



KANSAS CORPORATION COMMISSION 1061863  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
June 2009  
Form Must Be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 33711  
Name: B-C Steel, LLC  
Address 1: 209 N FRY ST  
Address 2: \_\_\_\_\_  
City: YATES CENTER State: KS Zip: 66783 + 1280  
Contact Person: Bert Carlson  
Phone: ( 620 ) 625-2999  
CONTRACTOR: License # 5495  
Name: McPherson, Bill and/or Penny M. dba McPherson Drilling Co.  
Wellsite Geologist: Mark Brecheisen  
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  
 Conv. to GSW  
 Plug Back: \_\_\_\_\_ Plug Back Total Depth  
 Commingled    Permit #: \_\_\_\_\_  
 Dual Completion    Permit #: \_\_\_\_\_  
 SWD    Permit #: \_\_\_\_\_  
 ENHR    Permit #: \_\_\_\_\_  
 GSW    Permit #: \_\_\_\_\_  
02/16/2011    03/6/2011    03/28/2011  
Spud Date or    Date Reached TD    Completion Date or  
Recompletion Date       Recompletion Date

API No. 15 - 15-035-24389-00-00  
Spot Description: \_\_\_\_\_  
W2\_NW\_SE\_NW Sec. 30 Twp. 31 S. R. 8  East  West  
1650 Feet from  North /  South Line of Section  
1485 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
County: Cowley  
Lease Name: FISHER FAMILY TRUST Well #: 30-1  
Field Name: \_\_\_\_\_  
Producing Formation: layton B  
Elevation: Ground: 1375 Kelly Bushing: 1380  
Total Depth: 455 Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at: 455 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: 0 ppm Fluid volume: 0 bbls  
Dewatering method used: Evaporated  
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

Letter of Confidentiality Received  
Date: \_\_\_\_\_

Confidential Release Date: \_\_\_\_\_

Wireline Log Received

Geologist Report Received

UIC Distribution

ALT  I  II  III Approved by: Deanna Garrison Date: 10/17/2011



1061863

Operator Name: B-C Steel, LLC Lease Name: FISHER FAMILY TRUST Well #: 30-1  
 Sec. 30 Twp. 31 S. R. 8  East  West County: Cowley

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:  cement bond	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>tayton B</td> <td>1970</td> <td>2000</td> </tr> </table>	Name	Top	Datum	tayton B	1970	2000
Name	Top	Datum					
tayton B	1970	2000					

CASING RECORD <input checked="" 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
casing	9.5000	8.625	36	455	pos mix	135	60/40

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing	-			
___ Plug Back TD				
___ Plug Off Zone	-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	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
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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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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# Invoice

## McPherson Drilling Co.

15256 112th Road  
Winfield, Kansas 67156

Phone/Fax: 620-221-3560

**Customer:**

BC Management Services Corp.  
1432 Nighthawk Rd  
Yates Center, KS 66783

**Date:**

2/17/2011

**Invoice No.:**

20110218

**Terms:**

Due on receipt

DESCRIPTION	QTY	RATE	AMOUNT
Lease name: Fisher 30-1	455	12.50	5,687.50
Drilled to 455'; 450' 8 5/8" casing			
Cementing: 135 sks pos mix 60/40		3,000.00	3,000.00
<i>Paid CK # 8649</i>			

**Total** \$8,687.50

**Payments/Credits** \$0.00

**Balance Due** \$8,687.50

*Thank you for your business!*

*Bill McPherson*

If mailing payment please send to:  
McPherson Drilling Co.  
PO Box 41  
Burden, KS 67019

# McPherson Drilling Co.

15256 112th Road  
Winfield, KS 67156  
620-221-3560

Bill McPherson  
620-229-0216

## Cement Record

Type: Plug Ticket No. 11283

Date: 3-29-11

Operator: BC Steel

Location: \_\_\_\_\_

Well name: 30-1 Fisher Family Trust

Cement with: 70 Sks

Notes: 3-25-11 Fluid level 350' down spotted  
10 sks Regular @ 500', 3-28-11 Ran Tubing To ~~480'~~ 480'  
spotted 20 sks 60-40 Poxmix, Filled hole with drilling mud  
Ran 60' Tubing & circulated cement - 30 SKs <sup>60-40</sup> Poxmix  
Plug Down AT 3:30 P.M.



