

ORIGINAL

SIDE ONE

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

Operator: License # 4689
Name: Thomas C. Lutz
Address P.O. Drawer 0940

City/State/Zip Fayetteville, AR 72701
Purchaser:

Operator Contact Person: H.L. Maddox
Phone (316) 653-4178

Contractor: Name: Red Tiger Drilling
License: 5302

Wellsite Geologist: Ron Nelson

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

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

Drilling Method:
 Mud Rotary Air Rotary Cable
9-25-90 10-03-90 10-03-90
Spud Date Date Reached TD Completion Date

API NO. 15- 135-23,508-00-00

County Ness

SW SE NW Sec. 5 Twp. 16S Rge. 25W East West
2970 Ft. North from Southeast Corner of Section
3630 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

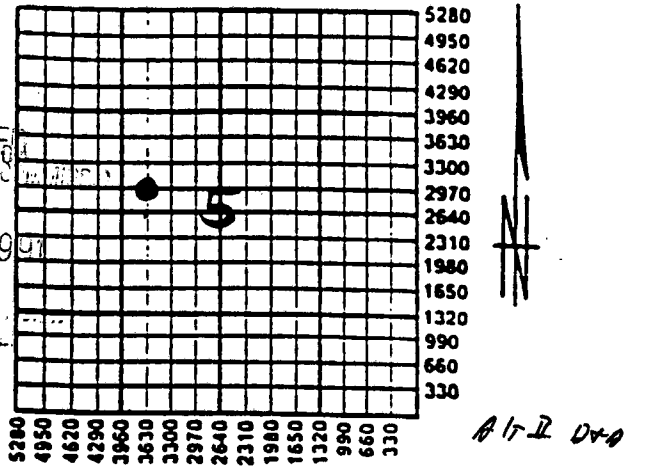
Lease Name Evel "F" Well # 1

Field Name Arnold

Producing Formation None

Elevation: Ground 2484 KB 2489

Total Depth 4448' PBTD



RECEIVED
FEB 11 1991
STATE CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WICHITA, KANSAS

Amount of Surface Pipe Set and Cemented at 383' Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set Feet

If Alternate II completion, cement circulated from

feet depth to w/ sx cmt.

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. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 [Signature]
Title OWNER-OPERATOR Date 1-28-91

Subscribed and sworn to before me this 28th day of January
9 91.
Notary Public Patricia K. Franke
State of Arkansas
Washington County

Notary Commission Expires November 8, 1991

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

SIDE TWO

Operator Name Thomas C. Lutz

Lease Name Evel "F"

Well # 1

Sec. 5 Twp. 16S Rge. 25W

East
 West

County Ness

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 sheets if more space is needed. Attach copy of log.

Drill Stem Tests Taken Yes No
(Attach Additional Sheets.)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
(Submit Copy)

*** Drill-Stem Test attached

Formation Description			
Name	Log	Sample	
Top Anhydrite	1939		+550
Base Anhydrite	Top 1975	Bottom	+514
Heebner	3814		-1325
Toronto	3837		-1348
LKC	3857		-1368
BKC	4153		-1664
Marmaton	4196		-1707
Pawnee	4283		-1794
Ft. Scott	4365		-1876
Cherokee Shale	4391		-1902
Mississippi	Not Reached		
RTD	4453		-1964

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	12 1/4	8 5/8	20#	383'	60/40poz	225	6%gel13%cc

PERFORATION RECORD

Shots Per Foot Specify Footage of Each Interval Perforated

Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth

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

Date of First Production Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Gravity

Disposition of Gas:
 Vented Sold Used on Lease
(If vented, submit ACO-18.)

METHOD OF COMPLETION

Open Hole Perforation Dually Completed Commingled
 Other (Specify) _____

Production Interval

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

KS-135-23508-00-00

Drill-Stem Test Data

Well Name & No. <u>EVEL "F" #1</u>	Test No. <u>1</u>	Date <u>10/1/90</u>
Company <u>THOMAS C. LUTZ</u>	Zone Tested <u>MARMATON</u>	
Address <u>DRW #0940 FAYETTEVILLE ARK 72701</u>	Elevation <u>2419 KB</u>	
Co. Rep./Geo. <u>MR RON NELSON</u>	Cont. <u>RED TIGER RIG #5</u>	Est. Ft. of Pay <u>0</u>
Location: Sec. <u>5</u>	Twp. <u>16S</u>	Rge. <u>25W</u>
	Co. <u>NESS</u>	State <u>KANSAS</u>

