

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 # 4689
Name Thomas C. Lutz
Address P. O. Drawer AR
City/State/Zip Shell Knob, Missouri 65747

Purchaser: Kock Oil Company
Wichita, Kansas

Operator Contact Person H. L. Maddox/ Tom Lutz
Phone 316-653-4178/417-858-3792

Contractor: License # 5302
Name Red Tiger Drilling Company

Wellsite Geologist: Rod Tremblay
Phone (913) 625-5434

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

7/24/87 8/1/87 9/28/87
Spud Date Date Reached TD Completion Date
4,560'
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 323.01 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set feet
If alternate 2 completion, cement circulated from 2200 feet depth to surface w/ 350 SX cmt

API NO. 15-135-23,136-000

County Ness

S/2 SW/4 NW/4 13 16S 26W East
Sec..... Twp..... Rge..... West

2970 Ft North from Southeast Corner of Section
4620 Ft West from Southeast Corner of Section

(Note: Locate well in section plat below)

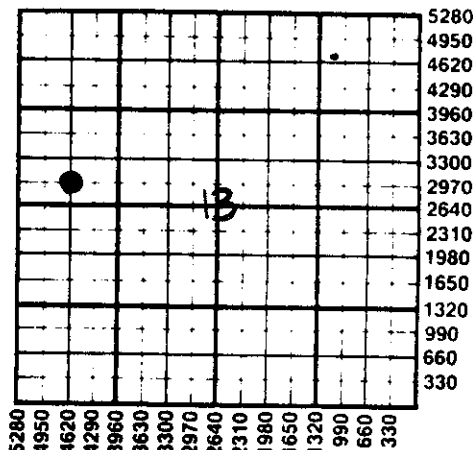
Lease Name Evel "C" Well # 1

Field Name ARNOLD SW

Producing Formation Mississippi

Elevation: Ground 2553 KB 2558

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # Repressuring

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 3100 Ft North from Southeast Corner (Stream, pond etc) 2700 Ft West from Southeast Corner Sec 13 Twp 16S Rge 26 East West

Gary Evel, Utica, Ks. 67584
 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

Title OWNER/OPERATOR Date 12/17/87

Subscribed and sworn to before me this 17th day of December 1987

Notary Public Glen Steven Hutton

Date Commission Expires Aug 16, 1988

Glen Steven Hutton, Notary Public
State of Kansas
My Commission Expires August 16, 1988

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

12-21-87
Form ACO-1 (7-84)

Sec 13 Twp 16S Rge 26W

SIDE TWO

Operator Name Tom C. Lutz Lease Name Evel "C" Well # 1

Sec. 13 Twp. 16S Rge. 26W East West County Ness

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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No	Formation Description <input type="checkbox"/> Log <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:50%;">Name</th> <th style="width:25%;">Top</th> <th style="width:25%;">Bottom</th> </tr> </thead> <tbody> <tr><td>ANHYDRITE</td><td>1963</td><td>+596</td></tr> <tr><td>HEEBNER</td><td>3833</td><td>-1275</td></tr> <tr><td>TORONTO</td><td>3849</td><td>-1291</td></tr> <tr><td>LANSING</td><td>3875</td><td>-1317</td></tr> <tr><td>STARK</td><td>4122</td><td>-1564</td></tr> <tr><td>BASE K.C.</td><td>4178</td><td>-1620</td></tr> <tr><td>MARMATON</td><td>4213</td><td>-1655</td></tr> <tr><td>PAWNEE</td><td>4316</td><td>-1758</td></tr> <tr><td>FORT SCOTT</td><td>4384</td><td>-1826</td></tr> <tr><td>CHEROKEE</td><td>4415</td><td>-1857</td></tr> <tr><td>CONGLOMERATE</td><td>4449</td><td>-1891</td></tr> <tr><td>MISSISSIPPI</td><td>4485</td><td>-1927</td></tr> <tr><td>MISSISSIPPI DOLO</td><td>4494</td><td>-1936</td></tr> <tr><td>R.T.D.</td><td>4560</td><td>-2002</td></tr> <tr><td>L.T.D.</td><td>4562</td><td>-2004</td></tr> </tbody> </table>	Name	Top	Bottom	ANHYDRITE	1963	+596	HEEBNER	3833	-1275	TORONTO	3849	-1291	LANSING	3875	-1317	STARK	4122	-1564	BASE K.C.	4178	-1620	MARMATON	4213	-1655	PAWNEE	4316	-1758	FORT SCOTT	4384	-1826	CHEROKEE	4415	-1857	CONGLOMERATE	4449	-1891	MISSISSIPPI	4485	-1927	MISSISSIPPI DOLO	4494	-1936	R.T.D.	4560	-2002	L.T.D.	4562	-2004
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FORT SCOTT SECTION
 DRILL STEM TEST #1 4384-4415

OPEN: IF 45"
 FF 45"

Blow: Strong GTS 8" into initial shut in.

Recovery: 60' Gassy muddy oil
 1500' very gassy oil

Presures: ISIP 1097 psi (45")
 FSIP 1038 psi (45")
 IFP 136-455 psi
 FFP 485-666 psi
 HSH 2188-2169 psi

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	12 1/4"	8 5/8"	23#	331'	60/40 Poz	220	2% Gel, 3% CC
Production	7 7/8"	5 1/2"	14#	4,559'	60/40 Poz	200	20 Bbl salt Flush, Super Flush K, 2% Gel 10% Salt 3/4% CFR2
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
2 spf	4494-4498						
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First Production	Size	Set At	Packer at				
10/15/87	2 3/8	4396					
Date of First Production 10/15/87 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		
	10 Bbls	MCF	3 Bbls	CFPB			

METHOD OF COMPLETION Production Interval

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