



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1234440  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

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

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

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

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SIOW
- Gas       D&A       ENHR       SIGW
- OG       GSW       Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic       Other (Core, Expl., 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       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

|                                   |                 |   |
|-----------------------------------|-----------------|---|
| Spud Date or<br>Recompletion Date | Date Reached TD | Completion Date or<br>Recompletion Date |
|-----------------------------------|-----------------|---|

API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

(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 #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

AFFIDAVIT

I am the affiant and I hereby certify that 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.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

1234440

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

|  |   |
|--|---|
| Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No<br><i>(Attach Additional Sheets)</i><br><br>Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No<br><br>Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No<br>Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No<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 |
|   |                   |                           |                   |               |                |              |                            |
|   |                   |                           |                   |               |                |              |                            |
|   |                   |                           |                   |               |                |              |                            |

| 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 type="checkbox"/> Plug Back TD<br><input type="checkbox"/> Plug Off Zone |                  |                |              |                            |
|  |                  |                |              |                            |

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*  
 Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*  
 Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

| Shots Per Foot | PERFORATION RECORD - Bridge Plugs Set/Type<br>Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record<br><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 |
|-----------------------------------|-----------|---------|-------------|---------------|---------|
|                                   |           |         |             |               |         |

|  |   |   |
|--|---|---|
| <b>DISPOSITION OF GAS:</b><br><input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease<br><i>(If vented, Submit ACO-18.)</i> | <b>METHOD OF COMPLETION:</b><br><input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled<br><i>(Submit ACO-5)</i><br><input type="checkbox"/> Other <i>(Specify)</i> _____ | <b>PRODUCTION INTERVAL:</b><br>_____<br>_____ |
|--|---|---|





**INVOICE**

|           |           |
|-----------|-----------|
| DATE      | INVOICE # |
| 8/28/2014 | 5052      |

|  |
|--|
| <b>BILL TO</b>   |
| SANDRIDGE ENERGY, INC.<br>ATTN: PURCHASING MANAGER<br>123 ROBERT S. KERR AVENUE<br>OKLAHOMA CITY, OK 73102 |

|   |
|---|
| <b>REMIT TO</b>   |
| EDGE SERVICES, INC.<br>PO BOX 609<br>WOODWARD, OK 73802 |

| COUNTY     | STARTING D... | WORK ORDER | RIG NUMBER | LEASE NAME      | Terms         |
|------------|---------------|------------|------------|-----------------|---------------|
| HARPER, KS | 8/25/2014     | 3951       | NOMAC 52   | JANE 3406 1-30H | Due on rec... |

| Description  |  |
|--|--|
| DRILLED 80' OF 30" CONDUCTOR HOLE<br>DRILLED 6' OF 76" HOLE<br>FURNISHED AND SET 6' X 6' TINHORN CELLAR<br>FURNISHED 80' OF 20" CONDUCTOR PIPE<br>FURNISHED MUD, WATER, AND TRUCKING<br>FURNISHED WELDER AND MATERIALS<br>FURNISHED 8 YARDS OF 10 SACK GROUT FOR CONDUCTOR HOLE<br>FURNISHED 3 YARDS OF 10 SACK GROUT FOR MOUSE HOLE<br>FURNISHED GROUT PUMP<br>DRILL MOUSE HOLE<br>FURNISHED 50' OF 16" CONDUCTOR PIPE<br><br>TOTAL BID \$19,000.00 |  |

|                          |          |
|--------------------------|----------|
| <b>Sales Tax (6.15%)</b> | \$134.81 |
|--------------------------|----------|

|              |             |
|--------------|-------------|
| <b>TOTAL</b> | \$19,134.81 |
|--------------|-------------|



SandRidge Energy  
Jane #3406 1-30 H  
Harper County, KS.

## 1.0 Executive Summary

Allied Oil & Gas Services would like to thank you for the award of the provision of cementing products and services on the well Jane #3406 1-30 H Surface Casing.

A pre-job meeting was held to discuss job details, review the safety hazards, potential environmental impact and established emergency procedures.

Allied started the job testing lines to 2000 psi. After a successful test we began the job by pumping 10 bbls of preflush spacer. We then mixed and pumped the following cements:

85 Bbls (255 sacks) of 12.7 ppg Lead slurry:

Class A poz Blend Yeild 1.87

6% Gel

2% CC

¼# Floseal

32 Bbls (150 sacks) of 15.6 ppg Tail slurry

Class A Yeild 1.20

2% CC

¼ # Floseal

The top plug was then released and displaced with 54.5 Bbls of fresh water. The plug bumped and pressured up to 900 psi. Pressure was released and floats held.

All real time data is shown on the graph in the attachment section.

Allied Oil & Gas Services remains committed to provide operational excellence and superior product performance. All comments and suggestions are greatly appreciated and help us to continue to provide this level of service.

Again we want to thank you for the opportunity to perform these and your future cementing & acidizing service needs.



SandRidge Energy  
Jane #3406 1-30H  
Harper County, KS.

## 1.0 Executive Summary

Allied Oil & Gas Services would like to thank you, for the award of the provision of cementing products and services on the well Jane #3406 1-30H Intermediate Casing.

A pre-job meeting was held to discuss job details, review the safety hazards, potential environmental impact and established emergency procedures.

Allied started the job testing lines to 3000 psi. After a successful test we began the job by pumping 30 bbls of preflush spacer. We then mixed and pumped the following cements:

62.5 Bbls (250 sacks) of 13.6 ppg Lead slurry:  
50:50 Class A:Poz Blend - 1.4 Yield  
2.0% Gel  
0.4% FL-160  
0.1% SA-51

21Bbls (100 sacks) of 15.6 ppg Tail slurry:  
Class A - 1.18 Yield  
0.8% FL-160  
0.2% CD-31

The top plug was then released and displaced with 213.5 of fresh water. The plug bumped and pressured up to 1250 psi. Pressure was released and floats held.

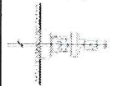
All real time data is shown on the graph in the attachment section.

Allied Oil & Gas Services remains committed to provide operational excellence and superior product performance. All comments and suggestions are greatly appreciated and help us to continue to provide this level of service.