Interval Tested <u>4208-4245</u>	Drill Pipe Size <u>4.5" XH</u>
Anchor Length <u>37</u>	Top Choke — 1" _____ Bottom Choke — 1/4" _____
Top Packer Depth <u>4203</u>	Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
Bottom Packer Depth <u>4208</u>	Wt. Pipe I.D. — 2.7 Ft. Run _____
Total Depth <u>4245</u>	Drill Collar — 2.25 Ft. Run <u>0</u>
Mud Wt. <u>9.2</u> lb/gal.	Viscosity <u>43</u> Filtrate <u>8.4</u>
Tool Open @ <u>4:10 PM</u>	Initial Blow <u>WEAK-LOST MUD 7 MINUTES INTO FLOW-</u>
	<u>SET MORE WEIGHT ON TOOL-WEAK 1/2" STEADY BLOW</u>
Final Blow <u>NO BLOW - FLUSHED TOOL-NO HELP</u>	

Recovery — Total Feet <u>120</u>	Flush Tool? <u>2nd OPEN</u>
Rec. <u>120</u> Feet of <u>DRILLING MUD WITH SCUM OF OIL</u>	
Rec. <u>0</u> Feet of _____	
Rec. <u>0</u> Feet of _____	
Rec. <u>0</u> Feet of _____	
Rec. <u>0</u> Feet of _____	

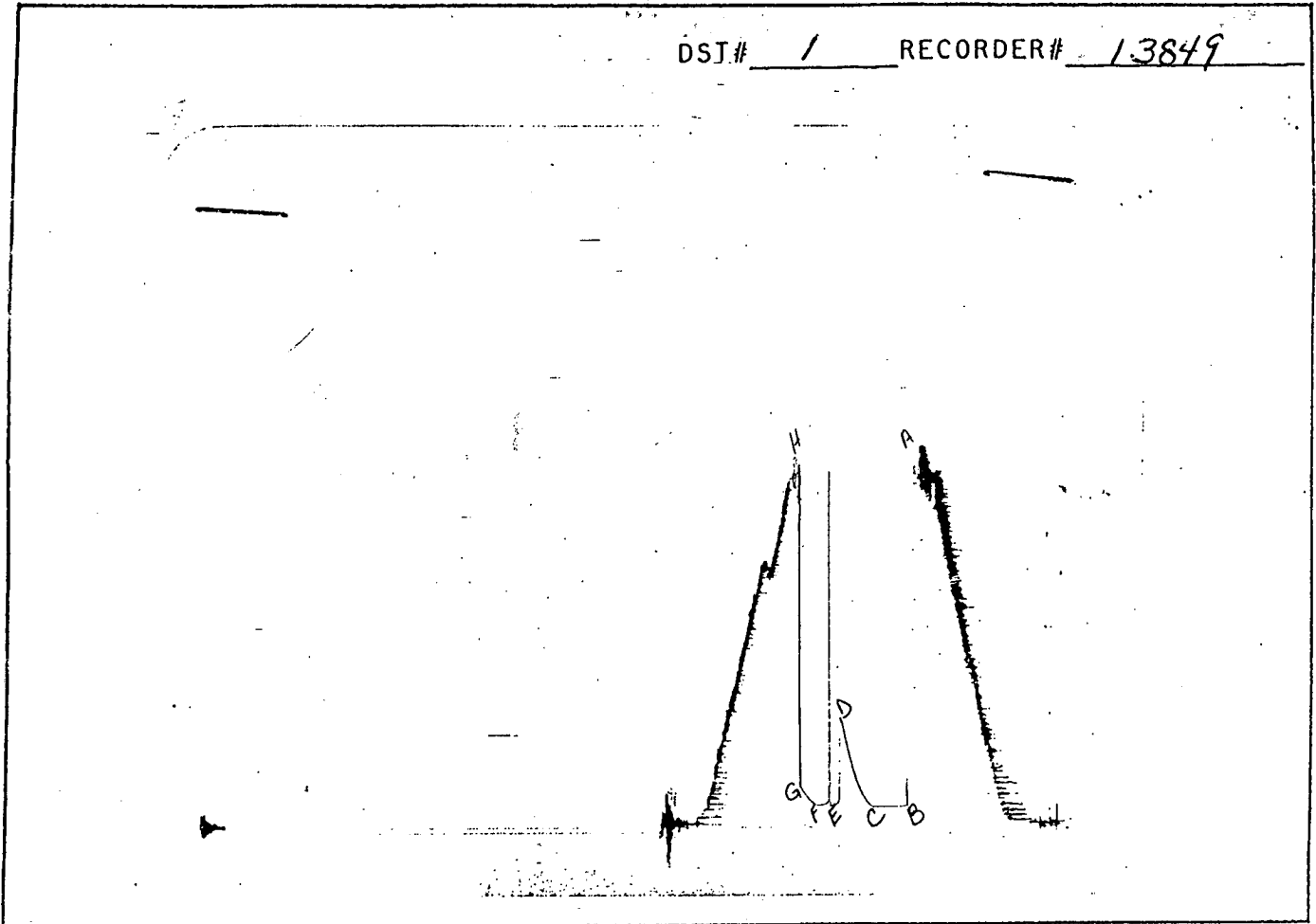
BHT <u>118</u> °F	Gravity _____ °API @ _____ °F	Corrected Gravity <u>0</u> °API
RW _____ @ _____ °F	Chlorides _____ ppm Recovery	Chlorides <u>6000</u> ppm System
(A) Initial Hydrostatic Mud <u>2091.4</u> PSI	Ak1 Recorder No. <u>13754</u>	Range <u>4000</u>
(B) First Initial Flow Pressure <u>60.2</u> PSI	@ (depth) <u>4212</u>	w/Clock No. <u>3942</u>
(C) First Final Flow Pressure <u>62.1</u> PSI	Ak1 Recorder No. <u>13849</u>	Range <u>4375</u>
(D) Initial Shut-In Pressure <u>610.4</u> PSI	@ (depth) <u>4241</u>	w/Clock No. <u>26191</u>
(E) Second Initial Flow Pressure <u>70.9</u> PSI	Ak1 Recorder No. <u>0</u>	Range <u>0</u>
(F) Second Final Flow Pressure <u>71.8</u> PSI	@ (depth) <u>0</u>	w/Clock No. <u>0</u>
(G) Final Shut-In Pressure <u>201.3</u> PSI	Initial Opening <u>30</u>	
(H) Final Hydrostatic Mud <u>2009.7</u> PSI	Initial Shut-In <u>30</u>	
	Final Flow <u>15</u>	
	Final Shut-In <u>15</u>	

