

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 # 5886
Name Chief Drilling Co. Inc.
Address 905 Century Plaza
Wichita, Ks. 67202
City/State/Zip

Purchaser.....
.....

Operator Contact Person F.W. Shelton Jr
Phone 316-26-23791

Contractor: License # 5883
Name Warrior Drilling Co. #1

Wellsite Geologist Mitch Allen
Phone 316-262-3791

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD Temp Abd
 Gas Inj Delayed Comp.
 Dry
If OWWO: old well info as follows:

Operator,
Well Name,
Comp. Date, Old Total Depth.....

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable

..... <u>10-02-85</u> <u>10-13-85</u> <u>10-13-85</u>
Spud Date	Date Reached TD	Completion Date
<u>4610</u> RTD	<u>NA</u>	
Total Depth	PBTD	
Amount of Surface Pipe Set and Cemented at.....feet		
Multiple Stage Cementing Collar Used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
If yes, show depth set..... <u>NA</u>feet		
If alternate 2 completion, cement circulated from.....feet depth to.....w/.....SX cmt		

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 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.

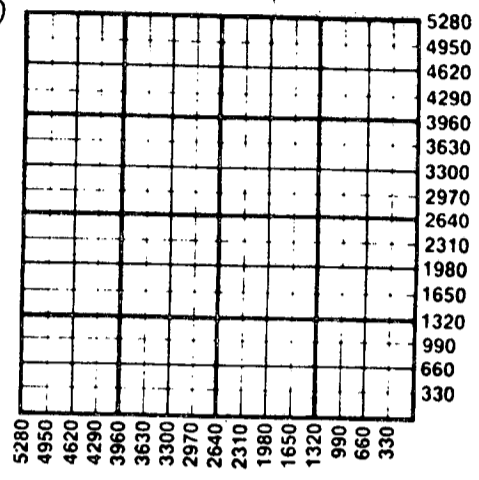
One copy of all wireline logs and drillers time log shall be attached with this form. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

API NO. 15-.....
County..... LOGAN
SW NE NE Sec. 16 Twp. 13S Rge. 33 East
 West

4290 Ft North from Southeast Corner of Section
990 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name..... WARD Well # 1
Field Name.....
Producing Formation.....
Elevation: Ground..... 2952..... 2957 KB.....

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 #.. 21830.....
 Groundwater.....Ft North from Southeast Corner (Well).....Ft West from Southeast Corner of 4 mi. S & 4 mi. W Sec Twp Rge East West of Oakley Irrigation
 Surface Water.....Ft North from Southeast Corner (Stream, pond etc).....Ft West from Southeast Corner Sec Twp Rge East West
 Other (explain)..... William D. Zarr (purchased from city, R.W.D. #)

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 F.W. Shelton, Jr.
Title Vice President Date 10-17-85

Subscribed and sworn to before me this 17th day of October 1985
Notary Public.....
Martha E. Gustin

Date Commission Expires.....

MARSHA E. GUSTIN
NOTARY PUBLIC
STATE OF KANSAS
MY APPT EXPIRES 4-15-89

K.C.C. OFFICE USE ONLY
 Letter of Confidentiality Attached
 Wireline Log Received
 Drillers Time Log Received

Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

Sec 16 Twp 13 Rge 33 N

Operator Name Chief Drilling Co., Inc. Lease Name Ward Well # 1

Sec 16 Twp 13S Rge 33 East West County Logan

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 [X] Yes [] No
Samples Sent to Geological Survey [X] Yes [] No
Cores Taken [] Yes [X] No

Formation Description [X] Log [X] Sample

10-08-85 Drilling @ 3902' DST #1 3885-3956 (Lans. A & 35 z) 30-45-60-60 Rec. 2418' slightly gas cut salt water 36,000 ppm chloride, mud chlorides ppm IFP: 371-866 FFP: 967-1189 IBHP: 1254# FBHP 1254#
10-09-85 4006' and circulating DST #2 3965-4014 (Lans. 70 z) 30-45-60-60 Rec. 1050' SW 64,000 ppm IFP: 110-242 FFP: 319-530 IBHP: 1198# FBHP: 1164#
10-10-85 DST #3 4055-4124 (Lans. 140-160 z) 30-45-60-60 Rec. 40' M, 50,000 ppm chlorides IFP: 110-77 FFP: 99-77 IBHP: 1276# FBHP: 1231#
10-11-85 DST #4 4152-4195 (Lans. 200 z) 30-45-90-60 Rec. 95' MW, w/show of O, 54,000 ppm chlorides IFP: 66-66 FFP: 66-88 IBHP: 1390 FBHP: 1390#
10-12-85 DST #5 4463-4515 (Johnston z) 30-30-30-30 Rec. 10' M, IFP: 66-66 FFP: 66-66 IBHP: 88# FBHP: 77#
10-13-85 Ran E-log T.D. 4610 Plugged w/180 sks of 60-40 posmix 6% gel, 1 sk. of flow seal 1st plug 2430' w/20 sx. 2nd plug 1450' w/100 sx. 1 sx. of flow seal, 3rd plug @ 375' w/40 sx., solid bridge @ 40' w/10 sx 10 sx. in the rat hole, Started @ 4:00 am Completed @ 6:00 am District #6 State Plugger Hays Kansas (Marion Schmidt?)

Table with 2 columns: FORMATION TOPS and E-LOG TOPS. Lists various geological formations like Anhydrite, Wabunsee, Heebner, etc. with their corresponding depths.

CONFIDENTIAL

Well log table showing Sand/Clay, Shale, Anhydrite, and Shale with values 0, 365, 2409, 2432, 4256, 4610.

CASING RECORD [X] New [] Used

Report all strings set-conductor, surface, intermediate, production, etc.

Table with 8 columns: 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. Includes surface data.

PERFORATION RECORD

Acid, Fracture, Shot, Cement Squeeze Record

Table with 4 columns: Shots Per Foot, Specify Footage of Each Interval Perforated, (Amount and Kind of Material Used), Depth. Includes 'RELEASED' stamp.

TUBING RECORD Size Set At Packer at [] Yes [] No

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

Table with 6 columns: Oil, Gas, Water, Gas-Oil Ratio, Gravity. Includes 'Estimated Production Per 24 Hours'.

METHOD OF COMPLETION

Production Interval

Disposition of gas: [] Vented [] Sold [] Used on Lease [] Open Hole [] Perforation [] Other (Specify) [] Dually Completed [] Commingled

RECEIVED STATE CORPORATION COMMISSION

OCT 2 1987