



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1107982
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: _____



1107982

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: 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 |
|-----------------------------------|-----------|---------|-------------|---------------|---------|
| | | | | | |

| | | |
|--|---|---|
| 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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____ | PRODUCTION INTERVAL: _____ _____ |
|--|---|---|

| | |
|-----------|--|
| Form | ACO1 - Well Completion |
| Operator | SandRidge Exploration and Production LLC |
| Well Name | Turner 3406 3-7H |
| Doc ID | 1107982 |

All Electric Logs Run

| |
|-----------|
| |
| Boresight |
| Mud Log |
| Density |
| Induction |

| | |
|-----------|--|
| Form | ACO1 - Well Completion |
| Operator | SandRidge Exploration and Production LLC |
| Well Name | Turner 3406 3-7H |
| Doc ID | 1107982 |

Perforations

| Shots Per Foot | Perforation Record | Material Record | Depth |
|----------------|--------------------|---|-------|
| 5 | 11265-11550 | 4239 bbls water, 36 bbls acid, 75M lbs sd, 4426 TLTR | |
| 5 | 10672-11076 | 4232 bbls water, 36 bbls acid, 75M lbs sd, 9021 TLTR | |
| 5 | 10093-10584 | 4223 bbls water, 36 bbls acid, 75M lbs sd, 13609 TLTR | |
| 5 | 9684-10020 | 4217 bbls water, 36 bbls acid, 75M lbs sd, 18196 TLTR | |
| 5 | 9028-9440 | 4206 bbls water, 36 bbls acid, 75M lbs sd, 22587 TLTR | |
| 5 | 8598-8925 | 4200 bbls water, 36 bbls acid, 75M lbs sd, 27083 TLTR | |
| 5 | 8188-8540 | 4193 bbls water, 36 bbls acid, 75M lbs sd, 31687 TLTR | |
| 5 | 7640-8040 | 4185 bbls water, 36 bbls acid, 75M lbs sd, 36133 TLTR | |
| 5 | 7138-7505 | 4177 bbls water, 36 bbls acid, 75M lbs sd, 40567 TLTR | |
| 5 | 6698-7055 | 4170 bbls water, 36 bbls acid, 75M lbs sd, 45030 TLTR | |

| | |
|-----------|--|
| Form | ACO1 - Well Completion |
| Operator | SandRidge Exploration and Production LLC |
| Well Name | Turner 3406 3-7H |
| Doc ID | 1107982 |

Perforations

| Shots Per Foot | Perforation Record | Material Record | Depth |
|----------------|--------------------|---|-------|
| 5 | 6073-6590 | 4160 bbls water, 36 bbls acid, 75M lbs sd, 49319 TLTR | |
| 5 | 5653-5980 | 4154 bbls water, 36 bbls acid, 75M lbs sd, 53691 TLTR | |
| 5 | 5273-5560 | 4148 bbls water, 36 bbls acid, 75M lbs sd, 57884 TLTR | |

| | |
|-----------|--|
| Form | ACO1 - Well Completion |
| Operator | SandRidge Exploration and Production LLC |
| Well Name | Turner 3406 3-7H |
| Doc ID | 1107982 |

Casing

| Purpose Of String | Size Hole Drilled | Size Casing Set | Weight | Setting Depth | Type Of Cement | Number of Sacks Used | Type and Percent Additives |
|-------------------|-------------------|-----------------|--------|---------------|--|----------------------|--|
| Conductor | 20 | 20 | 75 | 100 | Mid-Continent Conductor grout | 10 | none |
| Surface | 12.25 | 9.63 | 36 | 790 | O-Tex Lite Premium Plus 65/ Premium Plus (Class C) | 375 | (6% gel) 2% Calcium Chloride, 1/4 pps Cello-Flake, .5% C-41P |
| Intermediate | 8.75 | 7 | 26 | 5335 | 50/50 Poz Premium/ Premium | 350 | 4% gel, .4% C-12, .1% C-37, .5% C-41P, 2 lb/sk Phenoseal |
| Liner | 6.12 | 4.5 | 11.6 | 9999 | 50/50 Premium Poz | 500 | (4% gel) .4% C12, .1% C37, .5% C-41P, 2 lb/sk Phenoseal |

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

January 15, 2013

Tiffany Golay
SandRidge Exploration and Production LLC
123 ROBERT S. KERR AVE
OKLAHOMA CITY, OK 73102-6406

Re: ACO1
API 15-077-21896-01-00
Turner 3406 3-7H
SW/4 Sec.07-34S-06W
Harper County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Tiffany Golay



Invoice

P.O. Box 1570
Woodward, OK 73802

Phone: (580)254-5400
Fax: (580)254-3242

| Date | Invoice # |
|-----------|-----------|
| 12/3/2012 | 1590 |

| |
|--|
| Bill To |
| SandRidge Energy, Inc. Attn: Purchasing Mgr. 123 Robert S. Kerr Avenue Oklahoma City, OK. 73102 |

AFE Number: DC 12568
Well Name: TURNER 3406 3-7H
Code: 850-010
Amount: \$17,340.00
Co. Man: Harold Rollen
Co. Man Sig: Harold Rollen
Notes: _____

| Ordered By | Terms | Date of Service | Lease Name/Legal Desc. | Drilling Rig |
|-------------|--------|-----------------|-----------------------------------|--------------|
| Ricky Beene | Net 45 | 12/3/2012 | Turner 3406 3-7H, Harper Cnty, KS | Lariat 39 |

| Item | Quantity | Description |
|-----------------------------|----------|--|
| Conductor Hole | 90 | Drilled 90 ft. conductor hole |
| 20" Pipe | 90 | Furnished 90 ft. of 20 inch conductor pipe |
| Mouse Hole | 80 | Drilled 80 ft. mouse hole |
| 16" Pipe | 80 | Furnished 80 ft. of 16 inch mouse hole pipe |
| Cellar Hole | 1 | Drilled 6' X 6' cellar hole |
| 6' X 6' Tinhorn | 1 | Furnished and set 6' X 6' tinhorn |
| Mud and Water | 1 | Furnished mud and water |
| Transport Truck - Conductor | 1 | Transport mud and water to location |
| Grout & Trucking | 10 | Furnished grout and trucking to location |
| Grout Pump | 1 | Furnished grout pump |
| Welder & Materials | 1 | Furnished welder and materials |
| Dirt Removal | 1 | Furnished labor and equipment for dirt removal |
| Cover Plate | 1 | Furnished cover plates |
| Fence Panels | 4 | Furnished and installed fence panels around conductor hole |
| Permits | 1 | Permits |
| | | Subtotal \$17,340.00 |
| | | Sales Tax (0.0%) \$0.00 |
| | | Total \$17,340.00 |

| | | | | |
|----------------------------------|-------------------------|---|--------------------------------------|--------------------------------|
| JOB SUMMARY | | | PROJECT NUMBER SOK 2253 | TICKET DATE 12/25/12 |
| COUNTY Harper | State Kansas | COMPANY Bridge Exploration & Produc | CUSTOMER REP David Montoya | |
| LEASE NAME Turner 3406 | Well No. 3-7H | JOB TYPE Surface | EMPLOYEE NAME Daniel Wells | |

| | | | | | |
|------------------|--|--|--|--|--|
| EMP NAME | | | | | |
| Daniel Wells | | | | | |
| Michael Chalfant | | | | | |
| Jayson Seyfreid | | | | | |
| David Settlemier | | | | | |

