

15-109-20539

28-12s-33w

COMPANY RED OAK ENERGY, INC.

LEASE & WELL NO. AHRENS #1

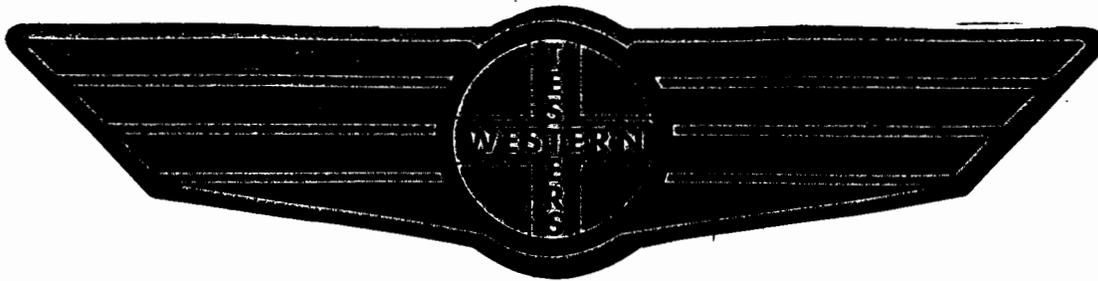
SEC. 28 TWP. 12S RGE. 33W TEST NO. 1 DATE

8/15/92

FORMATION

TEST ORIGINAL

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1 - 800-688-7021

ORIGINAL

DST REPORT

GENERAL INFORMATION

DATE	: 8-15-92	TICKET	: 17865
CUSTOMER	: RED OAK ENERGY INC.	LEASE	: AHRENS
WELL	: #1	TEST:	1
ELEVATION:	3131 K.B.	GEOLOGIST:	K.O.
SECTION	: 28	FORMATION:	MARMATON
RANGE	: 33W	COUNTY:	LOGAN
GAUGE SN#:	10979	TOWNSHIP	: 12S
		STATE	: KS
		RANGE	: 4100
		CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM:	4468.00 ft	TO:	4510.00 ft	TVD:	4510.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	4504.0 ft		4507.0 ft		
TEMPERATURE:	120.0				
DRILL COLLAR LENGTH:	300.0 ft	I.D.:		2.250 in	
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:		0.000 in	
DRILL PIPE LENGTH :	4146.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH :	22.0 ft	TOOL SIZE :		5.500 in	
ANCHOR LENGTH :	42.0 ft	ANCHOR SIZE:		5.500 in	
SURFACE CHOKE SIZE :	0.750 in	BOTTOM CHOKE SIZE:		0.750 in	
MAIN HOLE SIZE :	7.875 in	TOOL JOINT SIZE :		4.5XH	
PACKER DEPTH:	4463.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	4468.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	0.0 ft	SIZE:		0.000 in	
PACKER DEPTH:	0.0 ft	SIZE:		0.000 in	

MUD INFORMATION

DRILLING CON. :	BLUE GOOSE #1	VISCOSITY :	46.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	12.800 cc
WEIGHT :	9.100 ppg	SERIAL NUMBER:	
CHLORIDES :	7000 ppm	REVERSED OUT?:	NO
JARS-MAKE :			
DID WELL FLOW?:	NO		

COMMENTS

Comment

VERY WEAK BLOW 1 INCH INTO BUCKET ON INITIAL FLOW PERIOD. VERY WEAK BUILDING TO A STRONG BLOW ON FINAL FLOW PERIOD-8 INCHES INTO BUCKET.

DST REPORT (CONTINUED)

FLUID RECOVERY

<u>Feet of Fluid</u>	<u>% Oil</u>	<u>% Gas</u>	<u>% Water</u>	<u>% Mud</u>	<u>Comments</u>
10.0	100.0	0.0	0.0	0.0	FREE OIL
0.0	0.0	0.0	0.0	0.0	36 GRAVITY AT 60 DEGREES
160.0	30.0	15.0	0.0	55.0	GASSY OIL CUT MUD
0.0	0.0	0.0	0.0	0.0	220' GAS ABOVE FLUID

