

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

Operator: License # 3581

Name: Red Oak Energy, Inc.

Address 111 West Douglas, Suite 507

City/State/Zip Wichita, KS 67202

Purchaser: _____

Operator Contact Person: Kevin Davis

Phone (316) 265-9925

Contractor: Name: Duke Drilling Co., Inc.

License: 5929

Wellsite Geologist: _____

Designate Type of Completion

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

If **OWD**: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

- Mud Rotary Air Rotary Cable

11-03-89 11-9-89 11-9-89 ^{KCC}

Spud Date Date Reached TD Completion Date

API NO. 15- 165-21,495-0000

County Rush

C-S/2 NE SW Sec. 30 Twp. 16 Rge. 19 East
xx West

1650 Ft. North from Southeast Corner of Section

3300 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

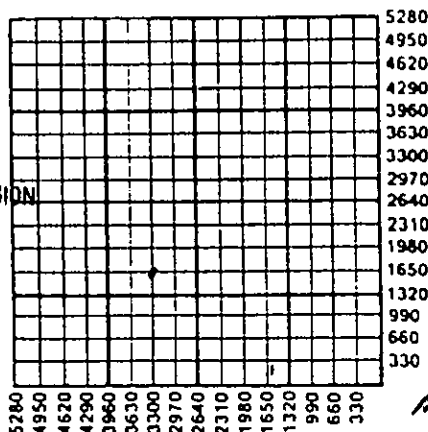
Lease Name Spreier Well # 30-A1

Field Name _____

Producing Formation _____

Elevation: Ground 2086' KB 2094'

Total Depth 3900' PBTD _____



RECEIVED
STATE CORPORATION COMMISSION

NOV 10 1989

CONSERVATION DIVISION
WICHITA, KANSAS

Amount of Surface Pipe Set and Cemented at 280' 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 Kevin C. Davis

Title PRESIDENT Date Dec. 1, 1989

Subscribed and sworn to before me this 1st day of December, 1989.

Notary Public Leslie K. Horigan

Date Commission Expires 4-13-93

K.C.C. OFFICE USE ONLY		
<input type="checkbox"/>	Letter of Confidentiality Attached	
<input checked="" type="checkbox"/>	Wireline Log Received	
<input checked="" type="checkbox"/>	Drillers Timelog Received	
Distribution		
<input checked="" type="checkbox"/>	SWD/Rep	NGPA
<input checked="" type="checkbox"/>	Plug	Other (Specify)



P1 X

SIDE TWO

Operator Name Red Oak Energy, Inc. Lease Name Spreier Well # 30-A14

Sec. 30 Twp. 16 Rge. 19 East West County Rush

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
 (Attach Additional Sheets.)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy:)

Formation Description		
Name	Top	Bottom
Heebner	3426	
Lansing	3472	
Base Kansas City	3728	
Pawnee	3793	
Cherokee Shale	3824	
Conglomerate	3835	
Arbuckle	3883	

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#	280'	60/40poz	160	2% gel 3% cc

Shots Per Foot	PERFORATION RECORD 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 _____



K-165-21495-0000

DRILLER'S WELL LOG

DATE COMMENCED: November 3, 1989
DATE COMPLETED: November 11, 1989

Red Oak Energy, Inc.
SPRINGER 30-A1
S 3/4 NE SW
Sec. 30, T16S, R19W
Rush County, Ks.

0 - 282' Surface Soil, Shale
282 - 1328' Shale, Sand, Shells
1328 - 1366' Anhydrite
1366 - 3486' Shale & Lime
3486 - 3883' Lime
3883 - 3900' Dolomite
3900' RTD

ELEVATION: 2086 G.L.

Surface Pipe: Set used
8-5/8", 20' pipe (280'
w/100 sacks 60/40 pozmix
2% gel 3% cc.

AFFIDAVIT

STATE OF KANSAS
COUNTY OF BARTON) ss

Jay Schneider of lawful age, does swear and state that the facts and contents
herein are true and correct to the best of his knowledge.

RECEIVED
WATER CONSERVATION COMMISSION
W-11-6-1989
CONSERVATION DIVISION
Wichita, Kansas

Jay Schneider

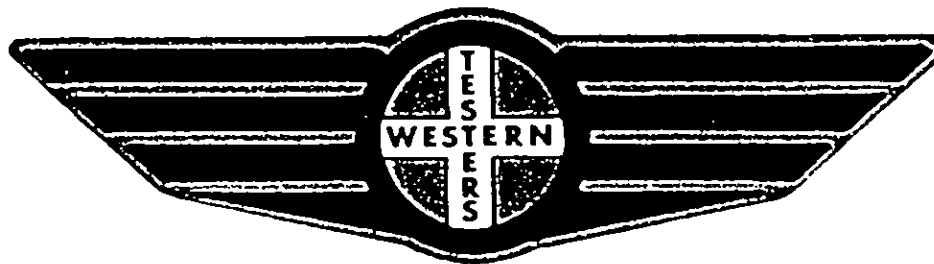
Subscribed and sworn to before me this 14 day of November 1989.

