

ORIGINAL

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

KCC

API NO. 15- 119-20,866-00-00

AUG 16

County Meade

NW - NE - NE Sec. 22 Twp. 34S Rge. 28 X W

CONFIDENTIAL

Operator: License # 3581

1950 Feet from W (circle one) Line of Section

Name: Red Oak Energy, Inc.

1990 Feet from W (circle one) Line of Section

Address 200 W. Douglas, Ste. 510

Footages Calculated from Nearest Outside Section Corner:  
NE, SE, NW or SW (circle one)

City/State/Zip Wichita, KS 67202

Lease Name Bohling Well # 2-22

Purchaser: Coastal Gas

Field Name Meierdierks, Johan

Operator Contact Person: Kevin C. Davis

Producing Formation Council Grove

Phone (316) 265-9925

Elevation: Ground 2287' KB 2296'

Contractor: Name: Murfin Drilling Company, Inc.

Total Depth 3300' PSTD 3400'

License: 30606

Amount of Surface Pipe Set and Cemented at 1270 Feet

Wellsite Geologist: Scott Banks

Multiple Stage Cementing Collar Used? Yes X No

Designate Type of Completion

X New Well      Re-Entry      Workover

If yes, show depth set      Feet

     Oil      SWD      SIOW      Temp. Abd.  
X Gas      ENHR      SIGW  
     Dry      Other (Core, MSW, Expl., Cathodic, etc)

If Alternate II completion, cement circulated from     

feet depth to      w/      sx cmt.

If Workover/Re-Entry: old well info as follows:

RELEASED

Drilling Fluid Management Plan NA 8-25-93  
(Data must be collected from the Reserve Pit)

Operator:     

Chloride content NA ppm Fluid volume 840 bbls

Well Name:     

FROM CONFIDENTIAL

Dewatering method used Haul free water

Comp. Date      Old Total Depth     

Location of fluid disposal if hauled offsite:     

     Deepening      Re-perf.      Conv. to Inj/SWD  
     Plug Back      PSTD  
     Commingled      Docket No.       
     Dual Completion      Docket No.       
     Other (SWD or Inj?) Docket No.     

Operator Name Dilco fluid Service, Inc!

Lease Name Regier License No. 6652

NE Quarter 17 Sec. 17 Twp. 33 S Rng. 27 E/W

County Meade Docket No. CD- 9824

06-24-93 07-01-93 7-13-'93  
Spud Date Date Reached TD Completion Date

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 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 geologist well report 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.

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 8/16/93

Subscribed and sworn to before me this 16 day of August, 1993.

Notary Public Darlene J. May

Date Commission Expires August 28, 1996

RECEIVED  
K.C.C. OFFICE USE ONLY  
STATE CORPORATION COMMISSION  
F      Letter of Intent Received  
C      Wireline Log Received  
C      Geologist Report Received  
AUG 16 1993  
AUG 20 1993  
Distribution  
     KCC  
     KGS  
     CONSERVATION DIVISION  
     Plugged Wells  
Wichita, Kansas  
(Specify)

DARLENE J. MAY  
Notary Public - State of Kansas  
My Appt. Expires

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SIDE TWO

Operator Name Red Oak Energy, Inc. Lease Name Bohling Well # 2-22  
 Sec. 22 Twp. 34S Rge. 28  East  West  
 County Meade

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 (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Wreford	2820	(=524)
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Council Grove	2920	(-624)
List All E.Logs Run:	Density - Neutron Dual Induction Bond Log			

CASING RECORD <input checked="" 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
conductor		20"		40'	Premium Plus	100	
surface	12 1/4"	8-5/8"	24	1270'	Class A & lite	600	2%Gel 3%CC
production	7-7/8"	4 1/2"	105	3288'	Premium Plus	150	

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated		Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)		Depth
	2	2946-56		1000 Gal 15% MCA	
2	2922-32		1000 Gal 15% MCA	2922-32	

