



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1197837  
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
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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: \_\_\_\_\_

1197837

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
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Faldtz 2231 2-26H
Doc ID	1197837

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	4946-4954	83 bbls Acid-NEFE HCL 15%; 309 bbls Linear Gel 30#; 168 bbls Fresh wtr	4946-4954
5	5526-5528	144 bbls Acid-NEFE HCL 15%; 309 Linear Gel 30#; 162 Fresh Wtr	5526-5680
5	5596-5598		
5	5622-5624		
5	5654-5656		
5	5678-5680		
5	6254-6256	144 bbls Acid-NEFE HCL 15%; 319 bbls Linear Gel 30#; 162 bbls Fresh wtr	6254-6348
5	6271-6273		
5	6298-6300		
5	6318-6320		
5	6346-6348		
5	6488-6490	144 bbls Acid - NEFE HCL 15%; 309 bbls Linear Gel 30#, 177 Fresh wtr	6488-6581
5	6513-6515		
5	6538-6540		
5	6564-6566		
5	6579-6581		

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Faldtz 2231 2-26H
Doc ID	1197837

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	6621-6623		
5	6621-6623	144 bbls Acid - NEFE HCL 15%; 309 bbls Linear Gel 30#; 180 bbls Fresh wtr	6621-6769
5	6664-6666		
5	6689-6691		
5	6689-6691		
5	6716-6718	144 bbls Acid-NEFE HCL 15%; 309 bbls Linear Gel 30#;192 bbls fresh wtr	6799-6840
5	6716-6718		
5	6767-6769		
5	6799-6801		
5	6812-6814		
5	6822-6824		
5	6838-6840		



# ALLIED OIL & GAS SERVICES, LLC 062423

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:  
Medicine Lodge, KS

DATE <u>1-4-2014</u>	SEC <u>26</u>	TWP <u>22s</u>	RANGE <u>31w</u>	CALLED OUT <u>9:00pm</u>	ON LOCATION <u>4:00pm</u>	JOB START <u>9:30pm</u>	JOB FINISH <u>10:45pm</u>
LEASE <u>FRI 2231</u>	WELL# <u>2-26H</u>	LOCATION <u>Grden city, ks</u>	<u>11 miles</u>		COUNTY <u>Finney</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)			<u>ess on #156, 3.3 n, 1w, n/line</u>				

CONTRACTOR <u>Horizon #4</u>	OWNER <u>SandRise Energy</u>
TYPE OF JOB <u>Sidetrack</u>	CEMENT
HOLE SIZE <u>12 1/4</u>	T.D. <u>1870</u>
CASING SIZE <u>9 5/8 36#</u>	DEPTH <u>1874</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX <u>3,000 psi</u>	MINIMUM
MEAS. LINE	SHOE JOINT <u>45</u>
CEMENT LEFT IN CSG.	
PERFS.	
DISPLACEMENT <u>141 bbls Freshwater</u>	
EQUIPMENT	
PUMP TRUCK CEMENTER <u>Derin F</u>	
# <u>558-555</u> HELPER <u>Scott B</u>	
BULK TRUCK	
# <u>819-823</u> DRIVER <u>John H</u>	
BULK TRUCK	
# <u>421-290</u> DRIVER <u>Hector (HWS)</u>	
COMMON <u>Class A 215</u>	@ <u>17.90</u> <u>3,848.50</u>
POZMIX	@
GEL	@
CHLORIDE <u>215x</u>	@ <u>64.00</u> <u>1,344.00</u>
ASC	@
<u>BLK #1 650.5x</u>	@ <u>16.50</u> <u>10,725.00</u>
<u>Floss #1 269 lbs</u>	@ <u>2.97</u> <u>798.93</u>
	@
	@
	@
	@
HANDLING <u>966.37 cu ft</u>	@ <u>2.48</u> <u>2,396.60</u>
MILEAGE <u>3071.42 ton-mile</u>	@ <u>2.60</u> <u>7,985.70</u>
TOTAL <u>27,098.23</u>	

