

ORIGINAL

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
ACO-1 WELL HISTORY  
DESCRIPTION OF WELL AND LEASE

Operator: License # 3871

Name: Hugoton Energy Corporation

Address 229 E. William

Suite 500

City/State/Zip Wichita, KS 67202

Purchaser: Spot

Operator Contact Person: Jim Gowens

Phone ( 316 ) 262-1522

Contractor: Name: Cheyenne Drilling

License: 5382

Wellsite Geologist: Ron Osterbuhr

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SMD  SLOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Deepening  Re-perf.  Conv. to Inj/SMD  
 Plug Back \_\_\_\_\_ PBSD  
 Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_  
 Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_  
 Other (SMD or Inj?) \_\_\_\_\_ Docket No. \_\_\_\_\_

7-14-91 7-25-91 8-29-91  
Spud Date Date Reached TD Completion Date

API NO. 15- 075-20,489,0000

County Hamilton

C - SE - SE - Sec. 20 Twp. 21S Rge. 40 X W <sup>E</sup>

660 Feet from S (circle one) Line of Section

660 Feet from E/W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
NE, SE NW or SW (circle one)

Lease Name Bogner Well # 2-20

Field Name Bradshaw

Producing Formation Chase

Elevation: Ground 3560' KB 3571'

Total Depth 5450' PBSD 2914'

Amount of Surface Pipe Set and Cemented at 1368 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 2-25-94 Alt-I JH  
(Data must be collected from the Reserve Pit)

Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls

Dewatering method used \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name \_\_\_\_\_

Lease Name \_\_\_\_\_ License No. \_\_\_\_\_

\_\_\_\_\_ Quarter Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Rng. \_\_\_\_\_ E/W

County \_\_\_\_\_ Docket No. \_\_\_\_\_

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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 on 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.

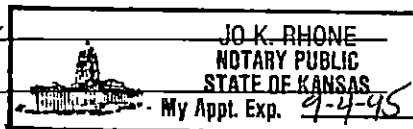
Signature [Signature]

Title Exploration Manager Date 5-20-92

Subscribed and sworn to before me this 20th day of May, 19 92.

Notary Public Jo K. Rhone

Date Commission Expires \_\_\_\_\_



K.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Geologist Report Received  
Distribution:  KCC  SWD/Rep  NGPA  
 KGS  Plug  Other (Spec)   
RECEIVED MAY 2 1992 CORPORATION COMMISSION CONSERVATION DIVISION Wichita, Kansas

Operator Name Hugoton Energy Corporation Lease Name Bogner Well # 2-20  
 Sec. 20 Twp. 21S Rge. 40  East County Hamilton  
 West

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken (Attach Additional Sheets.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<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	B/SC	2354	+1217
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Heebner	3919	-348
List All E.Logs Run:		Lansing	4022	-451
BCA, PDS, MRS, DSI (BPB)		Marmaton	4558	-987
		Cherokee	4710	-1139
		Morrow Shale	4968	-1397
		Mississippian	5290	-1719

CASING RECORD <input 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	12 1/4	8 5/8	24	1368	light	600	3% cc
Production	7 7/8	4 1/2	11.6	2947	light	960	4% gel, 2% cc

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	Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
2	2772-77	Acidize with 1000 gal	
		15% HCL; Frac with 35,000#	
		sand + 20,000 gal	

<b>TUBING RECORD</b>	Size <u>2 3/8</u>	Set At <u>2832'</u>	Packer At <u>NA</u>	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.	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 <u>0</u> Bbls.	Gas <u>150</u> Mcf	Water <u>25</u> Bbls.	Gas-Oil Ratio _____ Gravity _____

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

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

Production Interval 2772-2777

# BJ-TITAN SERVICES

P.O. BOX 4442 HOUSTON, TX 77210

# CEMENTING LOG ORIGINAL

STAGE NO.

Date 7-19-91 District Oakley Ticket No. 609914  
 Company Hugoton Energy Rig Chryse #1  
 Lease Bosner Well No. 2-20  
 County Hamilton State KS  
 Location Tribune 12S-2E-2S-Win Field \_\_\_\_\_

CASING DATA: PTA  Squeeze   
 Surface  Intermediate  Production  Liner   
 Size 8 7/8 Type \_\_\_\_\_ Weight 24 Collar \_\_\_\_\_

Casing Depths: Top \_\_\_\_\_ Bottom \_\_\_\_\_

Drill Pipe: Size \_\_\_\_\_ Weight \_\_\_\_\_ Collars \_\_\_\_\_  
 Open Hole: Size \_\_\_\_\_ T.D. \_\_\_\_\_ ft. P.B. to \_\_\_\_\_ ft.

CAPACITY FACTORS:  
 Casing: Bbls/Lin. ft. 0.0637 Lin. ft./Bbl. \_\_\_\_\_  
 Open Holes: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Drill Pipe: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Annulus: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Perforations: From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Amt. \_\_\_\_\_

CEMENT DATA:  
 Spacer Type: \_\_\_\_\_  
 Amt. \_\_\_\_\_ Sks Yield \_\_\_\_\_ ft<sup>2</sup>/sk Density \_\_\_\_\_ PPG

LEAD: Pump Time \_\_\_\_\_ hrs. Type Lite 3%CC  
4 1/2" Cello Plak Excess \_\_\_\_\_  
 Amt. 450 Sks Yield 1.84 ft<sup>2</sup>/sk Density 12.7 PPG

TAIL: Pump Time \_\_\_\_\_ hrs. Type A 2%CC  
WATER Excess \_\_\_\_\_  
 Amt. 150 Sks Yield 1.17 ft<sup>2</sup>/sk Density 15.7 PPG

WATER: Lead 7.8 gals/sk Tail 5.2 gals/sk Total 105 Bbls.