Form. Name _____ Type: _____
 Packer Type _____ Set At _____ 0
 Bottom Hole Temp. _____ 80 Pressure _____
 Retainer Depth _____ Total Depth _____ 800

| Date | Called Out | On Location | Job Started | Job Completed |
|------|------------|-------------|-------------|---------------|
| | 12/24/2012 | 12/24/2012 | 12/25/2012 | 12/25/2012 |
| Time | 1700 | 2000 | 0640 | 0830 |

| Type and Size | Qty | Make |
|--------------------------|-----|------|
| Auto Fill Tube | 0 | IR |
| Insert Float Val | 0 | IR |
| Centralizers | 0 | IR |
| Top Plug | 1 | IR |
| HEAD | 1 | IR |
| Limit clamp | 0 | IR |
| Weld-A | 0 | IR |
| Texas Pattern Guide Shoe | 0 | IR |
| Cement Basket | 0 | IR |

| Well Data | | New/Used | Weight | Size | Grade | From | To | Max. Allow |
|--------------|--|----------|--------|---------|-------|---------|-----|------------|
| Casing | | | 36# | 9 5/8" | | Surface | 792 | 1,500 |
| Liner | | | | | | | | |
| Liner | | | | | | | | |
| Tubing | | | | 0 | | | | |
| Drill Pipe | | | | | | | | |
| Open Hole | | | | 12 1/4" | | Surface | 800 | Shots/Ft. |
| Perforations | | | | | | | | |
| Perforations | | | | | | | | |
| Perforations | | | | | | | | |

| Materials | | | |
|---------------|-------------|---------|-------------|
| Mud Type | WBM | Density | 9 Lb/Gal |
| Disp. Fluid | Fresh Water | Density | 8.33 Lb/Gal |
| Spacer type | Fresh Water | BBL. | 10 8.33 |
| Spacer type | | BBL. | |
| Acid Type | | Gal. | % |
| Acid Type | | Gal. | % |
| Surfactant | | Gal. | In |
| NE Agent | | Gal. | In |
| Fluid Loss | | Gal/Lb | In |
| Gelling Agent | | Gal/Lb | In |
| Fric. Red. | | Gal/Lb | In |
| MISC. | | Gal/Lb | In |

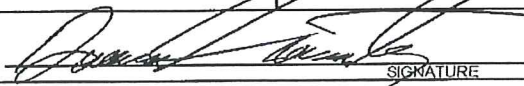
| Hours On Location | | Operating Hours | | Description of Job |
|-------------------|-------|-----------------|-------|--------------------|
| Date | Hours | Date | Hours | |
| 12/24 | 12.0 | 12/25 | 1.5 | Surface |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| Total | 12.0 | Total | 1.5 | |

Perfpac Balls _____ Qty. _____
 Other _____
 Other _____
 Other _____
 Other _____

| Pressures | |
|----------------------|------------|
| MAX 1,500 PSI | AVG. 230 |
| Average Rates in BPM | |
| MAX 6 BPM | AVG 5 |
| Cement Left in | 46 |
| Feet | 46 |
| Reason | SHOE JOINT |

| Cement Data | | | | | | |
|-------------|-------|--------------------------|---|-------|-------|---------|
| Stage | Sacks | Cement | Additives | W/Rq. | Yield | Lbs/Gal |
| 1 | 275 | TEX Lite Premium Plus 65 | (6% Gel) 2% Calcium Chloride - 1/4pps Cello-Flake - .5% C-41P | 10.88 | 1.84 | 12.70 |
| 2 | 100 | Premium Plus (Class C) | 2% Calcium Chloride - 1/4pps Cello-Flake | 6.32 | 1.32 | 14.80 |
| | | | | | | |
| | | | | | | |

| Summary | | | | | |
|--------------------|----------------|-----------|------------------------|------------|--------------------|
| Preflush Breakdown | Type: MAXIMUM | 1,500 PSI | Preflush: BBI | 10.00 | Type: Fresh Water |
| | Lost Returns-N | NO/FULL | Load & Bkdn: Gal - BBI | N/A | Pad:Bbl -Gal N/A |
| | Actual TOC | SURFACE | Excess /Return BBI | 20 | Calc. Disp Bbl 58 |
| Average | Bump Plug PSI: | 750 | Calc. TOC: | SURFACE | Actual Disp. 58.00 |
| ISIP 5 Min. | 10 Min. | 15 Min. | Final Circ. PSI: | 230 | Disp:Bbl 58.00 |
| | | | Cement Slurry: BBI | 113.0 | |
| | | | Total Volume | BBI 181.00 | |

CUSTOMER REPRESENTATIVE  SIGNATURE

| | | | | |
|----------------------------------|-------------------------|--|--------------------------------------|--------------------------------|
| JOB SUMMARY | | | PROJECT NUMBER SOK 2281 | TICKET DATE 01/03/13 |
| COUNTY Harper | State KANSAS | COMPANY Sandridge Exploration & Production | CUSTOMER REP Harold Roller | |
| LEASE NAME Turner 3406 | Well No. 3-7H | JOB TYPE Intermediate | EMPLOYEE NAME Eric Parsons | |

| | | | | | |
|---------------------------------|----------------------|--|--|--|--|
| EMP NAME Eric Parsons | Kevin Johnson | | | | |
| Arthur Setzer | | | | | |
| John Hall | | | | | |
| Wallace Berry | | | | | |