DOROTHY M. HAGUE
NOTARY PUBLIC
STATE OF KANSAS
My Comm. Exp. 5-5-90

Dorothy M. Hague
Notary Public

15.165-21495-0000

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY RED OAK ENERGY, INC.

LEASE & WELL NO. SPRETER #30-A1

SEC 30 TWP 16S RGE 19W TEST #

DATE 11/7/89

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE : 11/7/89 TICKET : 15147
CUSTOMER : RED OAK ENERGY INC. LEASE : SPREIER
WELL : 30-A1 TEST: 1 GEOLOGIST : ?
ELEVATION : 2086 GR FORMATION : LANSING B
SECTION : 30 TOWNSHIP : 16S
RANGE : 19W COUNTY : RUSH STATE : KANSAS
GAUGE SN# : 10270 RANGE : 4150 CLOCK : 12

INTERVAL FROM : 3484 TO : 3499 TOTAL DEPTH : 3499
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 3479 SIZE : 6.63
PACKER DEPTH : 3484 SIZE : 6.63
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : DUKE RIG 4
MUD TYPE : CHEMICAL VISCOSITY : 49
WEIGHT : 9 WATER LOSS (CC) : 8.8
CHLORIDES (PPM) : 7000
JARS-MAKE : WTC SERIAL NUMBER : 422
DID WELL FLOW ? : REVERSED OUT ? :

DRILL COLLAR LENGTH : 210 FT I.D. inch : 2.20
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00
DRILL PIPE LENGTH : 3250 FT I.D. inch : 3.80
TEST TOOL LENGTH : 24 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 15 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 WEAK BLOW
BLOW COMMENT #2 : THROUGHOUT-1/4 TO 1 INCH BLOW.
BLOW COMMENT #3 : FINAL FLOW PERIOD WEAK BLOW
BLOW COMMENT #4 : THROUGHOUT-1/4 INCH BLOW.

15.165-21495-0000

RECOVERED : 90 FT OF: MUDDY WATER
RECOVERED : 0 FT OF: 15% MUD: 85% WATER
RECOVERED : 0 FT OF: FEW OIL SPOTS
RECOVERED : 0 FT OF: CHLORIDES 39000 PPM

Total Barrels Fluid = 0.42
Total Fluid Prod Rate = 12.19 BFPD
Indicated Wtr Rate = 10.36 BWPD

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

SET PACKER(S) : 5:20 PM TIME STARTED OFF BOTTOM : 7:35 PM
WELL TEMPERATURE : 106
INITIAL HYDROSTATIC PRESSURE (A) 1722
INITIAL FLOW PERIOD MIN: 20 (B) 37 PSI TO (C) : 40
INITIAL CLOSED IN PERIOD MIN: 30 (D) 976
FINAL FLOW PERIOD MIN: 30 (E) 55 PSI TO (F) : 63
FINAL CLOSED IN PERIOD MIN: 60 (G) 969
FINAL HYDROSTATIC PRESSURE (H) 1692

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : RED OAK ENERGY INC.
RIG : RUSH-KANSAS
FIELD : SPREIER
WELL : 30-A1
DATE : 11/7/89
Gauge No : 10270

OPERATIONAL COMMENTS

15.165-21495-0000

COMPANY : RED OAK ENERGY INC.
 WELL : 30-A1
 GAUGE # : 10270
 DATE : 7/11/89

FIELD : SPREIER
 JOB # : 15147
 DEPTH : 3499
 TEST :