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PO Box 41  
Burden, KS 67019

## Geological Report

Fisher Family Trust #30-1  
NE, NE, SW Quarter, Sec. 30; T31S; R8E  
1650' FNL; 1485' FWL  
Cowley County, KS  
API #15-035-24389-00-00

**Operator:** B-C Steel, LLC., C/O Bert Carlson, 209 North Fry, Yates Center, KS,  
66783.

**Drilling Contractor:** Hat Drilling. Midway Mud Rotary Rig #2.

**Wellsite Geologist:** Mark Brecheisen.

**Dates Drilled:** March 6<sup>th</sup>, 2011 to March 9<sup>th</sup>, 2011.

**Size Hole:** 8 1/4"

**Total Depth:** 2350'

**Elevation:** 1389'

**Drilling Fluid:** Freshwater bentonite and additives.

**Surface Casing:** 450' of 8-5/8" casing cemented with 135 sx of cement to surface.

**Formation Tops:** Formation tops were picked from the electric logs.

**Field Name:** Radcliff, Northeast.

**Status:** Dry Hole.

**Oil Shows:** Hertha Limestone @2182'-2188'.

**Gas Shows:** Layton "B" Sandstone @1970'-2000', Swope Limestone @2145'-2150',  
Hertha Limestone @2182'-2188', Cleveland Sandstone @2274'-2282'.

**Water Encountered:** No appreciable water encountered upon drilling.

**On Location:** March 6<sup>th</sup>, 2011, 6:45 pm. Well Depth 450'; left location @ TD, Well  
Depth of 2350' @ 12:20 pm, March 9<sup>th</sup>, 2011.

**Notes:** Well cuttings were examined at rig and discarded. Samples of "zones of  
interest" were saved and examined with a binocular microscope and black  
light.

Started drilling March 6<sup>th</sup>, 2011 @ 7:18 pm. Hit cement @380'- 70' of cement fill in surface casing. Reaming down to undrilled strata.

- 450'-1450': Samples were examined with a binocular microscope and black light for presence of hydrocarbons. The sum of all shows in this interval are as follows:
- 480'-490' Traces of oil stain on one limestone rock sample. Fast, even, fair, milky blue cut. Fair saturation. Limestone tight with no real inter-crystalline porosity observed. Traces of refined oil on few samples. Overall, trace of mottled to even medium, bright yellow hydrocarbon fluorescence. No petroliferous odor/show. No indication of gas.
  - 730'-740' Limestone. Very faint light brown oil stain on few samples. Poor saturation. Fast, even, poor, milky blue cut. No visible oil show to tray after cut. Overall, less than three percent mottled to even variegated, yellow hydrocarbon fluorescence. No petroliferous odor/show. No gas indication on hot wire.
  - 950'-960' Sandstone. Traces of dark brown oil stain on few sample surfaces. No saturation. Slow, uneven, poor, milky blue cut. Overall, Trace mottled, dull, yellow hydrocarbon fluorescence. No petroliferous odor/show. No indication of gas.

These three intervals were the only hydrocarbon shows, within this thousand foot interval.

- 1450'-1475': Shale, medium to medium dark gray, fairly hard, micaceous in part. Silty to sandy with some sandstone laminae present—light to medium gray, very fine grained, well-sorted, with sub-angular to sub-rounded grains. Fairly friable, argillaceous, no fluorescence, no petroliferous odor/show.
- 1475'-1498': Shale, medium to medium dark gray, silty, fairly hard, micaceous. Traces of sandstone present. No fluorescence.
- 1498'-1515': Sandstone, light to medium gray, very fine grained, well sorted, with sub-angular to sub-rounded grains. Hard, argillaceous, laminated in part. No fluorescence, no petroliferous odor/show.

**Top of Iatan Limestone @1515'(-126'), top of the Pedee Group**

- 1515'-1520': Limestone, pale yellowish brown to olive gray. Fine to medium crystalline, mottled, sucrosic in part. Fair to good friability. Poor to fair inter-crystalline porosity. Trace, very dull, brownish yellow mineral fluorescence. No petroliferous odor/show.
- 1520'-1577': Shale, medium gray with traces of red shale present. Silty to sandy. Calcareous in part. Pyritic in part. Few scattered sandstone laminac present. No fluorescence. No petroliferous odor/show.
- 1577'-1619': Stalnaker Sandstone, light to medium gray. Fine to coarse grained. Fair sorting with sub-rounded to well-rounded grains. Fairly hard, micaceous and glauconitic in part. Argillaceous in part. Broken samples appear wet. Traces of dark brown oil stain on few sample surfaces, no cut. Overall, No fluorescence. No petroliferous odor/show. No gas indication on hot wire.

