

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 # 5734
Name Culver Grounds Oil Properties
Address 1432 Ranch Rd
McPherson, Ks
City/State/Zip 67460

Purchaser: Conoco
Box 1267 Ponca City, Ok 74003

Operator Contact Person Loretta Culver
Phone 316-241-1179

Contractor: License # 5927
Name Blackstone Drilling, Inc.

Wellsite Geologist Donald J. Melland
Phone 316-241-7909

Designate Type of Completion
 New Well Re-Entry Workover

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

If OWNO: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth.....

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable

5/31/84 6/4/84 6/6/84
Spud Date Date Reached TD Completion Date

3340
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 219 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. 15-159-21,813-0000

County Rice

N/2 NE qtr Sec 2 Twp 20 Rge 6 East West

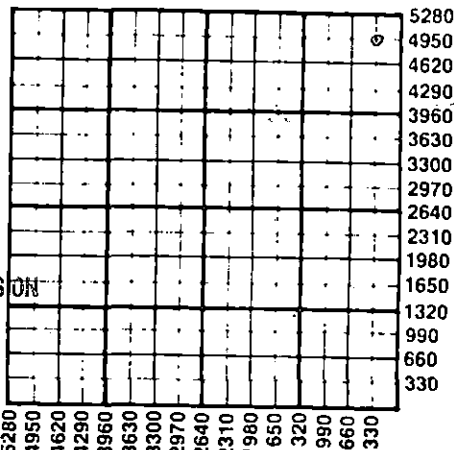
4950 Ft North from Southeast Corner of Section
330 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Knackstedt A Well # 1

Field Name Bornholdt

Producing Formation Mississippi

Elevation: Ground 1549 KB 1554
Section Plat KE-KL



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WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal Repressuring
Docket #

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 1320 N Ft North from Southeast Corner
(Stream, pond etc) 4280 Ft West from Southeast Corner
SW/4 Sec 18 Twp 20 Rge 5 East West

Other (explain).....
(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 V.C. Culver

Title Pres. Date 11-16-84

Subscribed and sworn to before me this 16th day of November 1984

Notary Public Nancy J. Sager

Date Commission Expires NANCY J. SAGER

NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. July 8, 1985

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)

Sec. 2 Twp 20 Rge 6 W

Operator Name Culver Grounds Oil Properties Lease Name Knackstedt Well # 1

Sec. 2 Twp. 20 Rge. 6 East West County Rice

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

Name Top Bottom

Drilling Log Attached

CASING RECORD <input type="checkbox"/> New <input checked="" 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 Casing	12 $\frac{1}{4}$	8 5/8	15#	219	Portland	130	3% Gal. Chloride
		5 $\frac{1}{2}$	15#	3339	Portland	75	Pozmix
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
8	3257 to 3299			2000 gal acid 15%			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Production		Size <u>2 7/8</u>		Set At <u>3265</u>		Packer at <u>none</u>	
June 84		Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....					
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio		Gravity	
16	Bbls	MCF	25	Bbls CFPB		35	

METHOD OF COMPLETION

Production Interval

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

DONALD J. MELLAND * PETROLEUM GEOLOGIST

401 Peoples Bank Building * Post Office Box 783 * McPherson, Kansas 67460
Office (316) 241-7907 * Residence (316) 241-4582

G E O L O G I C A L R E P O R T

Culver & Grounds
Knackstedt # 1
NE NE NE, Sec. 2-20-6W
Field: Bornholdt
Rice County, Kansas

June 6, 1984
Elevation: 1554 KB
Conn: 5/31/84; Comp: 6/6/84
Casing: 8-5/8" @ 219'/130bx.
5-1/2" @ 3339'/75ex.

F O R M A T I O N T O P S

Mississippian	3250 (-1696)
RTD	3340 (-1786)

Cores: None

Drill Stem Tests: None

Electrical Logs: None

Gas Detector: None

Measurements: Were taken from kelly bushing, 5 feet above ground level.

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F O R M A T I O N S U M M A R YMISSISSIPPIAN

3250-3260 Chert: white, leached with a small amount of sharp, poor and fair porosity in leached chert, show of oil, show of gassy oil, faint odor.

3260-3285 Chert: white and buff, mottled, sharp and leached, poor and fair porosity, some oolitic chert from 3268 feet to 3272 feet with fair and good vugular porosity, show of oil, show of gassy oil, some oil lacks life, faint odor. This zone and the above zone should be evaluated on a GRN log and tested through perforations.

C
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3285-3300 Chert as above with a decrease in porosity, show of oil, show of black residual oil, faint odor. This zone should be evaluated on a log and considered for testing.

3300-3315 Chert: white to buff, sharp, poor porosity, show of dead oil, very faint odor. This zone does not warrant testing.

RECOMMENDATIONS

It is recommended that casing be set at a depth of 3339 feet and the recommended zones tested.