Again we want to thank you for the opportunity to perform these and your future cementing & acidizing service needs.

Jane 3406 I-30H  
Nomac 52  
Harper County, KS  
X = 2144522.00'  
Y = 145430.00'  
Plan 2 vs Actual

KB: 1310'  
GI: 1292'



**Plan Data for Jane 3406 I-30H**

| Plan Point Information: |              |          |         |          |            |              |              |             |                  |
|-------------------------|--------------|----------|---------|----------|------------|--------------|--------------|-------------|------------------|
| Dogleg (USFt)           | Severity (°) | Unit (°) | Inc (°) | Az (°)   | TVD (USFt) | +N/-S (USFt) | +E/-W (USFt) | VSec (DLSU) | DLS Toolface (°) |
| 0.00                    | 0.00         | 0.00     | 0.00    | 0.00     | 0.00       | 0.00         | 0.00         | 0.00        | 0.0              |
| 7212.00                 | 89.80        | 179.06   | 4755.28 | -2712.36 | 582.98     | 2718.70      | 1.65         | 0.0         | 0.0              |
| 7397.27                 | 93.50        | 179.26   | 4749.95 | -2897.51 | 585.70     | 2903.87      | 2.00         | 3.1         | 0.0              |
| 7599.67                 | 93.50        | 179.26   | 4737.59 | -3099.51 | 588.30     | 3105.89      | 2.00         | 0.0         | 0.0              |
| 7772.17                 | 90.05        | 179.26   | 4732.25 | -3271.89 | 590.52     | 3278.28      | 2.00         | 180.0       | 0.0              |
| 9206.40                 | 90.05        | 179.26   | 4731.00 | -4706.00 | 609.00     | 4712.51      | 0.00         | 0.0         | 0.0              |

| Target Set Information: |            |                 |                |                      |
|-------------------------|------------|-----------------|----------------|----------------------|
| Name                    | TVD (USFt) | Northing (USFt) | Easting (USFt) | Lat (°/1")           |
| PBHL                    | 4731.00    | 140724.00       | 2145131.00     | 37°3'7.5" -98°0'9.8" |

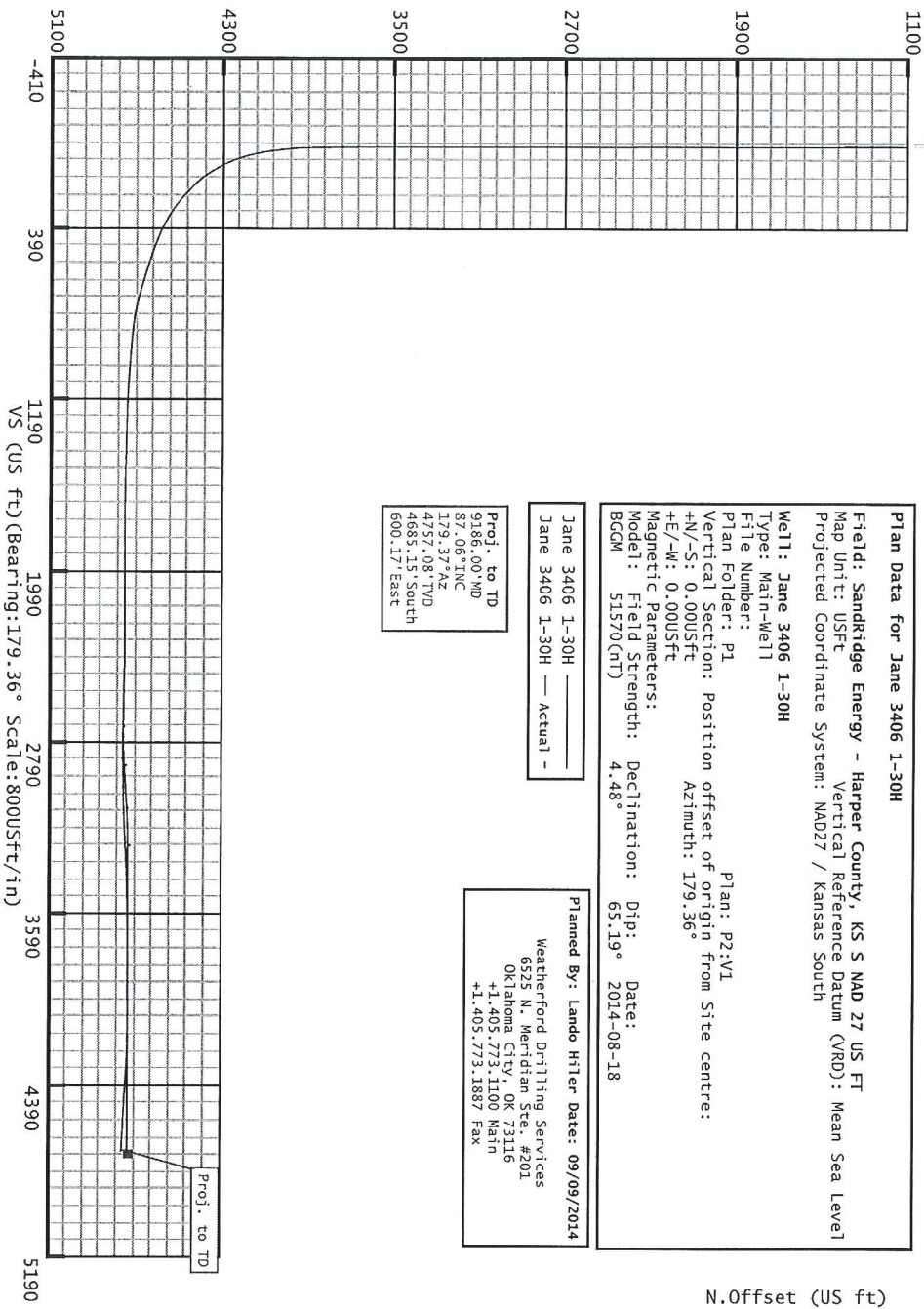
**Plan Data for Jane 3406 I-30H**

**Field:** SandRidge Energy - Harper County, KS S MAD 27 US FT  
**Map Unit:** USFT  
**Projected Coordinate System:** NAD27 / Kansas South  
**Well:** Jane 3406 I-30H  
**Type:** Main-Well  
**File Number:**  
**Plan Folder:** PI  
**Vertical Section:** Position offset of origin from Site centre:  
 +N/-S: 0.00USFt  
 +E/-W: 0.00USFt  
**Magnetic Parameters:**  
**Model:** Field Strength: Declination: Dip: Date:  
 BGM 51570(GT) 4.48° 65.19° 2014-08-18

