



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1195453
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 Recompletion Date | Date Reached TD | Completion Date or 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: _____

1195453

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 <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____ | <input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample 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 <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <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 Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i> | Depth |
|----------------|---|--|-------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| | | | | |
|----------------|-------|---------|------------|---|
| TUBING RECORD: | Size: | Set At: | Packer At: | Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No |
|----------------|-------|---------|------------|---|

| | |
|---|--|
| Date of First, Resumed Production, SWD or ENHR. | Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____ |
|---|--|

| Estimated Production Per 24 Hours | Oil Bbls. | Gas Mcf | Water Bbls. | Gas-Oil Ratio | Gravity |
|-----------------------------------|-----------|---------|-------------|---------------|---------|
| | | | | | |

| | | |
|--|---|---|
| DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i> | METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i> | PRODUCTION INTERVAL: _____ _____ |
|--|---|---|



Circle D 2629 1-18H
Nomac 52

Gray County, KS
X= 1415378.57'
Y= 414494.37'

Plan 2 vs Actual

KB: 2774'
GL: 2755'



Plan Data for Circle D 2629 1-18H

| DogLeg Severity Unit: /100.00ft | | Plan Point Information: | | Position offsets from Slot centre | |
|---------------------------------|-------|-------------------------|---------|-----------------------------------|---------|
| MD | Inc | Az | TVD | +N/-S | +E/-W |
| (USft) | (°) | (°) | (USft) | (USft) | Vsec |
| 4928.00 | 56.44 | 301.89 | 4822.53 | 176.41 | 313.69 |
| 5002.00 | 63.35 | 300.45 | 4859.63 | 209.50 | 343.6 |
| 5076.93 | 63.35 | 300.45 | 4893.23 | 243.44 | 349.4 |
| 5360.38 | 86.00 | 301.59 | 4967.66 | 383.53 | 0.00 |
| 5660.38 | 86.00 | 301.59 | 4988.59 | 540.31 | 8.00 |
| 5700.75 | 90.00 | 302.14 | 4990.00 | 561.61 | 7.8 |
| 7494.17 | 90.00 | 302.14 | 4990.00 | 1515.63 | 0.00 |
| | | | | -2412.57 | 2849.15 |
| | | | | | 0.00 |

Target Set Information:

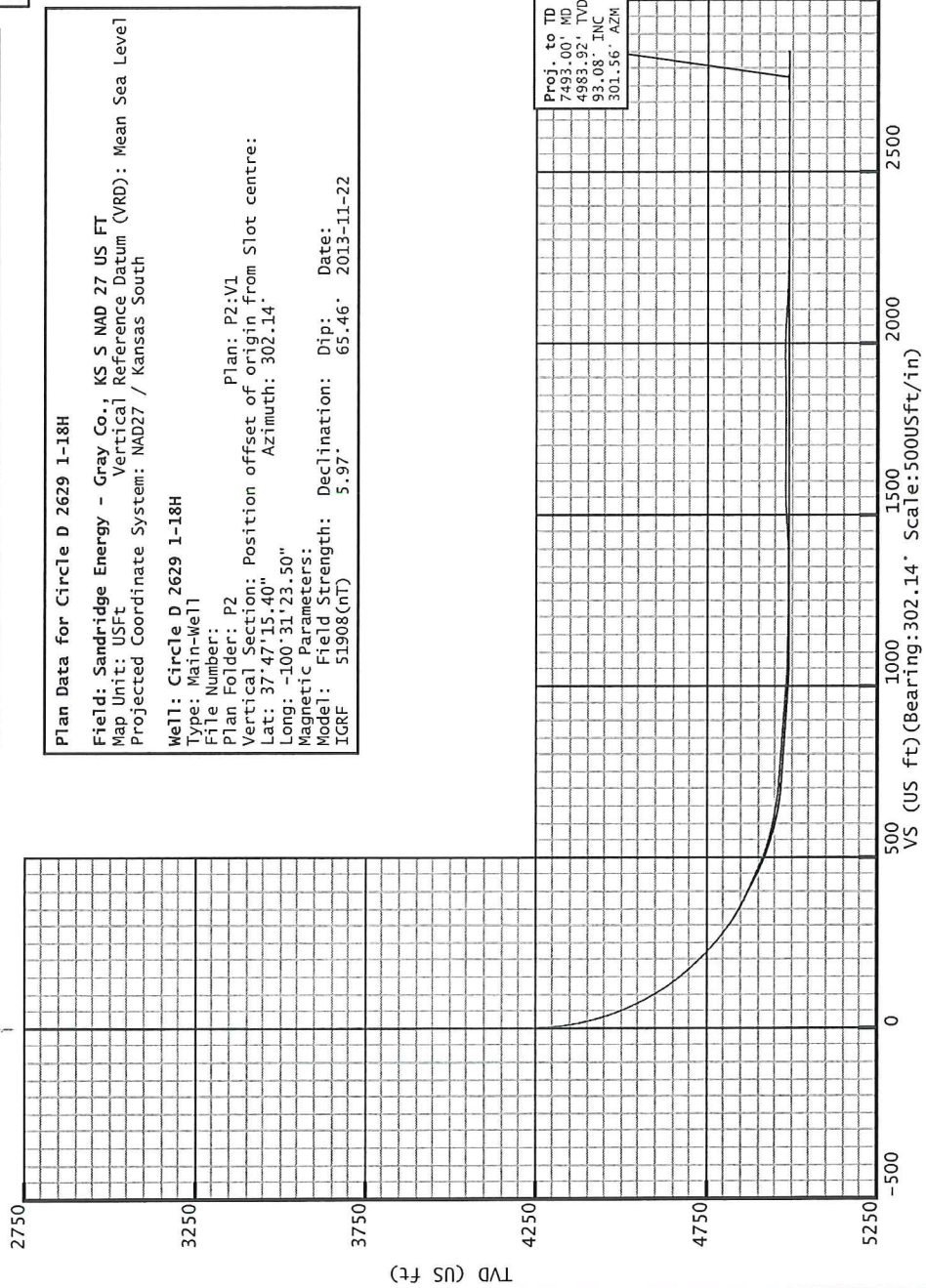
| Name | TVD (USft) | Northing (USft) | Easting (USft) | Lat (°/'/'") | Long (°/'/'") |
|--------------|------------|-----------------|----------------|---------------|---------------|
| PBHL 4990.00 | 416010.00 | 1412966.00 | 37'47'29.9" | -100°31'54.0" | |

Plan Data for Circle D 2629 1-18H

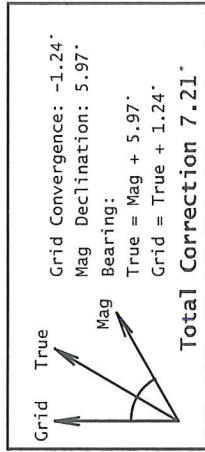
Field: Sandridge Energy - Gray Co., KS S NAD 27 US FT
Map Unit: USft Vertical Reference Datum (VRD): Mean Sea Level
Projected Coordinate System: NAD27 / Kansas South