REMARKS:

AFE Number: DC13303  
Well Name: Faldtz  
Code: 830-360  
Amount: 30,679.84  
Co. Man: Luis Solis  
Co. Man Sig: [Signature]  
Notes:

### SERVICE

DEPTH OF JOB <u>1870'</u>	
PUMP TRUCK CHARGE	<u>2,213.75</u>
EXTRA FOOTAGE	@
MILEAGE <u>75</u>	@ <u>7.70</u> <u>577.50</u>
MANIFOLD <u>Hess rents</u>	@ <u>275.00</u>
<u>Lisah Kehrle</u> <u>75</u>	@ <u>4.40</u> <u>330.00</u>
	@
TOTAL <u>3,396.25</u>	

CHARGE TO: SandRise Energy  
STREET \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

### PLUG & FLOAT EQUIPMENT

9 5/8

<u>1-Rubber Plug</u>	@	<u>184.86</u>
	@	
	@	
	@	
	@	
TOTAL <u>184.86</u>		

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.

SALES TAX (If Any) \_\_\_\_\_  
TOTAL CHARGES 30,679.84  
DISCOUNT 30% IF PAID IN 30 DAYS

PRINTED NAME \_\_\_\_\_  
SIGNATURE \_\_\_\_\_

\$ 21,475.89



SandRidge Energy  
Faldtz #2231 2-26  
Finney 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 Faldtz #2231 2-26 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 4000 psi. After a successful test we began the job by pumping 30 bbls of preflush spacer. We then mixed and pumped the following cements:

60 Bbls (240 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 207 of fresh water. The plug bumped and pressured up to 1400 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.



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

# TICKET

TICKET NUMBER: WY-187-1  
 TICKET DATE: 12/09/2013

**ELECTRONIC**

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

YARD: WY WAYNOKA OK  
 LEASE: Faldtz 2231  
 WELL#: 2-26H  
 RIG #: Horizon 4  
 Co/St: FINNEY, KS

DESCRIPTION	QUANTITY	RATE	AMOUNT
12/9/2013 DRILLED 30" CONDUCTOR HOLE			
12/9/2013 20" CONDUCTOR PIPE (.250 WALL)			
12/9/2013 6' X 6' CELLAR TINHORN WITH PROTECTIVE RING			
12/9/2013 DRILL & INSTALL 6' X 6' CELLAR TINHORN			
12/9/2013 DRILLED 20" MOUSE HOLE (PER FOOT)			
12/9/2013 16" CONDUCTOR PIPE (.250 WALL)			
12/9/2013 MOBILIZATION OF EQUIPMENT & ROAD PERMITTING FEE			
12/9/2013 WELDING SERVICES FOR PIPE & LIDS			
12/9/2013 PROVIDED EQUIPMENT & LABOR TO ASSIST IN PUMPING CONCRETE			
12/9/2013 PROVIDED METAL LIDS (1 FOR CONDUCTOR & 2 FOR MOUSEHOLE PIPE)			
12/9/2013 8 YDS OF 10 SACK GROUT			
12/9/2013 TAXABLE ITEMS			3,480.00
12/9/2013 BID - TAXABLE ITEMS			9,020.00
		Sub Total:	12,500.00
		Tax FINNEY COUNTY (7.3 %):	254.04
		<b>TICKET TOTAL:</b>	<b>\$ 12,754.04</b>

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

Approved Signature \_\_\_\_\_



# ALLIED OIL & GAS SERVICES, LLC 062369

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:  
Medicine Lodge KS

DATE <u>0/22/14</u>	SEC. <u>26</u>	TWP. <u>22s</u>	RANGE <u>31w</u>	CALLED OUT	ON LOCATION <u>545 PM</u>	JOB START	JOB FINISH <u>10:30 AM</u>
LEASE <u>Faldez</u>	WELL# <u>2231</u>	<u>2-26H</u>	LOCATION <u>156 + Menard Rd, E of Garden City</u>	COUNTY <u>Finney</u>		STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)			<u>3 North, 1 West, North into</u>				