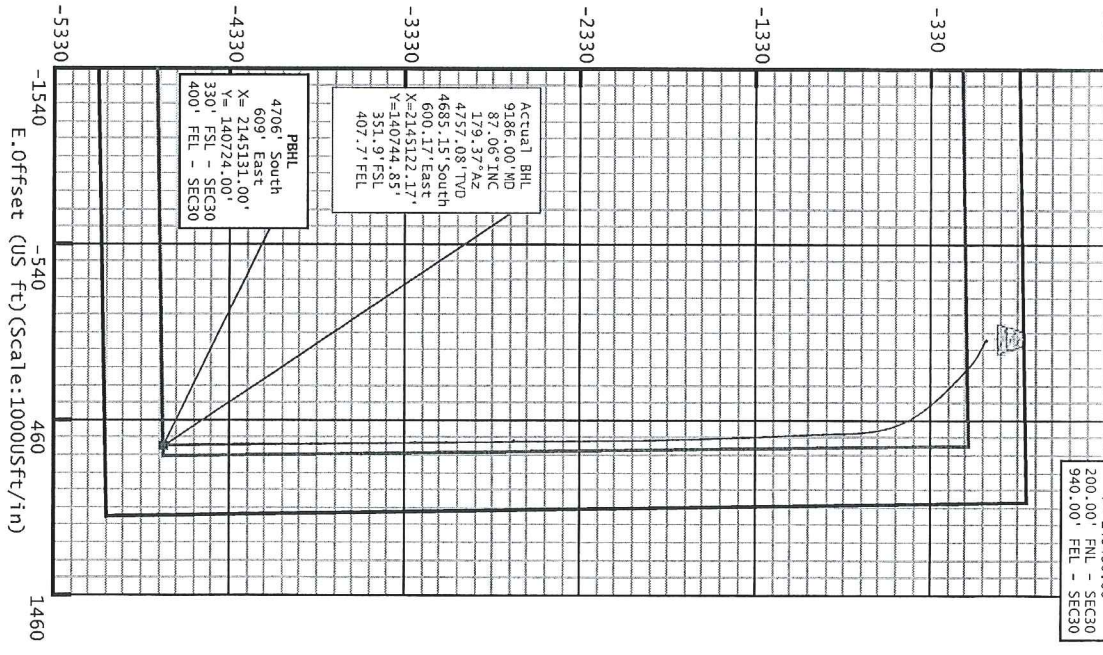
Jane 3406 I-30H — Actual -  
Jane 3406 I-30H — Actual -

Proj. to TD  
9186.00'WD  
87.06°INC  
179.37°AZ  
4757.08'TVD  
4685.15'South  
600.17'East

Planned By: Lando Hiler Date: 09/09/2014  
 Weatherford Drilling Services  
 6525 N. Meridian Ste. #201  
 Oklahoma City, OK 73116  
 +1.405.773.1100 Main  
 +1.405.773.1887 Fax

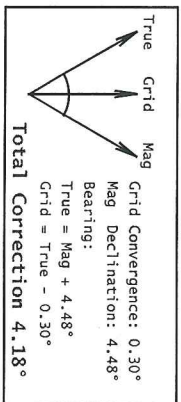


**Vertical Section 179.36° AZM**



SHL  
X = 2144522.00'  
Y = 145430.00'  
200.00' FSL - SEC30  
940.00' FEL - SEC30

Actual BHL  
9186.00'WD  
87.06°INC  
179.37°AZ  
4757.08'TVD  
4685.15'South  
600.17'East  
X = 2145131.00'  
Y = 140724.00'  
330' FSL - SEC30  
400' FEL - SEC30



# Jane 3406 1-30H

Company Name : SandRidge Energy

Map Units : US ft

Vertical Reference Datum (VRD) : Mean Sea Level

Projected Coordinate System : NAD27 / Kansas South

Comment :

## Field Name

SandRidge Energy -  
Harper County, KS S  
NAD 27 US FT

Units : US ft

North Reference : Grid

Convergence Angle : 0.30

Northing : 145430.00 US ft

Latitude : 37° 3' 54.05"

Easting : 2144522.00 US ft

Longitude : -98° 0' 17.02"

## Position

Site TVD Reference : GL

Elevation above Mean Sea Level: 1320.00 US ft

Comment :

## Position (Offsets relative to Site Centre)

+N / -S : 0.00 US ft

Northing : 145430.00 US ft

Latitude : 37° 3' 54.05"

+E / -W : 0.00 US ft

Easting : 2144522.00 US ft

Longitude : -98° 0' 17.02"

## Slot Name

Jane 3406 1-30H

Slot TVD Reference : Ground Elevation

Elevation above Mean Sea Level : 1320.00 US ft

Comment :

Type : Main well

Rig Height *Drill Floor* : 19.00 US ft

Relative to Mean Sea Level: 1339.00 US ft

Closure Distance : 4723.44 US ft

Vertical Section (Position of Origin Relative to Site )

+N / -S : 0.00 US ft

+E / -W : 0.00 US ft

Az : 179.36°

UWI :

Comment :

Closure Azimuth : 172.7°



**Target Set**

Name : Jane 3406 1-30H T2      Number of Targets : 1

**Comment :**

**TargetName:**

PBHL

**Shapes:**

Cuboid

**Position (Relative to Site centre)**

Northing : 140724.00 US ft  
 Easting : 2145131.00US ft

Latitude : 37°3'7.49"  
 Longitude : -98°0'9.81"

+N / -S : -4706.00US ft  
 +E / -W : 609.00 US ft  
 TVD (Drill Floor) : 4731.00 US ft  
 SS : -3392.00 US ft

