

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

API NO. 15-135-23,245-0060
County Ness
SW/4 SW/4 SE/4 13 16S 26W East
Sec. Twp. Rge. X West

Operator: License # 4689
Name Thomas C. Lutz
Address Drawer AR
City/State/Zip Shell Knob, MO 65747

330 Ft North from Southeast Corner of Section
2310 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Purchaser Koch Oil Company
Wichita, Kansas

Lease Name Evel Well # 2
Field Name Arnold SW

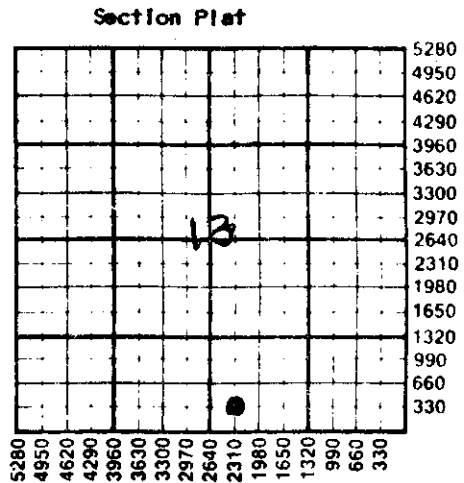
Operator Contact Person H.L. Maddox Tom Lutz
Phone 316-653-4178 417-858-3792

Producing Formation Mississippi
Elevation: Ground 2572 2577 KB

Contractor: License # 5302
Name Red Tiger Drilling Company

Wellsite Geologist Rod Trambly
Phone 913-625-5434

Designate Type of Completion
X New Well Re-Entry Workover
X Oil SWD Temp Abd
Gas Inj Delayed Comp.
Dry Other (Core, Water Supply etc.)



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

WATER SUPPLY INFORMATION
Disposition of Produced Water: Disposal
Docket # Repressuring

WELL HISTORY

Drilling Method:
X Mud Rotary Air Rotary Cable

5/8/88 5/14/88 5-24-88
Spud Date Date Reached TD Completion Date
4,590'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 344 feet
Multiple Stage Cementing Collar Used? Yes X No
If yes, show depth set feet
If alternate 2 completion, cement circulated from 2000 feet depth to 0 w/ 350 SX cmt
Cement Company Name Halliburton
Invoice # 620003 9-6-88

Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-3717

Source of Water:
Division of Water Resources Permit # 37935
X Groundwater 2400 Ft North from Southeast Corner
(Well) 1150 Ft West from Southeast Corner of
Sec 23 Twp 16S Rge 26 East X West
Charles Walker, Utica, Ks. 67584
Surface Water Ft North from Southeast Corner
(Stream, pond etc) Ft West from Southeast Corner
Sec Twp Rge East West
Other (explain)
(purchased from city, R.W.D. #)

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 6-20-88

Subscribed and sworn to before me this 20th day of July 1988
Notary Public Glen Steven Hutton
Date Commission Expires Aug 16, 1988

Glen Steven Hutton, Notary Public
State of Missouri, Barry County
My Commission Expires Aug. 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)
7-25-88
Form ACO-1 (5-86)

Rec'd 7-25-88

Sec 13 Twp 16 Rge 26

SIDE TWO

Operator Name Thomas C. Lutz Lease Name Evel Well # 2

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 Yes No
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

DST #1 MISSISSIPPI (straddle Test)
 4480-4526
 Blow; Strong
 Rec: 180' slightly oil and gas cut mud
 60' oil and gas mud
 180' heavy oil and gas cut mud
 420' total fluid recovery

Press: ISIP: 1087 psi (45)
 FSIP: 1087; psi (45")
 IFP: 87-252 psi
 FFP: 252-319 psi
 HSH: 2288-2268 psi

R.T.D. 4590 (-2013)
 L.T.D. 4591 (-2014)

