

ORIGINAL

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

API NO. 15- 055-21654 0000

County Finney

SW NE NE Sec. 9 Twp. 26S Rge. 34 X W

1250 Feet from S (circle one) Line of Section

850 Feet from E (circle one) Line of Section

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

Lease Name Bedford B Well # 2

Field Name Reeve SE

Producing Formation St. Louis

Elevation: Ground 2958 KB 2968

Total Depth 5300 PBDT 5210

Amount of Surface Pipe Set and Cemented at 1902 Feet

Multiple Stage Cementing Collar Used? X Yes No

If yes, show depth set 3229 Feet

If Alternate II completion, cement circulated from

feet depth to w/ sx cmt.

Drilling Fluid Management Plan ALT 1 JK 6-30-00  
(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.

Operator: License # 5293 **CONFIDENTIAL**

Name: Helmerich & Payne, Inc.

Address 1579 E. 21st Street

City/State/Zip Tulsa, OK 74114

Purchaser: NCRA

Operator Contact Person: Sharon LaValley

Phone (918) 742-5531

Contractor: Name: Cheyenne Drilling

License: 5283

Wellsite Geologist: Brad Rine

Designate Type of Completion  
X New Well Re-Entry Workover

X Oil SWD SIOW Temp. Abd.

Gas ENHR SIGW

Dry Other (Core, WSW, Expl. Cathodic, etc)

If Workover:

Operator: MAR 09 2000

Well Name: **CONFIDENTIAL**

Comp. Date Old Total Depth

Deepening Re-perf. Conv. to Inj/SWD

Plug Back PBDT

Commingled Docket No.

Dual Completion Docket No.

Other (SWD or Inj?) Docket No.

11-11-99 11-23-99 Pump Testing

Spud Date Date Reached TD Completion Date

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 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 Sharon LaValley

Title Eng. Tech Date 3-9-2000

Subscribed and sworn to before me this 9th day of March, 2000.

Notary Public Robbie M. Wilburn

Date Commission Expires 2/7/2003 **Release**

NOV 10 2003

**From Confidential**

K.C.C. OFFICE USE ONLY					
F	<input checked="" type="checkbox"/>	Letter of Confidentiality Attached			
C	<input checked="" type="checkbox"/>	Wireline Log Received			
C	<input type="checkbox"/>	Geologist Report Received			
Distribution					
<input type="checkbox"/>	KCC	<input type="checkbox"/>	SWD/Rep	<input type="checkbox"/>	NGPA
<input type="checkbox"/>	KGS	<input type="checkbox"/>	Plug	<input type="checkbox"/>	Other (Specify)

Operator Name Helmerich & Payne, Inc. Lease Name Bedford B Well # 2

Sec. 9 Twp. 26S Rge. 34  East  West County Finney

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 type="checkbox"/> Log Formation (Top), Depth and Datums	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	See Attachment	
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
List All E.Logs Run:	SP/DIL/CNL/CDL/MEL/BHCS/GR/CBL		

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	23#	1902	35/65 Poz	685	6% D20 Bent + 2% S1 CaCl + 1/4#sx D29 Flocele
					Class C	150	2% S1 CaCl + 1/4#sx D29 Flocele
Production	7 7/8	5 1/2	15.5#	5294	50/50 Poz H (Lower)	250	2% D20 Bent + 1% D65 TIC + 10% D44 NaCl + 1/4# sx D20 celloflake + 0.2% D46 antifoamer
					50/50 Poz C (Upper)	250	2% D20 bent + 10% D44 NaCl + 1/4#sx D29 celloflake + 0.2% D46 antifoamer

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			
<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		Acid, Fracture, Shot, Cement Squeeze Record				
	Specify Footage of Each Interval Perforated	Bridge Plugs Set/Type	(Amount and Kind of Material Used)	Depth			
4	Spergan 5230-5238' Not Productive Set CIBP @ 5220' w/2 sx cmt on top		1000 gal 15% NeFe HCl				
4	Mississippi D 5118'-24'		1000 gal 15% NeFe HCl				
4	Mississippi C 5098'-5104'		1000 gal 15% NeFe Hcl				
4	Mississippi B 5010'-16' & 5026'-30'		1500 gal 15% NeFe Hcl				
TUBING RECORD		Size	Set At	Packer At	Liner Run	Yes	No
		2 7/8	5140'			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Date of First, Resumed Production, SWD or Inj. 02/01/2000			Producing Method				
			<input checked="" type="checkbox"/> Flowing	<input checked="" type="checkbox"/> Pumping	<input checked="" type="checkbox"/> Gas Lift	<input type="checkbox"/> Other (Explain)	
Estimated Production Per 24 Hours	Oil	Bbls	Gas	MCF	Water	Bbls.	Gas-Oil Ratio Gravity
	38				2		

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

METHOD OF COMPLETION:  Open Hole  **Perf**  Dually Comp.  Commingled

Production Interval: 5010'-5016'  
5026'-5030'  
5098'-5104'  
5118'-5124'

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**Helmerich & Payne, Inc.  
Section 9 - T26S-R34W  
Finney County, Kansas**

**KB: 2968'**

<b>Formation</b>	<b>MeasureDepth</b>	<b>Sub-Sea</b>
Heeber Shale	3836	-868
Toronto	3850	-882
Lansing	3884	-916
Kansa City 'A'	4282	-1315
Base of Kansas City	4429	-1461
Marmaton	4450	-1503
Pawnee	4536	-1568
Cherokee	4598	-1630
Atoka	4731	-1763
Morrow Shale	4834	-1866
Chester lime	4924	-1956
St. Gen.	4948	-1980
St. Louis	5009	-2041
Spergen	5210	-2242
Total Depth	5282	-2314

**RECEIVED**  
STATE CORPORATION COMMISSION

**MAR 13 2000**

CONSERVATION DIVISION  
Wichita, Kansas

**KCC**  
MAR 09 2000  
**CONFIDENTIAL**

**Release**  
NOV 10 2003  
**From**  
**Confidential**