

ORIGINAL

S Rec'd 1-9-1990

SIDE ONE

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. 15-193-20,496-00-00  
County Thomas  
SE NE NE Sec 20 Twp 9S Rge 32W East West

Operator: License # 3581  
Name Red Oak Energy, Inc.  
Address 111 W. Douglas  
Suite 507  
City/State/Zip Wichita, KS 67202

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

Purchaser  
Operator Contact Person Kevin Davis  
Phone 316-265-9925

Lease Name Steinle Well # 1-20  
Field Name  
Producing Formation

Contractor: License # 6033  
Name Murfin Drilling Company

Elevation: Ground 3085 KB 3090

Wellsite Geologist  
Phone

Section Plat

Table with 10 columns and 10 rows representing a section plat grid. The right side of the grid is labeled with elevations from 5280 to 330. The bottom side is labeled with elevations from 5280 to 330.

Designate Type of Completion  
X New Well Re-Entry Workover  
Oil SWD Temp Abd  
Gas Inj Delayed Comp.  
X Dry Other (Core, Water Supply etc.)  
If OWO: 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  
12-04-89 12-11-89 12-12-89  
Spud Date Date Reached TD Completion Date  
4780  
Total Depth PBTD  
Amount of Surface Pipe Set and Cemented at 312 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  
Cement Company Name  
Invoice #

Questions on this portion of the ACO-1 call:  
Water Resources Board (913) 296-3717  
Source of Water: Pumped  
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 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 Jack E. Goss, Agent for Operator  
Date 12-20-89

Subscribed and sworn to before me this 20th day of December 1989.  
Notary Public Melanie Rau  
Date Commission Expires 4-18-93

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



X 21

Operator Name ..... Red Oak Energy ..... Lease Name ..... Steinle ..... Well # ..... 1-20

Sec. .... 20 ..... Twp. .... 9S ..... Rge. .... 32S .....  East  West ..... County ..... Thomas .....

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
ANHYDRITE	2657	
Topeka	3847	
Heebner	4052	
Lansing	4099	
Pawnee	4508	
Miss.	4697	

(RECEIVED)  
 STATE COMMISSION

JAN 9 1990  
 01-09-1990  
 CONSERVATION DIVISION  
 Wichita, Kansas

CASING RECORD <input 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"		312'	60/40 Poz	175	3% CC

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	
Shots Per Foot	Specify Footage of Each Interval Perforated		Depth

TUBING RECORD		Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No	
Size	Set At	Packer at	

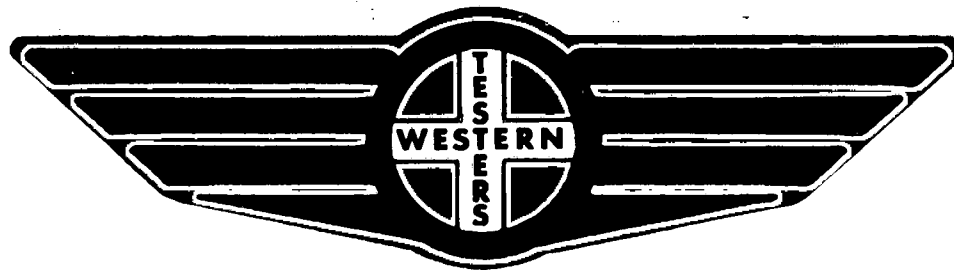
  

Date of First Production	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....			
	Oil	Gas	Water	Gas-Oil Ratio
Estimated Production Per 24 Hours	Bbl's	McF	Bbl's	CFPB

