

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

**ORIGINAL**

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 # 34439  
Name: BOP West, LLC  
Address 1: P.O. Box 129  
Address 2: \_\_\_\_\_  
City: Wooster State: OH Zip: 44691 + \_\_\_\_\_  
Contact Person: Steve Sigler  
Phone: (330) 264-8847  
CONTRACTOR: License # 32701  
Name: C & G Drilling, Inc.  
Wellsite Geologist: Frank Mize  
Purchaser: Coffeyville Resources

**RECEIVED**  
**FEB 22 2011**  
**KCC WICHITA**

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

<u>12/16/2010</u>	<u>12/20/2010</u>	<u>1/17/2011</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 169-20323-00-00

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

E/2 E/2 NE Sec. 7 Twp. 16 S. R. 1  East  West  
1,320 Feet from  North /  South Line of Section  
330 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE     NW     SE     SW

County: Saline

Lease Name: Harbin Well #: 1

Field Name: Hunter North

Producing Formation: Mississippi

Elevation: Ground: 1291 Kelly Bushing: 1300

Total Depth: 2740 Plug Back Total Depth: 2703

Amount of Surface Pipe Set and Cemented at: 218 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: 1500 ppm Fluid volume: 400 bbls

Dewatering method used: Haul free water. Remainder air dry.

Location of fluid disposal if hauled offsite:

Operator Name: Scott's Production, LLC

Lease Name: Hess License #: 34379

Quarter \_\_\_\_\_ Sec. 31 Twp. 15 S. R. 16S  East  West

County: Saline Permit #: E-23931

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

**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.

Signature: [Signature]

Title: President Date: 2-16-11

**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: Dlg Date: 2/28/11

Operator Name: BOP West, LLC Lease Name: Harbin Well #: 1  
 Sec. 7 Twp. 16 S. R. 1  East  West County: Saline

**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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run: <b>Compensated Neutron-Density, Dual Induction, Sonic, Bond Log</b>	<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>Heebner Shale</td> <td>1814</td> <td>-507</td> </tr> <tr> <td>Lansing</td> <td>2027</td> <td>-716</td> </tr> <tr> <td>BKC</td> <td>2357</td> <td>-1053</td> </tr> <tr> <td>Marmaton</td> <td>2370</td> <td>-1067</td> </tr> <tr> <td>Cherokee</td> <td>2539</td> <td>-1238</td> </tr> <tr> <td>Mississippian</td> <td>2644</td> <td>-1357</td> </tr> <tr> <td>RTD</td> <td>2741</td> <td>-1494</td> </tr> </table>	Name	Top	Datum	Heebner Shale	1814	-507	Lansing	2027	-716	BKC	2357	-1053	Marmaton	2370	-1067	Cherokee	2539	-1238	Mississippian	2644	-1357	RTD	2741	-1494
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RTD	2741	-1494																							

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
Surface	12.25	8.625	24	218	Class A	140	2% Gel 3% CaCl
Production	7.875	5.5	14	2719	Class A	100	Thickset + 5# gilsonite

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				

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
4	2662'-2666'	350 gallons 15% MCA	2662'-2666'

TUBING RECORD: Size: <u>2.375'</u> Set At: <u>2700</u> Packer At: <u>None</u> Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR: <u>2/5/2011</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____
Estimated Production Per 24 Hours	Oil Bbbs. <u>16</u> Gas Mcf <u>0</u> Water Bbbs. <u>100</u> Gas-Oil Ratio <u>NA</u> Gravity _____

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input checked="" type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>2662'-2666'</u>
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**CONSOLIDATED**  
OIL SERVICES, LLC

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

TICKET NUMBER 30066

LOCATION Eureka

FOREMAN Steve Mead

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
12-16-10		Harbin #1	7	16S	16E	Saline
CUSTOMER ROP West LLC			SAFTY MEETING			
MAILING ADDRESS PO Box 129			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY Wagon			485	Shannon		
STATE OH			543	Dave		
ZIP CODE 441691						

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 222 CASING SIZE & WEIGHT 8 3/8  
 CASING DEPTH 270 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 14.8" SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING \_\_\_\_\_  
 DISPLACEMENT 12 1/2 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: SAFTY Meeting. Rig up to 8 3/8 casing. Break Circulation Pump 10 bbls Fresh water ahead. Mix 140 sks Class A Cement w/ 3% Coc12 2% Gel & 1/4" Flo Cele. at 14.8" gal/sk. Displace with 12 1/2 bbls Fresh water. Shut well in. Had Good cement Returns to Surface 10 bbls top of pipe. Job complete Rig down.

*Thank You*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	725.00	725.00
5406	100	MILEAGE	3.65	365.00
11045	140 sks	Class A Cement	13.50	1890.00
1102	400 #	Coc12 3%	.75	300.00
1118B	250 #	Gel 2%	.20	50.00
1107	30 #	F10 Cele 1/4" per/sk	2.10	63.00
5407A	6.58 tons	Ton mileage Bulk Truck	1.20	789.60
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<b>WICHITA</b>				
			Sub Total	4182.60
			7.3% SALES TAX	168.11
			ESTIMATED TOTAL	4350.71

Ravin 3797

AUTHORIZATION *[Signature]*

TITLE Driller

DATE 12-16-10

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

Company	BOP West, LLC	Lease Name	Harbin	
Address	P.O. Box 129	Lease #	1	
CSZ	Wooster, OH 44691	Legal Desc	E/2-E/2-NE	Job Ticket 2134
Attn.	Frank Mize	Section	7	Range 1W
		Township	16S	
		County	Saline	State KS
		Drilling Cont	C&G Drilling, Inc. Rig #2	
Comments	Field: Hunter North			