Form. Name _____ Type: _____
Packer Type _____ Set At **0**
Bottom Hole Temp. **155** Pressure _____
Retainer Depth _____ Total Depth **5338**

| | | | | |
|------|-------------------------------|--------------------------------|--------------------------------|----------------------------------|
| Date | Called Out 1/2/2013 | On Location 1/2/2013 | Job Started 1/3/2013 | Job Completed 1/3/2013 |
| Time | 9:00am | 3:00pm | | |

| Type and Size | Qty | Make |
|--------------------------|-----|------|
| Auto Fill Tube | 0 | IR |
| Insert Float Va | 0 | IR |
| Centralizers | 0 | IR |
| Top Plug | 0 | IR |
| HEAD | 0 | IR |
| Limit clamp | 0 | IR |
| Weld-A | 0 | IR |
| Texas Pattern Guide Shoe | 0 | IR |
| Cement Basket | 0 | IR |

| Well Data | | | | | | | |
|--------------|----------|--------|--------|-------|---------|-------|------------|
| | New/Used | Weight | Size | Grade | From | To | Max. Allow |
| Casing | | 26# | 7" | | Surface | 5,338 | 5,000 |
| Liner | | | | | | | |
| Liner | | | | | | | |
| Tubing | | | 0 | | | | |
| Drill Pipe | | | | | | | |
| Open Hole | | | 8 3/4" | | Surface | 5,370 | Shots/Ft. |
| Perforations | | | | | | | |
| Perforations | | | | | | | |
| Perforations | | | | | | | |

| Materials | | | |
|---------------|-------------|---------|-------------|
| Mud Type | WBM | Density | 9 Lb/Gal |
| Disp. Fluid | Fresh Water | Density | 8.33 Lb/Gal |
| Spacer type | Gel | BBL. | 30 8.59 |
| Spacer type | BBL. | | |
| Acid Type | Gal. | | % |
| Acid Type | Gal. | | % |
| Surfactant | Gal. | | In |
| NE Agent | Gal. | | In |
| Fluid Loss | Gal/Lb | | In |
| Gelling Agent | Gal/Lb | | In |
| Fric. Red. | Gal/Lb | | In |
| MISC. | Gal/Lb | | In |
| Perfpac Balls | Qty. | | |
| Other | | | |
| Other | | | |
| Other | | | |
| Other | | | |
| Other | | | |

| Hours On Location | | Operating Hours | | Description of Job |
|-------------------|-------|-----------------|-------|--------------------|
| Date | Hours | Date | Hours | |
| 1/2 | | 1/3 | | Intermediate |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| Total | 0.0 | Total | 0.0 | |

| Pressures | |
|----------------------|------------|
| MAX | 5,000 PSI |
| AVG | |
| Average Rates in BPM | |
| MAX | 8 BPM |
| AVG | |
| Cement Left in Pipe | |
| Feet | 82 |
| Reason | SHOE JOINT |

| Cement Data | | | | | | |
|-------------|-------|-------------------|---|-------|-------|---------|
| Stage | Sacks | Cement | Additives | W/Rq. | Yield | Lbs/Gal |
| 1 | 250 | 50/50 POZ PREMIUM | 4% Gel - 0.4% C-12 - 0.1% C-37 - 0.5% C-41P - 2 lb/sk Phenoseal | 6.77 | 1.44 | 13.60 |
| 2 | 100 | Premium | 0.4% C-12 - 0.1% C-37 | 5.20 | 1.18 | 15.60 |
| 3 | 0 | 0 | | 0 | 0.00 | 0.00 |

| Summary | | | |
|--------------------|----------------|------------------------|--------|
| Preflush Breakdown | Type: _____ | Preflush: BBI | 30.00 |
| | MAXIMUM | Load & Bkdn: Gal - BBI | N/A |
| | Lost Returns-N | Excess /Return BBI | N/A |
| | Actual TOC | Calc. TOC: | 2,158 |
| Average | Bump Plug PSI: | Final Circ. PSI: | |
| ISIP 5 Min. | 10 Min | Cement Slurry BBI | 85.1 |
| | 15 Min | Total Volume BBI | 115.10 |

CUSTOMER REPRESENTATIVE Harold Roller SIGNATURE

| | | | | |
|----------------------------------|-------------------------|---|--------------------------------------|--------------------------------|
| JOB SUMMARY | | | PROJECT NUMBER SOK 2319 | TICKET DATE 01/12/13 |
| COUNTY Harper | State Kansas | COMPANY Bridge Exploration & Produc | CUSTOMER REP David Montoya | |
| LEASE NAME Turner 3406 | Well No. 3-7H | JOB TYPE Liner | EMPLOYEE NAME Billy Taff | |

| | | | | | |
|-------------------------------|----------------------|--|--|--|--|
| EMP NAME Billy Taff | Arthur Setzar | | | | |
| John Hall | | | | | |
| Wallace Berry | | | | | |
| Kevin Johnson | | | | | |

Form. Name _____ Type: _____

Packer Type _____ Set At _____ 0 _____

Bottom Hole Temp. **150** Pressure _____

Retainer Depth _____ Total Depth **9436**

| Date | Called Out | On Location | Job Started | Job Completed |
|------|------------------|------------------|------------------|------------------|
| | 1/12/2013 | 1/13/2013 | 1/13/2013 | 1/13/2013 |
| Time | 7:00pm | 12:00am | 6:45am | 9:30am |

| Type and Size | Qty | Make |
|--------------------------|-----|--------------------|
| Auto Fill Tube | 0 | Weatherford |
| Insert Float Val | 0 | |
| Centralizers | 0 | |
| Top Plug | 0 | |
| HEAD | 0 | |
| Limit clamp | 0 | |
| Weld-A | 0 | |
| Texas Pattern Guide Shoe | 0 | |
| Cement Basket | 0 | |

| Well Data | | | | | |
|---------------|----------|--------|------|-------|-------------------------|
| | New/Used | Weight | Size | Grade | |
| Casing | | 11.6 | 4 | 1/2 | |
| Liner Tool | | | | | |
| HWDP | | | | | |
| Drill Pipe | | | 3 | 1/2" | |
| Drill Collars | | | | | |
| Open Hole | | | 6 | 1/8" | Surface 9,436 Shots/Ft. |
| Perforations | | | | | |
| Perforations | | | | | |
| Perforations | | | | | |

| Materials | | | |
|---------------|-----------------|---------|--------|
| Mud Type | WBM | Density | Lb/Gal |
| Disp. Fluid | Fresh Water | Density | 8.33 |
| Spacer type | resh Water BBL. | 20 | 8.33 |
| Spacer type | Caustic BBL. | 10 | 8.40 |
| Acid Type | Gal. | % | |
| Acid Type | Gal. | % | |
| Surfactant | Gal. | In | |
| NE Agent | Gal. | In | |
| Fluid Loss | Gal/Lb | In | |
| Gelling Agent | Gal/Lb | In | |
| Fric. Red. | Gal/Lb | In | |
| MISC. | Gal/Lb | In | |

| Hours On Location | | Operating Hours | | Description of Job |
|-------------------|-------|-----------------|-------|--------------------|
| Date | Hours | Date | Hours | |
| 1/13 | 9.0 | 1/13 | 2.0 | Liner |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| Total | 9.0 | Total | 2.0 | |

Perfpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

Other _____

| Pressures | | |
|----------------------|-------------------|----------|
| MAX | 3,500 PSI | AVG. 600 |
| Average Rates in BPM | | |
| MAX | 6 BPM | AVG 5 |
| Cement Left in Pipe | | |
| Feet | Reason SHOE JOINT | |

| Cement Data | | | | | | |
|-------------|-------|-------------------|--|-------|-------|---------|
| Stage | Sacks | Cement | Additives | W/Rq. | Yield | Lbs/Gal |
| 1 | 500 | 50/50 Premium Poz | (4%Gel) - .4% C12 - .1% C37 - 0.5% C-41P - 2 Lb/Sk Phenoseal | 6.77 | 1.44 | 13.60 |
| 2 | 0 | 0 | | 0 | 0.00 | 0.00 |
| 3 | 0 | 0 | | 0 | 0.00 | 0.00 |

| Summary | | | | | |
|-----------|-----|------------------------|------------------------|--------|---------------------|
| Preflush | 10- | Type: Caustic | Preflush: BBI | 20.00 | Type: 8.59#SPACER |
| Breakdown | | MAXIMUM 3,500 PSI | Load & Bkdn: Gal - BBI | N/A | Pad:Bbl -Gal N/A |
| | | Lost Returns-N NO/FULL | Excess /Return BBI | N/A | Calc. Disp Bbl 149 |
| | | Actual TOC 4.697 | Calc. TOC: | 4.697 | Actual Disp. 149.00 |
| Average | | Bump Plus PSI: 2,000 | Final Circ. PSI: | 1,500 | Disp:Bbl |
| 15 Min | | 10 Min | Cement Slurry: BBI | 184.6 | |
| | | 15 Min | Total Volume: BBI | 353.60 | |

CUSTOMER REPRESENTATIVE *David Montoya* SIGNATURE **1-13-13**



Standard Wellpath Report
Sandridge
Sec 7 - 34S - 6W, Kansas
Harper County
Wellbore: Turner 3406 3-7H (Actual)

Wellbore

| Name | Created | Last Revised |
|---------------------------|-------------|--------------|
| Turner 3406 3-7H (Actual) | 18-Dec-2012 | 14-Jan-2013 |

Well

| Name | Government ID | Last Revised |
|------------------|---------------|--------------|
| Turner 3406 3-7H | | 17-Dec-2012 |

Slot

| Name | Grid Northing | Grid Easting | Latitude | Longitude | North | East |
|------------------|---------------|--------------|---------------|--------------|---------|----------|
| Turner 3406 3-7H | 156317.0000 | 2140786.0000 | N37 5 41.8808 | W98 1 2.4127 | 176.99N | 4532.84W |

Installation

| Name | Easting | Northing | Coord System Name | North Alignment |
|---------------|--------------|-------------|---|-----------------|
| Harper County | 2145319.0000 | 156140.0001 | KS-S on NORTH AMERICAN DATUM 1927 datum | Grid |

Field

| Name | Easting | Northing | Coord System Name | North Alignment |
|------------------|--------------|-------------|---|-----------------|
| Sec 7 - 34S - 6W | 2145319.0000 | 156140.0001 | KS-S on NORTH AMERICAN DATUM 1927 datum | Grid |

