

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 # 08060
Name Zinke & Trumbo, Ltd.
Address 1202 E. 33rd, Suite 100
City/State/Zip Tulsa, OK 74105

Purchaser N/A

Operator Contact Person Wayne Taylor
Phone 918-743-5096

Contractor: License # 5380
Name Eagle Drilling

Wellsite Geologist Greg Bechtol
Phone 405-789-1061

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
10-1-89 10-12-89 11-22-89
Spud Date Date Reached TD Completion Date
5771 PWD 1-16-90
Total Depth PBDT A/L
Amount of Surface Pipe Set and Cemented at 575 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. 15-033-20761-00-00

County Comanche

C SE NE NE 30 32S 16 East
Sec Twp Rge West

4290 Ft North from Southeast Corner of Section
330 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

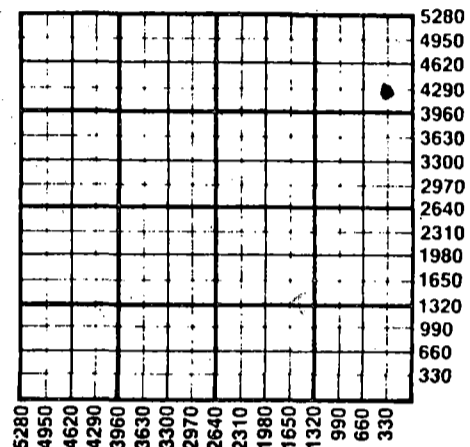
Lease Name Lenhart Well # 1-30

Field Name Wildcat

Producing Formation Arbuckle

Elevation: Ground 1998 KB 2011

Section Plat



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3-12-90
CONSERVATION DIVISION
Wichita, Kansas

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 5080 Ft North from Southeast Corner
(Stream, pond etc.) 330 Ft West from Southeast Corner
Sec 31 Twp 32S Rge 16 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 *Keith Hill*

Title Keith Hill, Agent Date 2-7-90

Subscribed and sworn to before me this 9th day of March 1990

Notary Public. *Bevelyn Jones*

Date Commission Expires

BEVELYN J. JONES
Notary Public - State of Kansas
My Appt. Expires 2-2-93

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)

MAR 12 1990

SIDE TWO

Operator Name Zinke & Trumbo, Ltd. Lease Name Lenhart Well # 1-30

Sec. 30 Twp. 32S Rge. 16 East West County Comanche

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
Base Heebner		4228
Lansing	4229	4426
Marmaton	4427	4884
Cherokee	4885	5024
Mississippian	5025	5090
Kinderhook	5091	5360
Viola	5361	5400
Simpson Dolomite	5401	5594
Arbuckle	5595	5716

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
Conductor	30"	20"		75'	grout	6 yds	5% cc
Surface	12-1/4"	8-5/8"	24#	575'	Lite Class A	150	3% cc, 2% gel
Intermediate	7-1/4"	4-1/2"	10.5#	5110'	35/65 Poz Surefill	150	220 5# Ko1 seal, 1% A-5
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	4982-4986			15 gals 15% spearhead acid			
4	4624-4630			4000 gals gelled 15% acid			
				500 gals 15% acid			
TUBING RECORD				Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Date of First Production		Producing Method <input type="checkbox"/> Flowing <input 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	
		Bbls	MCF	Bbls	CFPB		

METHOD OF COMPLETION

Production Interval

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

PHONE 318 / 824-7340

DEAN'S TESTERS INC.

P. O. BOX 1182 LIBERAL, Ks. 67801

Formation Mississippi Type Test Conventional Date Oct. 8, 1989
 Anchor Length and Size 29' X 4 1/2" OD-perf. Total Depth 5125'
 Packer Depths 5091' & 5096' Below Straddle Choke Size Bottom 5/8" Surface 1/4"
 Equipment Run 2 Packers, Jars, Safty joint, Circ. sub.