Well: Circle D 2629 1-18H

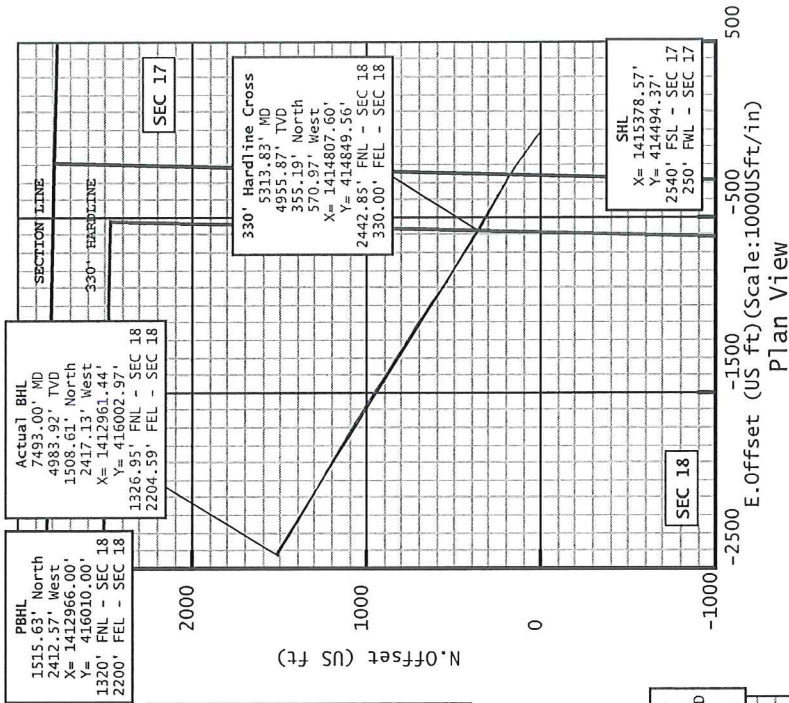
Type: Main-Well
File Number: P2
Plan Folder: P2
Vertical Section: Position offset of origin from Slot centre:
Lat: 37°47'15.40" Long: -100°31'23.50"
Magnetic Parameters:
Model: Field Strength: Declination: Dip: Date:
ICRF 51908(mT) 5.97' 65.46' 2013-11-22



Vertical Section View



Vertical Section 302.14° AZM



Circle D 2629 1-18H
Circle D 2629 1-18H



Weatherford

Created By: Gary Rhodes Date: 12/03/2013
Weatherford Drilling Services
6525 N. Meridian, OK 73121
OKlahoma, OK 73121
+1-405-773-1100 Main
+1-405-773-1887 Fax

Circle D 2629 1-18H

Company Name : Sandridge Energy

Map Units : US ft

Vertical Reference Datum (VRD) : Mean Sea Level

Projected Coordinate System : NAD27 / Kansas South

Comment :

Units : US ft North Reference : Grid Convergence Angle : -1.24

Latitude : 37° 47' 15.40"
Longitude : -100° 31' 23.50"

Position
Northing : 414494.37 US ft
Easting : 1415378.57 US ft

Elevation above Mean Sea Level: 2755.00 US ft

Comment :

Position (Offsets relative to Site Centre)

Latitude : 37°47'15.40"
Longitude : -100°31'23.50"

Northing : 414494.37 US ft
Easting : 1415378.57 US ft

Slot TVD Reference : Ground Elevation

Elevation above Mean Sea Level : 2755.00 US ft

Comment :

Type : Main well

Rig Height *Drill Floor* : 19.00 US ft

Relative to Mean Sea Level: 2774.00 US ft

Closure Distance : 2849.28 US ft

Vertical Section (Position of Origin Relative to Slot)

+N / -S : 0.00 US ft

+E / -W : 0.00 US ft

Az : 302.14°

UWI :

Comment :

Closure Azimuth : 301.97°

Field Name

Sandridge Energy - Gray
Co., KS S NAD 27 US FT

Site Name

Circle D 2629 1-18H

Slot Name

Circle D 2629 1-18H

Well Name

Circle D 2629 1-18H

Target Set

Name : Circle D 2629 1-18H - T2 Number of Targets : 1

Comment :

TargetName:

PBHL

Shape:

Cuboid

Position (Relative to Slot centre)

Northing : 416010.00 US ft

Easting : 1412966.00US ft

Latitude : 37°47'29.86"

Longitude : -100°31'53.96"

TVD (Drill Floor) : 4990.00 US ft

SS : -2216.00 US ft

Orientation

Azimuth : 0.00°

Inclination : 0.00°

Breadth : 0.00 US ft

Height : 0.00 US ft

Survey Name :Definitive Survey

Date : 22/Nov/2013

Survey Tool :

Comment :

Company :

Magnetic Model

Model Name: IGRF

Date: 22/Nov/2013

Field Strength: 51908.5 nT

Dip: 65.46°

Survey Tool Ranges

Inc Only 3deg_WFTR

MWD

Start MD (us ft)

1600.00

End MD (us ft)

1600.00
7493.00

Source Survey

Rig Surveys
WFT MWD Surveys

Well path created using minimum curvature

| 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 | 2 |
| 255.00 | 0.20 | 324.39 | 255.00 | 0.36 | -0.26 | 0.41 | 0.08 | First Wireline Survey |
| 495.00 | 0.30 | 324.39 | 495.00 | 1.21 | -0.87 | 1.38 | 0.04 | |
| 741.00 | 0.10 | 324.39 | 741.00 | 1.91 | -1.37 | 2.18 | 0.08 | |
| 1048.00 | 0.70 | 324.39 | 1047.99 | 3.65 | -2.62 | 4.16 | 0.20 | |
| 1294.00 | 0.50 | 324.39 | 1293.97 | 5.75 | -4.12 | 6.54 | 0.08 | |
| 1600.00 | 0.60 | 324.39 | 1599.96 | 8.14 | -5.83 | 9.26 | 0.03 | Last Wireline Survey |
| 1646.00 | 0.16 | 324.39 | 1645.96 | 8.38 | -6.00 | 9.54 | 0.96 | First WFT MWD Survey |
| 2146.00 | 0.36 | 120.64 | 2145.96 | 8.15 | -5.06 | 8.62 | 0.10 | |
| 2646.00 | 0.47 | 161.39 | 2645.94 | 5.41 | -3.05 | 5.46 | 0.06 | |
| 2898.00 | 0.49 | 170.88 | 2897.93 | 3.36 | -2.55 | 3.95 | 0.03 | |
| 3399.00 | 0.40 | 189.96 | 3398.92 | -0.47 | -2.52 | 1.88 | 0.03 | |

