

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

API NO. 15- 075-20548 · 0000 ORIGINAL
County HAMILTON
NE- SW - SW - Sec. 24 Twp. 21S Rge. 41W X W

Operator: License # 3871
Name: Hugoton Energy Corporation
Address: 301 N. Main, Suite 1900
City/State/Zip: Wichita, KS 67202

1250 FSL Feet from (S)N (circle one) Line of Section
4030 FEL Feet from (E)W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE, (SE) NW, or SW (circle one)

Purchaser: CIBOLA
Operator Contact Person: Jim Gowens
Phone: (316) 262-1522

Lease Name SCHAFFER Well # 2-24
Field Name BRADSHAW
Producing Formation CHASE

Contractor: Name: Murfin Drilling Co., Inc.
License: 30606

Elevation: Ground 3610' KB 3618'
Total Depth 2815' PBTB

Wellsite Geologist: NA
Designate Type of Completion
 New Well Re-Entry Workover

Amount of Surface Pipe Set and Cemented at 325 Feet.
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set Feet
If Alternate II completion, cement circulated from 2811
feet depth to surface w/ 675 sx cmt.

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

Drilling Fluid Management Plan ALT 2, 29 1-31-95
(Data must be collected from the Reserve Pit)
Chloride content ppm Fluid volume bbls

If Workover/Re-Entry: old well info as follows:
Operator:
Well Name:
Comp. Date Old Total Depth
 Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBTB
 Commingled Docket No.
 Dual Completion Docket No.
 Other (SWD or Inj?) Docket No.
03/24/94 03/26/94 7/15/94
Spud Date Date Reached TD Completion Date

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: Jim Gowens, V.P. Exploration Date: 8/18/94

Subscribed and sworn to before me this 18 day of August 1994
Notary Public: [Signature]

Date Commission Expires: 18, 1995
Garry D. Walker
NOTARY PUBLIC
State of Kansas
MY APPT. 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
RECEIVED
STATE CORPORATION COMMISSION

15.075.20548.0000

SIDE TWO

Operator Name Hugoton Energy Corporation Lease Name SCHAFFER Well # 2-24

East

County HAMILTON

Sec. 24 Twp. 21S Rge. 41W East West

ORIGINAL

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
List All E. Logs Run:	GRN		

CASING RECORD

New 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"		325'	65/35 poz Class 'C'	90	6% gel + 3% cacl2 + 1/4#/sk D29
production	7-7/8"	4-1/2"	9.5#	2811'	65/35 poz Class 'C'	600	3% cacl2 + 1/4#/sk D29
						75	6% D20 + 2% S1 + 1/4#/sk D29 + 0.6%D60

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 Specify Footage of Each Interval Perforated		Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth	
	2	2783' - 2789' (6')	500 gal 15% FE acid	2783' - 2789'
		4000# 100 mesh sand	2783' - 2789'	
		18,500# 12/20 Brady sand	2783' - 2789'	

TUBING RECORD		Size <u>2-3/8"</u>	Set At <u>2808'</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. <u>7/24/94</u>		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>44</u>	Mcf Water <u>105</u>	Bbls. Gas-Oil Ratio	Gravity

Disposition of Gas: **METHOD OF COMPLETION** Production Interval

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled 2783' - 2789'

Other (Specify) _____

CEMENTING SERVICE REPORT

Schlumberger

Dowell

DOWELL SCHLUMBERGER INCORPORATED

15.075.20548.0000

TREATMENT NUMBER 05-12-10051 DATE 3-24-94
STAGE DS DISTRICT 2145505 Kc.

DS-496-A PRINTED IN U.S.A.

WELL NAME AND NO. SCHAFFER 2-24 LOCATION (LEGAL) Sec. 24-215-41 RIG NAME MURFIN Drilling #20

FIELD-POOL _____ FORMATION _____ WELL DATA: BIT SIZE 2 1/4 CSG/Liner Size 8 7/8 BOTTOM _____ TOP _____

COUNTY/PARISH Hamilton STATE Kc. API. NO. _____ TOTAL DEPTH _____ WEIGHT 24

NAME Hugoton Energy Corp. MUD TYPE _____ GRADE 555 FOOTAGE 324

AND _____ MUD DENSITY _____ LESS FOOTAGE SHOE JOINT(S) _____ THREAD 820

ADDRESS _____ MUD VISC. _____ Disp. Capacity 19

ZIP CODE _____

SPECIAL INSTRUCTIONS _____

NOTE: Include Footage From Ground Level To Head In Disp. Capacity

ORIGINAL

IS CASING/TUBING SECURED? YES NO

LIFT PRESSURE 133 PSI CASING WEIGHT ÷ SURFACE AREA (3.14 x R²) _____

PRESSURE LIMIT _____ PSI BUMP PLUG TO _____ PSI

ROTATE RPM _____ RECIPROCATE _____ FT No. of Centralizers _____

Head & Plugs TBG D.P. SQUEEZE JOB

Double SIZE WEIGHT GRADE THREAD KNOCKOFF

Single GRADE WEIGHT SIZE DEPTH

Swage GRADE WEIGHT SIZE DEPTH

Knockoff THREAD KNOCKOFF

TOP OR BW NEW USED DEPTH

BOT OR DW DEPTH

TUBING VOLUME _____ Bbls
CASING VOL BELOW TOOL _____ Bbls
TOTAL _____ Bbls
ANNUAL VOLUME _____ Bbls

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR TIME			ARRIVE ON LOCATION TIME			LEFT LOCATION TIME		
	TBG OR D.P.	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	TIME	DATE	TIME	DATE	TIME	DATE
0001 to 2400													
1600	12	10			5	H20							
1600	40		5		5	H10							
1602	120	34			5	cmf	12.2						
1605	110		16		5	cmf	12.2						
1608	120	21			5	cmf	14.5						
1610	160		11		5	cmf	14.5						
1612	0												
1613	0	14			3	H10							
1617	50		10		3	H20							
1618	80		14		3	H20							
1619	110		17		3	H20							
1620	130		18		3								
1620	100		14		3								
1622													

