

SIDE TWO

Operator Name K C Crude, Inc.Lease Name WatersWell # 3-Bec. 11 Twp. 22 Rge. 23 ☒ East
☐ WestCounty 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 temperatures, 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
(Attach Additional Sheets.)☐ Yes ☒ No

Samples Sent to Geological Survey

☐ Yes ☒ No

Cores Taken

☒ Yes ☐ NoElectric Log Run
(Submit Copy.)☒ Yes ☐ No

Core #1 62.5-66.5(4') 1' coal, 3' shl

Core #2 100-105(5') 2' coal, 2' shale,

1' sandy shale

Core #3 160.5-177.5(17) 1.8' shale,

.4 coal, 4.8' shale, 3.5' lime, 1' coal, 3.5' shale

Formation Description

☒ Log ☐ Sample

Name	Top	Bottom
Lexington Coal	100	102
Base Fort Scott		
Summit Coal	162	165
M. Bartlesville	444	450
Mississippi	493'	

RECEIVED
BUREAU OF MINES
CORPORATION COMMISSION

NOV 4 1991

CONSERVATION DIVISION
Wichita Falls

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'	Constr.	3	
Production	5 7/8"	2 3/8"	4.7	96'	Constr.	15	

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

Nil

Date of First Production

Producing Method

9/21/90

☒ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain)Estimated Production
Per 24 Hours

Oil

Bbls.

0

Gas

Mcft

12

Water

Bbls.

0

Gas-Oil Ratio

Gravity

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

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

96-276'

COPY

11- 22 - 23E

Core #4 276-281', (5') 1' limey black shale, 3' black shale & coal, 1' shale

Core #5 334-341 (7') 1' shale, 1.5 coal, 4' shale, .5' coal

Core #6 426-441 (15') 4' dark grey shale, 2' coal, .5' dark shale, 8.5' laminated sand

Core #7 445-465.4 (20.4') 5.5' sand, 2.5' laminated sand- oil stained, 7.5' laminated sand - some oil stain, 1.2' coal, 3.8' grey shale

11-22-23E

TOWN OIL COMPANY

"Drilling and Production"

913-294-2125

Route 4
Pola, Kansas 66071

Well #3-B
Farm: Waters

WELL LOG

Thickness of Strata	Formation	Total Depth
2	Soil	2
6	Lime	8
35	Shale	43
4	Sand	47
5	Shale	52
10.5	Shale dk.	62.5
1	Coal	63.5
3	Shale	66.5
2	Shale	68.5
15.5	Lime	83
1	Shale	84
1	Lime shell	85
2	Sand	87
9	Shale	96
4	Lime	100
2	Coal	102
1	Shale	103
3	Sandy shale	106
9	Sand/shale	115
26	Shale	141
19.5	Lime	160.5
1.5	Shale	162
2.5	Coal	164.5
4.5	Shale	169
3	Lime	172
.5	Coal	172.5
10.5	Sandy shale	183
18	Shale	211
8	Sand	219
19	Shale	238
2	Lime	240
13	Shale	253
1	Coal	254
2	Shale	256
19	Shale	275
1	Lime	276
.5	Slate	276.5
1	Shale	277.5
2.7	Shale	280.2
4.8	Shale	285
4	Sand	289
53	Shale	332
2	Lime	334
1	Shale	335
2	Coal	337
3.5	Shale	340.5

COPY

11-22-23E

Well #3-B
Farm: Waters

WELL LOG (cont'd)

Thickness of Strata	Formation	Total Depth
.5	Coal	341
4	Shale	345
1	Shale/shell	346
3	Sand	349
4.5	Shale	353.5
3	Slate	356.5
1.5	Sandy shale	358
3	Sand	361
12	Shale	373
1	Coal	374
1	Sand	375
4	Sandy shale	379
3	Sand	382
1	Shell	383
2	Sand	385
4	Shale	389
1	Shale/shell	390
1	Shell	391
2	Sand	393
1	Sand	394
5	Shale dk.	399
1	Shell	400
4	Shale	404
4	Shale/shell	415
2	Lime	417
9	Shale/shell	426
4	Shale/shell	430
2	Coal	432
9	Sand	441
1	Sand	442
2	Sand	444
1	Sand	445
5.5	Sand	450.5
8	Sand	458.5
2	Sandy shale	460.5
1.5	Coal	462
3	Shale	465
20	Shale	485
6	Shale	491
1	Coal	492
1	Shale	493
1	Lime	494 TD