TUBING RECORD		Size 2"	Set At	Packer At 2941'	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First Resumed Production, SWD or Inj. 7/14/93			Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil 0	Bbls.	Gas 1050	Mcf	Water 0	Bbls. Gas-Oil Ratio Gravity

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

METHOD OF COMPLETION:  Open Hole  Perf.  Dually Comp.  Commingled

Production Interval:  Other (Specify)

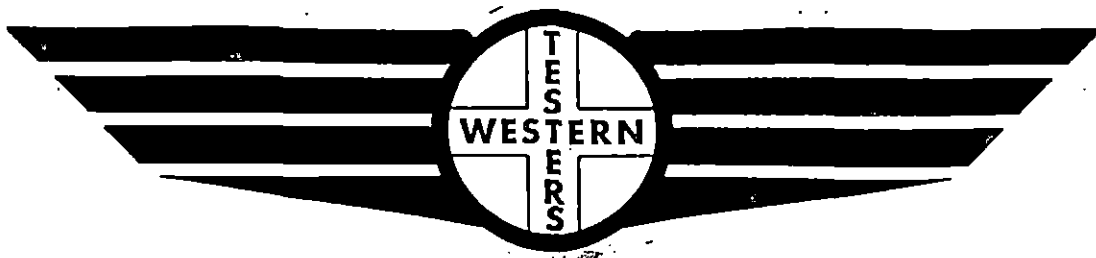
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FORMATION

TEST

REPORT

RELEASED  
SEP 6 1994  
FROM CONFIDENTIAL



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1 - 800-688-7021

COMPANY RED OAK ENERGY INC. LEASE & WELL NO. BOILING #2-22 SEC. 22 IMP. 345 RGE. 28W TEST NO. 1 DATE 6-28-93

DST REPORT

GENERAL INFORMATION

DATE : 6-28-93  
CUSTOMER : RED OAK ENERGY INC.  
WELL : 2-22 TEST: 1  
ELEVATION: 2296 K.B.  
SECTION : 22  
RANGE : 28W COUNTY: MEAD  
GAUGE SN#: 10242 RANGE : 4100  
TICKET : 19014  
LEASE : BOHLING  
GEOLOGIST: DAVIS  
FORMATION: COUNCIL GROVE  
TOWNSHIP : 34S  
STATE : KS  
CLOCK : 12HR

WELL INFORMATION

PERFORATION INTERVAL FROM: 2902.00 ft TO: 2928.00 ft TVD: 2928.0 ft  
DEPTH OF SELECTIVE ZONE: NONE TEST TYPE: GAS  
DEPTH OF RECORDERS: 2914.0 ft 2917.0 ft  
TEMPERATURE: 92.0  
DRILL COLLAR LENGTH: 520.0 ft I.D.: 2.250 in  
WEIGHT PIPE LENGTH : 0.0 ft I.D.: 0.000 in  
DRILL PIPE LENGTH : 2360.0 ft I.D.: 3.800 in  
TEST TOOL LENGTH : 22.0 ft TOOL SIZE : 5.500 in  
ANCHOR LENGTH : 26.0 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: 2902.0 ft SIZE: 6.625 in  
PACKER DEPTH: 0.0 ft SIZE: 0.000 in  
PACKER DEPTH: 0.0 ft SIZE: 0.000 in  
PACKER DEPTH: 0.0 ft SIZE: 0.000 in

MUD INFORMATION

DRILLING CON. : MURFIN RIG #21  
MUD TYPE : CHEMICAL VISCOSITY : 45.00 cp  
WEIGHT : 9.000 ppg WATER LOSS: 9.200 cc  
CHLORIDES : 3500 ppm  
JARS-MAKE : W.T.C. SERIAL NUMBER: 405  
DID WELL FLOW?: YES REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD STRONG BLOW GAS TO SURFACE IN  
2MIN SEE GAS FLOW CHART  
FINAL FLOW PERIOD SEE GAS FLOW CHART

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## DST REPORT (CONTINUED)