REMARKS _____

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED BBLs	
							DENSITY	
1.	90	2.10	class C + 6% gal + 3% calh + 1/4" 1029				12.2	
2.								
3.	90	1.32	class C + 3% calh + 1/4" 1029				14.5	
4.								
5.								
6.								

BREAKDOWN FLUID TYPE _____ VOLUME _____ DENSITY _____ PRESSURE _____ MAX STATE CORPORATION COMMISSION

HESITATION SQ. RUNNING SQ. CIRCULATION LOST YES NO Cement Circulated To Surf. YES NO

BREAKDOWN PSI FINAL _____ PSI DISPLACEMENT VOL. _____ Bbls

Washed Thru Perfs YES NO TO _____ FT. MEASURED DISPLACEMENT _____ Bbls

PERFORATIONS _____ CUSTOMER REPRESENTATIVE _____ DS SUPERVISOR _____

TO _____ TO _____

TO _____ TO _____

RECEIVED
MAX STATE CORPORATION COMMISSION
CONSERVATION DIVISION
WICHITA, KANSAS

CEMENTING SERVICE REPORT



15.075-20548-0000

TREATMENT NUMBER 57 DATE 26-94
 STAGE DS DISTRICT K5

DS-496 PRINTED IN U.S.A.

DOWELL SCHLUMBERGER INCORPORATED

WELL NAME AND NO. Schaffer No. 2-24 LOCATION (LEGAL) Sec. 24-215-41W RIG NAME: Murfin Rig 20
 FIELD POOL Bradshaw FORMATION
 COUNTY/PARISH Hamilton STATE Kansas APL. NO.
 NAME Hugoton Energy

WELL DATA: 2 7/8" BIT SIZE 2815 CSG/Liner Size 10.5 BOTTOM TOP
 TOTAL DEPTH 2815 WEIGHT 2813
 ROT CABLE FOOTAGE GRADE 8rd
 BHST BHCT THREAD
 MUD DENSITY LESS FOOTAGE SHOE JOINT(S) 2813 TOTAL
 MUD VISC. Disp. Capacity

NOTE: Include Footage From Ground Level To Head In Disp. Capacity

ADDRESS ZIP CODE
 SPECIAL INSTRUCTIONS safety cement the 4 1/2 casing per customers request

Head & Plugs TBG D.P. SQUEEZE JOB
 Double SIZE WEIGHT TOOL TYPE
 Single GRADE TAIL PIPE: SIZE DEPTH DEPTH
 Swage THREAD TUBING VOLUME Bb/s
 Knockoff NEW USED CASING VOL BELOW TOOL Bb/s
 BOT CW DEPTH TOTAL Bb/s
 ANNUAL VOLUME Bb/s

IS CASING/TUBING SECURED? YES NO
 LIFT PRESSURE 1860 PSI CASING WEIGHT SURFACE AREA (3.14 x R²)
 PRESSURE LIMIT 1800 PSI BUMP PLUG TO 1177, 500 PSI
 ROTATE RPM RECIPROCATE FT No. of Centralizers 4

JOB SCHEDULED FOR TIME: 3:00 DATE: 3-26-94 ARRIVE ON LOCATION TIME: 3:00 DATE: 3-26-94 LEFT LOCATION TIME: 2:30 DATE: 3-26-94

TIME	PRESSURE		VOLUME PUMPED BBL		INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
	TBG OR D.P.	CASING	INCREMENT	CUM				
0001 to 2400								
1807		220	10		6	H ₂ O	8.34	PRE-JOB SAFETY MEETING
1810		180	224	10	6	cmf	12.2	Break circulation
1843		200	17	234	6	cmf	14.8	Start lead cement
1846								Start Tail cement
1850		700	35	251	6	H ₂ O	8.34	Shutdown/Drop Plug/Wash lines.
1857		1500	10	286	2	H ₂ O	8.34	Start Displacement.
1902								Lower Rate.
								Bump Plug / check float. / JT held
								Release Dowell

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS		SLURRY MIXED		
			BLS	DENSITY	BLS	DENSITY	
1.	600	2.1	65% 402 + 69% A26 + 29% S1 + 4% 5K029	221	12.2		
2.	75	1.32	Class C + 29% S1 + 4% 5K029 + 0.6% A60	17	14.8		
3.							
4.							
5.							
6.							

BREAKDOWN FLUID TYPE VOLUME DENSITY PRESSURE MAX. MIN. TRICE
 HESITATION SQ. RUNNING SQ. CIRCULATION LOST YES NO Cement Circulated To Surf. YES NO Bb/s.
 BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. 44.7 Bb/s
 Washed Thru Perls YES NO TO FT. MEASURED DISPLACEMENT WIRELINE
 PERFORATIONS TO TO TO TO
 CUSTOMER REPRESENTATIVE Joe Brougher DS SUPERVISOR Steve Menaf