

ORIGINAL SIDE ONE

2-9-91
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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 # 5364
name BEREN CORPORATION
address 970 Fourth Financial Center
City/State/Zip Wichita, KS. 67202

Operator Contact Person Evan Mayhew
Phone 316-265-3311

Contractor: license # 5147
name BEREDCO INC.

Wellsite Geologist Sam Houston
Phone

PURCHASER Central Crude

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
10/17/88 10/26/88 11-23-88
Spud Date Date Reached TD Completion Date

4766' 4740'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 368' feet

Multiple Stage Cementing Collar Used? Yes No

If Yes, Show Depth Set 2686 feet

If alternate 2 completion, cement circulated from 2673 feet depth to surface w/ 650 SX cmt

CONFIDENTIAL

API NO. 15-109-20,468-0000
County Logan FROM CONFIDENTIAL
100' SE
S/2 NW NE Sec 3 Twp 12 Rge 34W West
4220 Ft North from Southeast Corner of Section
1910 Ft West from Southeast Corner of Section
(Note: locate well in section plat below)

Lease Name ELAINE Well# 4

Field Name

Producing Formation Kansas City

Elevation: Ground 3210 KB 3215

Section Plat

Section Plat grid with elevations: 5280, 4950, 4620, 4290, 3960, 3630, 3300, 2970, 2640, 2310, 1980, 1650, 1320, 990, 660, 330

RECEIVED

STATE CORPORATION COMMISSION

2-9-89
FEB 9 1989

CONSERVATION DIVISION
Wichita, Kansas

KANSAS GEOLOGICAL SURVEY

MAR 01 1989

ALT II
1-23-91

WATER SUPPLY INFORMATION

Source of Water: hauled
Division of Water Resources Permit #
 Groundwater Ft North From Southeast Corner and (Well) Ft. West From Southeast Corner of Sec Twp Rge East West
 Surface Water Ft North From Southeast Corner and (Stream, Pond etc.) Ft West From Southeast Corner Sec Twp Rge East West
 Other (explain)
(purchased from city, R.W.D.#)

Disposition of Produced Water: Disposal Repressuring
Docket # E-25, 511

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. Rules 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 Evan C Mayhew
Title District Engineer Date

Subscribed and sworn to before me this 7th day of February 19 89

Notary Public Laurie I. Noble
Date Commission Expires 6/27/92

Laurie I. Noble
Notary Public - State of Kansas
My Appt. Expires 6/27/92

K.C.C. OFFICE USE ONLY
 Letter of Confidentiality Attached
 Wireline Log Received
 Drillers Timelog Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify)

Form ACO-1 (7-84)

Sec 3 Twp 12 Rge 34W

SIDE TWO

Operator Name Beren Cororation Lease Name ELAINE Well# 4 SEC 3 TWP. 12 RGE. 34W East West

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 - 4271-4308, 60 (60) 45 (45). KC "H" & "G".
 Rec. 95' MW. Chl. 30,000 ppm. FP's 20-40, 60-71.
 IBHP 1263, FBHP 1234.

Name	Top	Bottom
Shale/sand	0	371'
Shale	371	2290'
Lime/shale/anh.	2290	2730'
Lime/shale	2730	3760'
shale	3760	3976'
Lime/shale	3976	4390'
Lime	4390	4510'
Lime/shale	4510	4745'
Mississippi	4745	TD

DST #2 - 4310-4345, KC "I". Rec. 100' MW. Chl. 38,000 ppm. FP's 30-50, 71-71. IBHP 707, FBHP 687.

DST #3 - 4350-4390, KC "K". Rec. 2' oil, 30' mud, 460' W w/oil spots. Chl. 30,000 ppm. FP's 30-111 142-203. IBHP 976, FBHP 956.

DST #4 - 4662-4745. Rec. 180' OCWM (30% oil, 30% water), 630' mud. Chl. 32,000. Pressure & recovery: invalid, had leak by packers.

DST #5 - 4678-4745, 45 (45) 45 (45). Rec. 460' OCWM (10% oil, 40% water), 1318' OCW (5% oil). Chl. 40,000. FP's 101-637, 677-876. IBHP 1005, FBHP 1005.

RECORDED

FEB 28 1981

FROM CONFIDENTIAL

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	12 1/2"	8-5/8"	23	368	60/40 Poz	250	2% gel, .3% cc.
Production	7 7/8"	4-1/2"	10.5#	4765'	60/40 Poz	225	2% gel, .10% salt
	10% gilsonite, 3/4 of 1% 322		2nd stg	2686	Lite	650	None
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
shots per foot	specify footage of each interval perforated			(amount and kind of material used)		Depth	
4	4321-24, 4328-34			750 gals. 15% HCL		4321-34	
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
size 2 3/8 set at 4700 packer at None							
Date of First Production	Producing method <input type="checkbox"/> flowing <input checked="" type="checkbox"/> pumping <input type="checkbox"/> gas lift <input type="checkbox"/> Other (explain)						
11-23-88							
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio		Gravity	
64 Bbls	0 MCF	16 Bbls	CFPB	35°			

Disposition of gas: vented sold used on lease

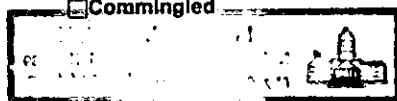
METHOD OF COMPLETION

open hole perforation other (specify)

PRODUCTION INTERVAL

4321-34

Dually Completed. Commingled



SECRET

28001

FROM CONFIDENTIAL

Elaine #4
Sec. 3-12S-34W
Logan Co., KS
15-109-20, 468-0000

FORMATION TOPS

Heebner	4090
Marmaton	4448
Pawnee	4552
Ft. Scott	4610
Cherokee	4641

FEB 1961

FEB 1961