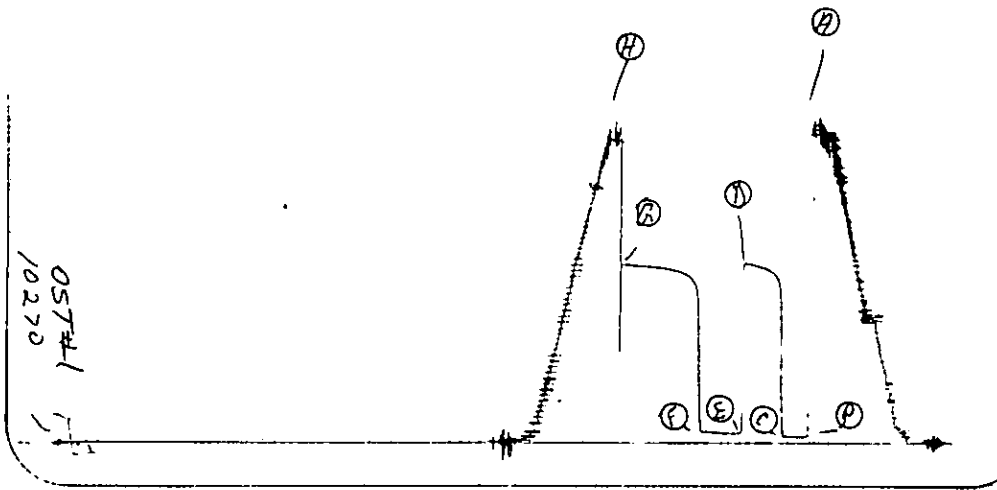
DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
INITIAL FLOW PERIOD					
2	5:20:0	0.000	37.000	106.00	0.000
3	5:24:59	0.083	37.000	106.00	0.000
4	5:30:0	0.167	37.000	106.00	0.000
5	5:35:0	0.250	38.000	106.00	1.000
6	5:39:59	0.333	40.000	106.00	2.000
INITIAL SHUT-IN PERIOD					
7	5:42:59	0.383	851.000	106.00	811.000
8	5:45:59	0.433	908.000	106.00	57.000
9	5:48:59	0.483	926.000	106.00	18.000
10	5:51:59	0.533	941.000	106.00	15.000
11	5:54:59	0.583	949.000	106.00	8.000
12	5:57:59	0.633	956.000	106.00	7.000
13	6:0:59	0.683	963.000	106.00	7.000
14	6:3:59	0.733	968.000	106.00	5.000
15	6:6:59	0.783	973.000	106.00	5.000
16	6:9:59	0.833	976.000	106.00	3.000
FINAL FLOW PERIOD					
17	6:11:0	0.850	55.000	106.00	-921.000
18	6:14:59	0.917	55.000	106.00	0.000
19	6:20:0	1.000	55.000	106.00	0.000
20	6:24:59	1.083	57.000	106.00	2.000
21	6:29:59	1.167	59.000	106.00	2.000
22	6:35:0	1.250	61.000	106.00	2.000
23	6:39:59	1.333	63.000	106.00	2.000
FINAL SHUT-IN PERIOD					
24	6:42:59	1.383	746.000	106.00	683.000
25	6:45:59	1.433	871.000	106.00	125.000
26	6:48:59	1.483	897.000	106.00	26.000
27	6:51:59	1.533	912.000	106.00	15.000
28	6:54:59	1.583	923.000	106.00	11.000
29	6:57:59	1.633	929.000	106.00	6.000
30	7:0:59	1.683	936.000	106.00	7.000
31	7:3:59	1.733	940.000	106.00	4.000
32	7:6:59	1.783	945.000	106.00	5.000
33	7:9:59	1.833	949.000	106.00	4.000
34	7:12:59	1.883	951.000	106.00	2.000
35	7:15:59	1.933	953.000	106.00	2.000
36	7:18:59	1.983	955.000	106.00	2.000
37	7:21:59	2.033	957.000	106.00	2.000
38	7:24:59	2.083	959.000	106.00	2.000
39	7:27:59	2.133	961.000	106.00	2.000
40	7:30:59	2.183	963.000	106.00	2.000
41	7:33:59	2.233	965.000	106.00	2.000
42	7:36:59	2.283	967.000	106.00	2.000
43	7:39:59	2.333	969.000	106.00	2.000

WESTERN TESTING CO. INC.

15.165.21495.0000

KT 15147

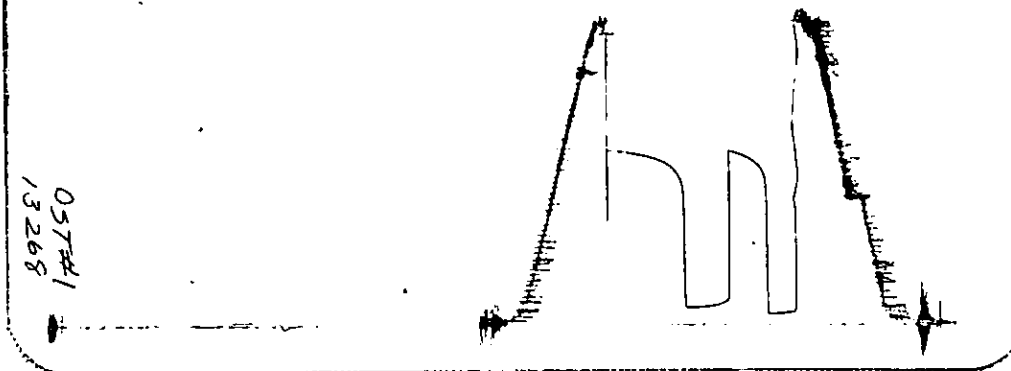
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Inside Recorder

KT 15147

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Outside Recorder