METHOD OF COMPLETION

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

# FORMATION TEST REPORT



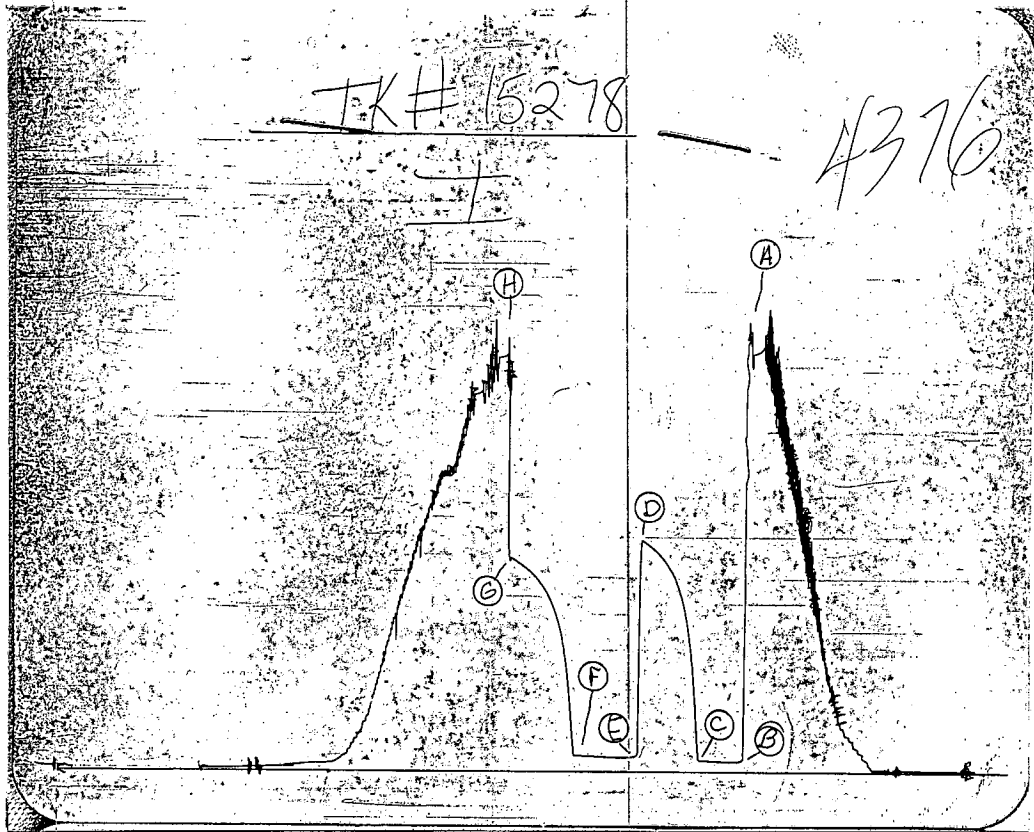
Home Office:

