

10-16-2001

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

CONFIDENTIAL

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Operator: License # 32158
 Name: H&B Petroleum Corporation **KCC**
 Address: P.O. Box 277
 City/State/Zip: Ellinwood, Kansas 67526 **OCT 16 2000**
 Purchaser: Cooperative Refining, LLC **CONFIDENTIAL**
 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 SLOW Temp. App.
 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 _____
 Commingled _____ Docket No. _____
 Dual Completion _____ Docket No. _____
 Other (SWD or Enhr.?) _____ Docket No. _____
 8/10/00 8/19/00 9/15/00
 Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 185-231050000
 County: Stafford
n/2 se nw Sec. 30 Twp. 21 S. R. 11 East West
1,610 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'
 Total Depth: 3,669' 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 1 978 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

CONSERVATION DIVISION
Wichita, Kansas

STATE CORPORATION COMMISSION
RECEIVED

RELEASED

DEC 19 2001

CONFIDENTIAL

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: [Signature]
 Title: President Date: 10/11/00
 Subscribed and sworn to before me this 11th day of October,
2000.
 Notary Public: [Signature] **NOTARY PUBLIC - STATE OF KANSAS**
Elaine F. Wendel
 Date Commission Expires: 9/30/03

KCC Office Use ONLY

Letter of Confidentiality Attached
 If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

KCC

Operator Name: H&B Petroleum Corporation Lease Name: Duggan Well JAN 13017101
 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 Yes No
 (Attach Additional Sheets)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy)

List All E. Logs Run:

Dual Compensated Porosity, Dual Induction,
 Microresistivity, **BOREHOLE COMPENSATED SONIC**

<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Name	Top	Datum
Andyrite	538	+1253
Topeka	2,750	-961
Brown Lm	3,177	-1,384
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:	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 checked="" type="checkbox"/> Plug Off Zone	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
		2 3/8"	3,554'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr.			Producing Method		
9/16/00			<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 Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	44	TSTM	12	NA	34°

Disposition of Gas Vented Sold Used on Lease (If vented, Sumit ACO-18.)

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other (Specify)

Production Interval 3528'-3542'
3574'-3590'
3554'-3574'

CONFIDENTIAL

ORIGINAL

ALLIED CEMENTING CO., INC. 4047

Federal Tax I.D.# 48-0727860

KCC

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: Nessley Gr Bend

OCT 16 2000 (09-19-00)

DATE <u>09-20-00</u>	SEC. <u>30</u>	TWP. <u>Z1S</u>	RANGE <u>CONFIDENTIAL</u>	CALLED OUT <u>11:00/DM</u>	ON LOCATION <u>2:00/AM</u>	JOB START <u>10:20/AM</u>	JOB FINISH <u>11:00/AM</u>
LEASE <u>DUREAU</u>		WELL # <u>4</u>	LOCATION <u>Co. Line S of Ellinwood</u>		COUNTY <u>STAFFORD</u>	STATE <u>Ks</u>	
OLD OR <u>NEW</u> (Circle one)			<u>45 12 1/4 S 1/4 E</u>				

CONTRACTOR <u>SHIELDS D&G Co.</u>
TYPE OF JOB <u>PRODUCTION CASING</u>
HOLE SIZE <u>7 7/8"</u> T.D. <u>3650'</u>
CASING SIZE <u>5 1/2"</u> DEPTH <u>3646'</u>
TUBING SIZE _____ DEPTH _____
DRILL PIPE _____ DEPTH _____
TOOL _____ DEPTH _____
PRES. MAX _____ MINIMUM _____
MEAS. LINE _____ SHOE JOINT <u>27'</u>
CEMENT LEFT IN CSG. _____
PERFS. _____
DISPLACEMENT _____

OWNER <u>H+B PETROLEUM CORP</u>
CEMENT AMOUNT ORDERED <u>160 SK ASC 2 1/2 GEL</u>
<u>5# KOL SEAL SK</u>

EQUIPMENT	
PUMP TRUCK # <u>P24</u>	CEMENTER <u>BJA</u>
	HELPER <u>JIM W</u>
BULK TRUCK # <u>341</u>	DRIVER <u>BLAKE</u>
BULK TRUCK # _____	DRIVER _____