**Orientation**  
 Azimuth : 0.00°  
**Dimensions**  
 Length : 20.00 US ft

**Inclination** : 0.00°  
**Breadth** : 20.00 US ft

**Height** : 20.00 US ft

**Survey Name :Definitive Survey**

Date : 19/Aug/2014

Survey Tool :

Comment :

Company :

**Magnetic Model**

Model Name: BGGM      Date: 18/Aug/2014      Field Strength: 51570.6 nT      Declination: 4.48°

Dip: 65.19°

**Survey Tool Ranges**

**Name**

Start MD (us ft)

End MD (us ft)

Source Survey

Inc Only 3deg\_WFTR

0.00

740.00

SRE Rig SVY

MWD

740.00

9186.00

WFT MWD SVY

**Well path created using minimum curvature**

**Survey Points (Relative to Site centre, TVD relative to Drill Floor)**

| MD (US ft) | Inc (°) | Az (°) | TVD (US ft) | N. Offset (US ft) | E. Offset (US ft) | VS (US ft) | DLS (%/100 US ft) | Comment           |
|------------|---------|--------|-------------|-------------------|-------------------|------------|-------------------|-------------------|
| 0.00       | 0.00    | 0.00   | 0.00        | 0.00              | 0.00              | -0.00      | 0.00              |                   |
| 250.00     | 0.30    | 136.81 | 250.00      | -0.48             | 0.45              | 0.48       | 0.12              | First SRE Rig SVY |
| 488.00     | 0.30    | 136.81 | 488.00      | -1.39             | 1.30              | 1.40       | 0.00              |                   |
| 740.00     | 0.30    | 136.81 | 739.99      | -2.35             | 2.20              | 2.37       | 0.00              | Last SRE Rig SVY  |
| 887.00     | 0.51    | 136.81 | 886.99      | -3.11             | 2.92              | 3.14       | 0.14              | First WFT/MWD SVY |
| 1392.00    | 0.51    | 75.82  | 1391.97     | -4.19             | 6.63              | 4.27       | 0.10              |                   |
| 1882.00    | 0.22    | 204.12 | 1881.97     | -4.52             | 8.36              | 4.61       | 0.14              |                   |
| 2368.00    | 0.41    | 226.29 | 2367.96     | -6.57             | 6.72              | 6.65       | 0.05              |                   |
| 2856.00    | 0.35    | 264.08 | 2855.95     | -7.93             | 3.98              | 7.98       | 0.05              |                   |
| 3361.00    | 0.78    | 285.44 | 3360.92     | -7.18             | -0.87             | 7.17       | 0.09              |                   |
| 3771.00    | 1.09    | 229.74 | 3770.88     | -8.95             | -6.53             | 8.88       | 0.22              |                   |
| 3802.00    | 1.13    | 234.37 | 3801.87     | -9.32             | -7.01             | 9.24       | 0.32              |                   |

5D Survey Report

| MD (US ft) | Inc (°) | centre-TVD relative to Drill Floor (US ft) | Az (°) | TVD (US ft) | A. Offset (US ft) | E. Offset (US ft) | VS (US ft) | DLS (%/100 US ft) | Comment |
|------------|---------|--|--------|-------------|-------------------|-------------------|------------|-------------------|---------|
| 3834.00    | 0.70    |  | 223.53 | 3833.87     | -9.65             | -7.40             | 9.56       | 1.44              |         |
| 3865.00    | 2.03    |  | 115.93 | 3864.86     | -10.02            | -7.04             | 9.94       | 7.54              |         |
| 3895.00    | 4.77    |  | 113.42 | 3895.80     | -10.78            | -5.36             | 10.72      | 8.85              |         |
| 3928.00    | 7.79    |  | 115.08 | 3927.61     | -12.22            | -2.17             | 12.20      | 9.45              |         |
| 3959.00    | 9.98    |  | 115.76 | 3958.23     | -14.28            | 2.15              | 14.31      | 7.07              |         |
| 3991.00    | 11.77   |  | 114.87 | 3989.66     | -16.86            | 7.61              | 16.95      | 5.62              |         |
| 4023.00    | 13.51   |  | 114.70 | 4020.88     | -19.80            | 13.97             | 19.95      | 5.44              |         |
| 4055.00    | 16.07   |  | 115.16 | 4051.82     | -23.24            | 21.37             | 23.48      | 8.01              |         |
| 4086.00    | 19.13   |  | 116.63 | 4081.36     | -27.34            | 29.80             | 27.67      | 9.97              |         |
| 4118.00    | 22.31   |  | 118.19 | 4111.29     | -32.56            | 39.84             | 33.01      | 10.09             |         |
| 4149.00    | 25.44   |  | 118.70 | 4139.63     | -38.54            | 50.87             | 39.11      | 10.12             |         |
| 4181.00    | 27.94   |  | 119.29 | 4168.22     | -45.51            | 63.44             | 46.22      | 7.86              |         |
| 4212.00    | 30.17   |  | 119.56 | 4195.32     | -52.91            | 76.55             | 53.76      | 7.21              |         |
| 4244.00    | 32.38   |  | 121.01 | 4222.67     | -61.29            | 90.89             | 62.30      | 7.30              |         |
| 4275.00    | 34.34   |  | 123.80 | 4248.56     | -70.43            | 105.27            | 71.60      | 8.03              |         |
| 4307.00    | 35.20   |  | 126.53 | 4274.85     | -80.95            | 120.19            | 82.28      | 5.56              |         |
| 4338.00    | 37.32   |  | 129.29 | 4299.84     | -92.22            | 134.64            | 93.71      | 8.63              |         |
| 4370.00    | 39.65   |  | 130.74 | 4324.89     | -105.02           | 149.89            | 106.69     | 7.81              |         |
| 4401.00    | 41.66   |  | 131.82 | 4348.41     | -118.35           | 165.06            | 120.19     | 6.87              |         |
| 4432.00    | 44.34   |  | 132.74 | 4371.08     | -132.57           | 180.70            | 134.59     | 8.88              |         |
| 4464.00    | 47.44   |  | 133.86 | 4393.35     | -148.33           | 197.41            | 150.53     | 10.01             |         |
| 4496.00    | 50.60   |  | 134.65 | 4414.33     | -165.19           | 214.71            | 167.58     | 10.05             |         |
| 4527.00    | 53.34   |  | 135.18 | 4433.43     | -182.43           | 232.00            | 185.01     | 8.94              |         |
| 4559.00    | 55.08   |  | 135.04 | 4452.14     | -200.82           | 250.32            | 203.61     | 5.45              |         |
| 4590.00    | 56.62   |  | 134.63 | 4469.54     | -218.91           | 268.51            | 221.90     | 5.09              |         |
| 4622.00    | 58.41   |  | 134.47 | 4486.73     | -237.85           | 287.75            | 241.04     | 5.61              |         |
| 4653.00    | 60.29   |  | 135.45 | 4502.53     | -256.69           | 306.62            | 260.10     | 6.65              |         |
| 4685.00    | 61.97   |  | 136.86 | 4517.98     | -276.90           | 326.02            | 280.53     | 6.52              |         |
| 4716.00    | 63.33   |  | 138.30 | 4532.23     | -297.23           | 344.59            | 301.06     | 6.02              |         |
| 4748.00    | 64.39   |  | 139.30 | 4546.32     | -318.84           | 363.52            | 322.88     | 4.34              |         |
| 4779.00    | 65.82   |  | 140.90 | 4559.37     | -340.42           | 381.55            | 344.66     | 6.57              |         |
| 4811.00    | 67.24   |  | 142.72 | 4572.12     | -363.49           | 399.69            | 367.93     | 6.85              |         |
| 4842.00    | 68.98   |  | 145.40 | 4583.68     | -386.77           | 416.57            | 391.40     | 9.79              |         |
| 4874.00    | 70.03   |  | 147.59 | 4594.88     | -411.77           | 433.11            | 416.58     | 7.20              |         |
| 4905.00    | 70.59   |  | 149.92 | 4605.33     | -436.72           | 448.25            | 441.70     | 7.30              |         |
| 4937.00    | 71.35   |  | 152.91 | 4615.77     | -463.28           | 462.72            | 468.42     | 9.15              |         |
| 4968.00    | 72.19   |  | 155.83 | 4625.47     | -489.82           | 475.46            | 495.10     | 9.35              |         |
| 4999.00    | 72.82   |  | 158.83 | 4634.79     | -517.10           | 486.85            | 522.51     | 9.45              |         |
| 5031.00    | 73.39   |  | 161.52 | 4644.09     | -545.90           | 497.23            | 551.42     | 8.24              |         |
| 5063.00    | 73.99   |  | 165.11 | 4653.08     | -575.32           | 506.04            | 580.93     | 10.93             |         |
| 5095.00    | 74.07   |  | 167.57 | 4661.88     | -605.21           | 513.31            | 610.90     | 7.39              |         |

