

AMENDED ACO-1
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 # 5068
Name Thomas E. Black
Address 527 Union Center
City/State/Zip Wichita, Ks. 67202

Purchaser Koch Oil Company
Wichita, Kansas

Operator Contact Person Thomas E. Black
Phone 316-264-9342

Contractor: License # 5110
Name B & B Drilling, Inc.

Wellsite Geologist Mack Armstrong
Phone 722-5141

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

6-8-85 Spud Date 6-16-85 Date Reached TD 7-01-85 Completion Date
4090' Total Depth PBT

Amount of Surface Pipe Set and Cemented at 263' feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set
If alternate 2 completion, cement circulated from 0 feet depth to 263' w/ 175 SX cmt

API NO. 15-065-22,198-00-00
County Graham
NE NE NE Sec. 21 Twp. 9S Rge. 24W 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)

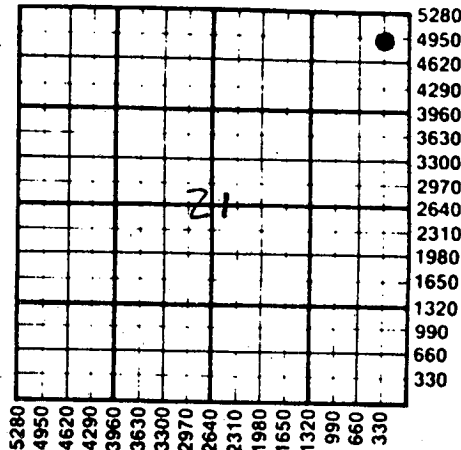
Lease Name Hurlbut Well # 4

Field Name Hurlbut

Producing Formation Lansing-Kansas City

Elevation: Ground 2509 KB. 2517

Section Plat



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 (Well) Ft North from Southeast Corner
Ft West from Southeast Corner
Sec Twp Rge East West
- Surface Water (Stream, pond etc) Ft North from Southeast Corner
Ft West from Southeast Corner
Sec Twp Rge East West
- Other (explain) Water hauled (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 Thomas E. Black
Title Thomas E. Black, Owner Date 6/24/85

Subscribed and sworn to before me this 24th day of June 1985
Notary Public Martha C. Nussbaum
Date Commission Expires February 19, 1986

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)



4-24-87 - no plugging report
4-24-87 - Sec. said it was done & she will send info. Marsha

JAN 21 1986

CONSERVATION DIVISION

Operator Name Thomas E. Black Lease Name..... Hurlbut Well #..... 4

Sec..... 21 Twp..... 9S Rge..... 24W East West County..... Graham

WELL LOG

INSTRUCTIONS: Show important top 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
Anhydrite	2156	+ 353
Base Anhydrite	2190	+ 319
Topeka	3589	-1080
Heebner	3803	-1294
Toronto	3828	-1319
Lansing	3845	-1336
B/KC	4062	-1553
ELTD	4089	-1580
RTD	4090	-1581

ST #1 3866-84' 30-30-30-30; rec. 5' OSptdM; FP: 45/34#; BHP: 79/57#
 ST #2 3882-3900' 30-30-60-60; Rec. 300' GIP; 35MCO; 65" ClGO; FP: 34/57# BHP: 159/159#
 ST #3 3906-21' 30-30-30-30; Rec. 5' Mw/OSpots; FP: 22/11#; BHP: 45/22#
 ST #4 3904-31' 30-30-60-60; Rec. 150' OM; FP: 40/70# BHP: 330/330#

CASING RECORD <input checked="" 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 Production		8 5/8" 4 1/2"	20# 10.5#	263' 4087'	Common	175	3% C.C., 2% gel
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	3921-3924			20 gal. 15% mud acid.		3924'	
4	3882-3884			20 gal. 15% mud acid.		3900'	
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Production		Size	Set At	Packer at			
7-01-85		2 3/8	3884	3896			
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).....					
Estimated Production Per 24 Hours		Oil	Gas	Water	Gas-Oil Ratio	Gravity	
		40 Bbls	MCF	20 Bbls	CFPB		

METHOD OF COMPLETION

Production Interval

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

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Well Name
Comp. Date Old Total Depth

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..6-8-85.... ..6-16-85.... ..7-01-85....
Spud Date Date Reached TD Completion Date

4090'
Total Depth PBSD

Amount of Surface Pipe Set and Cemented at 263' feet
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If yes, show depth set.....feet

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from 0 feet depth to 263' w/ 175 SX cmt

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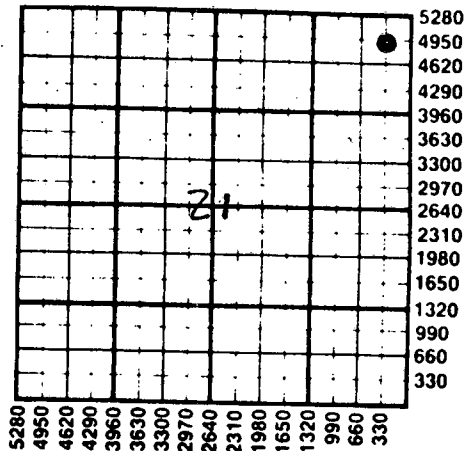
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Division of Water Resources Permit #

Groundwater.....Ft North from Southeast Corner (Well)Ft West from Southeast Corner of Sec Twp Rge East West

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CONSERVATION DIVISION

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Signature Thomas E. Black

Title Thomas E. Black, Owner Date 6/29/85

Subscribed and sworn to before me this 24th day of June 1985

Notary Public Martha C. Nussbaum

Date Commission Expires February 19, 1986

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)



SIDE TWO

Operator Name Thomas E. Black Lease Name Hurlbut Well # 4 ..

Sec. 21 Twp. 9S Rge. 24W East West County Graham

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7-01-85		<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....					
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