

**KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

Form ACO-1  
September 1999  
Form Must Be Typed

Operator: License # 32158  
 Name: H&B Petroleum Corporation  
 Address: P.O. Box 277  
 City/State/Zip: Ellinwood, Kansas 67526  
 Purchaser: Cooperative Refining, LLC  
 Operator Contact Person: Al Hammersmith  
 Phone: (316) 564-3002  
 Contractor: Name: Shields Drilling Company  
 License: 5184  
 Wellsite Geologist: Todd Morgenstern

Designate Type of Completion:

New Well  Re-Entry  Workover  
 Oil  SWD  SIOW  Temp. Abd  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, 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./SWD  
 Plug Back \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Cummigled \_\_\_\_\_ Docket No. **RELEASED**  
 Dual Completion \_\_\_\_\_ Docket No. **DEC 19 2001**  
 Other (SWD or Enhr.?) \_\_\_\_\_ Docket No. \_\_\_\_\_

8/10/00 8/19/00 **FROM 10/10/00 CONFIDENTIAL**  
 Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 185-231050000

County: Stafford

1,610  n/2  se  nw Sec. 30 Twp. 21 S. R. 11  East  West  
1,860  feet from S / (N)  (circle one) Line of Section  
1,860  feet from E / (W)  (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) NE SE  NW SW

Lease Name: Duggan Well #: 4  
 Field Name: Sand Hills

Producing Formation: Arbuckle

Elevation: Ground: 1,786' Kelly Bushing: 1,791'  
3630 KCC MM Total Depth: 3,560' Plug Back Total Depth: 3,612'

Amount of Surface Pipe Set and Cemented at 550 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 **ALT 1 8/10/25/00**  
 (Data must be collected from the Reserve Pit)

Chloride content 6800 ppm Fluid volume 3000 bbls

Dewatering method used hauled offsite & evaporation

Location of fluid disposal if hauled offsite:

Operator Name: Bob's Oilfield Service, Inc.

Lease Name: Teichmann License No.: 32408

Quarter SW Sec. 16 Twp. 22 S. R. 12  East  West

County: Stafford Docket No.: D23,722

**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.

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: SD Bandy

Title: President Date: 10/11/00

Subscribed and sworn to before me this 11<sup>th</sup> day of October,

10/2002

Notary Public: Elaine F. Wendel

Date Commission Expires: Sept 30, 2003

**KCC Office Use ONLY**

Letter of Confidentiality Attached

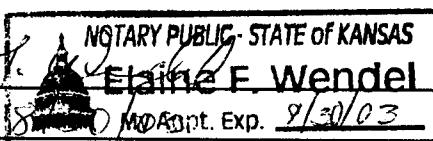
If Denied, Yes  Date: \_\_\_\_\_

Wireline Log Received

Geologist Report Received

UIC Distribution

IDG



Operator Name: H&B Petroleum Corporation Lease Name: Duggan Well #: 4  
 Sec. 30 Twp. 21 S. R. 11  East  West County: Stafford

**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 copy of all Electric Wireline 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	Andydrite	538 +1253
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Topeka	2,750 -961
List All E. Logs Run:		Brown Lm	3,177 -1,384
Dual Compensated Porosity, Dual Induction, Microresistivity, BOREHOLE COMPENSATED SONIC		Lansing	3,197 -1,406
		Arbuckle	3,528 -1,737

CASING RECORD <input checked="" type="checkbox"/> New <input checked="" 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 (Used)	12 1/4"	8 5/8"	28	550'	Common	300	2% gel/3% cc
Production (New)	7 7/8"	5 1/2"	14	3,646'	ASC	160	2% gel/5#Kol/sx

## ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:  — Perforate — Protect Casing — Plug Back TD ✓ Plug Off Zone	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives	
	3,528-52'	Common	100		

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	3,528-52'	750 gals 15% INS acid	
4	3,554-74'	750 gals 15% INS acid	
4	3,574-90'	2,000 gals 15% INS acid	
4	3,528-42'	1,000 gals 15% INS acid	

TUBING RECORD	Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
	2 3/8"	3,554'				

Date of First, Resumed Production, SWD or Enhr.	Producing Method	<input type="checkbox"/> Flowing	<input checked="" type="checkbox"/> Pumping	<input type="checkbox"/> Gas Lift	<input type="checkbox"/> Other (Explain)
9/16/00					

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	44	TSTM	12	NA	34°

Disposition of Gas	METHOD OF COMPLETION	Production Interval	3528'-3542'
<input checked="" type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Sumit ACO-18.)	<input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____		3554'-3574'
			3574'-3590'