CONTRACTOR Horizon #4 OWNER Sand Ridge Energy

TYPE OF JOB Set Packers

HOLE SIZE \_\_\_\_\_ T.D. \_\_\_\_\_ CEMENT \_\_\_\_\_

CASING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_ AMOUNT ORDERED \_\_\_\_\_

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. \_\_\_\_\_

PERFS. \_\_\_\_\_

DISPLACEMENT \_\_\_\_\_

**EQUIPMENT**

PUMP TRUCK CEMENTER Jason Thimesch

# 548/545 HELPER Jake Heard / Andrew TWS

BULK TRUCK \_\_\_\_\_

# \_\_\_\_\_ DRIVER \_\_\_\_\_

BULK TRUCK \_\_\_\_\_

# \_\_\_\_\_ DRIVER \_\_\_\_\_

**REMARKS:**

AFE Number: DC13303  
Well Name: Faldez 2231 2-26H  
Code: 830-210  
Amount: 4975.00  
Co. Man: Chris Solis  
Co. Man Sig: [Signature]  
Notes: \_\_\_\_\_

COMMON \_\_\_\_\_ @ \_\_\_\_\_

POZMIX \_\_\_\_\_ @ \_\_\_\_\_

GEL \_\_\_\_\_ @ \_\_\_\_\_

CHLORIDE \_\_\_\_\_ @ \_\_\_\_\_

ASC \_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

HANDLING \_\_\_\_\_ @ \_\_\_\_\_

MILEAGE \_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

**SERVICE**

DEPTH OF JOB \_\_\_\_\_

PUMP TRUCK CHARGE \_\_\_\_\_ 4365.63

EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_

MILEAGE 75mi @ 7.70 577.50

MANIFOLD Sledge @ 140.00

LV 75mi @ 4.40 330.00

Data Acquisition @ 1694.00

TOTAL 7107.13

**PLUG & FLOAT EQUIPMENT**

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

CHARGE TO: Sand Ridge Energy

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

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 \_\_\_\_\_

SIGNATURE \_\_\_\_\_

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES 7107.13

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

Net 4975.00



Standard Wellpath Report  
 Sandridge  
 Sec 26 - 22S - 31W, Kansas  
 Finney County  
 Wellbore: Faldtz 2231 2-26H (Actual)

**Wellbore**

Name	Created	Last Revised
Faldtz 2231 2-26H (Actual)	20-Dec-2013	20-Jan-2014

**Well**

Name	Government ID	Last Revised
Faldtz 2231 2-26H		20-Dec-2013

**Slot**

Name	Grid Northing	Grid Easting	Latitude	Longitude	North	East
Faldtz 2231 2-26H	532140.1020	1371978.6760	N38 6 28.5514	W100 40 58.3190	1327.18N	179.33W

**Installation**

Name	Easting	Northing	Coord System Name	North Alignment
Finney County	1372158.0000	530813.0001	KS-S on NORTH AMERICAN DATUM 1927 datum	Grid

**Field**

Name	Easting	Northing	Coord System Name	North Alignment
Sec 26 - 22S - 31W	1372158.0000	530813.0001	KS-S on NORTH AMERICAN DATUM 1927 datum	Grid

**Created By**

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**Comments**

FINAL SURVEYS:  
 MD 6979 is a projection to bit @ TD



Standard Wellpath Report  
Sandridge  
Sec 26 - 22S - 31W, Kansas  
Finney County  
Wellbore: Faldtz 2231 2-26H (Actual)