Pump Trucks Used 6454  
 Bulk Equip. 2037 & 2752

Floater Equip: Manufacturer \_\_\_\_\_  
 Shoe: Type TX Pattern Depth \_\_\_\_\_  
 Floater: Type Auto fill Depth \_\_\_\_\_  
 Centralizers: Quantity 4 Plugs Top \_\_\_\_\_ Btm. \_\_\_\_\_  
 Stage Collars \_\_\_\_\_  
 Special Equip. Loc R.  
 Disp. Fluid Type 1120 Amt. 844 Bbls. Weight 84 PPG  
 Mud Type \_\_\_\_\_ Weight \_\_\_\_\_ PPG

COMPANY REPRESENTATIVE \_\_\_\_\_

CEMENTER Fitz

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
3:00	am					On Location & Set up tubs
9:30	am					Prejob Safety Meeting Run Floater Equipment
11:05	am		147.5 Bbls Slurry			Mix Lead Cement
			31.3 Bbls Slurry			Tail Cement
12:00	pm					Release Plug & Displace To Insert Plug Down Insert Oid Hold Cement Oid Circulate

RECEIVED  
 STATE CORPORATION COMMISSION

FEB 25 1994

CONSERVATION DIVISION  
 Wichita, Kansas

*[Signature]*

15.075.20489.0000

**BJ-TITAN SERVICES**

P.O. BOX 4442 HOUSTON, TX 77210

**CEMENTING LOG ORIGINAL** STAGE NO. 1

Date 7-24-91 District Oakley Ticket No. 609918  
 Company Houston Energy Rig Chryanne #1  
 Lease Boynor Well No. 2-20  
 County Hamilton State KS  
 Location Tribune 155-2E-2S-Win Field \_\_\_\_\_

CEMENT DATA:  
 Specif Type: 110 Sk Surefill 4% Gr 1/4" Cellulose 670 GYP Seal  
 Amt. 110 Sk Yld 1.59 ft<sup>3</sup>/sk Density 14.2 PPG

CASING DATA: RTA  Squeeze   
 Surface  Intermediate  Production  Liner   
 Size 4 1/2 Type \_\_\_\_\_ Weight 9.5 Collar \_\_\_\_\_

7590 CaCl<sub>2</sub>  
 LEAD: Pump Time \_\_\_\_\_ hrs. Type Lite (65/35)  
670 GCL  
 Amt. 660 Sk Yld 1.84 ft<sup>3</sup>/sk Density 12.7 PPG  
 Excess \_\_\_\_\_

Casing Depths: Top \_\_\_\_\_ Bottom 2950

TAIL: Pump Time \_\_\_\_\_ hrs. Type Surefill 4% Gr  
1/4" Cellulose 670 GYP SEAL 7590 CaCl<sub>2</sub>  
 Amt. 300 Sk Yld 1.59 ft<sup>3</sup>/sk Density 14.2 PPG  
 WATER: Lead 7.2 gals/sk Tail 7.96 gals/sk Total \_\_\_\_\_ Bbls.

Drill Pipe: Size \_\_\_\_\_ Weight \_\_\_\_\_ Collars \_\_\_\_\_  
 Open Hole: Size 7 7/8 T.D. 3200 ft. P.B. to 3000 ft.

Pump Trucks Used 2751-6454  
 Bulk Equip. 222-6458; 513-5401; 2752-6455

CAPACITY FACTORS:

Casing: Bbls/Lin. ft. 0.163 Lin. ft./Bbl. \_\_\_\_\_  
 Open Holes: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Drill Pipe: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Annulus: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Perforations: From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Amt. \_\_\_\_\_

500gal Mud Sweep  
 Float Equip. Manufacturer Baker  
 Shoe: Type Cement Depth \_\_\_\_\_  
 Float: Type Autofill Depth \_\_\_\_\_  
 Centralizers: Quantity 5 Plugs Top Rubber Btm. \_\_\_\_\_  
 Stage Collars \_\_\_\_\_  
 Special Equip. 2-Lock Rings  
 Disp. Fluid Type H<sub>2</sub>O Amt. 47 1/2 Bbls. Weight 8.4 PPG  
 Mud Type \_\_\_\_\_ Weight \_\_\_\_\_ PPG

COMPANY REPRESENTATIVE \_\_\_\_\_

CEMENTER Fitz

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
9:15	pm	Central	Time			On Location & Set up tools Prjct Safety Meeting
12:30	am	7-25-91				Spot 110sk Surefill 4% Gr 1/4" Cellulose @ 3700 to 3000 ft
6:00	am					Run Float Equipment
8:15						10 Bbls H <sub>2</sub> O 500gal Mud Sweep Lead Tail Wash out pump & Lines
9:45						Release plug & Displace To Insert Plug Down @ 800 PSI Insert Oid, Hold Cement Oid Circulate

FINAL DISP. PRESS: 600 PSI BUMP PLUG TO 800 PSI BLEEDBACK 1/4 BBLs. THANK YOU  
 Form No. SR 0502 (Rev. 7/85)