

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: NA

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KANSAS CORPORATION COMMISSION
JUN 20 2011
CONSERVATION DIVISION
WICHITA, KS

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 #: _____
4/25/11 4/30/11 5/14/11
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 169-20325-00-00
Spot Description: 70' S of S/2 NE NE NE
NE NE NE Sec. 7 Twp. 16 S. R. 1 East West
565 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 #: 2
Field Name: Hunter North
Producing Formation: Mississippi
Elevation: Ground: 1285 Kelly Bushing: 1294
Total Depth: 2727 Plug Back Total Depth: 2708
Amount of Surface Pipe Set and Cemented at: 215 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: 1000 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: _____
Title: President Date: 6-16-11

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: 7/1/11

Operator Name: BOP West, LLC Lease Name: Harbin Well #: 2
 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 <i>(Attach Additional Sheets)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Heebner Shale	1804	-510
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Lansing	2019	-725
Electric Log Submitted Electronically <i>(If no, Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	BKC	2350	-1056
List All E. Logs Run:		Marmaton	2362	-1068
Compensated Neutron-Density, Dual Induction, Micro		Cherokee	2533	-1239
Log, Sonic Bond Log		Mississippian	2652	-1358
		RTD	2727	-1433

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	215	Class A	150	2% Gel 3% CaCl
Production	7.875	5.5	14	2723	Class A	125	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				

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 JUN 20 2011

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
Shots Per Foot	2666-2670		350 gallons 15% MCA		2666-2670	

TUBING RECORD:		Size: <u>None</u>	Set At: <u>NA</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>NA well is TA</u>		Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) <u>TA</u>			
Estimated Production Per 24 Hours	Oil Bbls. <u>NA</u>	Gas Mcf <u>0</u>	Water Bbls. <u>NA</u>	Gas-Oil Ratio <u>NA</u>	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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>2666-2670</u> <u>Well is TA</u>
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CONSOLIDATED
Oil Well Services, LLC

ENTERED

TICKET NUMBER 30488
LOCATION EUREKA
FOREMAN Kevin McCoy

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

FIELD TICKET & TREATMENT REPORT

CEMENT APE # 15-169-20325-00-00 Ks

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
5-1-11	1754	HARBIN #2	7	165	1W	SALINE
CUSTOMER <u>BOP west, LLC</u>			C & G DR19. Rig 2			
MAILING ADDRESS <u>P.O. Box 129</u>						
CITY <u>wooster</u>	STATE <u>OH</u>	ZIP CODE <u>44691</u>	TRUCK #	DRIVER	TRUCK #	DRIVER
			<u>520</u>	<u>John S.</u>		
			<u>515</u>	<u>Calin H</u>		
			<u>437</u>	<u>Jim M.</u>		

JOB TYPE Longstring 0 HOLE SIZE 7 7/8 HOLE DEPTH 2727' CASING SIZE & WEIGHT 5 1/2 14" New
CASING DEPTH 2723 DRILL PIPE _____ TUBING _____ OTHER P.B.T.O. 2713'
SLURRY WEIGHT 13.6* SLURRY VOL 39 BBL WATER gal/sk 9.0 CEMENT LEFT in CASING 10.13'
DISPLACEMENT 66 BBL DISPLACEMENT PSI 700 ~~MAX~~ PSI 1200 Bump Plug RATE _____

REMARKS: Safety Meeting: Rig up to 5 1/2 casing. Break Circulation. Pump 5 BBL water, 15 BBL Metasilicate Pre Flush, 5 BBL water spacer. Mixed 125 sks Thick Set Cement w/ 5" Kol-Seal /sk @ 13.6*/gal, yield 1.75. wash out Pump & Lines. Shut down. Release Latch down Plug. Displace w/ 66 BBL Fresh water. Final Pumping Pressure 700 PSI. Bump Plug to 1200 PSI. wait 2 minutes. Release Pressure. Float & Plug Held. Good Circulation @ ALL times while Cementing. Job Complete. Rig down.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	975.00	975.00
5406	100	MILEAGE	4.00	400.00
1126 A	125 sks	THICK Set Cement	18.50	2287.50
1110 A	625 "	Kol-Seal 5" /sk	.44 "	275.00
1111 A	100 "	Metasilicate Pre Flush	1.90 "	190.00
5407 A	6.88 Tons	100 miles Bulk Delv.	1.26	866.88
5502 C	5 Hrs	80 BBL VAC TRUCK	90.00	450.00
1123	3000 gals	City water	15.60/1000	46.80
4454	1	5 1/2 Latch down Plug	254.00	254.00
4159	1	5 1/2 AFE float shoe	344.00	344.00
4130	4	5 1/2 x 7 7/8 Centralizers	48.00	192.00
			Sub Total	6281.18
			SALES TAX	262.03
			ESTIMATED TOTAL	6543.21