**Wellpath (Grid) Report**

MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft ]	Easting	Northing
0.00	0.00	0.000	0.00	0.00N	0.00E		0.00	1371978.68	532140.10
1896.00	1.40	281.000	1895.81	4.42N	22.74W	0.07	21.14	1371955.94	532144.52
2149.00	0.90	274.200	2148.76	5.15N	27.75W	0.20	25.67	1371950.92	532145.26
2401.00	0.70	290.800	2400.74	5.85N	31.17W	0.12	28.86	1371947.51	532145.95
2654.00	0.50	267.400	2653.72	6.35N	33.71W	0.12	31.23	1371944.96	532146.45
2906.00	0.60	286.800	2905.71	6.68N	36.07W	0.08	33.35	1371942.60	532146.78
3159.00	0.90	297.500	3158.69	7.98N	39.11W	0.13	36.58	1371939.57	532148.08
3411.00	0.30	82.500	3410.68	8.98N	40.21W	0.46	38.05	1371938.47	532149.08
3661.00	0.10	88.000	3660.68	9.07N	39.34W	0.08	37.40	1371939.34	532149.17
3914.00	0.30	64.200	3913.68	9.37N	38.52W	0.08	36.90	1371940.16	532149.47
4069.00	0.40	93.700	4068.67	9.51N	37.62W	0.13	36.24	1371941.06	532149.61
4101.00	0.40	39.400	4100.67	9.59N	37.44W	1.14	36.14	1371941.24	532149.69
4132.00	1.60	320.800	4131.67	10.01N	37.64W	5.07	36.55	1371941.04	532150.11
4164.00	4.20	310.700	4163.62	11.12N	38.81W	8.25	38.14	1371939.87	532151.22
4196.00	6.60	307.800	4195.48	13.01N	41.15W	7.55	41.15	1371937.53	532153.11
4227.00	8.90	311.300	4226.20	15.68N	44.36W	7.57	45.31	1371934.32	532155.78
4259.00	12.00	315.800	4257.66	19.70N	48.54W	10.01	51.04	1371930.14	532159.80
4291.00	15.20	316.200	4288.76	25.12N	53.77W	10.00	58.43	1371924.91	532165.22
4323.00	17.40	316.800	4319.47	31.63N	59.95W	6.90	67.23	1371918.73	532171.73
4354.00	19.50	316.800	4348.88	38.78N	66.66W	6.77	76.84	1371912.02	532178.88
4386.00	22.10	316.400	4378.79	47.04N	74.47W	8.14	87.97	1371904.21	532187.14
4417.00	24.40	315.100	4407.27	55.80N	83.01W	7.60	100.00	1371895.67	532195.90
4449.00	26.60	313.800	4436.15	65.44N	92.85W	7.09	113.59	1371885.83	532205.54
4479.00	28.90	312.200	4462.70	74.96N	103.07W	8.06	127.43	1371875.61	532215.06
4511.00	31.40	310.300	4490.37	85.55N	115.16W	8.36	143.41	1371863.52	532225.64
4542.00	33.50	308.500	4516.53	96.10N	128.01W	7.46	159.99	1371850.67	532236.19
4574.00	35.10	306.300	4542.96	107.04N	142.34W	6.32	178.01	1371836.34	532247.14
4606.00	37.40	304.600	4568.77	118.01N	157.76W	7.84	196.93	1371820.93	532258.10
4637.00	39.50	303.000	4593.04	128.73N	173.78W	7.50	216.20	1371804.91	532268.82
4668.00	41.30	302.900	4616.65	139.65N	190.64W	5.81	236.27	1371788.05	532279.75
4700.00	43.30	304.300	4640.32	151.57N	208.57W	6.91	257.80	1371770.12	532291.67
4731.00	45.20	305.200	4662.52	163.91N	226.34W	6.46	279.43	1371752.35	532304.00
4763.00	47.90	306.300	4684.53	177.48N	245.19W	8.80	302.66	1371733.50	532317.57
4794.00	51.30	306.400	4704.62	191.47N	264.20W	10.97	326.25	1371714.49	532331.56
4825.00	55.00	305.800	4723.21	206.08N	284.24W	12.04	351.05	1371694.45	532346.17