5D Survey Report

| Survey Points (Relative to Slot 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 | |
| 3900.00 | 0.72 | 195.85 | 3899.89 | -5.22 | -3.68 | 0.34 | 0.06 | | |
| 4148.00 | 0.69 | 195.98 | 4147.88 | -8.16 | -4.51 | -0.52 | 0.01 | | |
| 4181.00 | 0.55 | 206.08 | 4180.87 | -8.49 | -4.64 | -0.59 | 0.54 | | |
| 4213.00 | 0.87 | 292.82 | 4212.87 | -8.54 | -4.93 | -0.37 | 3.13 | | |
| 4244.00 | 2.72 | 314.71 | 4243.86 | -7.93 | -5.67 | 0.58 | 6.26 | | |
| 4275.00 | 4.52 | 315.31 | 4274.79 | -6.54 | -7.05 | 2.49 | 5.81 | | |
| 4306.00 | 6.27 | 314.67 | 4305.65 | -4.48 | -9.12 | 5.33 | 5.65 | | |
| 4337.00 | 8.45 | 314.20 | 4336.40 | -1.70 | -11.95 | 9.21 | 7.03 | | |
| 4368.00 | 11.05 | 313.59 | 4366.95 | 1.93 | -15.74 | 14.35 | 8.39 | | |
| 4400.00 | 13.66 | 312.22 | 4398.20 | 6.59 | -20.76 | 21.08 | 8.21 | | |
| 4431.00 | 15.73 | 310.41 | 4428.19 | 11.77 | -26.67 | 28.84 | 6.84 | | |
| 4462.00 | 18.47 | 308.56 | 4457.81 | 17.56 | -33.71 | 37.88 | 9.01 | | |
| 4493.00 | 20.73 | 308.52 | 4487.02 | 24.04 | -41.84 | 48.22 | 7.29 | | |
| 4524.00 | 22.91 | 308.17 | 4515.79 | 31.18 | -50.88 | 59.67 | 7.04 | | |
| 4554.00 | 25.30 | 306.40 | 4543.18 | 38.60 | -60.63 | 71.87 | 8.32 | | |
| 4585.00 | 28.02 | 305.05 | 4570.88 | 46.71 | -71.93 | 85.75 | 8.99 | | |
| 4616.00 | 30.43 | 304.34 | 4597.93 | 55.32 | -84.37 | 100.87 | 7.85 | | |
| 4648.00 | 33.41 | 304.16 | 4625.09 | 64.84 | -98.36 | 117.78 | 9.32 | | |
| 4679.00 | 36.02 | 305.75 | 4650.57 | 74.96 | -112.82 | 135.41 | 8.91 | | |
| 4710.00 | 38.88 | 305.99 | 4675.18 | 86.01 | -128.09 | 154.22 | 9.24 | | |
| 4741.00 | 41.70 | 305.74 | 4698.82 | 97.75 | -144.34 | 174.22 | 9.11 | | |
| 4773.00 | 44.14 | 305.23 | 4722.25 | 110.40 | -162.08 | 195.97 | 7.70 | | |
| 4804.00 | 45.83 | 305.32 | 4744.18 | 123.05 | -179.97 | 217.85 | 5.46 | | |
| 4835.00 | 48.39 | 304.98 | 4765.27 | 136.13 | -198.54 | 240.53 | 8.30 | | |
| 4866.00 | 50.23 | 303.86 | 4785.48 | 149.41 | -217.93 | 264.02 | 6.54 | | |
| 4897.00 | 53.24 | 303.02 | 4804.68 | 162.82 | -238.24 | 288.35 | 9.94 | | |
| 4928.00 | 56.44 | 301.89 | 4822.53 | 176.41 | -259.63 | 313.69 | 10.74 | | |
| 4959.00 | 59.97 | 300.98 | 4838.86 | 190.15 | -282.11 | 340.03 | 11.66 | | |
| 4991.00 | 62.78 | 299.97 | 4854.19 | 204.39 | -306.31 | 368.10 | 9.21 | | |
| 5022.00 | 65.03 | 299.74 | 4867.83 | 218.25 | -330.46 | 395.92 | 7.29 | | |
| 5053.00 | 66.40 | 299.37 | 4880.57 | 232.18 | -355.04 | 424.15 | 4.55 | | |
| 5085.00 | 66.62 | 299.35 | 4893.33 | 246.57 | -380.62 | 453.46 | 0.69 | | |
| 5116.00 | 66.72 | 299.49 | 4905.61 | 260.55 | -405.41 | 481.89 | 0.53 | | |
| 5147.00 | 69.49 | 298.75 | 4917.17 | 274.55 | -430.54 | 510.61 | 9.21 | | |
| 5178.00 | 72.62 | 298.60 | 4927.23 | 288.62 | -456.26 | 539.88 | 10.11 | | |
| 5209.00 | 76.08 | 299.34 | 4935.59 | 303.07 | -482.37 | 569.68 | 11.40 | | |
| 5241.00 | 77.74 | 299.71 | 4942.84 | 318.43 | -509.49 | 600.81 | 5.31 | | |
| 5271.00 | 79.24 | 300.47 | 4948.82 | 333.17 | -534.92 | 630.19 | 5.58 | | |
| 5303.00 | 81.08 | 301.89 | 4954.29 | 349.49 | -561.89 | 661.71 | 7.22 | | |
| 5313.83 | 82.14 | 302.30 | 4955.87 | 355.19 | -570.97 | 672.43 | 10.51 | 330' Hardline Cross | |
| 5334.00 | 84.12 | 303.07 | 4958.28 | 366.00 | -587.82 | 692.45 | 10.51 | | |