| Created By |
|------------|
| |

| Comments |
|---|
| FINAL Surveys MD 11690 is a projection to bit @ TD |



Standard Wellpath Report
 Sandridge
 Sec 7 - 34S - 6W, Kansas
 Harper County
 Wellbore: Turner 3406 3-7H (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 | 2140786.00 | 156317.00 |
| 875.00 | 1.00 | 260.300 | 874.96 | 1.29S | 7.53W | 0.11 | -2.29 | 2140778.47 | 156315.71 |
| 1341.00 | 1.00 | 271.100 | 1340.89 | 1.89S | 15.60W | 0.04 | -3.97 | 2140770.40 | 156315.11 |
| 1809.00 | 0.70 | 286.100 | 1808.83 | 1.02S | 22.43W | 0.08 | -4.03 | 2140763.57 | 156315.98 |
| 1902.00 | 1.00 | 37.700 | 1901.83 | 0.22S | 22.48W | 1.52 | -3.24 | 2140763.52 | 156316.78 |
| 1996.00 | 4.00 | 59.600 | 1995.73 | 2.09N | 19.15W | 3.29 | -0.51 | 2140766.85 | 156319.09 |
| 2091.00 | 6.00 | 58.900 | 2090.36 | 6.33N | 12.04W | 2.11 | 4.65 | 2140773.96 | 156323.33 |
| 2185.00 | 6.40 | 60.800 | 2183.81 | 11.42N | 3.26W | 0.48 | 10.88 | 2140782.74 | 156328.42 |
| 2280.00 | 6.40 | 68.300 | 2278.22 | 15.96N | 6.28E | 0.88 | 16.66 | 2140792.28 | 156332.96 |
| 2374.00 | 9.00 | 68.500 | 2371.37 | 20.59N | 17.99E | 2.77 | 22.83 | 2140803.99 | 156337.60 |
| 2466.00 | 12.30 | 63.800 | 2461.77 | 27.56N | 33.49E | 3.71 | 31.81 | 2140819.49 | 156344.56 |
| 2560.00 | 15.30 | 61.200 | 2553.05 | 37.96N | 53.34E | 3.26 | 44.79 | 2140839.34 | 156354.96 |
| 2654.00 | 15.60 | 60.900 | 2643.65 | 50.08N | 75.25E | 0.33 | 59.75 | 2140861.26 | 156367.08 |
| 2748.00 | 15.00 | 59.900 | 2734.32 | 62.33N | 96.82E | 0.70 | 74.78 | 2140882.83 | 156379.33 |
| 2842.00 | 14.30 | 63.100 | 2825.26 | 73.68N | 117.70E | 1.14 | 88.84 | 2140903.70 | 156390.68 |
| 2935.00 | 14.60 | 64.400 | 2915.32 | 83.94N | 138.51E | 0.98 | 101.81 | 2140924.52 | 156400.95 |
| 3028.00 | 14.40 | 63.700 | 3005.36 | 94.13N | 159.45E | 0.29 | 114.72 | 2140945.46 | 156411.13 |
| 3120.00 | 15.70 | 62.300 | 3094.20 | 104.99N | 180.73E | 1.47 | 128.34 | 2140966.73 | 156421.99 |
| 3212.00 | 15.60 | 60.600 | 3182.79 | 116.84N | 202.53E | 0.51 | 143.02 | 2140988.53 | 156433.85 |
| 3305.00 | 14.70 | 61.900 | 3272.56 | 128.54N | 223.83E | 1.03 | 157.48 | 2141009.84 | 156445.55 |
| 3400.00 | 15.00 | 56.100 | 3364.39 | 141.08N | 244.67E | 1.60 | 172.70 | 2141030.68 | 156458.08 |
| 3493.00 | 14.40 | 59.200 | 3454.35 | 153.71N | 264.59E | 1.06 | 187.90 | 2141050.60 | 156470.72 |
| 3586.00 | 14.40 | 54.400 | 3544.43 | 166.36N | 283.93E | 1.28 | 203.04 | 2141069.94 | 156483.37 |
| 3680.00 | 14.70 | 56.800 | 3635.42 | 179.70N | 303.41E | 0.72 | 218.88 | 2141089.42 | 156496.71 |
| 3774.00 | 14.90 | 60.200 | 3726.30 | 192.24N | 323.88E | 0.95 | 234.05 | 2141109.89 | 156509.24 |
| 3800.00 | 14.40 | 59.800 | 3751.45 | 195.52N | 329.57E | 1.96 | 238.08 | 2141115.59 | 156512.53 |
| 3831.00 | 13.00 | 59.700 | 3781.57 | 199.22N | 335.92E | 4.52 | 242.59 | 2141121.93 | 156516.23 |
| 3862.00 | 13.30 | 60.200 | 3811.76 | 202.75N | 342.02E | 1.03 | 246.91 | 2141128.03 | 156519.76 |
| 3894.00 | 14.70 | 60.400 | 3842.81 | 206.59N | 348.75E | 4.38 | 251.62 | 2141134.76 | 156523.59 |
| 3925.00 | 16.30 | 58.400 | 3872.68 | 210.81N | 355.87E | 5.44 | 256.76 | 2141141.88 | 156527.82 |
| 3956.00 | 17.80 | 57.000 | 3902.32 | 215.67N | 363.55E | 5.02 | 262.61 | 2141149.56 | 156532.68 |
| 3987.00 | 19.80 | 56.100 | 3931.66 | 221.18N | 371.88E | 6.52 | 269.19 | 2141157.90 | 156538.19 |
| 4019.00 | 21.80 | 57.200 | 3961.57 | 227.42N | 381.38E | 6.37 | 276.65 | 2141167.39 | 156544.43 |
| 4050.00 | 24.60 | 59.900 | 3990.06 | 233.78N | 391.80E | 9.66 | 284.35 | 2141177.81 | 156550.79 |
| 4081.00 | 27.90 | 60.800 | 4017.86 | 240.55N | 403.72E | 10.72 | 292.67 | 2141189.73 | 156557.56 |
| 4113.00 | 31.00 | 61.900 | 4045.73 | 248.09N | 417.53E | 9.83 | 302.00 | 2141203.54 | 156565.10 |
| 4144.00 | 34.00 | 63.500 | 4071.87 | 255.72N | 432.33E | 10.07 | 311.55 | 2141218.34 | 156572.73 |
| 4174.00 | 37.10 | 63.400 | 4096.27 | 263.52N | 447.93E | 10.34 | 321.37 | 2141233.94 | 156580.53 |
| 4205.00 | 38.80 | 62.100 | 4120.72 | 272.25N | 464.87E | 6.06 | 332.30 | 2141250.89 | 156589.26 |
| 4237.00 | 40.20 | 60.500 | 4145.41 | 282.02N | 482.72E | 5.41 | 344.39 | 2141268.74 | 156599.04 |
| 4267.00 | 41.50 | 59.600 | 4168.10 | 291.82N | 499.72E | 4.76 | 356.39 | 2141285.74 | 156608.83 |
| 4299.00 | 43.80 | 59.300 | 4191.64 | 302.84N | 518.39E | 7.22 | 369.82 | 2141304.41 | 156619.85 |
| 4331.00 | 45.80 | 60.000 | 4214.34 | 314.23N | 537.85E | 6.44 | 383.72 | 2141323.87 | 156631.24 |
| 4362.00 | 46.80 | 59.600 | 4235.76 | 325.51N | 557.22E | 3.36 | 397.50 | 2141343.24 | 156642.52 |
| 4393.00 | 47.30 | 59.300 | 4256.88 | 337.04N | 576.76E | 1.76 | 411.56 | 2141362.78 | 156654.05 |
| 4455.00 | 47.50 | 59.100 | 4298.85 | 360.41N | 615.96E | 0.40 | 439.98 | 2141401.98 | 156677.42 |
| 4485.00 | 48.60 | 59.000 | 4318.90 | 371.88N | 635.10E | 3.68 | 453.93 | 2141421.12 | 156688.90 |
| 4546.00 | 49.80 | 58.000 | 4358.76 | 396.01N | 674.47E | 2.33 | 483.13 | 2141460.49 | 156713.03 |
| 4577.00 | 49.40 | 58.100 | 4378.85 | 408.51N | 694.50E | 1.31 | 498.21 | 2141480.52 | 156725.52 |
| 4608.00 | 49.70 | 56.100 | 4398.97 | 421.32N | 714.30E | 5.00 | 513.57 | 2141500.33 | 156738.33 |
| 4640.00 | 51.10 | 52.200 | 4419.37 | 435.76N | 734.27E | 10.36 | 530.57 | 2141520.30 | 156752.78 |
| 4671.00 | 52.80 | 48.700 | 4438.48 | 451.31N | 753.09E | 10.44 | 548.50 | 2141539.11 | 156768.32 |
| 4703.00 | 54.10 | 45.700 | 4457.54 | 468.77N | 771.94E | 8.56 | 568.34 | 2141557.97 | 156785.79 |
| 4734.00 | 56.60 | 45.300 | 4475.16 | 486.65N | 790.13E | 8.13 | 588.50 | 2141576.16 | 156803.67 |
| 4764.00 | 57.80 | 44.900 | 4491.41 | 504.45N | 807.99E | 4.15 | 608.54 | 2141594.02 | 156821.47 |
| 4795.00 | 59.80 | 44.200 | 4507.47 | 523.34N | 826.59E | 6.73 | 629.77 | 2141612.62 | 156840.36 |
| 4826.00 | 62.50 | 42.800 | 4522.43 | 543.04N | 845.27E | 9.57 | 651.80 | 2141631.30 | 156860.06 |
| 4856.00 | 65.60 | 40.700 | 4535.55 | 563.17N | 863.23E | 12.10 | 674.16 | 2141649.26 | 156880.19 |
| 4887.00 | 68.20 | 38.400 | 4547.72 | 585.15N | 881.38E | 10.81 | 698.38 | 2141667.41 | 156902.17 |
| 4918.00 | 70.80 | 36.800 | 4558.57 | 608.16N | 899.09E | 9.68 | 723.56 | 2141685.12 | 156925.18 |
| 4948.00 | 73.00 | 34.200 | 4567.89 | 631.37N | 915.64E | 11.03 | 748.79 | 2141701.67 | 156948.39 |
| 4979.00 | 73.60 | 30.800 | 4576.81 | 656.41N | 931.59E | 10.68 | 775.75 | 2141717.62 | 156973.43 |
| 5009.00 | 75.50 | 27.700 | 4584.80 | 681.64N | 945.71E | 11.80 | 802.64 | 2141731.75 | 156998.66 |
| 5040.00 | 77.50 | 25.300 | 4592.04 | 708.61N | 959.16E | 9.91 | 831.18 | 2141745.19 | 157025.64 |
| 5070.00 | 79.80 | 22.100 | 4597.94 | 735.54N | 970.98E | 12.97 | 859.46 | 2141757.01 | 157052.56 |
| 5100.00 | 81.00 | 19.200 | 4602.95 | 763.21N | 981.41E | 10.34 | 888.28 | 2141767.44 | 157080.24 |
| 5131.00 | 81.10 | 15.800 | 4607.77 | 792.42N | 990.61E | 10.84 | 918.46 | 2141776.65 | 157109.44 |
| 5161.00 | 81.50 | 15.800 | 4612.31 | 820.95N | 998.69E | 1.33 | 947.82 | 2141784.72 | 157137.98 |
| 5192.00 | 81.90 | 14.900 | 4616.78 | 850.53N | 1006.81E | 3.15 | 978.22 | 2141792.84 | 157167.56 |
| 5257.00 | 83.50 | 7.500 | 4625.05 | 913.73N | 1019.31E | 11.56 | 1042.53 | 2141805.35 | 157230.76 |