4856.00	58.50	305.100	4740.20	221.11N	305.36W	11.45	376.97	1371673.33	532361.20
4888.00	61.80	305.000	4756.13	237.05N	328.08W	10.32	404.72	1371650.62	532377.14
4920.00	64.60	304.800	4770.55	253.39N	351.50W	8.77	433.28	1371627.20	532393.48
4951.00	66.80	305.100	4783.31	269.58N	374.66W	7.15	461.54	1371604.04	532409.66
4982.00	70.10	305.200	4794.69	286.17N	398.23W	10.65	490.36	1371580.47	532426.26
5013.00	74.00	305.200	4804.25	303.17N	422.32W	12.58	519.85	1371556.38	532443.25
5045.00	77.00	305.100	4812.26	321.00N	447.65W	9.38	550.83	1371531.05	532461.09
5077.00	78.70	305.200	4818.99	339.01N	473.23W	5.32	582.11	1371505.47	532479.10
5109.00	81.00	305.300	4824.63	357.19N	498.95W	7.19	613.61	1371479.75	532497.27
5140.00	84.10	305.300	4828.65	374.95N	524.04W	10.00	644.34	1371454.67	532515.03
5172.00	86.20	305.500	4831.35	393.42N	550.02W	6.59	676.22	1371428.68	532533.50
5204.00	86.50	305.100	4833.39	411.88N	576.09W	1.56	708.16	1371402.62	532551.95
5235.00	86.50	305.200	4835.28	429.69N	601.39W	0.32	739.10	1371377.32	532569.77
5266.00	86.60	304.800	4837.15	447.44N	626.74W	1.33	770.04	1371351.98	532587.51
5298.00	86.40	304.800	4839.10	465.67N	652.96W	0.63	801.98	1371325.75	532605.74
5329.00	86.50	305.100	4841.02	483.39N	678.32W	1.02	832.92	1371300.39	532623.46
5361.00	86.40	304.400	4843.00	501.60N	704.57W	2.21	864.86	1371274.15	532641.67
5393.00	86.60	304.900	4844.96	519.76N	730.84W	1.68	896.80	1371247.88	532659.83
5424.00	86.80	304.700	4846.74	537.42N	756.25W	0.91	927.75	1371222.47	532677.49
5527.00	89.60	304.500	4849.98	595.87N	840.99W	2.73	1030.68	1371137.74	532735.94
5622.00	88.00	304.600	4851.97	649.74N	919.21W	1.69	1125.66	1371059.52	532789.80
5718.00	87.90	304.900	4855.40	704.42N	998.04W	0.33	1221.59	1370980.70	532844.48
5813.00	89.60	305.200	4857.47	758.96N	1075.79W	1.82	1316.57	1370902.95	532899.02
5909.00	89.80	305.500	4857.98	814.50N	1154.09W	0.38	1412.56	1370824.66	532954.56
6005.00	90.70	306.300	4857.56	870.79N	1231.85W	1.25	1508.55	1370746.90	533010.84
6101.00	89.20	306.400	4857.64	927.69N	1309.17W	1.57	1604.53	1370669.59	533067.74
6196.00	88.50	306.300	4859.55	983.99N	1385.67W	0.74	1699.48	1370593.09	533124.03
6292.00	89.30	306.800	4861.39	1041.15N	1462.77W	0.98	1795.44	1370515.99	533181.19
6388.00	91.50	305.800	4860.72	1097.98N	1540.13W	2.52	1891.41	1370438.64	533238.01
6483.00	91.40	307.100	4858.32	1154.40N	1616.52W	1.37	1986.35	1370362.25	533294.43
6579.00	88.50	305.100	4858.40	1210.95N	1694.08W	3.67	2082.32	1370284.70	533350.98
6675.00	89.10	306.400	4860.41	1267.03N	1771.97W	1.49	2178.29	1370206.81	533407.05
6770.00	86.00	306.200	4864.47	1323.21N	1848.45W	3.27	2273.17	1370130.33	533463.23
6866.00	86.80	305.800	4870.50	1379.53N	1925.97W	0.93	2368.97	1370052.83	533519.54
6923.00	89.10	305.700	4872.54	1412.80N	1972.19W	4.04	2425.92	1370006.60	533552.82