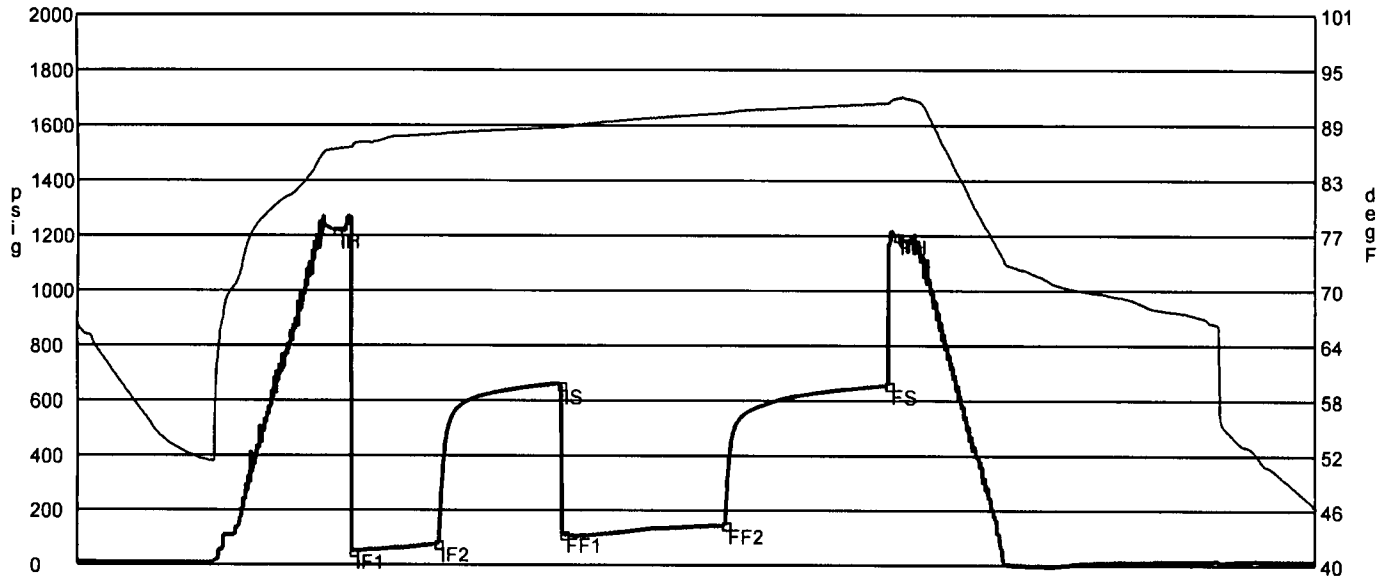
GENERAL INFORMATION

Test # 1	Test Date 12/20/2010	Chokes 3/4	Hole Size 7 7/8
Tester Tim Venters		Top Recorder # W1119	
Test Type Conventional Bottom Hole		Mid Recorder # W1022	
	Successful Test	Bott Recorder # 13310	
# of Packers 2.0	Packer Size 6 3/4	Mileage 240	Approved By
Mud Type Gel Chem		Standby Time 0	
Mud Weight 9.2	Viscosity 39.0	Extra Equipmnt Jars & Safety joint	
Filtrate 10.6	Chlorides 1100	Time on Site 4:25 PM	
		Tool Picked Up 5:50 PM	
		Tool Layed Dwn 12:40 AM	
Drill Collar Len 275.0		Elevation 1291.00	Kelley Bushings 1300.00
Wght Pipe Len 0			
Formation Mississippian		Start Date/Time 12/19/2010 5:12 PM	
Interval Top 2538.0	Bottom 2668.0	End Date/Time 12/20/2010 12:42 AM	
Anchor Len Below 130.0	Between 0		
Total Depth 2668.0			
Blow Type	Weak 1/4 inch blow at the start of the initial flow period, building to 10 inches. Very weak surface blow at the start of the final flow period, building, reaching the bottom of the bucket in 44 minutes. Weak surface blow back during the final shut-in period, lasting about 30-35 minutes. Times: 30, 45, 60, 60. Oil Gravity: 39.		

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
5	Clean oil	0% 0ft	100% 5ft	0% 0ft	0% 0ft
60	Oil & mud	0% 0ft	50% 30ft	0% 0ft	50% 30ft
120	Gassy, very heavy oil cut mud	3% 3.6ft	42% 50.4ft	0% 0ft	55% 66ft
125	Gassy, very heavy mud cut oil	10% 12.5ft	52% 65ft	0% 0ft	38% 47.5ft
DST Fluids	0				

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	Date	Time	Pressure	Temp	
IH	12/19/2010 6:45:20 PM	1.555556	1221.034	86.19	Initial Hydro-static
IF1	12/19/2010 6:51:00 PM	1.65	52.63	86.398	Initial Flow (1)
IF2	12/19/2010 7:22:00 PM	2.166667	79.876	87.81	Initial Flow (2)
IS	12/19/2010 8:06:50 PM	2.913889	656.665	88.622	Initial Shut-In
FF1	12/19/2010 8:07:40 PM	2.927778	115.452	88.577	Final Flow (1)
FF2	12/19/2010 9:06:40 PM	3.911111	147.26	90.218	Final Flow (2)
FS	12/19/2010 10:06:10 PM	4.902778	655.781	91.299	Final Shut-In
FH	12/19/2010 10:09:10 PM	4.952778	1199.777	91.802	Final Hydro-static

GAS FLOWS

Min Into IFP   Min Into FFP   Gas Flows   Pressure   Choke

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