5D Survey Report

| Survey Points (Relative to Slot centre, TVD relative to Drill Floor) | | | | | | | | | |
|--|-------------|-----------|----------------|----------------------|----------------------|---------------|----------------------|---------------------|--|
| MD (US ft) | Incl (°) | Az (°) | TVD (US ft) | N. Offset (US ft) | E. Offset (US ft) | VS (US ft) | DLS (°/100 US ft) | Comment | |
| 5365.00 | 85.59 | 303.02 | 4961.06 | 382.84 | -613.70 | 723.32 | 4.74 | | |
| 5395.00 | 86.08 | 303.14 | 4963.32 | 399.71 | -639.61 | 754.23 | 1.63 | | |
| 5427.00 | 85.94 | 303.00 | 4965.47 | 416.59 | -665.53 | 785.15 | 0.64 | | |
| 5458.00 | 85.80 | 302.78 | 4967.71 | 433.38 | -691.49 | 816.07 | 0.84 | | |
| 5489.00 | 85.52 | 302.53 | 4970.05 | 450.06 | -717.51 | 846.98 | 1.21 | | |
| 5520.00 | 85.59 | 302.81 | 4972.45 | 466.74 | -743.53 | 877.89 | 0.93 | | |
| 5551.00 | 85.80 | 302.85 | 4974.78 | 483.50 | -769.51 | 908.80 | 0.69 | | |
| 5582.00 | 85.94 | 303.02 | 4977.01 | 500.31 | -795.46 | 939.71 | 0.71 | | |
| 5613.00 | 85.95 | 302.88 | 4979.21 | 517.13 | -821.41 | 970.63 | 0.45 | | |
| 5644.00 | 85.94 | 302.67 | 4981.40 | 533.87 | -847.40 | 1001.55 | 0.68 | | |
| 5672.00 | 85.87 | 303.25 | 4983.40 | 549.06 | -870.84 | 1029.48 | 2.08 | | |
| 5755.00 | 89.79 | 304.21 | 4986.54 | 595.11 | -939.80 | 1112.37 | 4.86 | | |
| 5819.00 | 89.37 | 304.59 | 4987.01 | 631.27 | -992.61 | 1176.32 | 0.88 | | |
| 5882.00 | 89.44 | 304.38 | 4987.66 | 666.93 | -1044.53 | 1239.26 | 0.35 | | |
| 5946.00 | 89.72 | 303.66 | 4988.13 | 702.74 | -1097.58 | 1303.23 | 1.21 | | |
| 6010.00 | 90.14 | 301.00 | 4988.21 | 736.96 | -1151.65 | 1367.22 | 4.21 | | |
| 6074.00 | 93.50 | 302.17 | 4986.18 | 770.46 | -1206.14 | 1431.17 | 5.56 | | |
| 6137.00 | 93.49 | 301.98 | 4982.34 | 803.85 | -1259.42 | 1494.06 | 0.30 | | |
| 6201.00 | 90.14 | 302.11 | 4980.31 | 837.79 | -1313.63 | 1558.02 | 5.24 | | |
| 6265.00 | 89.86 | 302.34 | 4980.31 | 871.92 | -1367.77 | 1622.01 | 0.57 | | |
| 6328.00 | 89.65 | 302.72 | 4980.58 | 905.79 | -1420.89 | 1685.01 | 0.69 | | |
| 6392.00 | 89.79 | 302.30 | 4980.89 | 940.19 | -1474.86 | 1749.01 | 0.69 | | |
| 6456.00 | 89.86 | 302.19 | 4981.09 | 974.34 | -1528.99 | 1813.01 | 0.20 | | |
| 6520.00 | 91.61 | 302.94 | 4980.27 | 1008.78 | -1582.92 | 1877.00 | 2.97 | | |
| 6584.00 | 91.05 | 302.37 | 4978.78 | 1043.30 | -1636.79 | 1940.98 | 1.25 | | |
| 6647.00 | 88.25 | 301.24 | 4979.17 | 1076.50 | -1690.32 | 2003.97 | 4.79 | | |
| 6711.00 | 87.06 | 300.36 | 4981.79 | 1109.25 | -1745.25 | 2067.90 | 2.31 | | |
| 6775.00 | 86.71 | 300.33 | 4985.26 | 1141.53 | -1800.40 | 2131.77 | 0.55 | | |
| 6839.00 | 87.90 | 300.48 | 4988.27 | 1173.89 | -1855.53 | 2195.67 | 1.87 | | |
| 6902.00 | 88.74 | 300.57 | 4990.12 | 1205.87 | -1909.78 | 2258.62 | 1.34 | | |
| 6966.00 | 90.56 | 300.14 | 4990.51 | 1238.21 | -1965.00 | 2322.58 | 2.92 | | |
| 7030.00 | 89.86 | 299.65 | 4990.28 | 1270.11 | -2020.49 | 2386.53 | 1.34 | | |
| 7094.00 | 90.00 | 300.06 | 4990.35 | 1301.97 | -2075.99 | 2450.48 | 0.68 | | |
| 7157.00 | 90.49 | 301.99 | 4990.08 | 1334.44 | -2129.98 | 2513.47 | 3.16 | | |
| 7221.00 | 90.07 | 301.20 | 4989.77 | 1367.97 | -2184.49 | 2577.46 | 1.40 | | |
| 7285.00 | 89.58 | 300.82 | 4989.97 | 1400.94 | -2239.34 | 2641.45 | 0.97 | | |
| 7349.00 | 90.21 | 300.80 | 4990.08 | 1433.72 | -2294.31 | 2705.43 | 0.98 | | |
| 7412.00 | 93.08 | 301.48 | 4988.28 | 1466.28 | -2348.20 | 2768.39 | 4.68 | | |
| 7424.00 | 93.08 | 301.56 | 4987.63 | 1472.54 | -2358.42 | 2780.37 | 0.67 | Last WFT MWD Survey | |
| 7493.00 | 93.08 | 301.56 | 4983.92 | 1508.61 | -2417.13 | 2849.27 | 0.00 | Proj. to TD | |

5D Survey Report

Sandridge Energy

Field Name: Sandridge Energy - Gray Co., KS S NAD 27 US FT
Site Name: Circle D 2629 I-18H
Well Name: Circle D 2629 I-18H
Survey: Definitive Survey (Geographic)

09 December 2013



Weatherford[®]

Circle D 2629 1-18H

Field Name
 Sandridge Energy - Gray
 Co., KS S NAD 27 US FT

Company Name : Sandridge Energy

Map Units : US ft

Vertical Reference Datum (VRD) : Mean Sea Level
 Projected Coordinate System : NAD27 / Kansas South

Comment :

Site Name
 Circle D 2629 1-18H

Units : US ft North Reference : Grid
 Northing : 414494.37 US ft Convergence Angle : -1.24
 Easting : 1415378.57 US ft Latitude : 37° 47' 15.40"
 Position Longitude : -100° 31' 23.50"

Elevation above Mean Sea Level: 2755.00 US ft
 Comment :

Slot Name
 Circle D 2629 1-18H

+N / -S : 0.00 US ft Position (Offsets relative to Site Centre)
 Northing : 414494.37 US ft Latitude : 37° 47' 15.40"
 +E / -W : 0.00 US ft Easting : 1415378.57 US ft Longitude : -100° 31' 23.50"

Slot TVD Reference : Ground Elevation
 Elevation above Mean Sea Level : 2755.00 US ft
 Comment :

Well Name
 Circle D 2629 1-18H

Type : Main well
 Rig Height *Drill Floor* : 19.00 US ft
 Relative to Mean Sea Level: 2774.00 US ft
 Closure Distance : 2849.28 US ft
 Vertical Section (Position of Origin Relative to Slot)
 +N / -S : 0.00 US ft +E / -W : 0.00 US ft Az : 302.14°
 UWI :
 Comment :
 Closure Azimuth : 301.97°

Target Set

Name : Circle D 2629 1-18H - T2 Number of Targets : 1

Comment :

| | | |
|--------------------|------------------------------------|----------------------------|
| TargetName: | Position (Relative to Slot centre) | |
| PBHL | Northing : 416010.00 US ft | Latitude : 37°47'29.86" |
| Shape: | Easting : 1412966.00US ft | Longitude : -100°31'53.96" |
| Cuboid | TVD (Drill Floor) : 4990.00 US ft | |
| | SS : -2216.00 US ft | |
| | Orientation | Inclination : 0.00° |
| | Dimensions | Breadth : 0.00 US ft |
| | Azimuth : 0.00° | Height : 0.00 US ft |
| | Length : 0.00 US ft | |