RELEASED

## FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
120.0	0.0	3.0	0.0	97.0	SLIGHTLY GAS CUT MUD

SEP 6 1994

FROM CONFIDENTIAL

## RATE INFORMATION

OIL VOLUME:	0.0000	STB	TOTAL FLOW TIME:	90.0000	min.
GAS VOLUME:	0.0994	SCF	AVERAGE OIL RATE:	0.0000	STB/D
MUD VOLUME:	0.5724	STB	AVERAGE WATER RATE:	0.0000	STB/D
WATER VOLUME:	0.0000	STB			
TOTAL FLUID :	0.5724	STB			

## FIELD TIME &amp; PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1502.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	425.00	425.00
INITIAL SHUT-IN	45.00		492.00
FINAL FLOW	60.00	432.00	436.00
FINAL SHUT-IN	90.00		492.00

FINAL HYDROSTATIC PRESSURE: 1476.00

## OFFICE TIME &amp; PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1472.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	408.00	408.00
INITIAL SHUT-IN	45.00		488.00
FINAL FLOW	60.00	427.00	429.00
FINAL SHUT-IN	90.00		485.00

FINAL HYDROSTATIC PRESSURE: 1453.00

**GAS FLOW REPORT**

**GENERAL INFORMATION**

DATE : 6-28-93	TICKET : 19014
CUSTOMER : RED OAK ENERGY INC.	LEASE : BOHLING
WELL : 2-22                      TEST: 1	GEOLOGIST: DAVIS
ELEVATION: 2296 K.B.	FORMATION: COUNCIL GROVE
SECTION : 22	TOWNSHIP : 34S
RANGE : 28W                      COUNTY: MEAD	STATE : KS
GAUGE SN#: 10242                      RANGE : 4100	CLOCK : 12HR

**PRE FLOW**

Time Guage (min)	Tester Type	Orifice Size	Pressure	Flow Desc.
5	MERLA	1.000	34 PSI	1043000 SCF/D
10	MERLA	1.000	52 PSI	1422000 SCF/D
15	MERLA	1.000	57 PSI	1531000 SCF/D
20	MERLA	1.000	60 PSI	1596000 SCF/D
25	MERLA	1.000	62 PSI	1639000 SCF/D
30	MERLA	1.000	62 PSI	1639000 SCF/D
		0.000		0 SCF/D
		0.000		0 SCF/D
		0.000		0 SCF/D

**SECOND FLOW**

Time Guage (min)	Tester Type	Orifice Size	Pressure	Flow Desc.
5	MERLA	1.000	62 PSI	1639000 SCF/D
10	MERLA	1.000	66 PSI	1726000 SCF/D
15	MERLA	1.000	68 PSI	1770000 SCF/D
20	MERLA	1.000	68 PSI	1770000 SCF/D
25	MERLA	1.000	66 PSI	1726000 SCF/D
30	MERLA	1.000	68 PSI	1770000 SCF/D
35	MERLA	1.000	68 PSI	1770000 SCF/D
40	MERLA	1.000	70 PSI	1813000 SCF/D
45	MERLA	1.000	70 PSI	1813000 SCF/D
50	MERLA	1.000	70 PSI	1813000 SCF/D
55	MERLA	1.000	70 PSI	1813000 SCF/D
60	MERLA	1.000	70 PSI	1813000 SCF/D
		0.000		0 SCF/D
		0.000		0 SCF/D
		0.000		0 SCF/D
		0.000		0 SCF/D

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GAS FLOW REPORT (CONTINUED)

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PRE FLOW

<u>Time Guage (min)</u>	<u>Tester Type</u>	<u>Orifice Size</u>	<u>Pressure</u>	<u>Flow Desc.</u>
		0.000		0 SCF/D
		0.000		0 SCF/D
		0.000		0 SCF/D
		0.000		0 SCF/D