MR DAN BANGLE

550

Our Representative _____ TOTAL PRICE \$ _____

DST# 1 RECORDER# 13849



This is an actual photograph of recorder chart.

PRESSURE

POINT	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud.....	2087	2091.4	PSI
(B) First Initial Flow Pressure.....	59	60.2	PSI
(C) First Final Flow Pressure.....	59	62.1	PSI
(D) Initial Closed-In Pressure.....	600	610.4	PSI
(E) Second Initial Flow Pressure.....	68	70.9	PSI
(F) Second Final Flow Pressure.....	68	71.8	PSI
(G) Final Closed-in Pressure.....	196	201.3	PSI
(H) Final Hydrostatic Mud.....	2006	2009.7	PSI

TRILOBITE TESTING COMPANY

-15-135-23508-0000

P.O. Box 362 • Hays, Kansas 67601

TEST TICKET

ORIGINAL

No 3236

Well Name & No. Evel "F" #1 Test No. 1 Date 10-1-90
 Company Thomas C. Lutz Zone Tested Marmaton
 Address Drawer 0940, Fayetteville, Ark, 72701 Elevation 2419 K.B.
 Co. Rep./Geo. Ron Nelson Cont. Red Tiger #5 Est. Ft. of Pay _____
 Location: Sec. 5 Twp. 16s Rge. 25w Co. Ness State Ks.
 No. of Copies _____ Distribution Sheet _____ Yes No Turnkey _____ Yes No

Interval Tested 4208-4245 Drill Pipe Size 4.5 XH
 Anchor Length 37 Top Choke - 1" _____ Bottom Choke - 3/4" _____
 Top Packer Depth 4203 Hole Size - 7 7/8" _____ Rubber Size - 6 3/4" _____
 Bottom Packer Depth 4208 Wt. Pipe I.D. - 2.7 Ft. Run 606
 Total Depth 4245 Drill Collar - 2.25 Ft. Run _____
 Mud Wt. 9.2 lb/gal. Viscosity 43 Filtrate 8.4
 Tool Open @ 4:10 P.M. Initial Blow Weak - Lost Mud 7 min into flow
set more wt. on tool - weak 1/2" steady blow.
 Final Blow No blow - Flushed tool - No help

Recovery - Total Feet 120 Flush Tool? and open
 Rec. 120 Feet of D.M. w/ scum of oil
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____

BHT 118 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 6,000 ppm System

(A) Initial Hydrostatic Mud 2087 PSI Ak1 Recorder No. 13754 Range 4000
 (B) First Initial Flow Pressure 59 PSI @ (depth) 4212 w/Clock No. 3942
 (C) First Final Flow Pressure 59 PSI Ak1 Recorder No. 13849 Range 4375
 (D) Initial Shut-In Pressure 600 PSI @ (depth) 4241 w/Clock No. 26191
 (E) Second Initial Flow Pressure 68 PSI Ak1 Recorder No. _____ Range _____
 (F) Second Final Flow Pressure 68 PSI @ (depth) _____ w/Clock No. _____
 (G) Final Shut-In Pressure 196 PSI Initial Opening 30 Test 550⁰⁰
 (H) Final Hydrostatic Mud 2006 PSI Initial Shut-In 30 Jars _____
 Final Flow 15 Safety Joint _____
 Final Shut-In 15 Straddle _____

Approved By Ron Nelson
 Our Representative Dan Bangle

Circ. Sub
 Sampler _____
 Extra Packer _____
 Other _____
 TOTAL PRICE \$ 550⁰⁰