Survey Name : Definitive Survey

Date : 22/Nov/2013 Survey Tool : Comment :

Magnetic Model Company :

Model Name: IGRF Date: 22/Nov/2013 Field Strength: 51908.5 nT Declination: 5.97° Dip: 65.46°

Survey Tool Ranges

| Name | Start MD (us ft) | End MD (us ft) | Source Survey |
|--------------------|------------------|----------------|-----------------|
| Inc Only 3deg_WFTR | 0.00 | 1600.00 | Rig Surveys |
| MWD | 1600.00 | 7493.00 | WFT MWD Surveys |

Well path created using minimum curvature

| MD (US ft) | Inc (°) | Az (°) | TVD (US ft) | N. Offset (US ft) | E. Offset (US ft) | Northing (US ft) | Easting (US ft) | Latitude (° ' ") | Longitude (° ' ") | Comment |
|------------|---------|--------|-------------|-------------------|-------------------|------------------|-----------------|------------------|-------------------|-----------------------|
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 414494.37 | 1415378.57 | 37°47'15.40" | -100°31'23.50" | 2 |
| 255.00 | 0.20 | 324.39 | 255.00 | 0.36 | -0.26 | 414494.73 | 1415378.31 | 37°47'15.40" | -100°31'23.51" | First Wireline Survey |
| 495.00 | 0.30 | 324.39 | 495.00 | 1.21 | -0.87 | 414495.58 | 1415377.70 | 37°47'15.41" | -100°31'23.51" | |
| 741.00 | 0.10 | 324.39 | 741.00 | 1.91 | -1.37 | 414496.28 | 1415377.20 | 37°47'15.42" | -100°31'23.52" | |
| 1048.00 | 0.70 | 324.39 | 1047.99 | 3.65 | -2.62 | 414498.02 | 1415375.95 | 37°47'15.44" | -100°31'23.54" | |
| 1294.00 | 0.50 | 324.39 | 1293.97 | 5.75 | -4.12 | 414500.12 | 1415374.45 | 37°47'15.46" | -100°31'23.56" | |
| 1600.00 | 0.60 | 324.39 | 1599.96 | 8.14 | -5.83 | 414502.50 | 1415372.74 | 37°47'15.48" | -100°31'23.58" | Last Wireline Survey |
| 1646.00 | 0.16 | 324.39 | 1645.96 | 8.38 | -6.00 | 414502.75 | 1415372.57 | 37°47'15.48" | -100°31'23.58" | First WFT MWD Survey |
| 2146.00 | 0.36 | 120.64 | 2145.96 | 8.15 | -5.06 | 414502.52 | 1415373.51 | 37°47'15.48" | -100°31'23.57" | |
| 2646.00 | 0.47 | 161.39 | 2645.94 | 5.41 | -3.05 | 414499.77 | 1415375.52 | 37°47'15.45" | -100°31'23.54" | |
| 2898.00 | 0.49 | 170.88 | 2897.93 | 3.36 | -2.55 | 414497.73 | 1415376.02 | 37°47'15.43" | -100°31'23.54" | |