RATE INFORMATION

OIL VOLUME:	0.2852	STB		
GAS VOLUME:	0.6627	SCF	TOTAL FLOW TIME:	90.0000 min.
MUD VOLUME:	0.4327	STB	AVERAGE OIL RATE:	11.4872 STB/D
WATER VOLUME:	0.0000	STB	AVERAGE WATER RATE:	0.0000 STB/D
TOTAL FLUID :	0.7180	STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2185.00

<u>Description</u>	<u>Duration</u>	<u>p1</u>	<u>p End</u>
INITIAL FLOW	30.00	75.00	85.00
INITIAL SHUT-IN	30.00		155.00
FINAL FLOW	60.00	85.00	95.00
FINAL SHUT-IN	60.00		180.00

FINAL HYDROSTATIC PRESSURE: 2175.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2294.00

<u>Description</u>	<u>Duration</u>	<u>p1</u>	<u>p End</u>
INITIAL FLOW	30.00	93.00	98.00
INITIAL SHUT-IN	30.00		182.00
FINAL FLOW	60.00	115.00	120.00
FINAL SHUT-IN	60.00		189.00

FINAL HYDROSTATIC PRESSURE: 2241.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 8-15-92	TICKET : 17865
CUSTOMER : RED OAK ENERGY INC.	LEASE : AHRENS
WELL : #1 TEST: 1	GEOLOGIST: K.O.
ELEVATION: 3131 K.B.	FORMATION: MARMATON
SECTION : 28	TOWNSHIP : 12S
RANGE : 33W COUNTY: LOGAN	STATE : KS
GAUGE SN#: 10979 RANGE : 4100	CLOCK : 12

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	93.00	93.00
5.00	93.00	0.00
10.00	93.00	0.00
15.00	93.00	0.00
20.00	94.00	1.00
25.00	96.00	2.00
30.00	98.00	2.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	106.00	106.00	0.00
6.00	118.00	12.00	0.00
9.00	135.00	17.00	0.00
12.00	152.00	17.00	0.00
15.00	162.00	10.00	0.00
18.00	171.00	9.00	0.00
21.00	176.00	5.00	0.00
24.00	180.00	4.00	0.00
27.00	181.00	1.00	0.00
30.00	182.00	1.00	0.00

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	115.00	115.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
5.00	115.00	0.00
10.00	115.00	0.00
15.00	115.00	0.00
20.00	115.00	0.00
25.00	116.00	1.00
30.00	116.00	0.00
35.00	117.00	1.00
40.00	117.00	0.00
45.00	118.00	1.00
50.00	118.00	0.00
55.00	119.00	1.00
60.00	120.00	1.00

FINAL SHUT IN

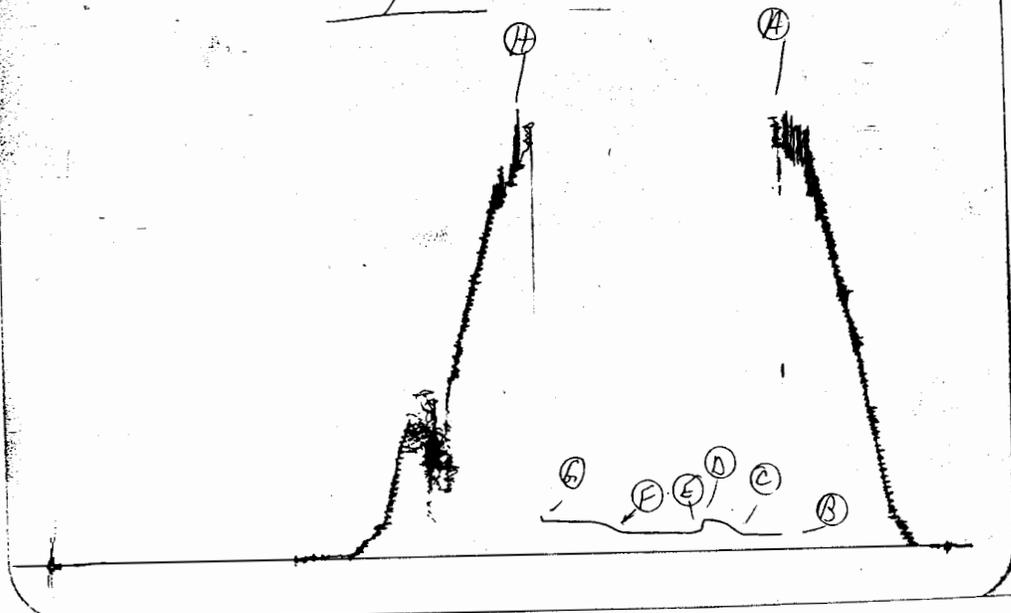
<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	125.00	125.00	0.00
6.00	136.00	11.00	0.00
9.00	150.00	14.00	0.00
12.00	161.00	11.00	0.00
15.00	171.00	10.00	0.00
18.00	174.00	3.00	0.00
21.00	178.00	4.00	0.00
24.00	183.00	5.00	0.00
27.00	185.00	2.00	0.00
30.00	186.00	1.00	0.00
33.00	186.00	0.00	0.00
36.00	186.00	0.00	0.00
39.00	187.00	1.00	0.00
42.00	187.00	0.00	0.00
45.00	187.00	0.00	0.00
48.00	188.00	1.00	0.00
51.00	188.00	0.00	0.00
54.00	188.00	0.00	0.00
57.00	189.00	1.00	0.00
60.00	189.00	0.00	0.00

