

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 #: 33864  
Name: HABIT PETROLEUM, LLC  
Address 1: 639 280TH AVE  
Address 2: PO BOX 243  
City: HAYS State: KS Zip: 67601  
Contact Person: IRVIN E HASELHORST  
Phone: ((785)) 623 1154  
CONTRACTOR: License #: 5184  
Name: SHIELDS OIL PRODUCERS INC  
Wellsite Geologist: DUANE STECKLEIN  
Purchaser: COFFEYVILLE RESOURCES

API No: 15- 065-23782-00-00  
Spot Description: SE NW SE NW  
SE NW SE NW Sec. 10 Twp. 10 S. R. 21 East West  
1,748 Feet from North South Line of Section  
1,691 Feet from East West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
NE NW SE SW  
County: GRAHAM  
Lease Name: BARTOS Well #: 12  
Field Name: COOPER  
Producing Formation: LKC-ARB  
Elevation: Ground: 2256 Kelly Bushing: 2261  
Total Depth: 3850 Plug Back Total Depth: 3820  
Amount of Surface Pipe Set and Cemented at: 221 Feet  
Multiple Stage Cementing Collar Used? Yes No  
If yes, show depth set: 1722 Feet  
If Alternate Ill completion, cement circulated from: 1722 feet depth to: SURFACE w/ 275' sk cmt.

Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  WSW  SWD  SOWW  
 Gas  D&A  ENHR  SIGW  
 OG  GSW  Temp. Abd.  
 CMi (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 #: \_\_\_\_\_

10-24-11	10-30-11	11-4-2011
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

Drilling Fluid Management Plan  
(Data must be collected from the Reserve Pit)  
Chloride content: 26000 ppm Fluid volume: 500 bbls  
Dewatering method used: EVAPORATION  
Location of fluid disposal if hauled offsite:  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_ East West  
County: \_\_\_\_\_ Permit #: \_\_\_\_\_

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 offsite 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-1111 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: *Irvin E. Haselhorst*  
Title: *Owner/Operator* Date: *3/15/2012*

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 Letter of Confidentiality Received  
Date: \_\_\_\_\_  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 OIC Distribution  
ALT     Approved by: *Dg* Date: *3/27/12*

Operator Name: **HABIT PETROLEUM, LLC** Lease Name: **BARTOS** Well #: **12**  
 Sec: **10** Twp: **10** S: **R. 21**  East  West County: **GRAHAM**

**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 Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken:  Yes  No  
 (Attach Additional Sheets)  
 Samples Sent to Geological Survey:  Yes  No  
 Cores Taken:  Yes  No  
 Electric Log Run:  Yes  No  
 Electric Log Submitted Electronically:  Yes  No  
 (If no, Submit Copy)

Log Formation (Top), Depth and Datum:  Sample  
 Name: **ARBUCKLE** Top: **3824** Datum: **-1563**

List All E. Logs Run:  
**RADIATION GUARD**

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
SURFACE	12 1/4	8 5/8 R-320#	20#	218	COMMON	150	3%CC2%GEL
LONG STRING	7 7/8	5 1/2	14#	3849	STDEA-2	175	EA-2
PORT COLLAR		5 1/2		1722	ALLIED LITE	275	1/4 #FLO

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top/Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
Perforate				
Protect Casing				
Plug Back TID				
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
4SPF	3706-3688 & 3637-41	1000 GALS 15% HCL INS	LKS
4SPF	3682-86 & 3637-41 & 3658-64	1500 GALS 15% HCL INS	LKS
4SPF	3499-3505	500 GALS 15% HCL INS	LKS
4SPF	3540-52	500 GALS 15% HCL INS	LKS
4SPF	3288-96	1000 GALS 15% HCL INS	LKS

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:
	2 7/8	3775		<input type="checkbox"/> Yes <input type="checkbox"/> No

Date of First Resumed Production, SWD or ENHR:	Producing Method:	Estimated Production Per 24 Hours:	Oil Bbls:	Gas Mcf:	Water Bbls:	Gas:Oil Ratio:	Gravity:
11/16/11	<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		6.5	0	58.5	10%	36

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:
<input checked="" type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACC-18)	<input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled (Submit ACC-5) (Submit ACC-4)	3288 TO 3706
	<input type="checkbox"/> Other (Specify):	

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 TOPEKA



**JOB LOG**

**SWIFT Services, Inc.**

DATE 10-30-11 PAGE NO. 1

CUSTOMER HABIT PETROLEUM WELL NO. 12 LEASE BARTOS JOB TYPE LONGSTRING TICKET NO. 2117

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1030							ON LOCATION CMT: 175 S.O.S STD EA-2 RCD-3750, SET PIPE 3226, SJ 29.60, INJECT 3797 5 1/2" P.C. ON TOP # 51, 1763 FT CMT 1, 3, 5, 7, 9, 50, 52 BASKET 51 FORMATION PACERSIDE. JOINS OUT * 2, 68
	1115							START GEL FROM EQV
	1122							BREAK CIRC 7/16
	1118							DROP BALL TO SET PER SHOE
	1315						ADD	SET PULSHOE, CIRC 7/16
	1345		7.5					PLUG RH 30, MH 15
	1350	60	12				ADD	500 GEL MUD FLUSH
		5	20					200 GEL MUD FLUSH
			31.5					130 S.O. STD EA-2 DROPPED PLUG, WASHOUT PL
	1400	65	0				200	START DESP
			80				400	
			85				500	
			90				600	
	1415	45	92.6				1500	LAND PLUG
	1420							RELEASE DEY
	1500							JOB COMPLETE THANK YOU! DAVE, JOSH, BRIAN

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## Formation Data

Elevation: (2256G.L.) – (2261' K.B.)  
All top formations measured from 2261 K.B.