Respectfully submitted,

Donald J. Melland

DJM/f

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15.159.21813.0006

DRILLING TIME

Culver & Grounds
Knackstedt # 1

Sec. 2-20-6W
NE NE NE

Elevation: 1554 KB
Rice County, Kansas

Depth	Time					Remarks									
2600-2610	1	1	1	1	1	1	1	1	2	3					
20	3	3	3	3	3	2	2	2	3	3					
30	2	2	2	2	2	2	2	2	2	2					
40	2	2	2	1	2	2	2	3	2	1					
50	2	2	2	1	2	2	2	2	1	2					
60	2	1	2	2	2	1	2	2	2	2					
70	2	2	2	3	2	1	2	1	1	1					
80	2	1	1	1	2	2	2	1	1	2					
90	1	1	1	2	2	1	1	1	1	2					
2690-2700	2	1	1	1	2	1	2	1	1	2					
10	2	3	3	3	4	4	4	4	2	2					
20	2	2	2	2	2	1	2	2	2	2					
30	5	5	5	3	4	2	2	3	3	3					
40	2	3	2	3	2	2	2	2	3	3					
50	4	4	4	4	3	4	3	4	3	3					
60	4	3	5	5	5	4	3	2	3	4					
70	2	3	2	2	3	3	2	2	3	3					
80	3	3	4	4	4	4	3	4	3	4					
90	3	4	4	4	4	3	4	3	4	3					
2790-2800	3	4	3	3	3	2	1	5	4	4					
10	4	5	6	5	3	2	2	1	3	3					
20	4	5	5	4	5	5	5	3	3	1					
30	1	1	1	3	4	4	2	1	1	1					
40	1	1	1	1	4	4	4	4	1	2					
50	2	4	4	4	4	4	4	4	4	4					
60	1	1	4	4	4	4	4	4	1	2					
70	2	1	2	1	2	1	2	2	3	2					
80	2	1	2	2	1	2	2	3	4	2					
90	2	3	3	3	3	3	3	3	3	3					
2890-2900	4	4	4	4	5	4	5	4	5	4					
10	5	4	4	4	4	4	2	2	2	2					
20	2	3	3	4	3	3	3	3	3	3					
30	2	3	3	4	4	4	4	4	5	4					
40	4	5	4	4	4	4	4	4	4	5					
50	5	5	5	5	4	5	4	3	3	3					
60	2	4	4	4	3	5	4	5	5	5					
70	3	3	2	2	1	2	1	2	2	2					
80	2	2	3	3	2	2	1	2	2	2					
90	2	2	3	3	3	4	4	4	4	4					
2990-3000	4	4	3	4	3	4	4	4	4	4					

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Depth	Time										Remarks
3000-3010	3	3	3	3	3	3	3	3	3	4	
20	2	2	2	2	2	2	3	4	5	5	
30	6	6	6	6	6	7	6	7	7	7	
40	6	7	7	6	6	3	5	6	5	6	
50	9	8	7	8	9	9	9	6	4	6	
60	6	6	5	6	6	6	5	5	6	5	
70	6	6	7	7	6	3	4	4	2	5	
80	4	3	3	6	5	6	4	6	4	5	
90	6	4	4	5	7	9	6	5	7	5	
3090-3100	4	4	5	4	3	3	3	3	4	8	
10	7	5	5	3	5	4	3	4	5	5	
20	5	7	9	9	11	9	9	8	8	9	
30	9	9	9	7	5	6	6	5	6	6	
40	4	6	5	6	6	5	5	7	5	5	
50	7	4	4	3	2	3	2	7	4	5	
60	5	5	5	5	9	5	5	6	8	7	
70	8	8	6	5	5	4	2	3	4	6	
80	6	6	6	4	5	3	3	7	7	6	
90	8	8	8	9	8	8	6	6	6	4	
3190-3200	3	3	7	9	8	5	5	7	7	8	
10	10	11	10	5	6	7	7	5	6	5	
20	5	7	10	6	10	11	10	10	10	9	
30	8	8	6	5	9	7	3	7	9	7	
40	7	5	4	5	4	8	6	6	6	7	
50	9	9	8	9	9	8	8	7	9	10	
60	5	1	2	1	1	1	1	2	2	2	
70	3	4	2	2	2	2	2	2	2	2	
80	2	2	3	2	2	3	3	3	2	2	
90	3	2	3	2	3	2	3	2	1	2	
3290-3300	2	2	2	2	1	2	1	2	2	3	
10	3	3	3	3	3	3	3	3	2	3	
20	2	3	2	2	2	4	7	9	12	12	
30	12	12	9	11	10	11	10	9	8	6	
3330-3340	8	10	9	10	10	9	7	8	5	6	

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Trip @ 3235'

Circ. @ 3340'

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