5D Survey Report

| Survey Points (Relative to Slot centre, TVD relative to Drill Floor) | | | | | | | | | | |
|--|------------|-----------|----------------|---------------------|---------------------|---------------------|--------------------|---------------------|----------------------|---------------------|
| MD (US ft) | Inc (°) | Az (°) | TVD (US ft) | N.Offset (US ft) | E.Offset (US ft) | Northing (US ft) | Easting (US ft) | Latitude (° ' ") | Longitude (° ' ") | Comment |
| 3399.00 | 0.40 | 189.96 | 3398.92 | -0.47 | -2.52 | 414493.89 | 1415376.05 | 37°47'15.40" | -100°31'23.53" | |
| 3900.00 | 0.72 | 195.85 | 3899.89 | -5.22 | -3.68 | 414489.14 | 1415374.89 | 37°47'15.35" | -100°31'23.55" | |
| 4148.00 | 0.69 | 195.98 | 4147.88 | -8.16 | -4.51 | 414486.21 | 1415374.06 | 37°47'15.32" | -100°31'23.56" | |
| 4181.00 | 0.55 | 206.08 | 4180.87 | -8.49 | -4.64 | 414485.87 | 1415373.93 | 37°47'15.32" | -100°31'23.56" | |
| 4213.00 | 0.87 | 292.82 | 4212.87 | -8.54 | -4.93 | 414485.83 | 1415373.64 | 37°47'15.32" | -100°31'23.56" | |
| 4244.00 | 2.72 | 314.71 | 4243.86 | -7.93 | -5.67 | 414486.44 | 1415372.90 | 37°47'15.32" | -100°31'23.57" | |
| 4275.00 | 4.52 | 315.31 | 4274.79 | -6.54 | -7.05 | 414487.83 | 1415371.52 | 37°47'15.33" | -100°31'23.59" | |
| 4306.00 | 6.27 | 314.67 | 4305.65 | -4.48 | -9.12 | 414489.88 | 1415369.45 | 37°47'15.35" | -100°31'23.61" | |
| 4337.00 | 8.45 | 314.20 | 4336.40 | -1.70 | -11.95 | 414492.66 | 1415366.62 | 37°47'15.38" | -100°31'23.65" | |
| 4368.00 | 11.05 | 313.59 | 4366.95 | 1.93 | -15.74 | 414496.30 | 1415362.83 | 37°47'15.42" | -100°31'23.70" | |
| 4400.00 | 13.66 | 312.22 | 4398.20 | 6.59 | -20.76 | 414500.95 | 1415357.81 | 37°47'15.46" | -100°31'23.76" | |
| 4431.00 | 15.73 | 310.41 | 4428.19 | 11.77 | -26.67 | 414506.14 | 1415351.90 | 37°47'15.51" | -100°31'23.84" | |
| 4462.00 | 18.47 | 308.56 | 4457.81 | 17.56 | -33.71 | 414511.92 | 1415344.86 | 37°47'15.57" | -100°31'23.93" | |
| 4493.00 | 20.73 | 308.52 | 4487.02 | 24.04 | -41.84 | 414518.40 | 1415336.73 | 37°47'15.63" | -100°31'24.03" | |
| 4524.00 | 22.91 | 308.17 | 4515.79 | 31.18 | -50.88 | 414525.55 | 1415327.69 | 37°47'15.70" | -100°31'24.14" | |
| 4554.00 | 25.30 | 306.40 | 4543.18 | 38.60 | -60.63 | 414532.96 | 1415317.94 | 37°47'15.77" | -100°31'24.27" | |
| 4585.00 | 28.02 | 305.05 | 4570.88 | 46.71 | -71.93 | 414541.08 | 1415306.64 | 37°47'15.85" | -100°31'24.41" | |
| 4616.00 | 30.43 | 304.34 | 4597.93 | 55.32 | -84.37 | 414549.69 | 1415294.20 | 37°47'15.93" | -100°31'24.57" | |
| 4648.00 | 33.41 | 304.16 | 4625.09 | 64.84 | -98.36 | 414559.21 | 1415280.21 | 37°47'16.02" | -100°31'24.75" | |
| 4679.00 | 36.02 | 305.75 | 4650.57 | 74.96 | -112.82 | 414569.33 | 1415265.75 | 37°47'16.12" | -100°31'24.93" | |
| 4710.00 | 38.88 | 305.99 | 4675.18 | 86.01 | -128.09 | 414580.37 | 1415250.48 | 37°47'16.22" | -100°31'25.12" | |
| 4741.00 | 41.70 | 305.74 | 4698.82 | 97.75 | -144.34 | 414592.12 | 1415234.23 | 37°47'16.34" | -100°31'25.33" | |
| 4773.00 | 44.14 | 305.23 | 4722.25 | 110.40 | -162.08 | 414604.76 | 1415216.49 | 37°47'16.46" | -100°31'25.55" | |
| 4804.00 | 45.83 | 305.32 | 4744.18 | 123.05 | -179.97 | 414617.42 | 1415198.60 | 37°47'16.58" | -100°31'25.78" | |
| 4835.00 | 48.39 | 304.98 | 4765.27 | 136.13 | -198.54 | 414630.49 | 1415180.03 | 37°47'16.70" | -100°31'26.01" | |
| 4866.00 | 50.23 | 303.86 | 4785.48 | 149.41 | -217.93 | 414643.78 | 1415160.64 | 37°47'16.83" | -100°31'26.26" | |
| 4897.00 | 53.24 | 303.02 | 4804.68 | 162.82 | -238.24 | 414657.18 | 1415140.33 | 37°47'16.96" | -100°31'26.51" | |
| 4928.00 | 56.44 | 301.89 | 4822.53 | 176.41 | -259.63 | 414670.78 | 1415118.94 | 37°47'17.09" | -100°31'26.78" | |
| 4959.00 | 59.97 | 300.98 | 4838.86 | 190.15 | -282.11 | 414684.51 | 1415096.46 | 37°47'17.22" | -100°31'27.07" | |
| 4991.00 | 62.78 | 299.97 | 4854.19 | 204.39 | -306.31 | 414698.75 | 1415072.26 | 37°47'17.36" | -100°31'27.37" | |
| 5022.00 | 65.03 | 299.74 | 4867.83 | 218.25 | -330.46 | 414712.61 | 1415048.11 | 37°47'17.49" | -100°31'27.68" | |
| 5053.00 | 66.40 | 299.37 | 4880.57 | 232.18 | -355.04 | 414726.55 | 1415023.53 | 37°47'17.62" | -100°31'27.99" | |
| 5085.00 | 66.62 | 299.35 | 4893.33 | 246.57 | -380.62 | 414740.94 | 1414997.95 | 37°47'17.76" | -100°31'28.31" | |
| 5116.00 | 66.72 | 299.49 | 4905.61 | 260.55 | -405.41 | 414754.92 | 1414973.16 | 37°47'17.89" | -100°31'28.62" | |
| 5147.00 | 69.49 | 298.75 | 4917.17 | 274.55 | -430.54 | 414768.92 | 1414948.03 | 37°47'18.02" | -100°31'28.94" | |
| 5178.00 | 72.62 | 298.60 | 4927.23 | 288.62 | -456.26 | 414782.98 | 1414922.31 | 37°47'18.16" | -100°31'29.26" | |
| 5209.00 | 76.08 | 299.34 | 4935.59 | 303.07 | -482.37 | 414797.44 | 1414896.20 | 37°47'18.29" | -100°31'29.59" | |
| 5241.00 | 77.74 | 299.71 | 4942.84 | 318.43 | -509.49 | 414812.80 | 1414869.08 | 37°47'18.44" | -100°31'29.93" | |
| 5271.00 | 79.24 | 300.47 | 4948.82 | 333.17 | -534.92 | 414827.54 | 1414843.65 | 37°47'18.58" | -100°31'30.25" | |
| 5303.00 | 81.08 | 301.89 | 4954.29 | 349.49 | -561.89 | 414843.86 | 1414816.68 | 37°47'18.73" | -100°31'30.60" | |
| 5313.83 | 82.14 | 302.30 | 4955.87 | 355.19 | -570.97 | 414849.56 | 1414807.60 | 37°47'18.79" | -100°31'30.71" | 330' Hardline Cross |

