAS TEST @843', 0 MCF Total \*\***

Summary:

|              |        |
|--------------|--------|
| Stark:       | 0 MCF  |
| Hushpuckney: | 0 MCF  |
| South Mound: | 0 MCF  |
| Lexington:   | 0 MCF  |
| Summit:      | 16 MCF |
| Mulky:       | 0 MCF  |
| Total:       |        |

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