All data is in Feet unless otherwise stated  
Coordinates are from Slot MD's are from Slot and TVD's are from Slot ( Faldtz 2231 2-26H 0.00ft above Mean Sea Level )  
Vertical Section is from 0.00N 0.00E on azimuth 305.110 degrees  
Bottom hole distance is 2482.01 Feet on azimuth 305.62 degrees from Wellhead  
Calculation method uses Minimum Curvature method  
Prepared by  
Date Printed: 20-Jan-2014





Standard Wellpath Report  
Sandridge  
Sec 26 - 22S - 31W, Kansas  
Finney County  
Wellbore: Faldtz 2231 2-26H (Actual)

Wellpath (Grid) Report

MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft ]	Easting	Northing
6979.00	89.10	305.700	4873.42	1445.48N	2017.66W	==>	2481.91	1369961.13	533585.49

All data is in Feet unless otherwise stated  
Coordinates are from Slot MD's are from Slot and TVD's are from Slot ( Faldtz 2231 2-26H 0.00ft above Mean Sea Level )  
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Standard Wellpath Report  
Sandridge  
Sec 26 - 22S - 31W, Kansas  
Finney County  
Wellbore: Faldtz 2231 2-26H (Actual)

**Comments**

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MD[ft]	TVD[ft]	North[ft]	East[ft]	Comment
5424.00	4846.74	537.42N	756.25W	Target change to 4860 KBTVD

All data is in Feet unless otherwise stated  
Coordinates are from Slot MD's are from Slot and TVD's are from Slot ( Faldtz 2231 2-26H 0.00ft above Mean Sea Level )  
Vertical Section is from 0.00N 0.00E on azimuth 305.110 degrees  
Bottom hole distance is 2482.01 Feet on azimuth 305.62 degrees from Wellhead  
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Location Kansas  
Field Sec 26 - 22S - 31W

Installation Finney County  
Well Faldtz 2231 2-26H

Installation Data			
Name	Latitude	Longitude	Easting
Finney County	N38 6 15.48	W100 40 55.69	530813.00
Coordinate System	Kansas State Planes, Southern Zone		

Slot Data			
Name	North [ft]	East [ft]	Latitude
dz 2231 2-26H	1327.18 N	-179.33 E	N38 6 15.48
Mean Sea Level [ft]	0.00		

Elevation Data			
Name	North [ft]	East [ft]	Latitude
dz 2231 2-26H	1327.18 N	-179.33 E	N38 6 15.48
Mean Sea Level [ft]	0.00		

WELL PROFILE DATA						
Point	MD	Inc	Azi	TVD	East	V. Sect
Tie on	0.00	0.00	0.00	0.00	0.00	0.00
KOP	4116.71	0.00	0.00	4116.71	0.00	0.00
Target Faldtz 2231 2-2	5191.71	86.00	305.11	4831.16	383.19	8.00
Target Faldtz 2231 2-2	5441.71	86.00	305.11	4848.60	526.63	8.00
End of Build/Turn	5469.29	88.21	305.11	4849.99	542.47	8.00
End of Hold	5777.74	88.21	305.11	4859.65	719.81	8.00
Target Faldtz 2231 2-2	5800.16	90.00	305.11	4860.00	732.70	8.00
C. & Target Faldtz 22	6946.44	90.00	305.11	4860.00	1391.98	8.00

TARGET DATA			
ID	Inc	Azi	Position
31.71	86.00	305.11	Faldtz 2231 2-26H - 86°
11.71	86.00	305.11	Faldtz 2231 2-26H - End 86°
10.16	90.00	305.11	Faldtz 2231 2-26H - LP
16.44	90.00	305.11	Faldtz 2231 2-26H - BHL

