

COPY

SIDE TWO

Operator Name KC Crude, Inc. Lease Name Waters Well # 1-B
 Sec. 14 Twp. 22 Rge. 23 East West
 County Linn

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
 (Attach Additional Sheets.)
 Samples Sent to Geological Survey Yes No
 Co. taken Yes No
 Electric Log Run Yes No
 (Submit Copy.)

Formation Description

Log Sample

Name	Top	Bottom
Marmaton	surface	198'
Pennsylvanian	198	
M. Bartholville Snd	458	469

NOV 28 1990
 CONSERVATION DIVISION
 Wichita, Kansas

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	9"	6 5/8"		20'	Construct	3	
Production	6 1/8"	2 7/8"	6.5	469'	Construct	44	

PERFORATION RECORD

Specify Footage of Each Interval Perforated

Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth

Intervals Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
Open hole	460-469	Nil	

TUBING RECORD

Size Nil Set At _____ Packer At _____ Liner Run Yes No

Date of First Production 11/8/90 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		167 Open flow	Nil		

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

Vented Sold Used on Lease (If vented, submit ACO-18.)
 Open Hole Perforation Dually Completed Commingled
 Other (Specify) _____

460-469'

NOV 28 1990

14-22-23E

TOWN OIL COMPANY

"Drilling and Production"

913-294-2125

Route 4
Wichita, Kansas 66071

Well #1-B
Farm: Waters

WELL LOG

Thickness of Strata	Formation	Total Depth
0-15	Soil & clay	15
7	Lime	22
5	Shale	27
2	Lime	29
5	Lime	34
5	Lime	39
1	Shale	40
7	Shale	47
7	Sandy shale	54
6	Shale	60
34	Shale	94
1	Coal	95
4	Shale	99
19	Lime	118
3	Sand	121
8	Shale	129
4	Lime	133
2	Coal	135
3	Shale	138
8	Sand/shale	148
29	Shale	175
20	Lime	195
3	Coal	198
2	Shale	200
3	Shale	203
3	Lime	206
4	Shale	210
2	Sand	212
31	Shale	243
3	Sand	246
7	Sand	253
20	Shale	273
2	Lime	275
11	Shale	286
1	Coal	287
2	Shale	289
21	Shale	310
2	Slate	312
50	Shale	362
1	Shale	363
2	Lime	365
2	Coal	367
10	Shale	377
2	Sand	379
6	Shale	385
2	Slate	387
4	Slate	391
4	Sand	395

CONSERVATION DIVISION
Wichita, Kansas

NOV 28 1970

MAY 28 1970

14-22-23E

COPY

Well #1-B
Farm: Waters

WELL LOG (cont'd)

Thickness of Strata	Formation	Total Depth
18	Shale	413
2	Sand	415
3	Shale	418
2	Sand	420
15	Sandy shale	435
20	Shale	455
2	Shale	457
2	Sand	459
1	Sand	460
2.5	Shale	462.5
2.5	Sand	465
2	Sand	467
2	Sand	469 TD

STATE OF KANSAS

NOV 10 1929

CONSERVATION DIVISION
Wichita, Kansas

NOV 28 1929