Wichita, Kansas 67201

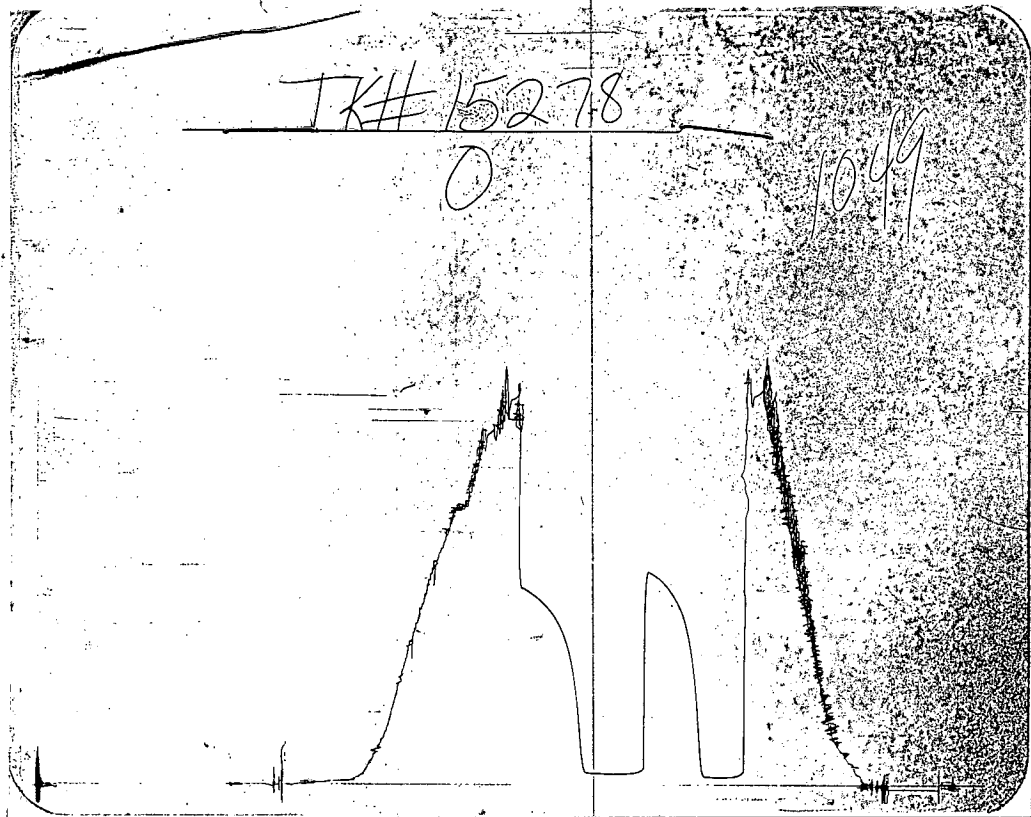
P.O. Box 1599

Phone (316) 262-5861

15-193-20496-00-00



Inside Recorder



Outside Recorder

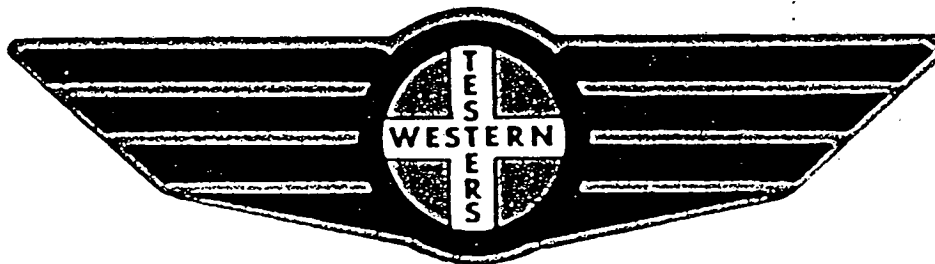
(RECEIVED)  
STATE CORPORATION COMMISSION

JAN 9 1990

CONSERVATION DIVISION  
Wichita, Kansas

15-193-20496-00-00

# FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY RED OAK ENERGY, INC

LEASE & WELL NO. STEINLE 1-20

SEC 20 TWP 9S RGE 32W TEST # 1 DATE 12/8/89

WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

DATE : 12/8/89  
CUSTOMER : RED OAK ENERGY INC.  
WELL : 1-20 TEST: 1  
ELEVATION : 3085 GL  
SECTION : 20  
RANGE : 32W COUNTY : THOMAS  
GAUGE SN# : 4376 RANGE : 4000  
TICKET : 15278  
LEASE : STEINLE  
GEOLOGIST : CARLTON  
FORMATION :  
TOWNSHIP : 9S  
STATE : KANSAS  
CLOCK : 12

INTERVAL FROM : 4256 TO : 4380 TOTAL DEPTH : 4380  
DEPTH OF SELECTIVE ZONE :  
PACKER DEPTH : 4251 SIZE : 6.75  
PACKER DEPTH : 4256 SIZE : 6.75  
PACKER DEPTH : SIZE :  
PACKER DEPTH : SIZE :

DRILLING CON. : MURFIN DRLG RIG 2  
MUD TYPE : CHEMICAL VISCOSITY : 43  
WEIGHT : 9.3 WATER LOSS (CC) : 10.8  
CHLORIDES (PPM) : 1300  
JARS-MAKE : WTC SERIAL NUMBER : 419  
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 450 FT I.D. inch : 2.20  
WEIGHT PIPE LENGTH : 321 FT I.D. inch : 3.20  
DRILL PIPE LENGTH : 3455 FT I.D. inch : 3.80  
TEST TOOL LENGTH : 30 FT TOOL SIZE : 5.50  
ANCHOR LENGTH : 124 FT ANCHOR SIZE : 5.50  
SURFACE CHOKE SIZE : .75 IN BOTTOM CHOKE SIZE : .75  
MAIN HOLE SIZE : 7.875 IN TOOL JOINT SIZE : 4.5XH