Formation Description		
Name	Top	Bottom
ANHYDRITE	1966	+611
HEEBNER	3855	-1278
TORONTO	3873	-1296
LANSING	3898	-1321
STARK	4142	-1563
BASE KANSAS CITY	4193	-1616
MARMATON	4238	-1661
PAWNEE	4331	-1754
FORT SCOTT	4400	-1823
CHEROKEE	4430	-1853
CONGLOMERATE	4471	-1894
MISSISSIPPI	4491	-1914
MISSISSIPPI DOLOMITE	4504	-1927
R.T.D.	4590	-2013
L.T.D.	4591	-2014

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"	20#	351'	60/40 Poz	205	2% Gel 3%CC
Production	7 7/8"	5 1/2"	14#	4,586'	60/40 Poz 3/4% HALAD, 1/4# Flocele	200	2% Gel 12% Salt
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	4506-23						
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Production		Set At		Packer at			
6-1-88		2 3/8		4560			
Date of First Production		Producing Method					
6-1-88		<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		5					
		Bbls	MCF	Bbls	CFPB		

METHOD OF COMPLETION Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify)

Dually Completed Commingled

RECEIVED
 STATE CORPORATION COMMISSION
 JUN 25 1988
 CONSERVATION DIVISION
 Wichita, Kansas

BULK MATERIALS DELIVERY AND TICKET CONTINUATION



A Division of Halliburton Company
TULSA, OKLAHOMA 74106

FOR INVOICE AND
TICKET NO. 620003

DATE 5-24-88	CUSTOMER ORDER NO.	WELL NO. AND FARM Evol #2	COUNTY Ness	STATE Kansas
CHARGE TO Tom Lutz		OWNER Same	CONTRACTOR No. B 654920	
MAILING ADDRESS		DELIVERED FROM Hays, Ks	LOCATION CODE 50325	PREPARED BY Kuhn
CITY & STATE		DELIVERED TO N/E Utica, Ks	TRUCK NO. 51252	RECEIVED BY B. Crosswhite

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
		L	D		QTY.	MEAS.	QTY.	MEAS.			
504-118		2	B	Halliburton Light Cement	350				4.92	1,722 00	
507-210	890,50071	2	B	Fleeco Blended	88	lb			1.21	106 48	
<p style="font-size: 2em; opacity: 0.5; transform: rotate(-30deg);">THIS IS NOT AN INVOICE</p> <p style="text-align: center;">RECEIVED STATE CORPORATION COMMISSION JUL 25 1988</p>											
				TOTAL WEIGHT		LOADED MILES		TON MILES			
				SERVICE CHARGE ON MATERIALS RETURNED				CU. FEET			
500-207		2	B	SERVICE CHARGE				350	.95	332 50	
500-306		2	B	Mileage Charge	32,358	27		436,833	.70	305 78	
No. B 654920							CARRY FORWARD TO INVOICE	SUB-TOTAL		2,466 76	

CUSTOMER

CUSTOMER COPY
INVOICE
 INVOICE



A DIVISION OF HALLIBURTON COMPANY

REMIT TO:
 P.O. BOX 651046
 DALLAS, TX 75265

620003 05/24/1988

LEVEL A-2	NESS	KS	SAME
NESS CITY	CHEYENNE	TOP OUTSIDE PRODUCTION CASING	05/24/1988
527734	H.L. MADDOX		COMPANY TRUCK 59125

THOMAS C. LUTZ
 P. O. DRAWER D
 SHELL KNOS, MO 65747

DIRECT CORRESPONDENCE TO:
 SUITE 600
 COLORADO DEERY BUILDING
 WICHITA, KS 67202-0000

000-117	MILEAGE	27	MI	2.10	56.70
		1	UNT		
011-206	MISCELLANEOUS PUMPING JOBS	1000	FSI	590.00	590.00
		1	UNT		
804-118	HALLIBURTON LIGHT CEMENT -PREM	350	SK	4.92	1,722.00
807-210	FLOCELE	88	LB	1.21	106.48
100-207	BULK SERVICE CHARGE	350	CFT	.96	332.80
500-306	MILEAGE	436.833	TMI	.70	305.78