All data is in Feet unless otherwise stated
 Coordinates are from Slot MD's are from Slot and TVD's are from Slot (Turner 3406 3-7H 0.00ft above Mean Sea Level)
 Vertical Section is from 0.00N 0.00E on azimuth 7.730 degrees
 Bottom hole distance is 7396.03 Feet on azimuth 7.10 degrees from Wellhead
 Calculation method uses Minimum Curvature method
 Prepared by
 Date Printed: 14-Jan-2013



Standard Wellpath Report
 Sandridge
 Sec 7 - 34S - 6W, Kansas
 Harper County
 Wellbore: Turner 3406 3-7H (Actual)

Wellpath (Grid) Report

| MD[ft] | Inc[deg] | Azi[deg] | TVD[ft] | North[ft] | East[ft] | Dogleg [deg/100ft] | Vertical Section[ft] | Easting | Northing |
|----------|----------|----------|---------|-----------|----------|--------------------|----------------------|------------|-----------|
| 5282.00 | 83.60 | 5.300 | 4627.86 | 938.41N | 1022.08E | 8.75 | 1067.36 | 2141808.12 | 157255.45 |
| 5299.00 | 83.60 | 4.700 | 4629.76 | 955.24N | 1023.55E | 3.51 | 1084.24 | 2141809.59 | 157272.28 |
| 5390.00 | 86.20 | 4.400 | 4637.84 | 1045.59N | 1030.74E | 2.88 | 1174.73 | 2141816.78 | 157362.63 |
| 5485.00 | 87.90 | 3.800 | 4642.73 | 1140.22N | 1037.53E | 1.90 | 1269.41 | 2141823.56 | 157457.26 |
| 5577.00 | 90.80 | 2.100 | 4643.78 | 1232.08N | 1042.26E | 3.65 | 1361.07 | 2141828.30 | 157549.12 |
| 5638.00 | 92.60 | 0.600 | 4641.97 | 1293.03N | 1043.70E | 3.84 | 1421.66 | 2141829.73 | 157610.08 |
| 5669.00 | 92.70 | 0.500 | 4640.53 | 1323.99N | 1043.99E | 0.46 | 1452.39 | 2141830.03 | 157641.04 |
| 5730.00 | 93.00 | 0.200 | 4637.50 | 1384.92N | 1044.37E | 0.70 | 1512.81 | 2141830.40 | 157701.97 |
| 5761.00 | 93.10 | 0.100 | 4635.85 | 1415.87N | 1044.45E | 0.46 | 1543.49 | 2141830.48 | 157732.92 |
| 5791.00 | 93.50 | 358.900 | 4634.13 | 1445.82N | 1044.19E | 4.21 | 1573.13 | 2141830.22 | 157762.87 |
| 5852.00 | 93.40 | 357.100 | 4630.45 | 1506.67N | 1042.06E | 2.95 | 1633.14 | 2141828.10 | 157823.73 |
| 5883.00 | 93.10 | 356.700 | 4628.70 | 1537.58N | 1040.39E | 1.61 | 1663.54 | 2141826.42 | 157854.63 |
| 5914.00 | 91.90 | 356.200 | 4627.34 | 1568.49N | 1038.47E | 4.19 | 1693.91 | 2141824.51 | 157885.54 |
| 5944.00 | 91.50 | 355.800 | 4626.45 | 1598.40N | 1036.38E | 1.89 | 1723.27 | 2141822.41 | 157915.46 |
| 5975.00 | 91.10 | 355.900 | 4625.75 | 1629.31N | 1034.13E | 1.33 | 1753.60 | 2141820.17 | 157946.37 |
| 6006.00 | 90.90 | 355.700 | 4625.21 | 1660.22N | 1031.86E | 0.91 | 1783.93 | 2141817.90 | 157977.28 |
| 6037.00 | 91.00 | 355.000 | 4624.70 | 1691.12N | 1029.35E | 2.28 | 1814.20 | 2141815.39 | 158008.18 |
| 6067.00 | 91.00 | 355.100 | 4624.17 | 1721.00N | 1026.76E | 0.33 | 1843.47 | 2141812.80 | 158038.06 |
| 6129.00 | 91.00 | 354.800 | 4623.09 | 1782.75N | 1021.31E | 0.48 | 1903.92 | 2141807.34 | 158099.81 |
| 6159.00 | 91.90 | 354.000 | 4622.33 | 1812.60N | 1018.38E | 4.01 | 1933.10 | 2141804.42 | 158129.66 |
| 6221.00 | 91.30 | 354.600 | 4620.60 | 1874.27N | 1012.22E | 1.37 | 1993.38 | 2141798.26 | 158191.33 |
| 6251.00 | 90.40 | 354.900 | 4620.16 | 1904.14N | 1009.48E | 3.16 | 2022.61 | 2141795.52 | 158221.21 |
| 6313.00 | 89.90 | 356.100 | 4619.99 | 1965.94N | 1004.62E | 2.10 | 2083.21 | 2141790.65 | 158283.02 |
| 6405.00 | 91.00 | 355.900 | 4619.27 | 2057.72N | 998.20E | 1.22 | 2173.28 | 2141784.23 | 158374.79 |
| 6467.00 | 90.40 | 357.400 | 4618.51 | 2119.60N | 994.58E | 2.61 | 2234.12 | 2141780.61 | 158436.68 |
| 6498.00 | 89.90 | 357.200 | 4618.43 | 2150.57N | 993.12E | 1.74 | 2264.60 | 2141779.15 | 158467.65 |
| 6559.00 | 89.50 | 358.200 | 4618.75 | 2211.52N | 990.67E | 1.77 | 2324.67 | 2141776.70 | 158528.60 |
| 6589.00 | 89.00 | 358.000 | 4619.14 | 2241.50N | 989.67E | 1.80 | 2354.25 | 2141775.71 | 158558.58 |
| 6681.00 | 89.10 | 359.600 | 4620.67 | 2333.46N | 987.75E | 1.74 | 2445.11 | 2141773.78 | 158650.55 |
| 6712.00 | 89.20 | 0.300 | 4621.13 | 2364.46N | 987.72E | 2.28 | 2475.83 | 2141773.76 | 158681.54 |
| 6774.00 | 88.90 | 360.000 | 4622.16 | 2426.45N | 987.88E | 0.68 | 2537.28 | 2141773.92 | 158743.54 |
| 6865.00 | 89.10 | 0.700 | 4623.75 | 2517.43N | 988.44E | 0.80 | 2627.51 | 2141774.47 | 158834.52 |