BLOW COMMENT #1 : INITIAL FLOW PERIOD STEADY ONE INCH  
BLOW COMMENT #2 : BLOW.  
BLOW COMMENT #3 : FINAL FLOW PERIOD NO BLOW.  
BLOW COMMENT #4 :

15-193-20496-00-00

RECOVERED : 65 FT OF: MUD  
RECOVERED : 0 FT OF: CHLORIDES 2000 PPM

Total Barrels Fluid = 0.31  
Total Fluid Prod Rate = 5.87 BFPD  
Indicated Wtr Rate = 0.06 BWPD

REMARK 1 :  
REMARK 2 :  
REMARK 3 :  
REMARK 4 :

SET PACKER(S) : 4:30 AM

TIME STARTED OFF BOTTOM : 7:00 AM

WELL TEMPERATURE : 129

INITIAL HYDROSTATIC PRESSURE

(A) 2173

INITIAL FLOW PERIOD MIN: 30

(B) 50 PSI TO (C) : 50

INITIAL CLOSED IN PERIOD MIN: 45

(D) 1189

FINAL FLOW PERIOD MIN: 45

(E) 76 PSI TO (F) : 76

FINAL CLOSED IN PERIOD MIN: 45

(G) 1099

FINAL HYDROSTATIC PRESSURE

(H) 2133

WESTERN TESTING CO. INC.  
WICHITA-KANSAS

Pressure Transient Report

COMPANY : RED OAK ENERGY INC.  
RIG : THOMAS-KANSAS  
FIELD : STEINLE  
WELL : 1-20  
DATE : 12/8/89  
GAUGE NO : 4376

OPERATIONAL COMMENTS



COMPANY : RED OAK ENERGY INC.  
 WELL : 1-20  
 GAUGE # : 4376  
 DATE : 8/12/89

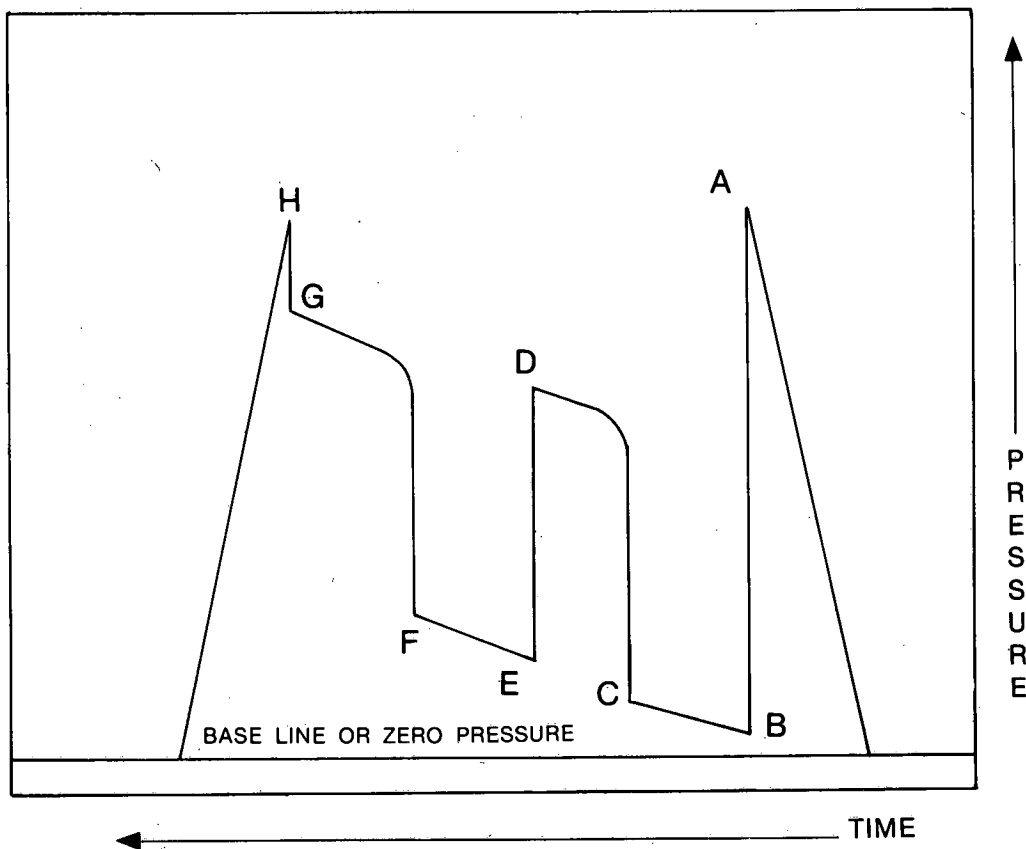
FIELD : STEINLE  
 JOB # : 15278  
 DEPTH : 4380  
 TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
INITIAL FLOW PERIOD					
2	4:30:0	0.000	50.000	129.00	0.000
3	4:34:59	0.083	50.000	129.00	0.000
4	4:40:0	0.167	50.000	129.00	0.000
5	4:45:0	0.250	50.000	129.00	0.000
6	4:49:59	0.333	50.000	129.00	0.000
7	4:55:0	0.417	50.000	129.00	0.000
8	5:0:0	0.500	50.000	129.00	0.000
INITIAL SHUT-IN PERIOD					
9	5:3:0	0.550	506.000	129.00	456.000
10	5:6:0	0.600	633.000	129.00	127.000
11	5:9:0	0.650	764.000	129.00	131.000
12	5:12:0	0.700	864.000	129.00	100.000
13	5:15:0	0.750	935.000	129.00	71.000
14	5:18:0	0.800	994.000	129.00	59.000
15	5:21:0	0.850	1027.000	129.00	33.000