5D Survey Report

| Survey Points (Relative to Site - centre, TJD, relative to - Drill Floor) |            |           |                |                      |                      |                |                     |         |  |  |
|---|------------|-----------|----------------|----------------------|----------------------|----------------|---------------------|---------|--|--|
| MB<br>(US ft)   | Inc<br>(°) | Az<br>(°) | TVD<br>(US ft) | N. Offset<br>(US ft) | E. Offset<br>(US ft) | V/S<br>(US ft) | DLS<br>(#100 US ft) | Comment |  |  |
| 5127.00   | 73.94      | 170.25    | 4670.70        | -635.39              | 519.23               | 641.15         | 8.06                |         |  |  |
| 5158.00   | 74.06      | 172.23    | 4679.25        | -664.84              | 523.76               | 670.65         | 6.15                |         |  |  |
| 5190.00   | 74.50      | 174.07    | 4687.92        | -695.42              | 527.44               | 701.27         | 5.70                |         |  |  |
| 5221.00   | 76.53      | 175.18    | 4695.67        | -725.30              | 530.25               | 731.18         | 7.41                |         |  |  |
| 5253.00   | 78.36      | 176.10    | 4702.63        | -756.45              | 532.62               | 762.35         | 6.37                |         |  |  |
| 5284.00   | 80.60      | 177.97    | 4708.29        | -786.88              | 534.19               | 792.80         | 9.35                |         |  |  |
| 5316.00   | 82.29      | 178.38    | 4713.05        | -818.51              | 535.20               | 824.44         | 5.43                |         |  |  |
| 5347.00   | 84.11      | 178.59    | 4716.72        | -849.28              | 536.02               | 855.21         | 5.91                |         |  |  |
| 5379.00   | 84.61      | 178.39    | 4719.86        | -881.11              | 536.86               | 887.05         | 1.68                |         |  |  |
| 5410.00   | 84.89      | 177.91    | 4722.70        | -911.97              | 537.85               | 917.92         | 1.79                |         |  |  |
| 5442.00   | 85.24      | 178.06    | 4725.45        | -943.83              | 538.97               | 949.79         | 1.19                |         |  |  |
| 5473.00   | 85.58      | 177.81    | 4727.93        | -974.71              | 540.09               | 980.68         | 1.36                |         |  |  |
| 5504.00   | 85.74      | 177.93    | 4730.28        | -1005.60             | 541.24               | 1011.58        | 0.64                |         |  |  |
| 5536.00   | 85.93      | 177.25    | 4732.60        | -1037.49             | 542.58               | 1043.48        | 2.20                |         |  |  |
| 5568.00   | 86.01      | 177.24    | 4734.85        | -1069.37             | 544.11               | 1075.38        | 0.25                |         |  |  |
| 5599.00   | 86.15      | 177.26    | 4736.97        | -1100.26             | 545.60               | 1106.29        | 0.46                |         |  |  |
| 5611.00   | 86.85      | 177.09    | 4737.70        | -1112.22             | 546.19               | 1118.26        | 6.00                |         |  |  |
| 5741.00   | 88.11      | 176.98    | 4743.42        | -1241.92             | 552.90               | 1248.02        | 0.97                |         |  |  |
| 5801.00   | 88.67      | 177.57    | 4745.11        | -1301.83             | 555.75               | 1307.96        | 1.36                |         |  |  |
| 5863.00   | 88.95      | 178.29    | 4746.39        | -1363.78             | 557.99               | 1369.92        | 1.25                |         |  |  |
| 5924.00   | 88.95      | 177.83    | 4747.51        | -1424.73             | 560.06               | 1430.90        | 0.75                |         |  |  |
| 5955.00   | 88.95      | 177.86    | 4748.08        | -1455.70             | 561.22               | 1461.88        | 0.10                |         |  |  |
| 6018.00   | 88.46      | 177.86    | 4749.50        | -1518.64             | 563.58               | 1524.84        | 0.78                |         |  |  |
| 6080.00   | 88.95      | 178.14    | 4750.90        | -1580.59             | 565.74               | 1586.81        | 0.91                |         |  |  |
| 6142.00   | 89.16      | 178.06    | 4751.93        | -1642.55             | 567.79               | 1648.79        | 0.36                |         |  |  |
| 6205.00   | 90.35      | 178.90    | 4752.20        | -1705.52             | 569.47               | 1711.78        | 2.31                |         |  |  |
| 6268.00   | 90.63      | 178.45    | 4751.66        | -1768.50             | 570.92               | 1774.77        | 0.84                |         |  |  |
| 6332.00   | 90.00      | 178.51    | 4751.31        | -1832.48             | 572.62               | 1838.76        | 0.99                |         |  |  |
| 6395.00   | 90.43      | 179.19    | 4751.07        | -1895.47             | 573.88               | 1901.76        | 1.28                |         |  |  |
| 6457.00   | 90.07      | 178.99    | 4750.80        | -1957.46             | 574.87               | 1963.76        | 0.66                |         |  |  |
| 6521.00   | 89.86      | 179.24    | 4750.84        | -2021.45             | 575.86               | 2027.75        | 0.51                |         |  |  |
| 6585.00   | 90.07      | 179.20    | 4750.88        | -2085.44             | 576.73               | 2091.75        | 0.33                |         |  |  |
| 6648.00   | 90.49      | 179.10    | 4750.57        | -2148.43             | 577.66               | 2154.75        | 0.69                |         |  |  |
| 6711.00   | 90.49      | 179.29    | 4750.03        | -2211.43             | 578.55               | 2217.75        | 0.30                |         |  |  |
| 6774.00   | 89.58      | 179.36    | 4749.99        | -2274.42             | 579.29               | 2280.75        | 1.45                |         |  |  |
| 6838.00   | 89.93      | 179.61    | 4750.27        | -2338.42             | 579.87               | 2344.75        | 0.67                |         |  |  |
| 6901.00   | 89.51      | 179.67    | 4750.57        | -2401.42             | 580.26               | 2407.75        | 0.67                |         |  |  |
| 6964.00   | 88.88      | 179.96    | 4751.46        | -2464.41             | 580.46               | 2470.74        | 1.10                |         |  |  |
| 7026.00   | 88.95      | 179.48    | 4752.63        | -2526.40             | 580.77               | 2532.73        | 0.78                |         |  |  |
| 7089.00   | 89.37      | 179.61    | 4753.56        | -2589.39             | 581.27               | 2595.72        | 0.70                |         |  |  |
| 7152.00   | 88.81      | 179.06    | 4754.56        | -2652.38             | 582.00               | 2658.71        | 1.25                |         |  |  |