1619'-1690': Shale, medium to medium dark gray, micaceous, silty to sandy with few scattered sand laminae present. Fine grained, friable, argillaceous in part. Traces of thinly inter-bedded limestone scattered throughout. Overall, no fluorescence. No petroliferous odor/show.

**Top of Lansing Group @1690'(-301')**

1690'-1698': Limestone, pale yellowish brown to olive gray, mottled, fine to medium crystalline. Fairly dense, hard, poor friability, fossiliferous. No visible staining. Fifteen percent even, very dull, yellow mineral fluorescence. No petroliferous odor/show.

1698'-1709': Shale, medium-dark to dark gray, with traces of black shale present. Silty in part. Calcareous in part. Carbonaceous in part. Traces of sandstone present—light gray, fine grained, no stain, no fluorescence, no petroliferous odor/show.

1709'-1719': Limestone, pale yellowish brown to light olive gray. Fine to medium crystalline. Fairly hard, slightly sucrosic, fossiliferous. No visible staining. Poor inter-crystalline porosity. 30% even, dull, brownish yellow mineral fluorescence. No petroliferous odor/show.

1719'-1788': Shale, medium-dark to dark gray, fairly soft, gritty micritic in part. Calcareous in part. Traces of inter-bedded limestone scattered throughout section—pale yellowish brown to olive gray, fine to medium crystalline, fossiliferous, hard sucrosic in part. Overall, trace of even, dull, brownish yellow mineral fluorescence. No staining on any samples. No petroliferous odor or show.

1788'-1832': Shale, medium dark gray, soft, greasy, silty in part. Traces of red shale present. Traces of limestone present—tan to light olive gray, mottled, fine crystalline, hard dense, no visible staining present, no fluorescence, no petroliferous odor/show.

1832'-1853': Limestone, olive gray, mottled, fine to coarse crystalline, very gritty appearance, hard, very fossiliferous, tight, few traces of visible inter-crystalline porosity. Shale present—dark gray, soft, greasy. Overall, no fluorescence, no petroliferous odor/show.

1853'-1920': Shale, medium to medium-dark gray with traces of red shale present, silty to sandy in part. Few traces of limestone scattered throughout. No fluorescence. No petroliferous odor/show.

1920'-1926': Limestone, olive gray, mottled, fine to coarse crystalline, hard, dense, no visible inter-crystalline porosity, no stain, no fluorescence.

1926'-1934': Shale, medium-dark gray, soft, greasy, no fluorescence. No petroliferous odor/show.

**Top of Iola Limestone @1934'(-545')**

1934'-1937': Limestone, pale yellowish brown to olive gray, fine to coarse crystalline, very hard, dense, slightly sucrosic, very gritty texture, fossiliferous. No visible oil stain



present. No visible inter-crystalline porosity present. No fluorescence, no petroliferous odor/show.

- 1937'-1948': Shale, medium dark gray, silty to sandy, calcareous in part.
- 1948'-1970': Layton "A" Sandstone, very light to medium gray, fine grained, fairly hard to hard, well sorted with sub-rounded to well-rounded grains, micaceous in part. Poor to fair inter-granular porosity, glauconitic. Pyritic in part. Laminated in part. Traces of limestone present. No fluorescence. No petroliferous odor/show. No indication of gas on hot wire.
- 1970'-2000': Layton "B" Sandstone, very light to medium gray, very fine grained, well sorted with sub-rounded to well-rounded grains. Upper part fairly hard and micaceous with bottom cleaner section possessing good to excellent friability. Good inter-granular porosity, micaceous and argillaceous in part. Traces of black bitumen on some samples. Traces of dead oil on many samples. Saturation very poor with no cut. Trace of medium dark gray shale scattered throughout. Overall, trace mottled to even, medium bright yellow mineral fluorescence. No petroliferous odor/show. A 3.5 unit gas kick was observed on the hot wire when drilling this interval.
- 2000'-2013': Shale, medium-dark gray, soft, greasy.