<u>FORMATION</u>	<u>SAMPLE TOPS</u>	<u>SEA-LEVEL DATUM</u>
Anhydrite	1743	+ 518
Base Anhydrite	1785	+ 476
Topeka	3261	-1000
Heebner	3463	-1202
Toronto	3485	-1224
Lansing-K.C.	3504	-1243
Base-K.C.	3727	-1466
Arbuckle	3825	-1564
R. T. D.	3850	-1589

<u>FORMATION</u>	<u>LOG TOPS</u>	<u>SEA-LEVEL DATUM</u>
Anhydrite	1740	+ 521
Base Anhydrite	1782	+ 479
Topeka	3259	- 998
Heebner	3462	-1201
Toronto	3483	-1222
Lansing-K.C.	3501	-1240
Base-K.C.	3726	-1465
Arbuckle	3825	-1564
R. T. D.	3849	-1588

All samples were examined and described by me on actual location and did not start until a depth of 3250' was reached. All zones and sample tops examined are all true and accurate according to drillers' depth.

One foot drilling time was logged from a depth of 3250' to 3850', and all zones were examined by ten foot samples at a rotary depth of 3250' to 3500'. Five foot sample were examined from a rotary depth of 3505' to 3850'.

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## Sample Description

Following are the pertinent geological formations and all zones of subject well Bartos #12.

### THE FOLLOWING ZONES WERE NOTED:

TOPEKA	3261-3286	Limestone – Gray to buff, fine crystalline, poor to no inter porosity, no show of oil.
	3292-3296	Limestone – Cream, fine crystalline, sucrosic, fair inter porosity with a show of oil stain and free oil, slight odor.
DEER CREEK	3313-3323	Limestone – Cream, fine crystalline to chalky in part, fair to poor inter porosity, no show of oil.
	3327-3329	Limestone – Tan, fine crystalline, fair inter porosity with a show of saturated oil stain to free oil, odor when broken.
	3336-3350	Limestone – Cream to white, fine crystalline to chalky in part, poor inter porosity, no show of oil.
LECOMPTON	3370-3393	Limestone- Cream to buff, fine crystalline to chalky, poor inter porosity, no show of oil.
OREAD LIME	3414-3420	Limestone – Cream, fine crystalline, tight to poor inter porosity, no show of oil.
	3435-3460	Limestone – Cream to buff, fine crystalline to very dense lime, poor to no inter porosity, no show of oil.
TORONTO	3485-3496	Limestone – Cream to buff, very dense lime, no inter porosity, not show of oil.

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LANSING - K.C.

(A-Zone)	3504-3508	Limestone - Cream, fine crystalline, poor inter porosity, very small show of oil stain to free oil in pin point, no odor.
(B-Zone)	3516-3529	Limestone - White, very dense lime to chalky, no inter porosity, poorly developed, no show of oil.
(C-Zone)	3546-3551	Limestone - White, very dense lime to fine crystalline in part, poor to no inter porosity, very small show of oil stain, no odor.
(D-Zone)	3561-3568	Limestone - White, fine to medium crystalline, poor to fair inter porosity in part, small show of oil stain, no odor.
(E-Zone)	3580-3584	Limestone - White, fine to medium crystalline with vuggs, fair show of oil stain with a show of free oil in pin point, fair inter porosity, no odor.
(F-Zone)	3591-3598	Limestone - Same as above with a very slight odor when broken.
(G-Zone)	3600-3610	Limestone - Same as above.
(H-Zone)	3638-3650	Limestone - White, very dense lime, no inter porosity, poorly developed, no show of oil.
(I-Zone)	3662-3665	Limestone - White, dense lime, small show of fine crystalline with an oil stain, poorly developed, no odor.
(J-Zone)	3680-3687	Limestone - Same as above.
(K-Zone)	3700-3709	Limestone - Cream, fine to medium crystalline, fair inter porosity with a fair show of saturated oil stain, show of free oil.
SAND	3813-3819	Cherty Sand - Gray, very tight with a fair show of oil saturated stain, no odor.

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ARBUCKLE

3825-3827

Dolomite – Cream to grayish, fine crystalline, sucrosic, good show of saturated oil stain to free oil, fair inter porosity, fair odor.

## Remarks and Conclusion

During the drilling of the Bartos #12, because of the structural position of the Lansing K.C. and Arbuckle dolomite operator of Habit Petroleum decided to set production casing to further test the Bartos #12.

Respectfully submitted,

Duane Stecklein, Geologist

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