5D Survey Report

| Survey Points (Relative to Site centre, TVD relative to Drill Floor) |            |           |                |                      |                      |                 |                         |                        |                  |  |
|--|------------|-----------|----------------|----------------------|----------------------|-----------------|-------------------------|------------------------|------------------|--|
| MD<br>(US ft)  | Inc<br>(°) | Az<br>(°) | TVD<br>(US ft) | N. Offset<br>(US ft) | E. Offset<br>(US ft) | V.S.<br>(US ft) | D.I.S.<br>(%/100 US ft) | D.I.S.<br>(%100 US ft) | Comment          |  |
| 7215.00  | 88.46      | 178.35    | 4756.06        | -2715.34             | 583.42               | 2721.69         | 1.26                    |                        |                  |  |
| 7279.00  | 89.09      | 179.75    | 4757.43        | -2779.32             | 584.48               | 2785.67         | 2.40                    |                        |                  |  |
| 7342.00  | 90.84      | 179.52    | 4757.46        | -2842.31             | 584.88               | 2848.67         | 2.80                    |                        |                  |  |
| 7404.00  | 91.33      | 179.47    | 4756.29        | -2904.30             | 585.43               | 2910.66         | 0.79                    |                        |                  |  |
| 7467.00  | 91.05      | 179.25    | 4754.98        | -2967.28             | 586.13               | 2973.64         | 0.57                    |                        |                  |  |
| 7530.00  | 91.47      | 179.60    | 4753.60        | -3030.26             | 586.77               | 3036.63         | 0.87                    |                        |                  |  |
| 7593.00  | 91.75      | 179.56    | 4751.83        | -3093.24             | 587.23               | 3099.60         | 0.45                    |                        |                  |  |
| 7657.00  | 93.00      | 179.48    | 4749.17        | -3157.18             | 587.76               | 3163.54         | 1.96                    |                        |                  |  |
| 7731.00  | 92.59      | 178.95    | 4745.57        | -3231.08             | 588.78               | 3237.46         | 0.90                    |                        |                  |  |
| 7795.00  | 92.45      | 179.04    | 4742.75        | -3295.01             | 589.90               | 3301.39         | 0.26                    |                        |                  |  |
| 7858.00  | 92.45      | 178.91    | 4740.06        | -3357.94             | 591.02               | 3364.33         | 0.21                    |                        |                  |  |
| 7921.00  | 91.96      | 179.62    | 4737.63        | -3420.89             | 591.83               | 3427.29         | 1.37                    |                        |                  |  |
| 7984.00  | 91.61      | 179.92    | 4735.67        | -3483.86             | 592.08               | 3490.25         | 0.73                    |                        |                  |  |
| 8046.00  | 90.77      | 179.61    | 4734.38        | -3545.84             | 592.34               | 3552.24         | 1.44                    |                        |                  |  |
| 8109.00  | 90.63      | 179.66    | 4733.61        | -3608.84             | 592.74               | 3615.23         | 0.24                    |                        |                  |  |
| 8172.00  | 90.70      | 179.60    | 4732.88        | -3671.83             | 593.15               | 3678.23         | 0.15                    |                        |                  |  |
| 8236.00  | 90.77      | 178.89    | 4732.06        | -3735.82             | 593.99               | 3742.22         | 1.11                    |                        |                  |  |
| 8299.00  | 90.28      | 179.82    | 4731.49        | -3798.81             | 594.70               | 3805.22         | 1.67                    |                        |                  |  |
| 8362.00  | 90.63      | 179.48    | 4730.99        | -3861.81             | 595.08               | 3868.22         | 0.77                    |                        |                  |  |
| 8425.00  | 89.86      | 179.56    | 4730.72        | -3924.81             | 595.61               | 3931.21         | 1.23                    |                        |                  |  |
| 8488.00  | 90.07      | 180.17    | 4730.75        | -3987.81             | 595.76               | 3994.21         | 1.02                    |                        |                  |  |
| 8552.00  | 89.79      | 179.96    | 4730.83        | -4051.81             | 595.69               | 4058.21         | 0.55                    |                        |                  |  |
| 8614.00  | 89.37      | 179.75    | 4731.29        | -4113.80             | 595.84               | 4120.20         | 0.76                    |                        |                  |  |
| 8677.00  | 89.02      | 179.74    | 4732.17        | -4176.80             | 596.12               | 4183.20         | 0.56                    |                        |                  |  |
| 8740.00  | 87.27      | 179.60    | 4734.21        | -4239.76             | 596.49               | 4246.16         | 2.79                    |                        |                  |  |
| 8803.00  | 87.13      | 179.52    | 4737.29        | -4302.68             | 596.97               | 4309.08         | 0.26                    |                        |                  |  |
| 8866.00  | 86.78      | 179.35    | 4740.64        | -4365.59             | 597.59               | 4371.99         | 0.62                    |                        |                  |  |
| 8929.00  | 86.71      | 179.85    | 4744.21        | -4428.49             | 598.03               | 4434.89         | 0.80                    |                        |                  |  |
| 8992.00  | 87.41      | 179.87    | 4747.44        | -4491.40             | 598.18               | 4497.81         | 1.11                    |                        |                  |  |
| 9055.00  | 87.13      | 179.26    | 4750.44        | -4554.33             | 598.66               | 4560.73         | 1.06                    |                        |                  |  |
| 9118.00  | 87.13      | 179.36    | 4753.60        | -4617.25             | 599.42               | 4623.65         | 0.16                    |                        |                  |  |
| 9126.00  | 87.06      | 179.37    | 4754.00        | -4625.24             | 599.51               | 4631.64         | 0.88                    |                        | Last WFT/MWD Svy |  |
| 9186.00  | 87.06      | 179.37    | 4757.08        | -4685.15             | 600.17               | 4691.57         | 0.00                    |                        | Proj. to TD      |  |