ORIGINAL

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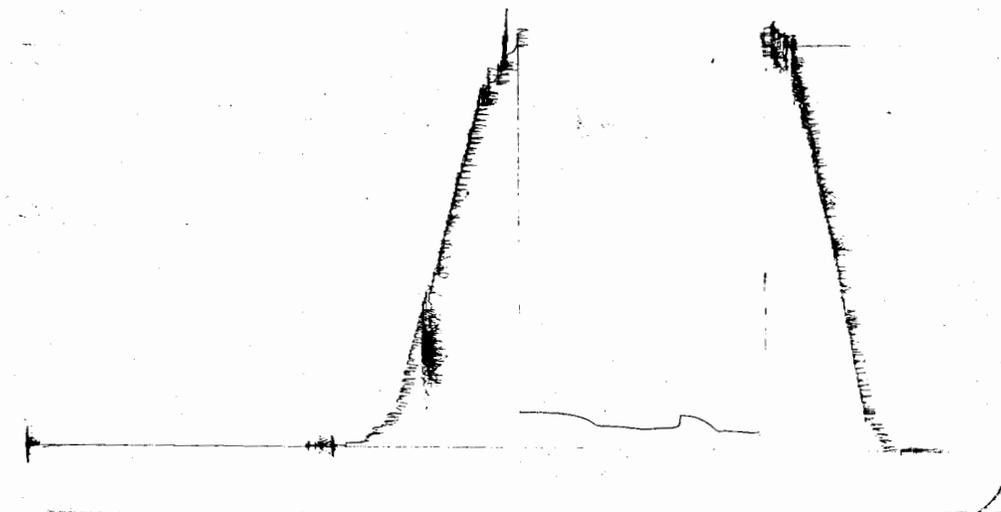


Inside Recorder

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KT 17865

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Outside Recorder

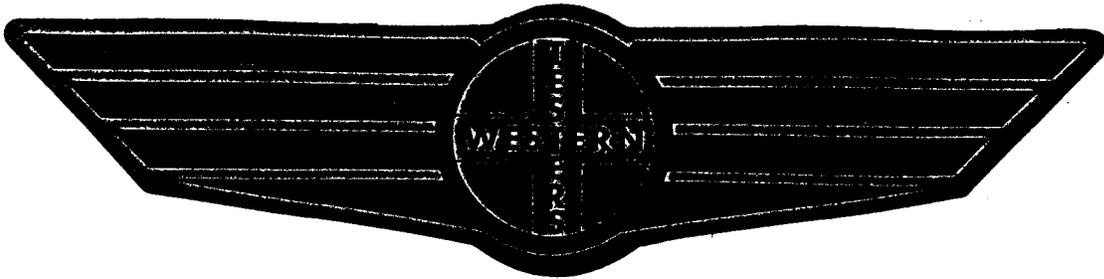
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FORMATION

TEST

ORIGINAL

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1 - 800-688-7021

COMPANYPED OAK ENERGY, INC.

