

129-10289-00-01

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- Pre-1967

County Morton

NE - NW Sec. 23 Twp. 33S Rge. 42 X W

330' Feet from S (N) (circle one) Line of Section

2310' Feet from E (N) (circle one) Line of Section

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

Lease Name Bohem Well # 4

Field Name Boehm Storage

Storage Formation Morrow "G" Sand

Elevation: Ground 3489' KB N/A

Total Depth 5153' GL PBTD --

Amount of Surface Pipe Set and Cemented at 334 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 REWORK JH 7-7-95
(Data must be collected from the Reserve Pit)

Operator: License # 7117

Name: Colorado Interstate Gas Company

Address P. O. Box 1087
Colorado Springs, CO

City/State/Zip 80944

Purchaser: N/A

Operator Contact Person: A. P. Trinko

Phone (719) 473-2300

Contractor: Name: _____

License: _____

Wellsite Geologist: None

Designate Type of Completion
 New Well Re-Entry Workover

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

If Workover:

Operator: Cities Service Oil Company

Well Name: Kepner A-1

Comp. Date 10-28-52 Old Total Depth 5165'

Deepening Re-perf. Cony. to (In) SWD
 Plug Back PBTD UNSEAL
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

2/11/74 3/05/74
Date of START Date Reached TD Completion Date OF
OF WORKOVER WORKOVER

Chloride content _____ ppm Fluid volume _____ bbls

Dewatering method used _____

Disposition 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 Anthony P. Trinko

Title Sr. Geologist Date 7/05/95

Subscribed and sworn to before me this 5th day of July, 19 95.

Notary Public Cheryl Bauer

Date Commission Expires 4-12-98

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
(Specify)

PI

SIDE TWO

Operator-Name Colorado Interstate Gas Company Lease Name Boehm Well # 4

Sec. 23 Twp. 33S Rge. 42 East West
 County Morton

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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Morrow "G" Sand	4781'	(-1280)
Electric Log Run (Submit Copy.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Keyes Sand	4921'	(-1420)
List All E.Logs Run:				

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	17-1/4"	12-3/4	45.45	334	Common	250	
Intermediate	11"	8-5/8	28 & 32	3619	Common & Stratacrete	750	1/4# FLOCELE
Production	7-7/8"	5-1/2	14 - 15.5	5040	AA	538	1/4# FLOCELE

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
5	4770' - 4792' GL } NEW		
5	4806' - 4818' GL }		
3	4818' - 4830'		

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2-3/8"	4834'	--	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. 4/09/74		Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) N/A			
Estimated Production Per 24 Hours	Oil N/A	Bbls.	Gas Mcf	Water 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 4770'-4818'

Storage Other (Specify) _____

ORIGINAL



McCullough®

NEUTRON LOG

FILING NO. HN- 72361	COMPANY. COLORADO INTERSTATE GAS CO. WELL. BOEHM #4 FIELD. BOEHM GAS STORAGE COUNTY. MORTON STATE. KANSAS LOCATION: 330' FSL & 330' FWL of N/4 CORNER SEC. 23 TWP. 33S RGE. 42W						
PERMANENT DATUM G.L. ELEV. 3489'							
LOG MEASURED FROM G.L.							
DRILLING MEASURED FROM G.L.							
DATE 2-11-74							
RUN NO. ONE							
TYPE LOG NEUTRON (N-N)							
DEPTH-DRILLER 5049'							
DEPTH-LOGGER 4885'							
BOTTOM LOGGED INTERVAL 4884'							
TOP LOGGED INTERVAL 3200'							
TYPE FLUID IN HOLE SALT WATER							
SALINITY PPM CL.							
DENSITY LB./GAL.							
LEVEL 4056'							
MAX. REC. TEMP. DEG. F							
OPR. RIG TIME							
RECORDED BY PARKER							
WITNESSED BY MR. BURKETT							
OTHER SERVICES:							
ELEVATIONS:							
KB.							
DF. 3408'							
GL. 3489'							
RUN	BORE HOLE RECORD			CASING RECORD			
NO.	BIT	FROM	TO	SIZE	WGT.	FROM	TO
1	7-7/8"	2619'	5049'	8-5/8"		0	2619'
				5-1/2"		0	5049'

THIS HEADING AND LOG CONFORMS TO API RECOMMENDED STANDARD PRACTICE RP-33 (P)

FOLD HERE

4700

4750

4800

4850

API UNITS

0 296 592 888 1184 1480

LOG BOTTOM - 4884'

COLORADO INTERSTATE GAS COMPANY
BOEHM #4