# Jane 3406 1-30H

## Perforations

2 shots per foot

| Perforations |            |            |                          |
|--------------|------------|------------|--------------------------|
| Date         | Top (ftKB) | Blm (ftKB) | Zone                     |
| 10/1/2014    | 5,782.0    | 5,784.0    | Miss Lime, Original Hole |
| 10/1/2014    | 5,881.0    | 5,883.0    | Miss Lime, Original Hole |
| 10/1/2014    | 5,979.0    | 5,981.0    | Miss Lime, Original Hole |
| 10/1/2014    | 6,079.0    | 6,081.0    | Miss Lime, Original Hole |
| 10/1/2014    | 6,172.0    | 6,174.0    | Miss Lime, Original Hole |
| 10/1/2014    | 6,271.0    | 6,273.0    | Miss Lime, Original Hole |
| 10/1/2014    | 6,371.0    | 6,373.0    | Miss Lime, Original Hole |
| 10/1/2014    | 6,471.0    | 6,473.0    | Miss Lime, Original Hole |
| 10/1/2014    | 6,571.0    | 6,573.0    | Miss Lime, Original Hole |
| 10/1/2014    | 6,666.0    | 6,668.0    | Miss Lime, Original Hole |
| 10/1/2014    | 6,766.0    | 6,768.0    | Miss Lime, Original Hole |
| 10/1/2014    | 6,862.0    | 6,864.0    | Miss Lime, Original Hole |
| 10/1/2014    | 6,948.0    | 6,950.0    | Miss Lime, Original Hole |
| 10/1/2014    | 7,048.0    | 7,050.0    | Miss Lime, Original Hole |
| 10/1/2014    | 7,146.0    | 7,148.0    | Miss Lime, Original Hole |
| 10/1/2014    | 7,241.0    | 7,243.0    | Miss Lime, Original Hole |
| 10/1/2014    | 7,341.0    | 7,343.0    | Miss Lime, Original Hole |
| 10/1/2014    | 7,440.0    | 7,442.0    | Miss Lime, Original Hole |
| 10/1/2014    | 7,534.0    | 7,536.0    | Miss Lime, Original Hole |
| 10/1/2014    | 7,628.0    | 7,630.0    | Miss Lime, Original Hole |
| 10/1/2014    | 7,730.0    | 7,732.0    | Miss Lime, Original Hole |
| 10/1/2014    | 7,831.0    | 7,833.0    | Miss Lime, Original Hole |
| 10/1/2014    | 7,932.0    | 7,934.0    | Miss Lime, Original Hole |
| 10/1/2014    | 8,033.0    | 8,035.0    | Miss Lime, Original Hole |
| 10/1/2014    | 8,132.0    | 8,134.0    | Miss Lime, Original Hole |
| 10/1/2014    | 8,231.0    | 8,233.0    | Miss Lime, Original Hole |
| 10/1/2014    | 8,330.0    | 8,332.0    | Miss Lime, Original Hole |
| 10/1/2014    | 8,430.0    | 8,432.0    | Miss Lime, Original Hole |
| 9/30/2014    | 8,529.0    | 8,531.0    | Miss Lime, Original Hole |
| 9/30/2014    | 8,629.0    | 8,631.0    | Miss Lime, Original Hole |
| 9/30/2014    | 8,729.0    | 8,731.0    | Miss Lime, Original Hole |
| 9/30/2014    | 8,829.0    | 8,831.0    | Miss Lime, Original Hole |
| 9/30/2014    | 8,929.0    | 8,931.0    | Miss Lime, Original Hole |
| 9/30/2014    | 9,028.0    | 9,030.0    | Miss Lime, Original Hole |
| 9/30/2014    | 9,119.0    | 9,121.0    | Miss Lime, Original Hole |