Ravin 3737

AUTHORIZATION

Day Head

TITLE

Engineer

DATE

THANK YOU 7.3%
241150

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.



CONSOLIDATED
Oil Well Services, LLC

ENTERED

TICKET NUMBER 30459
LOCATION Eureka
FOREMAN Steve Mead

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

FIELD TICKET & TREATMENT REPORT

CEMENT APT # 15-169-20325

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
4-25-11	1154	Harbin #3	7	16S	14	Saline
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
.ROP West LLC Buckeye			485	Alan M.		
MAILING ADDRESS			515	Allen B.		
P.O. Box 129						
CITY	STATE	ZIP CODE				
Waoster	Oh.	44691				

JOB TYPE Surface O HOLE SIZE 12 1/4 HOLE DEPTH 217 CASING SIZE & WEIGHT 8 3/8
 CASING DEPTH 216' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 14* SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT In CASING 20'
 DISPLACEMENT 12.5 bbls DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety Meeting: Rig up to 8 3/8 casing. Break Circulation w/ 10
bbls Fresh water Mix 150 SKS Class A Cement 1/3% CaCl2, 2% Gel,
1/4" Flo Celc Puff sk At 14" gal/sk. Displace with 12.5 bbls Fresh water.
Shut well in. Good cement Returns to surface. 8 bbls Slurry To pit.
Job complete Rig down

Thank you

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	775.00	775.00
5406	100	MILEAGE	4.00	400.00
11045	150 SKS	Class A Cement	14.25	2137.50
1102	423 #	3% CaCl2	.70	296.10
1118B	282 #	2% Gel	.20	56.40
1107	37.5 #	1/4" Flo Celc Puff sk	2.22	83.25
5407A	7.05 Tons	Ton Mileage Bulk Truck	126	888.30
				SUBTOTAL 4636.55
				7.38 SALES TAX 187.96
				ESTIMATED TOTAL 4824.41

Rawln 3737

2409-41

AUTHORIZATION [Signature] TITLE _____ DATE _____

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**
 Address **P.O. Box 129**
 CSZ **Wooster, OH 44691**
 Attn. **Frank Mize**

Lease Name **Harbin**
 Lease # **2**
 Legal Desc **S/2 NE NE NE**
 Section **7**
 Township **16S**
 County **Saline**
 Drilling Cont **C & G Drilling #2**

Job Ticket **3427**
 Range **1W**
 State **KS**

Comments **Field: Hunter North**

GENERAL INFORMATION

Test # **2** Test Date **4/30/2011**
 Tester **Jimmy Ricketts**
 Test Type **Conventional Bottom Hole**
Successful Test
 # of Packers **2.0** Packer Size **6 3/4**
 Mud Type **Gel Chem**
 Mud Weight **9.3** Viscosity **49.0**
 Filtrate **9.8** Chlorides **1000**

Chokes **3/4** Hole Size **7 7/8**
 Top Recorder # **11027**
 Mid Recorder #
 Bott Recorder # **w1023**

Mileage **0** Approved By
 Standby Time **0**
 Extra Equipmnt **Jars & Safety Joint**
 Time on Site **12:00 AM**
 Tool Picked Up **2:30 AM**
 Tool Layed Dwn **8:30 AM**

Drill Collar Len **306.0**
 Wght Pipe Len **0**

Elevation **1285.00** Kelley Bushings **1294.00**

Formation **Mississippian**
 Interval Top **2658.0** Bottom **2672.0**
 Anchor Len Below **14.0** Between **0**
 Total Depth **2672.0**