**Top of Kansas City Limestone @2013'(-624')**

- 2013'-2038': Limestone, dark yellowish brown to olive gray, fine crystalline, mottled, fossiliferous, poor to fair friability. No visible staining. Traces of shale and sandstone present towards base of interval. Overall, 10% mottled to even variegated yellow mineral fluorescence. No petroliferous odor/show.
- 2038'-2082': Shale, medium-dark gray, silty to sandy with thinly inter-bedded limestone scattered throughout. Scattered sandstone laminae present. 20% even, variegated, yellow mineral fluorescence. No petroliferous odor/show.
- 2082'-2130': Limestone, dark yellowish brown to olive gray, fine crystalline, mottled, soft to hard with poor to good inter-crystalline porosity, sucrosic in part, fossiliferous. Some select samples had traces of light brown oil stain ranging from pinpoint to mottled. Saturation very poor. Fairly fast, uneven, poor milky blue cut. Cut was achieved with wet acetone test. Few sandstone and shale partings present. Overall, five percent pinpoint to even, variegated, hydrocarbon and mineral fluorescence. No petroliferous odor, very poor show.
- 2130'-2142': Shale, medium-dark gray to black, slightly carbonaceous, calcareous in part, slightly sandy in part, no fluorescence.
- 2142'-2168': Limestone, dark yellowish brown to olive gray, fine crystalline, hard, dense, inter-bedded shale present. 2145' to 2150' interval had few samples of sandstone with some dark brown surface stain present, no saturation; very slow, uneven, milky blue cut. Overall, less than three percent mottled to even, variegated yellow mineral and hydrocarbon fluorescence. No petroliferous odor/show. This interval had a 22 unit gas kick when drilled through.

2168'-2176': Shale, dark gray to black, carbonaceous. Traces of thinly banded vitrain coal present. No fluorescence.

**Top of the Hertha Limestone @2176'(-787')**

2176'-2241': Limestone, pale yellowish brown, fine crystalline, fair to good friability; pinpoint to vugular porosity on few sample surfaces. A drilling break was encountered at 2182' to 2188' a description of the samples are as follows: samples with pinpoint and vugular porosity have light brown oil stain on surfaces, saturation fair, just not many individual rock samples have this pinpoint and vugular porosity with oil; underclay present and carrying petroliferous odor, also exhibited a good fluorescence. A 45 unit gas kick was observed after drilling this interval. Below the drilling break there were a few sporadic shows of mottled, dead oil stain on a few scattered samples. These would not cut unless a wet acetone test was performed—these samples exhibited no fluorescence. At the base of the Hertha a 79 unit gas kick was observed. This may have been a cumulative effect from the bottom two thirds of the Hertha, as it cannot be pinned down to any one interval. Overall, 20% even, bright yellow mineral and hydrocarbon fluorescence. Fair petroliferous odor and poor show.

2241'-2260': Shale, dark gray to black with traces of red shale present, very soft, greasy, carbonaceous in part. Traces of vitrain coal present. Calcareous in part. Sandy in part. No fluorescence. No petroliferous odor/show.

**Top of Lenepah Limestone @2260'(-771')**

2260'-2264': Limestone, dark yellowish brown, mottled, fine to medium crystalline, hard, dense, sucrosic, poor inter-crystalline porosity, 20% even, very dull brownish yellow mineral fluorescence. No petroliferous odor/show.

2264'-2268': Shale, medium-dark gray, soft, greasy.

2268'-2314': Cleveland Sandstone, very light to light gray, fair to very friable, clean to argillaceous, glauconitic, well-sorted with sub-angular to well-rounded grains. Few samples in the interval had dark brown oil stain on flat bedding plane surfaces. No saturation in rock samples. Trace of slow, uneven, poor milky blue cut. No residual show to tray after cut. Inter-bedded shale scattered throughout interval. A drilling break was encountered 2274' to 2282'. A 30 unit gas kick was observed after drilling this interval. This kick lessened and came back to its original kick several times all the way to TD.

2314'-2331': Shale, dark gray with traces of red shale present, soft, greasy, micritic in part, calcareous in part. No fluorescence.

**Top of Altamont Limestone @2331'(-942')**

2331'-2350': Limestone, pale yellowish-brown, fine crystalline, mottled, fairly hard, no visible inter-crystalline porosity, slightly sucrosic. Trace even, medium-brown mineral fluorescence. No petroliferous odor/show.

TD 2350' @ 12:20 pm, March 9<sup>th</sup>, 2011.

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(Mark D. Brecheisen)