| 6957.00 | 90.40 | 358.000 | 4624.15 | 2609.42N | 987.39E | 3.26 | 2718.51 | 2141773.43 | 158926.51 |
| 7049.00 | 90.20 | 358.100 | 4623.66 | 2701.36N | 984.26E | 0.24 | 2809.20 | 2141770.30 | 159018.46 |
| 7141.00 | 90.60 | 358.700 | 4623.02 | 2793.32N | 981.70E | 0.78 | 2899.98 | 2141767.73 | 159110.42 |
| 7232.00 | 90.10 | 358.100 | 4622.47 | 2884.29N | 979.15E | 0.86 | 2989.78 | 2141765.19 | 159201.39 |
| 7324.00 | 90.60 | 357.800 | 4621.90 | 2976.22N | 975.86E | 0.63 | 3080.44 | 2141761.90 | 159293.33 |
| 7419.00 | 90.00 | 356.900 | 4621.41 | 3071.12N | 971.47E | 1.14 | 3173.88 | 2141757.51 | 159388.23 |
| 7514.00 | 89.90 | 357.100 | 4621.49 | 3165.99N | 966.50E | 0.24 | 3267.22 | 2141752.53 | 159483.10 |
| 7609.00 | 89.90 | 356.700 | 4621.66 | 3260.85N | 961.36E | 0.42 | 3360.53 | 2141747.40 | 159577.97 |
| 7704.00 | 92.20 | 359.100 | 4619.91 | 3355.76N | 957.88E | 3.50 | 3454.10 | 2141743.92 | 159672.88 |
| 7799.00 | 92.50 | 358.900 | 4616.02 | 3450.66N | 956.22E | 0.38 | 3547.92 | 2141742.26 | 159767.79 |
| 7894.00 | 91.20 | 1.600 | 4612.95 | 3545.60N | 956.64E | 3.15 | 3642.06 | 2141742.67 | 159862.73 |
| 7989.00 | 90.80 | 2.700 | 4611.29 | 3640.52N | 960.20E | 1.23 | 3736.59 | 2141746.24 | 159957.65 |
| 8021.00 | 90.40 | 2.900 | 4610.96 | 3672.48N | 961.77E | 1.40 | 3768.47 | 2141747.80 | 159989.61 |
| 8084.00 | 90.40 | 2.600 | 4610.52 | 3735.40N | 964.79E | 0.48 | 3831.23 | 2141750.82 | 160052.54 |
| 8179.00 | 90.70 | 2.100 | 4609.61 | 3830.32N | 968.68E | 0.61 | 3925.81 | 2141754.72 | 160147.46 |
| 8274.00 | 92.10 | 3.000 | 4607.29 | 3925.19N | 972.91E | 1.75 | 4020.39 | 2141758.94 | 160242.34 |
| 8369.00 | 90.00 | 2.500 | 4605.55 | 4020.06N | 977.47E | 2.27 | 4115.01 | 2141763.50 | 160337.21 |
| 8464.00 | 89.70 | 1.100 | 4605.79 | 4115.01N | 980.45E | 1.51 | 4209.50 | 2141766.48 | 160432.16 |
| 8559.00 | 89.50 | 0.100 | 4606.46 | 4210.00N | 981.44E | 1.07 | 4303.76 | 2141767.48 | 160527.16 |
| 8654.00 | 89.20 | 359.700 | 4607.54 | 4305.00N | 981.28E | 0.53 | 4397.86 | 2141767.31 | 160622.15 |
| 8749.00 | 89.40 | 359.900 | 4608.70 | 4399.99N | 980.95E | 0.30 | 4491.95 | 2141766.98 | 160717.15 |
| 8844.00 | 89.30 | 359.400 | 4609.77 | 4494.98N | 980.37E | 0.54 | 4586.00 | 2141766.40 | 160812.14 |
| 8939.00 | 90.20 | 359.000 | 4610.19 | 4589.97N | 979.04E | 1.04 | 4679.95 | 2141765.08 | 160907.14 |
| 9034.00 | 91.40 | 359.700 | 4608.86 | 4684.95N | 977.96E | 1.46 | 4773.92 | 2141764.00 | 161002.12 |
| 9128.00 | 91.80 | 0.500 | 4606.24 | 4778.92N | 978.13E | 0.95 | 4867.05 | 2141764.16 | 161096.09 |
| 9224.00 | 91.50 | 359.000 | 4603.47 | 4874.87N | 977.71E | 1.59 | 4962.08 | 2141763.74 | 161192.05 |
| 9256.00 | 91.30 | 358.900 | 4602.69 | 4906.86N | 977.12E | 0.70 | 4993.70 | 2141763.16 | 161224.03 |
| 9319.00 | 91.20 | 358.700 | 4601.32 | 4969.83N | 975.80E | 0.35 | 5055.92 | 2141761.84 | 161287.01 |
| 9351.00 | 91.00 | 358.800 | 4600.70 | 5001.81N | 975.10E | 0.70 | 5087.52 | 2141761.14 | 161319.00 |
| 9414.00 | 91.10 | 358.400 | 4599.55 | 5064.78N | 973.57E | 0.65 | 5149.71 | 2141759.60 | 161381.97 |
| 9509.00 | 91.10 | 358.000 | 4597.72 | 5159.72N | 970.58E | 0.42 | 5243.38 | 2141756.62 | 161476.91 |
| 9604.00 | 91.70 | 357.600 | 4595.40 | 5254.62N | 966.94E | 0.76 | 5336.93 | 2141752.97 | 161571.81 |
| 9699.00 | 90.30 | 358.400 | 4593.74 | 5349.55N | 963.62E | 1.70 | 5430.55 | 2141749.66 | 161666.74 |
| 9794.00 | 88.80 | 359.200 | 4594.49 | 5444.52N | 961.63E | 1.79 | 5524.39 | 2141747.67 | 161761.72 |
| 9889.00 | 89.10 | 359.800 | 4596.23 | 5539.50N | 960.80E | 0.71 | 5618.39 | 2141746.84 | 161856.70 |
| 9984.00 | 89.50 | 359.400 | 4597.39 | 5634.49N | 960.14E | 0.60 | 5712.43 | 2141746.17 | 161951.69 |
| 10079.00 | 89.70 | 359.600 | 4598.06 | 5729.48N | 959.31E | 0.30 | 5806.45 | 2141745.35 | 162046.69 |
| 10174.00 | 89.60 | 359.200 | 4598.64 | 5824.48N | 958.32E | 0.43 | 5900.45 | 2141744.35 | 162141.69 |
| 10269.00 | 90.10 | 359.100 | 4598.88 | 5919.46N | 956.91E | 0.54 | 5994.38 | 2141742.94 | 162236.68 |

