

SIDE ONE

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 # 5952
Name Amoco Production Company
Address P.O. Box 432
City/State/Zip Liberal, KS 67905-0432

Purchaser

Operator Contact Person Harry L. Smith
Phone (316) 624-6241

Contractor: License # 5382
Name Cheyenne

Wellsite Geologist: N/A
Phone

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD Temp Abd
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply etc.)

If ~~OWO~~: old well Info as follows:
Operator
Well Name N/A
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable

Spud Date ..12-21-87.. Date Reached TD ..12-29-87.. Completion Date

Total Depth ...2790... PBDT ..2736...

Amount of Surface Pipe Set and Cemented at 801 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set feet
If alternate 2 completion, cement circulated from feet depth to w/ SX cmt
Cement Company Name
Invoice #

API NO. 15-175-20,990-000

County Seward

SW NE NE Sec. 5 Twp. 32S Rge. 33 East West

4030 Ft North from Southeast Corner of Section
1250 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

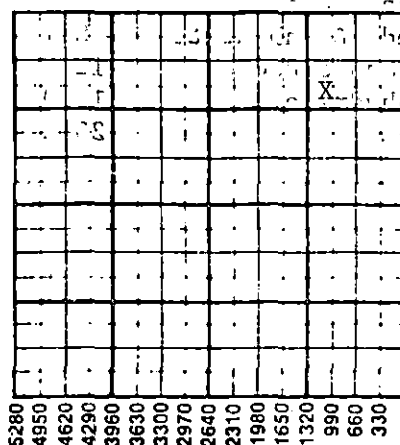
Lease Name Kansas University G.U. Well # 3

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 2843 NB 2852

Section Plat



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 Ft North from Southeast Corner (Well) Ft West from Southeast Corner of Sec Twp Rge East West

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

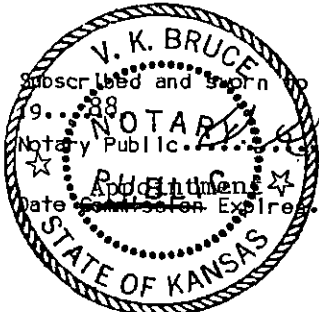
Other (explain) Purchase from Lathan (purchased from city, R.W.D. #)

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 Harry L. Smith

Title Adm. SUPV. Date 7-13-88



Subscribed and sworn to before me this 13th day of July 1988
Notary Public V. K. Bruce

K.C.C. OFFICE USE ONLY
Letter of Confidentiality Attached
STATE CORPORATION COMMISSION
WIRELINE LOG RECEIVED
Time Log Received
Distribution
SWD/Rep NGPA
Plug Other (Specify)
7-15-88
Form ACO-1 (5-86)

7-15-88

Sec. 5 Twp. 32 S. Rge. 33 E.

SIDE TWO

Operator Name Amoco Production Co. Lease Name Kansas University D Well #.3

Sec. 5 Twp. 32S Rge. 33 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

Surface Hole	0	801
Sand, RedBed, & Anhydrite	801	1205
Glorietta Sand & RedBed	1205	1400
RedBed & Anhydrite	1400	2342
Lime & Shale	2342	2800

Formation Description		
Name	Top	Bottom
Herrington	2606	+246
Krider	2643	+209
Winfield	2690	+162
Towanda	2748	+104

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 of Used	Type and Percent Additives
Surface	12-1/4	8-5/8	24	801	65/35 Lite	245	2%CC
Production	7-7/8	5-1/2	15.5	2790	Howco 65/35 Poz Portland	130 410 110	2%CC 4% D-59 4% D-59

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

4	2608-2620	17,000 gal. of wtr x 22,000 lbs	2608-2660
4	2636-2660	of 12-20 SN	
4	2688-2698	5,000 gals. 15% HCL	2688-2698

TUBING RECORD
 Size 2-3/8 Set At 2719 Packer at Liner Run Yes No

Date of First Production W/O Pipeline 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 Open Hole Perforation Sold Other (Specify) Used on Lease Dually Completed Commingled

Production Interval 2608-2698