

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISIONWELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: License # 8925
 Name Liberty Operations & Completions
 Address 308 West Mill Inc.
 City/State/Zip Plainville, Ks 67663

Purchaser.....

Operator Contact Person Charles G. Comeau
 Phone 913-434-4686

Contractor: License # 5665
 Name Pioneer Drilling Company

Wellsite Geologist Greg Issinghoff
 Phone 913-628-3503

Designate Type of Completion

☒ New Well ☐ Re-Entry ☐ Workover

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

If OWWO: old well info as follows:

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

WELL HISTORY

Drilling Method:

☒ Mud Rotary ☐ Air Rotary ☐ Cable

4-23-85 4-30-85 4-30-85
 Spud Date Date Reached TD Completion Date
 3985'
 Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 8 5/8" @ 255' 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

API NO. 15-051-24,192-00-00

County Ellis

SE NW NW Sec. 31 Twp. 13s Rge. 20 ☐ East ☒ West

4290..... Ft North from Southeast Corner of Section
 4290..... Ft West from Southeast Corner of Section

(Note: Locate well in section plat below)

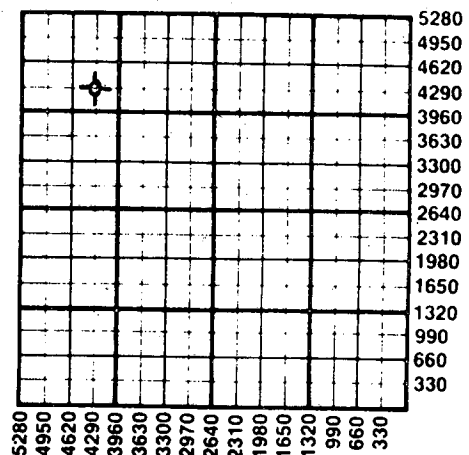
Lease Name Kroeger Well # 1

Field Name.....

Producing Formation.....

Elevation: Ground 2273' KB 2278'

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) City of Ellis
 (purchased from city, R.W.D. #)

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.

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 Charles G. Comeau
 Title Petroleum Geologist Date 5-8-85

Subscribed and sworn to before me this 8th day of May 1985
 Notary Public Jolene Garvert

Date Commission Expires 3-9-88

K.C.C. OFFICE USE ONLY

F ☐ Letter of Confidentiality Attached
 C ☒ Wireline Log Received
 C ☒ Drillers Timelog Received

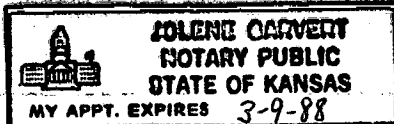
Distribution

☒ KCC ☐ SWD/Rep ☐ NGPA
☒ KGS ☐ Plug ☐ Other
 (Specify)

RECEIVED

STATE CORPORATION COMMISSION

Form ACO-1 (7-84)



MAY 09 1985
 05-09-1985
 CONSERVATION DIVISION
 Wichita, Kansas

Sec 31, Twp 13, Rge 20

SIDE TWO

Operator Name Liberty Operations and Completions, Inc. Lease Name Kroeger Well # 1Sec. 31 Twp. 13S Rge. 20 ☐ East ☒ West County Ellis

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: 3754-3784/30-60-30-60. Weak blow 1st and 2nd opens. IHP 2024, IFP 33-41, ISIP 759, FFP 41-41, FSIP 750, FHP 2011. Rec. 40' watery mud.

DST #2: 3925-3945/30-60-60-60. Fair blow both opens. IHP 2140, IFP 50-66, ISIP 850, FFP 91-125, FSIP 759, FHP 2121. Rec. 280' muddy water with scum of oil on top of tool.

LOG TOPS

Anhydrite	1610	(+666)
Topeka	3296	(-1020)
Heebner	3535	(-1259)
Toronto	3553	(-1277)
Lansing/KC	3574	(-1298)
Base/KC	3820	(-1544)
Marmaton	3874	(-1598)
Arbuckle	3930	(-1654)

Name	Top	Bottom
postrock	0'	20'
shale and sand	20'	256'
shale and sand	256'	1105'
shale and sand	1105'	1615'
anhydrite	1615'	1662'
shale	1662'	1674'
shale	1674'	1845'
shale	1845'	2120'
shale	2120'	2495'
shale	2495'	2685'
shale and lime	2685'	2960'
lime and shale	2960'	3215'
lime and shale	3215'	3340'
lime and shale	3340'	3495'
lime and shale	3495'	3615'
lime and shale	3615'	3690'
lime and shale	3690'	3775'
lime and shale	3775'	3784'
lime and shale	3784'	3795'
lime and shale	3795'	3895'
lime and shale	3895'	3945'
arbuckle	3945'	3975'
arbuckle	3975'	3985'
	3985'	R.T.D.

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 Casing	12 1/4"	8 5/8"	20#	255'	60-40pos	140	2%gel 3%cc

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

Gas

Water

Gas-Oil Ratio

Gravity

Bbls

MCF

Bbls

CFPB

METHOD OF COMPLETION

Production Interval

Disposition of gas: ☐ Vented
☐ Sold
☐ Used on Lease

☐ Open Hole ☐ Perforation
☐ Other (Specify)

☐ Dually Completed