Lengths: Tool 59' D.P. 4521' ID 3.8" Wt. P. ID D.C. 552' ID 2.25"
 Mud Type Chemical Vis. 52 Wt. 9.2 Wtr. Loss 9.0 Cl. 4800 ppm

Recorders: Depth 5118' Make Kuster Cap 6500 Ser. No. 10269 Inside
 Depth 5123' Make Kuster Cap 6800 Ser. No. 10217 Outside
 Depth _____ Make _____ Cap _____ Ser. No. _____ Below Straddle

Pressures:

Tool on Bottom @ <u>5:10 A.M.</u>	Initial Hydrostatic <u>2475</u> psi
Initial Flow <u>30</u> Min.	IFP <u>61</u> psi to <u>64</u> psi
Initial Shut-In <u>58</u> Min.	ISIP <u>861</u> psi
Final Flow <u>60</u> Min.	FFP <u>67</u> psi to <u>74</u> psi
Final Shut-In <u>120</u> Min.	FSIP <u>1183</u> psi
Tool off Bottom @ <u>9:40 A.M.</u>	Final Hydrostatic <u>2446</u> psi Temp. <u>128</u>

Blow: Weak increasing to strong on I.F.P., Weak increasing to good on F.F.P.

Recovery: 60' Mud. Very slight show of oil on top of tool.

Gas Flow:

Sampler Data:

Pressure _____ PSI
 Gas _____ cu. ft.
 Total Fluid _____ cc
 Oil _____ cc
 Water _____ cc
 Mud _____ cc
 Oil Gravity _____ °F.
 Gas/Oil Ratio _____

Remarks:

Tester Butch Young MAR 12 1990 Witnessed by: David Sullivan

SEC. 30 TWP. 32S RGE. 16N COUNTY Comanche STATE Kansas TICKET NO. 2851

Zinke & Trumbo, LTD OPERATOR Lindhart #1 WELL NAME & NO. TEST #1 TIGHT HOLE TEST #1 5096' - 5125' TEST INTERVAL

**BAKER
SERVICE TOOLS**

1816 Glenarm — Suite 1350
Denver, CO 80202

Phone (303) 573-8027

Contractor <u>Eagle Drilling</u>	Surface Choke <u>1/4"</u>	Mud Type <u>--</u>
Rig No. <u>1</u>	Bottom Choke <u>1"</u>	Weight <u>9.3</u>
Spot <u>--</u>	Hole Size <u>7 7/8"</u>	Viscosity <u>55</u>
Sec. <u>30</u>	Core Hole Size <u>--</u>	Water Loss <u>--</u>
Twp. <u>32 S</u>	DP Size & Wt. <u>4 1/2" 16.60</u>	Filter Cake <u>--</u>
Rng. <u>16 W</u>	Wt. Pipe <u>None</u>	Resistivity <u>2.0 @ 75 °F</u>
Field <u>Wildcat</u>	I.D. of DC <u>2 1/4"</u>	<u>2,615</u> Ppm. NaCl
County <u>Comanche</u>	Length of DC <u>552'</u>	B.H.T. <u>120</u> °F
State <u>Kansas</u>	Total Depth <u>5771'</u>	Co. Rep. <u>Kent Hill</u>
Elevation <u>2011' KB</u>	Type Test <u>Inflate Straddle</u>	Tester <u>Gregory Neagle</u>
Formation <u>Maramington</u>	Interval <u>4960' - 4995'</u>	Baker Dist. <u>Woodward OK</u>

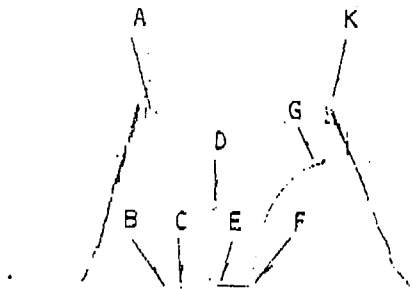
Operator
Ticket No. ZINKE & TRUMBO, LTD.
Date 10/10/89 724-79174

	REPORTED	CORRECTED	
Opened Tool @	<u>23:28</u>		hrs.
Flow No. 1	<u>30</u>	<u>27</u>	min.
Shut-In No. 1	<u>60</u>	<u>56</u>	min.
Flow No. 2	<u>60</u>	<u>58</u>	min.
Shut-In No. 2	<u>120</u>	<u>121</u>	min.
Flow No. 3	<u>None Taken</u>		min.
Shut-In No. 3	<u>"</u>	<u>"</u>	min.

Recorder Type <u>Kuster K-3</u>
No. <u>26481</u> Cap. <u>6200</u> psi
Depth <u>4970</u> feet
Inside _____ Clock _____
Outside <u>X</u> Range <u>24</u> hrs.