COMMON <u>ASC 160 SK</u> @ <u>8.20</u>	<u>1312.00</u>
POZMIX _____ @ _____	_____
GEL <u>144</u> @ <u>9.50</u>	<u>9.50</u>
CHLORIDE _____ @ <u>9.</u>	_____
<u>ASF (WEAR?) SCOGA</u> @ <u>1.00</u>	<u>500.00</u>
<u>KOL SEAL 800#</u> @ <u>.38</u>	<u>304.00</u>
_____ @ _____	_____
_____ @ _____	_____
HANDLING <u>160</u> @ <u>1.05</u>	<u>168.00</u>
MILEAGE <u>RELEASED</u>	<u>MIN 100.00</u>

DEC 19 2001 TOTAL \$ 2393.50

REMARKS:

RAN 5 1/2" CASING TO 3646' BREAK (ACCUATION)
RUNNER SCOGA ASF (WEAR?) FRESH TUBING
LAUBLE W/1500L. 70000.00 W/DRY
MIXED 1350L ASC 2 1/2 GEL 5# KOL SEAL
SK - WASHED TUBING & W/DRY DANNED FEEL
TO FLOAT W/FRESH NEW RELEASE float
HELD

FROM CONFIDENTIAL SERVICE

DEPTH OF JOB <u>3646'</u>	
PUMP TRUCK CHARGE _____	<u>1080.00</u>
EXTRA FOOTAGE _____ @ _____	_____
MILEAGE <u>14</u> @ <u>3.00</u>	<u>42.00</u>
PLUG <u>1-Top 5 1/2" RUBBER</u> @ <u>50.00</u>	<u>50.00</u>
_____ @ _____	_____
_____ @ _____	_____

TOTAL \$ 1172.00

CHARGE TO: H+B PETROLEUM CORP
 STREET P.O. Box 277
 CITY ELLINWOOD STATE Ks ZIP 67526

FLOAT EQUIPMENT	
<u>WEATHER FORD</u>	
<u>1- 5 1/2" GUIDE SHOE</u> @ <u>150.00</u>	<u>150.00</u>
<u>1" INSERT</u> @ <u>235.00</u>	<u>235.00</u>
<u>6" CENTRALIZER</u> @ <u>50.00</u>	<u>300.00</u>
_____ @ _____	_____
_____ @ _____	_____

TOTAL \$ 685.00

To Allied Cementing Co., Inc.
 You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX <u>-0-</u>
TOTAL CHARGE \$ <u>4250.50</u>
DISCOUNT \$ <u>425.05</u> IF PAID IN 30 DAYS

SIGNATURE Burton Beery

Burton Beery
PRINTED NAME

Net \$ 3825.45

COPY

ALLIED CEMENTING CO., INC.

P.O. BOX 31
RUSSELL, KS 67665
PH (785) 483-3887
FAX (785) 483-5566

FILE 317

* INVOICE *

Invoice Number: 082038

Invoice Date: 08/20/00

Sold H & B
To: P. O. Box 277
Ellinwood, KS
67526

Cust I.D.: H&B
P.O. Number: Duggan #4
P.O. Date: 08/20/00

Due Date: 09/19/00
Terms: Net 30

Item I.D./Desc	Qty. Used	Unit	Price	Net	TX
ASC	160.00	SKS	8.2000	1312.00	E
Gel	1.00	SKS	9.5000	9.50	E
ASF	500.00	GAL	1.0000	500.00	E
KolSeal	800.00	LBS	0.3800	304.00	E
Handling	160.00	SKS	1.0500	168.00	E
Mileage min. chg.	1.00	MILE	100.0000	100.00	E
Production Casing	1.00	JOB	1080.0000	1080.00	E
Mileage pmp trk	14.00	MILE	3.0000	42.00	E
Rubber plug	1.00	EACH	50.0000	50.00	E
Guide Shoe	1.00	EACH	150.0000	150.00	E
Insert	1.00	EACH	235.0000	235.00	E
Centralizers	6.00	EACH	50.0000	300.00	E

All Prices Are Net, Payable 30 Days Following
Date of Invoice. 1 1/2% Charged Thereafter.
If Account CURRENT take Discount of \$ 425.00
ONLY if paid within 30 days from Invoice Date

Subtotal: 4250.50
Tax: 0.00
Payments: 0.00
Total: 4250.50

AUG 24 2000

AUG 24 2000

ALLIED CEMENTING CO., INC.