LEASE & WELL NO. AHRENS #1

SEC. 28 TWP. 12S RGE. 33W TEST NO. 2 DATE

8/16/92

ORIGINAL

DST REPORT

GENERAL INFORMATION

DATE : 8/16/92
CUSTOMER : RED OAK ENERGY, INC.
WELL : 1 TEST: 2
ELEVATION: 3140 KB
SECTION : 28
RANGE : 33W COUNTY: LOGAN
GAUGE SN#: 13521 RANGE : 4375
TICKET : 18771
LEASE : AHRENS
GEOLOGIST: ?
FORMATION: JOHNSON
TOWNSHIP : 12S
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4640.00 ft TO: 4712.00 ft TVD: 4712.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 4645.0 ft 4648.0 ft
TEMPERATURE: 122.0

DRILL COLLAR LENGTH: 309.0 ft I.D.: 2.200 in
WEIGHT PIPE LENGTH : 0.0 ft I.D.: 0.000 in
DRILL PIPE LENGTH : 4310.0 ft I.D.: 3.800 in
TEST TOOL LENGTH : 21.0 ft TOOL SIZE : 5.500 in
ANCHOR LENGTH : 72.0 ft ANCHOR SIZE: 5.500 in
SURFACE CHOKE SIZE : 0.750 in BOTTOM CHOKE SIZE: 0.750 in
MAIN HOLE SIZE : 7.875 in TOOL JOINT SIZE : 4.5XH
PACKER DEPTH: 4635.0 ft SIZE: 6.630 in
PACKER DEPTH: 4640.0 ft SIZE: 6.630 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in

MUD INFORMATION

DRILLING CON. : BLUE GOOSE DRLG.
MUD TYPE : CHEMICAL
WEIGHT : 9.300 ppg
CHLORIDES : 9000 ppm
JARS-MAKE : W.T.C.
DID WELL FLOW?: NO
VISCOSITY : 50.00 cp
WATER LOSS: 15.200 cc
SERIAL NUMBER: 900
REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK SURFACE BLOW.
FINAL FLOW PERIOD NO BLOW.
USED 61' OF D.P.F./ANCHOR

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
20.0	0.0	0.0	0.0	100.0	MUD W/SPOTS OF OIL

RATE INFORMATION

OIL VOLUME:	0.0000	STB		TOTAL FLOW TIME:	60.0000 min.
GAS VOLUME:	0.0000	SCF		AVERAGE OIL RATE:	2.2567 STB/D
MUD VOLUME:	0.0940	STB		AVERAGE WATER RATE:	0.0000 STB/D
WATER VOLUME:	0.0000	STB			
TOTAL FLUID :	0.0940	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2382.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	33.00	33.00
INITIAL SHUT-IN	30.00		66.00
FINAL FLOW	30.00	39.00	39.00
FINAL SHUT-IN	30.00		66.00

FINAL HYDROSTATIC PRESSURE: 2371.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2380.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	52.00	52.00
INITIAL SHUT-IN	33.00		96.00
FINAL FLOW	30.00	57.00	57.00
FINAL SHUT-IN	30.00		80.00

FINAL HYDROSTATIC PRESSURE: 2293.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 8/16/92	TICKET : 18771
CUSTOMER : RED OAK ENERGY, INC.	LEASE : AHRENS
WELL : 1 TEST: 2	GEOLOGIST: ?
ELEVATION: 3140 KB	FORMATION: JOHNSON
SECTION : 28	TOWNSHIP : 12S
RANGE : 33W COUNTY: LOGAN	STATE : KS
GAUGE SN#: 13521 RANGE : 4375	CLOCK : 12

INITIAL FLOW

<u>Time</u> (min)	<u>Pressure</u>	<u>Delta P</u>
0.00	52.00	52.00
5.00	52.00	0.00
10.00	52.00	0.00
15.00	52.00	0.00
20.00	52.00	0.00
25.00	52.00	0.00
30.00	52.00	0.00

INITIAL SHUT IN

<u>Time</u> (min)	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	53.00	53.00	0.00
6.00	55.00	2.00	0.00
9.00	59.00	4.00	0.00
12.00	63.00	4.00	0.00
15.00	70.00	7.00	0.00
18.00	77.00	7.00	0.00
21.00	81.00	4.00	0.00
24.00	84.00	3.00	0.00
27.00	86.00	2.00	0.00
30.00	90.00	4.00	0.00
33.00	96.00	6.00	0.00

FINAL FLOW

<u>Time</u> (min)	<u>Pressure</u>	<u>Delta P</u>
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PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	57.00	57.00
5.00	57.00	0.00
10.00	57.00	0.00
15.00	57.00	0.00
20.00	57.00	0.00
25.00	57.00	0.00
30.00	57.00	0.00

