

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

Operator: License # 5293
Name Helmerich & Payne Inc
Address P.O. Box 558
City/State/zip Garden City, Ks 67846
Purchaser Panhandle Eastern

Operator Contact Person Millard Lindsay
Phone 316-276-3693

Contractor: License # 5842
Name Gabbert & Jones

Wellsite Geologist Summit
Phone

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD Temp
 Gas Inj Delayed Comp
 Dry Other (Core, Water Supply etc.)

If ONWD: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable

11-20-88 11-30-88
Spud Date Date Reached TD Completion Date
5875 2992
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 1513 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set feet
If alternate 2 completion, cement circulated from 2992 feet depth to surf w/ 430 SX cmt
Cement Company Name Halliburton
Invoice # 730821

API NO. 15-175-21063
County Seward
C. S/2 SW Sec 11 Twp 31 Rge 34 East X West

660 Ft North from Southeast Corner of Section
3895 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Reed
(Formerly Anardarko Ives)

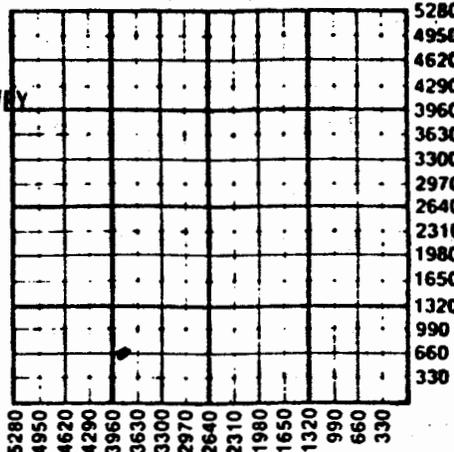
Field Name Hugoton

Producing Formation Hugoton

Elevation: Ground 2941 KB 2953

Section Plat

FEB 06 1989



KANSAS GEOLOGICAL SURVEY
WICHITA BRANCH
RECEIVED
STATE CORPORATION COMMISSION
JAN 24 1989
CONSERVATION DIVISION
Wichita, Kansas

WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # Repressuring

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

Source of Water:
Division of Water Resources Permit #

Groundwater 660 Ft North from Southeast Corner
(Well) 3895 Ft West from Southeast Corner of
Sec 11 Twp 31 Rge 34 East X West

Surface Water Ft North from Southeast Corner
(Stream, pond etc) Ft West from Southeast Corner
Sec Twp Rge East West

Other (explain)
(purchased from city, R.W.D. #)

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 drillers time log shall be attached with this form. 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 Millard Lindsay

Title District Production Manager Date 1-20-89

Subscribed and sworn to before me this 23rd day of January 1989

Notary Public, State of Kansas
Judy J. Schmitt

My Comm. Expires August 15, 1992

K.C.C. OFFICE USE ONLY

F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

Sec. 11 Twp. 31 Rge. 34 W

Operator Name **Helmerich & Payne, Inc.** Lease Name **Reed** Well # **1-2**

Sec. **11** Twp. **31S** Rge. **34** East West County **Seward**

WELL LOG

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 Yes No
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

Formation Description Log Sample

DST #1 Morrow 5448-5480

IHP - 2572
 30" IFP - 68 to 113
 60" ISIP - 112
 30" FFP - 112 to 112
 120" FSIP - 134
 FHP - 2546

Recovery: 10' drlg mud

Name	Top	Bottom
Herrington	2374	
Krider	2640	
Winfield	2690	
U. Ft. Riley	2734	
L. Ft. Riley	2788	
Wreford	2883	
Council Grove	2908	
Heebner	4106	
Lansing A	4220	
KC A	4683	
Base KC	4828	
Marmaton	4846	
Morrow	5366	
Chester Unc	5547	
St. Gen.	5664	
St. Louis	5730	
DTD	5875	
LTD	5872	

DST #2 Upper Chester 5546-5562

IHP - 2588
 15" IFP-94 to 119
 60" ISIP - 142
 30" FFP - 115 to 80
 120" FSIP - 86
 FHP - 2575

Recovery: 5' drlg mud

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 3/4	8 5/8	24	1513	50/50 Poz Regular	550	4% gel, 2% cc
Production	7 7/8	5 1/2	14	2992	50/50 poz Litewater	200 280 150	2% cc 1/2 # flocele 2% gel, 1/2 # flocele

PERFORATION RECORD

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth

TUBING RECORD Size Set At Packer at Liner Run Yes No

Date of First Production Producing Method Flowing Pumping Gas Lift Other (explain).....

Estimated Production Per 24 Hours	Oil Bbls	Gas MCF	Water Bbls	Gas-Oil Ratio	Gravity

METHOD OF COMPLETION

Disposition of gas: Vented Sold Used on Lease
 Open Hole Perforation Other (Specify)

Dually Completed Commingled