INVOICE SUBTOTAL	3,113.46
DISCOUNT-(BID)	560.41-
INVOICE BID AMOUNT	2,553.05
*-KANSAS STATE SALES TAX	80.91

RECEIVED
 STATE CORPORATION COMMISSION

JUL 25 1988

CONSERVATION DIVISION
 Wichita, Kansas

INVOICE TOTAL - PLEASE PAY THIS AMOUNT ***** \$2,633.96

TERMS INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE. UPON CUSTOMER'S DEFAULT IN PAYMENT OF CUSTOMER'S ACCOUNT BY THE LAST DAY OF THE MONTH FOLLOWING THE MONTH IN WHICH THE INVOICE IS DATED, CUSTOMER AGREES TO PAY INTEREST THEREON AFTER DEFAULT AT THE HIGHEST LAWFUL CONTRACT RATE APPLICABLE BUT NEVER TO EXCEED 18% PER ANNUM. IN THE EVENT IT BECOMES NECESSARY TO EMPLOY AN ATTORNEY TO ENFORCE COLLECTION OF SAID ACCOUNT, CUSTOMER AGREES TO PAY ALL COLLECTION COSTS AND ATTORNEY FEES IN THE AMOUNT OF 20% OF THE AMOUNT OF THE UNPAID ACCOUNT.

Amended

SIDE TWO

Operator Name Thomas C. Lutz Lease Name Evel Well # 2

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 [X] Yes [] No
Samples Sent to Geological Survey [X] Yes [] No
Cores Taken [] Yes [X] No

Formation Description
[] Log [] Sample

DST #1 MISSISSIPPI (straddle Test)

4480-4526
Blow; Strong
Rec: 180' slightly oil and gas cut mud
60' oil and gas mud
180' heavy oil and gas cut mud
420' total fluid recovery
Press: ISIP: 1087 psi (45)
FSIP: 1087; psi (45")
IFP: 87-252 psi
FFP: 252-319 psi
HSH: 2288-2268 psi
R.T.D. 4590 (-2013)
L.T.D. 4591 (-2014)

Table with 3 columns: Name, Top, Bottom. Rows include ANHYDRITE, HEEBNER, TORONTO, LANSING, STARK, BASE KANSAS CITY, MARMATON, PAWNEE, FORT SCOTT, CHEROKEE, CONGLOMERATE, MISSISSIPPI, MISSISSIPPI DOLOMITE, R.T.D., L.T.D.

CASING RECORD, PERFORATION RECORD, TUBING RECORD, Date of First Production, Producing Method, Estimated Production Per 24 Hours, METHOD OF COMPLETION, Production Interval

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

STATE CORPORATION COMMISSION OF KANSAS
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 Gas Inj Delayed Comp.
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WELL HISTORY

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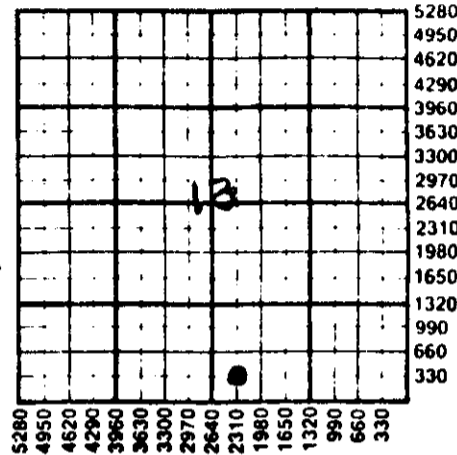
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Invoice # 620003

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County Ness
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Sec. Twp. Rge. X West
330 Ft North from Southeast Corner of Section
2310 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Evel Well # 2
Field Name Arnold
Producing Formation Mississippi
Elevation: Ground 2572 NB 2577

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # Repressuring

Questions on this portion of the ACO-1 call:

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Title Owner Operator Date 6-20-88

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Notary Public Glen Steven Hutton
Date Commission Expires Aug 16 1988

Glen Steven Hutton, Notary Public
State of Missouri, Barry County
My Commission Expires Aug. 16, 1988

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. Twp. Rge.