Initial Hydrostatic	A	<u>2442.8</u>
Final Hydrostatic	K	<u>2382.7</u>
Initial Flow	B	<u>64.0</u>
Final Initial Flow	C	<u>67.0</u>
Initial Shut-In	D	<u>1142.2</u>
Second Initial Flow	E	<u>72.4</u>
Second Final Flow	F	<u>90.4</u>
Second Shut-In	G	<u>1733.4</u>
Third Initial Flow	H	_____
Third Final Flow	I	_____
Third Shut-In	J	_____

Well Name & No. LENHART #1
Location S-30 T-32S R-16W
County/State COMANCHE COUNTY, KS



Pipe Recovery: 80' Gas cut mud = 0.39 bbl.

Resistivity:
 Top: 2.0 @ 70°F - 1.21 @ Res Temp = 2,795 ppm NaCl., 1,699 ppm Cl.
 Middle: 2.0 @ 70°F - 1.21 @ Res Temp = 2,795 ppm NaCl., 1,699 ppm Cl.
 Bottom: 2.0 @ 70°F - 1.21 @ Res Temp = 2,795 ppm NaCl., 1,699 ppm Cl.

DST No. 1
Interval 4960' - 4995'
Formation MARAMINGTON

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Wildcat, Kansas

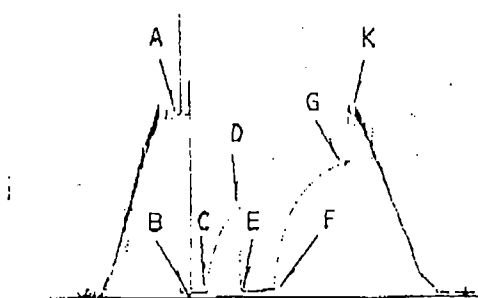
BAKER SERVICE TOOLS

ORIGINAL

Zinke & Trumbo, Ltd.
Operator

Lenhart #1
Well Name and No.

1
DST No.



Recorder Type Kuster K-3
No. 26480 Cap. 6200 psi
Depth 4934 feet
Inside X Clock
Outside Range 24 hrs.

Initial Hydrostatic	A	<u>2405.9</u>
Final Hydrostatic	K	<u>2367.9</u>
Initial Flow	B	<u>41.0</u>
Final Initial Flow	C	<u>51.9</u>
Initial Shut-In	D	<u>1158.4</u>
Second Initial Flow	E	<u>58.4</u>
Second Final Flow	F	<u>77.9</u>
Second Shut-In	G	<u>1742.1</u>
Third Initial Flow	H	
Third Final Flow	I	
Third Shut-In	J	

Recorder Type Lynes DMR 312
No. 1727 Cap. 5000 psi
Depth 4970 feet
Inside Clock
Outside X Range _____ hrs.

Initial Hydrostatic	A	<u>2436.0</u>
Final Hydrostatic	K	<u>2472.0</u>
Initial Flow	B	<u>82.0</u>
Final Initial Flow	C	<u>85.0</u>
Initial Shut-In	D	<u>1180.0</u>
Second Initial Flow	E	<u>73.0</u>
Second Final Flow	F	<u>109.0</u>
Second Shut-In	G	<u>1766.0</u>
Third Initial Flow	H	
Third Final Flow	I	
Third Shut-In	J	

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CONSERVATION DIVISION
Wichita, Kansas

DRILLER'S LOG

~~CONFIDENTIAL~~
KOC/PZ

Operator: Zinke & Trumbo
Lease Name: Lenhart #1-30
Spot Location: NE4 NE4
 Sec. 30-T32S-R16W
County, State: Comanche County, KS.

Commenced: 10-01-89
Completed: 10-13-89

Surface Casing: 575' of 8-5/8

<u>FORMATION</u>	<u>DEPTH</u>
Sand gyd Red Bed	0 - 325'
Red Bed	325' - 1215'
Shale - Red Bed	1215' - 1755'
Shale & Lime	1755' - 2200'
Shale Shells Lime	2200' - 2435'
Shale & Lime	2435' - 5771'

I do hereby certify that the foregoing statements are true and correct to the best of my knowledge and belief.

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MAR 12 1990

CONSERVATION DIVISION
Wichita, Kansas
STATE OF KANSAS)
COUNTY OF SEDGWICK) ss:

EAGLE DRILLING, INC.
Robert L. Eisel
Robert L. Eisel
Vice-President

Subscribed and sworn to before me this 29 day of December, 89.

My appointment expires
LISA A. HARDERS
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 3-21-93

Lisa Harders
Notary Public