16	5:24:0	0.900	1064.000	129.00	37.000
17	5:27:0	0.950	1090.000	129.00	26.000
18	5:30:0	1.000	1119.000	129.00	29.000
19	5:33:0	1.050	1136.000	129.00	17.000
20	5:36:0	1.100	1155.000	129.00	19.000
21	5:39:0	1.150	1171.000	129.00	16.000
22	5:42:0	1.200	1182.000	129.00	11.000
23	5:45:0	1.250	1189.000	129.00	7.000
FINAL FLOW PERIOD					
24	5:46:0	1.267	76.000	129.00	-1113.000
25	5:49:59	1.333	76.000	129.00	0.000
26	5:55:0	1.417	76.000	129.00	0.000
27	6:0:0	1.500	76.000	129.00	0.000
28	6:4:59	1.583	76.000	129.00	0.000
29	6:10:0	1.667	76.000	129.00	0.000
30	6:15:0	1.750	76.000	129.00	0.000
31	6:19:59	1.833	76.000	129.00	0.000
32	6:25:0	1.917	76.000	129.00	0.000
33	6:30:0	2.000	76.000	129.00	0.000
FINAL SHUT-IN PERIOD					
34	6:33:0	2.050	420.000	129.00	344.000
35	6:36:0	2.100	586.000	129.00	166.000
36	6:39:0	2.150	718.000	129.00	132.000
37	6:42:0	2.200	787.000	129.00	69.000
38	6:45:0	2.250	847.000	129.00	60.000
39	6:48:0	2.300	901.000	129.00	54.000
40	6:51:0	2.350	933.000	129.00	32.000
41	6:54:0	2.400	966.000	129.00	33.000
42	6:57:0	2.450	992.000	129.00	26.000
43	7:0:0	2.500	1016.000	129.00	24.000
44	7:3:0	2.550	1032.000	129.00	16.000
45	7:6:0	2.600	1048.000	129.00	16.000
46	7:9:0	2.650	1068.000	129.00	20.000
47	7:12:0	2.700	1082.000	129.00	14.000
48	7:15:0	2.750	1099.000	129.00	17.000

**COMPANY TERMS**

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

**AK-1 Recorders**



- |                         |                         |
|-------------------------|-------------------------|
| A - Initial Hydrostatic | E - Second Initial Flow |
| B - First Initial Flow  | F - Second Final Flow   |
| C - First Final Flow    | G - Final Shut-In       |
| D - Initial Shut-In     | H - Final Hydrostatic   |