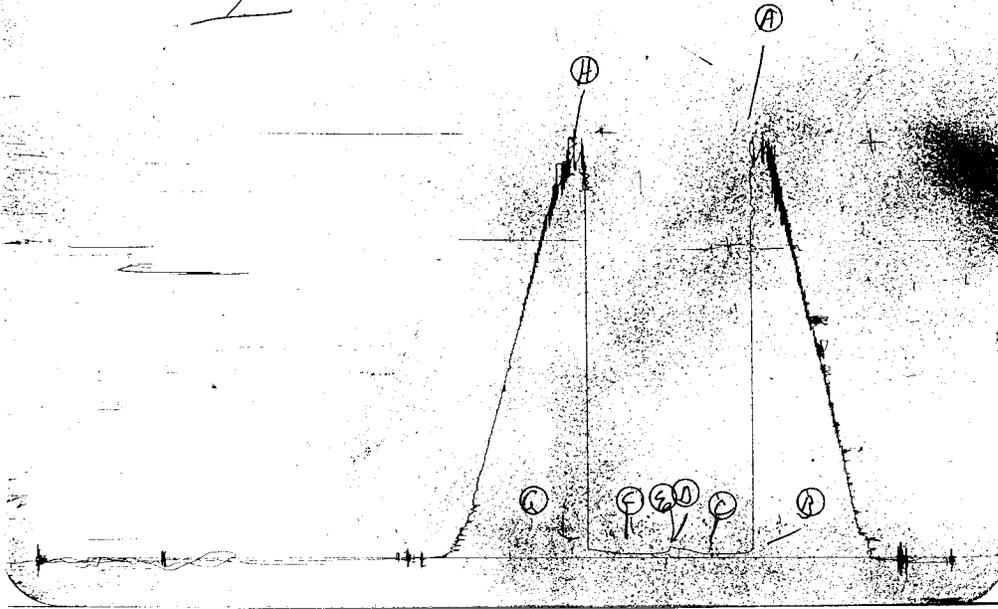
FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	57.00	57.00	0.00
6.00	57.00	0.00	0.00
9.00	60.00	3.00	0.00
12.00	62.00	2.00	0.00
15.00	65.00	3.00	0.00
18.00	69.00	4.00	0.00
21.00	74.00	5.00	0.00
24.00	76.00	2.00	0.00
27.00	78.00	2.00	0.00
30.00	80.00	2.00	0.00

ORIGINAL

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OST # 2
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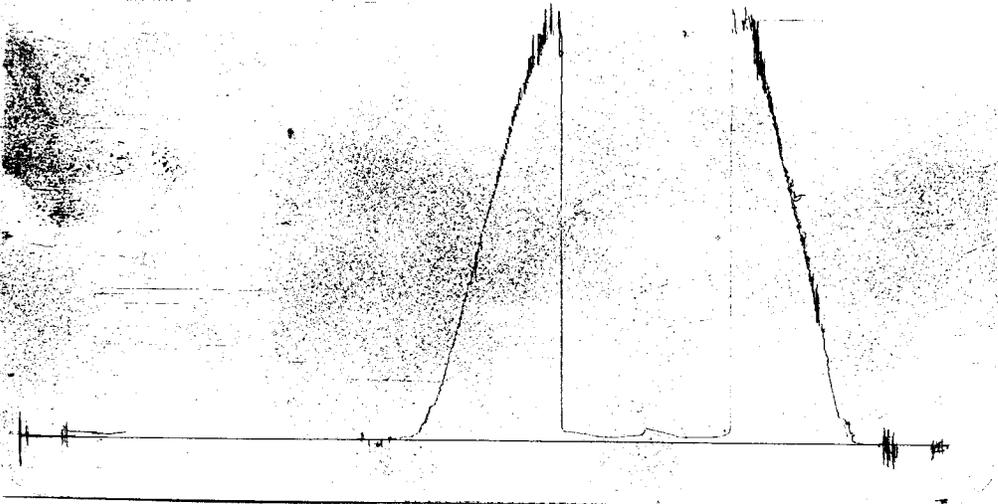


Inside Recorder

1500
OST # 2

~~KA 18771~~

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Outside Recorder