All data is in Feet unless otherwise stated
 Coordinates are from Slot MD's are from Slot and TVD's are from Slot (Turner 3406 3-7H 0.00ft above Mean Sea Level)
 Vertical Section is from 0.00N 0.00E on azimuth 7.730 degrees
 Bottom hole distance is 7396.03 Feet on azimuth 7.10 degrees from Wellhead
 Calculation method uses Minimum Curvature method
 Prepared by
 Date Printed: 14-Jan-2013



Standard Wellpath Report
 Sandridge
 Sec 7 - 34S - 6W, Kansas
 Harper County
 Wellbore: Turner 3406 3-7H (Actual)

Wellpath (Grid) Report

| MD[ft] | Inc[deg] | Azi[deg] | TVD[ft] | North[ft] | East[ft] | Dogleg [deg/100ft] | Vertical Section[ft] | Easting | Northing |
|----------|----------|----------|---------|-----------|----------|-----------------------|-----------------------------|------------|-----------|
| 10364.00 | 90.80 | 358.800 | 4598.14 | 6014.44N | 955.17E | 0.80 | 6088.27 | 2141741.20 | 162331.66 |
| 10459.00 | 91.10 | 358.500 | 4596.56 | 6109.41N | 952.93E | 0.45 | 6182.06 | 2141738.96 | 162426.63 |
| 10554.00 | 90.90 | 359.000 | 4594.91 | 6204.37N | 950.86E | 0.57 | 6275.88 | 2141736.89 | 162521.59 |
| 10585.00 | 91.20 | 359.200 | 4594.34 | 6235.36N | 950.37E | 1.16 | 6306.53 | 2141736.40 | 162552.58 |
| 10649.00 | 91.60 | 358.900 | 4592.77 | 6299.33N | 949.31E | 0.78 | 6369.77 | 2141735.34 | 162616.56 |
| 10743.00 | 90.30 | 359.000 | 4591.22 | 6393.30N | 947.59E | 1.39 | 6462.66 | 2141733.62 | 162710.53 |
| 10838.00 | 89.90 | 359.500 | 4591.05 | 6488.29N | 946.34E | 0.67 | 6556.62 | 2141732.38 | 162805.53 |
| 10933.00 | 89.90 | 359.200 | 4591.22 | 6583.28N | 945.27E | 0.32 | 6650.60 | 2141731.30 | 162900.52 |
| 11028.00 | 90.20 | 358.500 | 4591.13 | 6678.26N | 943.36E | 0.80 | 6744.47 | 2141729.39 | 162995.51 |
| 11123.00 | 90.60 | 358.200 | 4590.47 | 6773.22N | 940.62E | 0.53 | 6838.19 | 2141726.66 | 163090.47 |
| 11218.00 | 91.50 | 358.200 | 4588.73 | 6868.16N | 937.64E | 0.95 | 6931.86 | 2141723.67 | 163185.41 |
| 11313.00 | 91.40 | 358.100 | 4586.32 | 6963.08N | 934.57E | 0.15 | 7025.51 | 2141720.61 | 163280.33 |
| 11408.00 | 92.00 | 357.600 | 4583.51 | 7057.97N | 931.01E | 0.82 | 7119.06 | 2141717.05 | 163375.22 |
| 11503.00 | 92.10 | 356.800 | 4580.11 | 7152.79N | 926.37E | 0.85 | 7212.40 | 2141712.41 | 163470.05 |
| 11598.00 | 92.30 | 356.300 | 4576.46 | 7247.55N | 920.66E | 0.57 | 7305.53 | 2141706.69 | 163564.81 |
| 11641.00 | 92.20 | 356.100 | 4574.77 | 7290.42N | 917.81E | 0.52 | 7347.63 | 2141703.85 | 163607.69 |
| 11690.00 | 92.20 | 356.100 | 4572.89 | 7339.28N | 914.48E | ==> | 7395.59 | 2141700.52 | 163656.54 |

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Standard Wellpath Report
Sandridge
Sec 7 - 34S - 6W, Kansas
Harper County
Wellbore: Turner 3406 3-7H (Actual)

Comments

| MD[ft] | TVD[ft] | North[ft] | East[ft] | Comment |
|----------|---------|-----------|----------|------------------------|
| 11690.00 | 4572.89 | 7339.28N | 914.48E | Projection to bit @ TD |

All data is in Feet unless otherwise stated
Coordinates are from Slot MD's are from Slot and TVD's are from Slot (Turner 3406 3-7H 0.00ft above Mean Sea Level)
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* 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%

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

Remarks

Tiffany Golay
03/12/013 08:50 am

Conductor Weight= 94 lbs/ft Liner Depth= 11,690'

Tiffany Golay
01/15/013 08:22 am

TMD= 11,690