P.O. BOX 31
 RUSSELL, KS 67665
 PH (785) 483-3887
 FAX (785) 483-5566

CONFIDENTIAL
CONFIDENTIAL

FILE

ORIGINAL

 * I N V O I C E *

Invoice Number: 081976

Invoice Date: 08/11/00 **KCC**

OCT 16 2000

CONFIDENTIAL

Sold H & B
 To: P. O. Box 277
 Ellinwood, KS
 67526

Cust I.D.....: H&B
 P.O. Number...: Duggan #4
 P.O. Date.....: 08/11/00

Due Date...: 09/10/00
 Terms.....: Net 30

Item I.D./Desc.	Qty. Used	Unit	Price	Net	TX
Common	300.00	SKS	6.3500	1905.00	E
Gel	6.00	SKS	9.5000	57.00	E
Chloride	10.00	SKS	28.0000	280.00	E
Handling	300.00	SKS	1.0500	315.00	E
Mileage (14)	14.00	MILE	12.0000	168.00	E
300 sks @\$.04 per sk per mi					
Surface	1.00	JOB	470.0000	470.00	E
Extra Footage	248.00	PER	0.4300	106.64	E
Mileage pmp trk	14.00	MILE	3.0000	42.00	E

All Prices Are Net, Payable 30 Days Following Subtotal: 3343.64
 Date of Invoice. 1 1/2% Charged Thereafter. Tax.....: 0.00
 If Account CURRENT take Discount of \$ 334.36 Payments: 0.00
 ONLY if paid within 30 days from Invoice Date Total....: 3343.64

RELEASED

DEC 19 2001

FROM CONFIDEN **OCT 18 2000**

ALLIED CEMENTING CO., INC.

4041

Federal Tax I.D.# 48-0727860

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

10/20/00

SERVICE POINT:

GREAT BEND

DATE <u>08-11-00</u>	SEC. <u>30</u>	TWP. <u>21</u>	RANGE <u>11</u>	CALLER OUT <u>5:20 AM</u>	ON LOCATION <u>7:30 AM</u>	JOB START <u>10:30 AM</u>	JOB FINISH <u>11:00 AM</u>
LEASEE <u>LEGAN</u>	WELL # <u>4</u>	LOCATION <u>Co. line S of ELLINWOOD</u>			COUNTY <u>STAFFORD</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>			<u>HS 1E 1/4 S 1/4 E</u>				

CONTRACTOR SHIELDS DRILL CO

TYPE OF JOB SURFACE JOB

HOLE SIZE 12 1/4" T.D. SSO'

CASING SIZE 8 5/8" DEPTH 548'

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. 20'

PERFS. _____

DISPLACEMENT 330'

OWNER H+B Petro Corp

CEMENT

AMOUNT ORDERED 300L (Common) 206 GEL

EQUIPMENT

PUMP TRUCK # 181 CEMENTER BUD

HELPER TIM

BULK TRUCK # 344 DRIVER STEVE

BULK TRUCK # _____ DRIVER _____

COMMON	<u>300</u>	@	<u>6.35</u>	<u>1905.00</u>
POZMIX		@		
GEL	<u>6</u>	@	<u>9.50</u>	<u>57.00</u>
CHLORIDE	<u>10</u>	@	<u>28.00</u>	<u>280.00</u>
		@		
		@		
		@		
		@		
HANDLING	<u>300</u>	@	<u>1.05</u>	<u>315.00</u>
MILEAGE	<u>14</u>			<u>168.00</u>

TOTAL \$ 2725.00

REMARKS:

Hooked up to Rig. Done Circulation
8 5/8" set at 848' mixed 300L
Common 300CC 206 GEL. Displaced
TRUCK to 330' with 300 LBS
CEMENT Circulated

SERVICE

DEPTH OF JOB	<u>548'</u>			
PUMP TRUCK CHARGE	<u>0-300'</u>			<u>470.00</u>
EXTRA FOOTAGE	<u>248'</u>	@	<u>.43</u>	<u>106.64</u>
MILEAGE	<u>14</u>	@	<u>3.00</u>	<u>42.00</u>
PLUG		@		
		@		
		@		

TOTAL \$ 618.64

CHARGE TO: H+B Petrochemical Corp

STREET P.O. Box 277

CITY ELLINWOOD STATE KS ZIP 67526

FLOAT EQUIPMENT

	@		
	@		
	@		
	@		
	@		

TOTAL _____

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX - 0 -

TOTAL CHARGE \$ 3343.64

DISCOUNT \$ 334.36 IF PAID IN 30 DAYS

SIGNATURE Burton Beery

Burton Beery
PRINTED NAME

Net 3009.28