# Hydraulic Fracturing Fluid Product Component Information Disclosure

|                                |                    |
|--------------------------------|--------------------|
| Job Start Date:                | 9/30/2014          |
| Job End Date:                  | 10/1/2014          |
| State:                         | Kansas             |
| County:                        | Harper             |
| API Number:                    | 15-077-22084-01-00 |
| Operator Name:                 | SandRidge Energy   |
| Well Name and Number:          | Jane 3406 #1-30H   |
| Longitude:                     | -98.00472543       |
| Latitude:                      | 37.06501000        |
| Datum:                         | NAD27              |
| Federal/Tribal Well:           | NO                 |
| True Vertical Depth:           | 4,757              |
| Total Base Water Volume (gal): | 2,727,732          |
| Total Base Non Water Volume:   | 0                  |



## Hydraulic Fracturing Fluid Composition:

| Trade Name                   | Supplier      | Purpose                       | Ingredients  | Chemical Abstract Service Number (CAS #) | Maximum Ingredient Concentration in Additive (% by mass)** | Maximum Ingredient Concentration in HF Fluid (% by mass)** | Comments |
|------------------------------|---------------|-------------------------------|--|--|--|--|----------|
| Water                        | Well Operator | Carrier/Base Fluid            | Water  | 7732-18-5                                | 100.00000  | 95.83717   | None     |
| 40/70 Premium Preferred Sand | CAF           | Proppant, Scouring, Fill      | Crystalline Silica (quartz)                            | 14808-60-7                               | 100.00000  | 2.09434  | None     |
| 15% Uninhibited HCl Acid     | CAF           | Etching, Dissolving, Cleaning | Water  | 7732-18-5                                | 85.00000   | 0.89891  | None     |
|                              |               |                               | Hydrochloric Acid                                      | 7647-01-0                                | 15.00000   | 0.15863  | None     |
|                              |               |                               | Water  | 7732-18-5                                | 24.00000   | 0.00021  | None     |
|                              |               |                               | Methanol   | 67-56-1                                  | 9.00000  | 0.00008  | None     |
|                              |               |                               | Tar Bases-quinoline derivs-benzyl chloride/quaternized | 72480-70-7                               | 8.40000  | 0.00007  | None     |
|                              |               |                               | Ethylene Glycol  | 107-21-1                                 | 8.40000  | 0.00007  | None     |
|                              |               |                               | Cinnamaldehyde   | 104-55-2                                 | 8.40000  | 0.00007  | None     |
|                              |               |                               | N-Dimethylformamide                                    | 68-12-2                                  | 8.40000  | 0.00007  | None     |
|                              |               |                               | Isopropyl Alcohol                                      | 67-63-0                                  | 8.40000  | 0.00007  | None     |
|                              |               |                               | Triethyl Phosphate                                     | 78-40-0                                  | 8.40000  | 0.00007  | None     |
|                              |               |                               | 2-Butoxyethanol  | 111-76-2                                 | 8.40000  | 0.00007  | None     |
|                              |               |                               | Ethoxylated Nonylphenol                                | 68412-54-4                               | 8.40000  | 0.00007  | None     |

|                         |     |                          |   |             |          |         |      |
|-------------------------|-----|--------------------------|---|-------------|----------|---------|------|
| 40/70 Resin Coated Sand | CAF | Proppant, Scouring, Fill |   |             |          |         |      |
|                         |     |                          | Crystalline Silica (quartz)             | 14808-60-7  | 97.00000 | 0.87600 | None |
| IC-2L                   | CAF | Iron Control             |   |             |          |         |      |
|                         |     |                          | Water                                   | 7732-18-5   | 55.50000 | 0.02422 | None |
|                         |     |                          | Methanol                                | 67-56-1     | 12.70000 | 0.00556 | None |
|                         |     |                          | Dinanylphenyl Polyoxyethylene           | 201602-88-2 | 9.10000  | 0.00397 | None |
|                         |     |                          | Nonylphenal Polyethylene Glycol Ether   | 127087-87-0 | 9.10000  | 0.00397 | None |
|                         |     |                          | Poly(ethylene Oxide)                    | 25322-68-3  | 9.10000  | 0.00397 | None |
|                         |     |                          | Isopropanol                             | 67-63-0     | 4.60000  | 0.00199 | None |
|                         |     |                          | Acetic Acid                             | 64-19-7     | 80.00000 | 0.00028 | None |
|                         |     |                          | Water                                   | 7732-18-5   | 54.50000 | 0.00025 | None |
|                         |     |                          | Isopropanol                             | 67-63-0     | 13.60000 | 0.00006 | None |
|                         |     |                          | Polyglycol Ethers                       | 52624-57-4  | 13.60000 | 0.00006 | None |
|                         |     |                          | Methanol                                | 67-56-1     | 9.00000  | 0.00004 | None |
|                         |     |                          | Glycol Ether EB                         | 111-76-2    | 9.00000  | 0.00004 | None |
| FR-1                    | CAF | Friction Reducer         |   |             |          |         |      |
|                         |     |                          | Water                                   | 7732-18-5   | 50.00000 | 0.00507 | None |
|                         |     |                          | Phosphoric Acid                         | 7664-38-2   | 16.80000 | 0.00170 | None |
|                         |     |                          | Hydrochloric Acid                       | 7647-01-0   | 16.80000 | 0.00170 | None |
|                         |     |                          | Petroleum Hydrotreated Light Distillate | 64742-47-8  | 2.50000  | 0.00131 | None |
|                         |     |                          | Ethylene Glycol                         | 107-21-1    | 12.70000 | 0.00129 | None |
|                         |     |                          | Methanol                                | 67-56-1     | 3.60000  | 0.00037 | None |

Ingredients shown above are subject to 29 CFR 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS.

\* Total Water Volume sources may include fresh water, produced water, and/or recycled water

\*\* Information is based on the maximum potential for concentration and thus the total may be over 100%

Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided.

Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)