5D Survey Report

| Survey Points (Relative to Slot centre, TVD relative to Drill Floor) | | | | | | | | | | |
|--|------------|-----------|----------------|----------------------|----------------------|---------------------|--------------------|---------------------|----------------------|---------------------|
| MD (US ft) | Inc (°) | Az (°) | TVD (US ft) | N. Offset (US ft) | E. Offset (US ft) | Northing (US ft) | Easting (US ft) | Latitude (° ' ") | Longitude (° ' ") | Comment |
| 5334.00 | 84.12 | 303.07 | 4958.28 | 366.00 | -587.82 | 414860.37 | 1414790.75 | 37°47'18.89" | -100°31'30.92" | |
| 5365.00 | 85.59 | 303.02 | 4961.06 | 382.84 | -613.70 | 414877.20 | 1414764.87 | 37°47'19.05" | -100°31'31.25" | |
| 5396.00 | 86.08 | 303.14 | 4963.32 | 399.71 | -639.61 | 414894.08 | 1414738.96 | 37°47'19.21" | -100°31'31.58" | |
| 5427.00 | 85.94 | 303.00 | 4965.47 | 416.59 | -665.53 | 414910.95 | 1414713.04 | 37°47'19.38" | -100°31'31.90" | |
| 5458.00 | 85.80 | 302.78 | 4967.71 | 433.38 | -691.49 | 414927.74 | 1414687.08 | 37°47'19.54" | -100°31'32.23" | |
| 5489.00 | 85.52 | 302.53 | 4970.05 | 450.06 | -717.51 | 414944.42 | 1414661.06 | 37°47'19.70" | -100°31'32.56" | |
| 5520.00 | 85.59 | 302.81 | 4972.45 | 466.74 | -743.53 | 414961.11 | 1414635.04 | 37°47'19.85" | -100°31'32.89" | |
| 5551.00 | 85.80 | 302.85 | 4974.78 | 483.50 | -769.51 | 414977.87 | 1414609.06 | 37°47'20.01" | -100°31'33.22" | |
| 5582.00 | 85.94 | 303.02 | 4977.01 | 500.31 | -795.46 | 414994.68 | 1414583.11 | 37°47'20.18" | -100°31'33.55" | |
| 5613.00 | 85.95 | 302.88 | 4979.21 | 517.13 | -821.41 | 415011.50 | 1414557.16 | 37°47'20.34" | -100°31'33.87" | |
| 5644.00 | 85.94 | 302.67 | 4981.40 | 533.87 | -847.40 | 415028.24 | 1414531.17 | 37°47'20.50" | -100°31'34.20" | |
| 5672.00 | 85.87 | 303.25 | 4983.40 | 549.06 | -870.84 | 415043.43 | 1414507.73 | 37°47'20.64" | -100°31'34.50" | |
| 5755.00 | 89.79 | 304.21 | 4986.54 | 595.11 | -939.80 | 415089.48 | 1414438.77 | 37°47'21.08" | -100°31'35.37" | |
| 5819.00 | 89.37 | 304.59 | 4987.01 | 631.27 | -992.61 | 415125.63 | 1414385.96 | 37°47'21.43" | -100°31'36.04" | |
| 5882.00 | 89.44 | 304.38 | 4987.66 | 666.93 | -1044.53 | 415161.30 | 1414334.04 | 37°47'21.77" | -100°31'36.69" | |
| 5946.00 | 89.72 | 303.66 | 4988.13 | 702.74 | -1097.58 | 415197.11 | 1414280.99 | 37°47'22.11" | -100°31'37.36" | |
| 6010.00 | 90.14 | 301.00 | 4988.21 | 736.96 | -1151.65 | 415231.33 | 1414226.92 | 37°47'22.44" | -100°31'38.05" | |
| 6074.00 | 93.50 | 302.17 | 4986.18 | 770.46 | -1206.14 | 415264.83 | 1414172.43 | 37°47'22.76" | -100°31'38.73" | |
| 6137.00 | 93.49 | 301.98 | 4982.34 | 803.85 | -1259.42 | 415298.22 | 1414119.15 | 37°47'23.08" | -100°31'40.09" | |
| 6201.00 | 90.14 | 302.11 | 4980.31 | 837.79 | -1313.63 | 415332.16 | 1414064.94 | 37°47'23.40" | -100°31'40.77" | |
| 6265.00 | 89.86 | 302.34 | 4980.31 | 871.92 | -1367.77 | 415366.28 | 1414010.80 | 37°47'23.73" | -100°31'41.44" | |
| 6328.00 | 89.65 | 302.72 | 4980.58 | 905.79 | -1420.89 | 415400.16 | 1413957.68 | 37°47'24.05" | -100°31'41.44" | |
| 6392.00 | 89.79 | 302.30 | 4980.89 | 940.19 | -1474.86 | 415434.56 | 1413903.71 | 37°47'24.38" | -100°31'42.13" | |
| 6456.00 | 89.86 | 302.19 | 4981.09 | 974.34 | -1528.99 | 415468.70 | 1413849.58 | 37°47'24.70" | -100°31'42.81" | |
| 6520.00 | 91.61 | 302.94 | 4980.27 | 1008.78 | -1582.92 | 415503.15 | 1413795.65 | 37°47'25.03" | -100°31'43.49" | |
| 6584.00 | 91.05 | 302.37 | 4978.78 | 1043.30 | -1636.79 | 415537.67 | 1413741.78 | 37°47'25.36" | -100°31'44.17" | |
| 6647.00 | 88.25 | 301.24 | 4979.17 | 1076.50 | -1690.32 | 415570.87 | 1413688.25 | 37°47'25.68" | -100°31'44.85" | |
| 6711.00 | 87.06 | 300.36 | 4981.79 | 1109.25 | -1745.25 | 415603.61 | 1413633.32 | 37°47'25.99" | -100°31'45.54" | |
| 6775.00 | 86.71 | 300.33 | 4985.26 | 1141.53 | -1800.40 | 415635.90 | 1413578.17 | 37°47'26.30" | -100°31'46.24" | |
| 6839.00 | 87.90 | 300.48 | 4988.27 | 1173.89 | -1855.53 | 415668.25 | 1413523.04 | 37°47'26.61" | -100°31'46.93" | |
| 6902.00 | 88.74 | 300.57 | 4990.12 | 1205.87 | -1909.78 | 415700.24 | 1413468.79 | 37°47'26.91" | -100°31'47.62" | |
| 6966.00 | 90.56 | 300.14 | 4990.51 | 1238.21 | -1965.00 | 415732.58 | 1413413.57 | 37°47'27.22" | -100°31'48.31" | |
| 7030.00 | 89.86 | 299.65 | 4990.28 | 1270.11 | -2020.49 | 415764.48 | 1413358.08 | 37°47'27.52" | -100°31'49.01" | |
| 7094.00 | 90.00 | 300.06 | 4990.35 | 1301.97 | -2075.99 | 415796.33 | 1413302.58 | 37°47'27.82" | -100°31'49.71" | |
| 7157.00 | 90.49 | 301.99 | 4990.08 | 1334.44 | -2129.98 | 415828.80 | 1413248.59 | 37°47'28.13" | -100°31'50.39" | |
| 7221.00 | 90.07 | 301.20 | 4989.77 | 1367.97 | -2184.49 | 415862.33 | 1413194.08 | 37°47'28.45" | -100°31'51.08" | |
| 7285.00 | 89.58 | 300.82 | 4989.97 | 1400.94 | -2239.34 | 415895.31 | 1413139.23 | 37°47'28.77" | -100°31'51.77" | |
| 7349.00 | 90.21 | 300.80 | 4990.08 | 1433.72 | -2294.31 | 415928.09 | 1413084.26 | 37°47'29.08" | -100°31'52.47" | |
| 7412.00 | 93.08 | 301.48 | 4988.28 | 1466.28 | -2348.20 | 415960.65 | 1413030.37 | 37°47'29.39" | -100°31'53.15" | |
| 7424.00 | 93.08 | 301.56 | 4987.63 | 1472.54 | -2358.42 | 415966.91 | 1413020.15 | 37°47'29.45" | -100°31'53.28" | Last WFT MWD Survey |

5D Survey Report

| MD (US ft) | Inc (°) | Az (°) | TVD (US ft) | N. Offset (US ft) | E. Offset (US ft) | Northing (US ft) | Easting (US ft) | Latitude (° ' ") | Longitude (° ' ") | Comment |
|---------------|------------|-----------|----------------|----------------------|----------------------|---------------------|--------------------|---------------------|----------------------|-------------|
| 7493.00 | 93.08 | 301.56 | 4983.92 | 1508.61 | -2417.13 | 416002.97 | 1412961.44 | 37°47'29.79" | -100°31'54.02" | Proj. to TD |



SandRidge Energy
Circle D #26921 1-18H
Gray 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 Circle D #26921 1-18H **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 3000 psi. After a successful test we began the job by pumping 10 Bbls of preflush spacer. We then mixed and pumped the following cements:

166.5 Bbls (500 sacks) of 12.7 ppg Lead slurry:
65:35 Class A:Poz Blend - 1.87 Yield
6.0% Gel
2.0% cc
¼# Floseal

42.75Bbls (200 sacks) of 15.6 ppg Tail slurry:
Class A - 1.20 Yield
2%cc
¼# Floseal