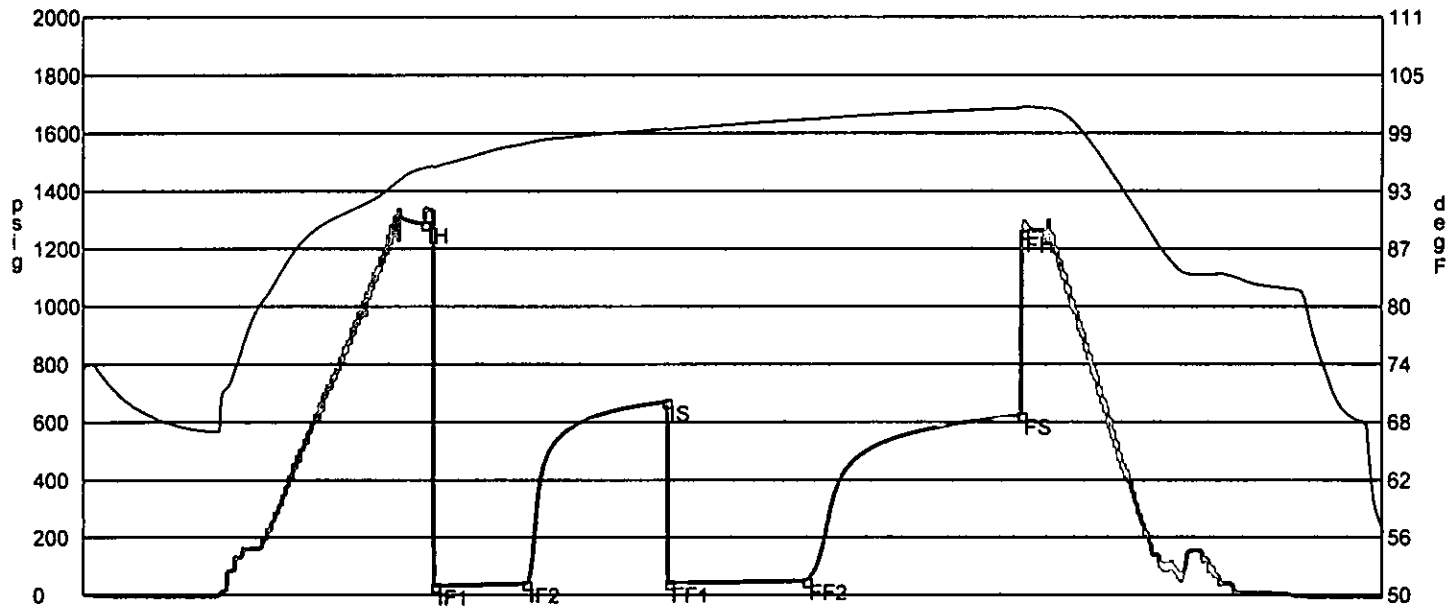
Start Date/Time **4/30/2011 2:05 AM**
 End Date/Time **4/30/2011 9:05 AM**

Blow Type **Weak blow building to 2 inches initial flow period. No blow final flow period.**
Times: 30, 45, 45, 70.

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
65	Oil cut mud	0% 0ft	4% 2.6ft	0% 0ft	96% 62.4ft

DST Fluids **0**



	Date	Time	Pressure	Temp	
IH	4/30/2011 3:54:40 AM	1.827778	1284.187	95.123	Initial Hydro-static
IF1	4/30/2011 3:58:00 AM	1.883333	29.705	95.231	Initial Flow (1)
IF2	4/30/2011 4:27:40 AM	2.377778	37.347	97.74	Initial Flow (2)
IS	4/30/2011 5:13:10 AM	3.136111	668.731	99.22	Initial Shut-In
FF1	4/30/2011 5:13:50 AM	3.147222	39.097	99.153	Final Flow (1)
FF2	4/30/2011 5:58:30 AM	3.891667	47.363	100.225	Final Flow (2)
FS	4/30/2011 7:08:10 AM	5.052778	621.716	101.45	Final Shut-In
FH	4/30/2011 7:08:40 AM	5.061111	1253.441	101.537	Final Hydro-static

GAS FLOWS

Min Into IFP Min Into FFP Gas Flows Pressure Choke