The top plug was then released and displaced with 121 of fresh water. The plug bumped and pressured up to 1200 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 suggestion are greatly appreciated, to 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

ALLIED OIL & GAS SERVICES, LLC 059848

Federal Tax I.D.# 20-5975804

EMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:
Medicine Lodge KS

| | | | | | | | |
|-------------------------|--------------------------|--|------------------|---------------------------|----------------------------|---------------------------|---------------------------|
| DATE <i>12-05-13</i> | SEC <i>17</i> | TWP. <i>26s</i> | RANGE <i>29w</i> | CALLED OUT <i>9:30 AM</i> | ON LOCATION <i>3:00 PM</i> | JOB START <i>10:00 AM</i> | JOB FINISH <i>3:00 AM</i> |
| LEASE <i>Circle D</i> | WELL # <i>2629-1-18H</i> | LOCATION <i>Fryalls ES 4, 3 W, KN, C/S</i> | | | COUNTY <i>Gray</i> | STATE <i>KS</i> | |
| OLD OR NEW (Circle one) | | | | | | | |

CONTRACTOR *Nomac #52*
 TYPE OF JOB *Intermittent*
 HOLE SIZE *8 3/4* T.D. *5746*
 CASING SIZE *7"* *26"* DEPTH *5724*
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX *1500 test 2500* MINIMUM
 MEAS. LINE SHOE JOINT *89.79*
 CEMENT LEFT IN CSG. *90'*
 PERFS.
 DISPLACEMENT *216 Bbls Fresh H₂O*

OWNER *Sandridge*
 CEMENT
 AMOUNT ORDERED *240sx class A 50:50 + 2% nelf + 4% FL-160 + 1% CD-51 + 100sx class A + 8% FL-160 + 2% CD-31 + 30 Bbls ASF*
 COMMON *class A 100sx @ 17.90 1790.00*
 POZMIX @
 GEL @
 CHLORIDE @
 ASC @
50:50 class A 240sx @ 14.40 3456.00
FL-160 157# @ 18.90 2967.30
CD-31 19# @ 10.30 195.70
SA-51 21# @ 17.55 368.55
ASF 30 Bbls @ 58.70 1761.00
 HANDLING *351.14* @ *2.48* *870.56*
 MILEAGE *15.074* *40* x *2.00* *1568.00*
 TOTAL *12979.33*

EQUIPMENT
 PUMP TRUCK CEMENTER *D. Felio*
 # *558 555* HELPER *S. Priddy*
 BULK TRUCK
 # *819-823* DRIVER *J. Rojas / C. Rankley*
 BULK TRUCK
 # DRIVER

REMARKS:
Pipe on B4m, Break pipe, Pressure test, Pump Spacers, mix 240sx v. lite, mix 100sx cement, stop pump, Release plug, start disposal Fresh H₂O, Wash up on Plug, Seal case, tech PIS, Shutoff, Release Plug at 216 Bbls total, Release PSE, Float H₂O

Well Name: *DC 13291*
 Code: *Circle D 2629-1-18H*
 Amount: *2303.70*
 Co. Man: *1277992*
 Co. Man Sig.: *LARRY NIVENS*
 Notes: *[Signature]*

CHARGE TO: *Sandridge*
 STREET
 CITY STATE ZIP

SERVICE

| | | |
|----------------------------|--------------------------|----------------|
| DEPTH OF JOB | <i>5724</i> | |
| PUMP TRUCK CHARGE | | <i>3099.00</i> |
| EXTRA FOOTAGE | @ | |
| MILEAGE | <i>40</i> @ <i>7.70</i> | <i>308.00</i> |
| MANIFOLD <i>Handcapped</i> | @ | <i>275.00</i> |
| <i>Light Vehicle</i> | <i>40</i> @ <i>4.40</i> | <i>176.00</i> |
| <i>Whitetime</i> | <i>3</i> @ <i>440.00</i> | <i>1320.00</i> |
| TOTAL | | <i>5178.00</i> |

PLUG & FLOAT EQUIPMENT

| | | |
|--------------|---|--------------|
| <i>TRP-1</i> | @ | <i>99.45</i> |
| | @ | |
| | @ | |
| | @ | |
| | @ | |
| TOTAL | | <i>99.45</i> |

SALES TAX (If Any)
 TOTAL CHARGES *18257.03*
 DISCOUNT IF PAID IN 30 DAYS

To: Allied Oil & Gas Services, LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME *Larry Nivens*
 SIGNATURE *[Signature]*

Net .. -
 Bid *12779.92*



BASIN SERVICES, LLC
 P O BOX 4268
 ABILENE, TX 79608-4268
 Phone # (325)690-0053
 Fax # (325)698-0055

TICKET

TICKET NUMBER: WY-165-1
 TICKET DATE: 11/22/2013

ELECTRONIC

SANDRIDGE ENERGY
 ***** BILL IN ADP!! *****
 123 ROBERT S KERR AVE
 OKLAHOMA CITY, OK 73102-6406

YARD: WY WAYNOKA OK
 LEASE: Circle D 2629
 WELL#: 1-18H
 RIG #: Nomac 52
 Co/St: GRAY, KS

| DESCRIPTION | QUANTITY | RATE | AMOUNT |
|---|----------|--------------------------|---------------------|
| 11/22/2013 DRILLED 30" CONDUCTOR HOLE | | | |
| 11/22/2013 20" CONDUCTOR PIPE (.250 WALL) | | | |
| 11/22/2013 6' X 6' CELLAR TINHORN WITH PROTECTIVE RING | | | |
| 11/22/2013 DRILL & INSTALL 6' X 6' CELLAR TINHORN | | | |
| 11/22/2013 DRILLED 20" MOUSE HOLE (PER FOOT) | | | |
| 11/22/2013 16" CONDUCTOR PIPE (.250 WALL) | | | |
| 11/22/2013 MOBILIZATION OF EQUIPMENT & ROAD PERMITTING FEE | | | |
| 11/22/2013 WELDING SERVICES FOR PIPE & LIDS | | | |
| 11/22/2013 PROVIDED EQUIPMENT & LABOR TO ASSIST IN PUMPING CONCRETE | | | |
| 11/22/2013 PROVIDED METAL LIDS (1 FOR CONDUCTOR & 2 FOR MOUSEHOLE PIPE) | | | |
| 11/22/2013 CEMENT | | | |
| 11/22/2013 TAXABLE ITEMS | | | 5,640.00 |
| 11/22/2013 BID - TAXABLE ITEMS | | | 13,610.00 |
| | | | |
| | | Sub Total: | 19,250.00 |
| | | Tax GRAY COUNTY (7.3 %): | 411.72 |
| | | TICKET TOTAL: | <u>\$ 19,661.72</u> |

I, the undersigned, acknowledge the acceptance of the above listed goods and/or services.

Approved Signature _____