RELEASED

AUG 6 1994

FROM CONFIDENTIAL

**PRESSURE TRANSIENT REPORT**

**GENERAL INFORMATION**

DATE : 6-28-93	TICKET : 19014
CUSTOMER : RED OAK ENERGY INC.	LEASE : BOHLING
WELL : 2-22 TEST: 1	GEOLOGIST: DAVIS
ELEVATION: 2296 K.B.	FORMATION: COUNCIL GROVE
SECTION : 22	TOWNSHIP : 34S
RANGE : 28W COUNTY: MEAD	STATE : KS
GAUGE SN#: 10242 RANGE : 4100	CLOCK : 12HR

**INITIAL FLOW**

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	408.00	408.00
5.00	408.00	0.00
10.00	408.00	0.00
15.00	408.00	0.00
20.00	408.00	0.00
25.00	408.00	0.00
30.00	408.00	0.00

**INITIAL SHUT IN**

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	467.00	467.00	0.00
6.00	474.00	7.00	0.00
9.00	476.00	2.00	0.00
12.00	478.00	2.00	0.00
15.00	479.00	1.00	0.00
18.00	480.00	1.00	0.00
21.00	481.00	1.00	0.00
24.00	482.00	1.00	0.00
27.00	483.00	1.00	0.00
30.00	484.00	1.00	0.00
33.00	485.00	1.00	0.00
36.00	486.00	1.00	0.00
39.00	487.00	1.00	0.00
42.00	488.00	1.00	0.00
45.00	488.00	0.00	0.00



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## PRESSURE TRANSIENT REPORT (CONTINUED)

## FINAL FLOW

Time (min)	Pressure	Delta P
0.00	427.00	427.00
5.00	427.00	0.00
10.00	427.00	0.00
15.00	427.00	0.00
20.00	428.00	1.00
25.00	427.00	-1.00
30.00	427.00	0.00
35.00	427.00	0.00
40.00	427.00	0.00
45.00	427.00	0.00
50.00	427.00	0.00
55.00	428.00	1.00
60.00	429.00	1.00

RELEASED

SEP 6 1994

FROM CONFIDENTIAL

## FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	455.00	455.00	0.00
6.00	464.00	9.00	0.00
9.00	469.00	5.00	0.00
12.00	471.00	2.00	0.00
15.00	474.00	3.00	0.00
18.00	475.00	1.00	0.00
21.00	476.00	1.00	0.00
24.00	476.00	0.00	0.00
27.00	477.00	1.00	0.00
30.00	477.00	0.00	0.00
33.00	478.00	1.00	0.00
36.00	478.00	0.00	0.00
39.00	479.00	1.00	0.00
42.00	479.00	0.00	0.00
45.00	480.00	1.00	0.00
48.00	481.00	1.00	0.00
51.00	481.00	0.00	0.00
54.00	481.00	0.00	0.00
57.00	482.00	1.00	0.00
60.00	482.00	0.00	0.00
63.00	482.00	0.00	0.00
66.00	483.00	1.00	0.00
69.00	483.00	0.00	0.00
72.00	483.00	0.00	0.00
75.00	484.00	1.00	0.00

DST REPORT

GENERAL INFORMATION

DATE : 6/29/93  
CUSTOMER : RED OAK ENERGY INC.  
WELL : 2-22 TEST: 2  
ELEVATION: 2296 K.B.  
SECTION : 22  
RANGE : 28W COUNTY: MEADE  
GAUGE SN#: 10242 RANGE : 4100  
TICKET : 19015  
LEASE : BOHLING  
GEOLOGIST: DAVIS  
FORMATION: COUNCIL GROVE  
TOWNSHIP : 34S  
STATE : KS  
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 2942.00 ft TO: 2960.00 ft TVD: 2960.0 ft  
DEPTH OF SELECTIVE ZONE: TEST TYPE: GAS  
DEPTH OF RECORDERS: 2949.0 ft 2952.0 ft  
TEMPERATURE: 98.0

DRILL COLLAR LENGTH:	520.0 ft	I.D.:	2.250 in
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH :	2394.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	28.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	18.0 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:	2937.0 ft	SIZE:	6.630 in
PACKER DEPTH:	2942.0 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. : MURFIN RIG #21  
MUD TYPE : CHEMICAL  
WEIGHT : 9.000 ppg  
CHLORIDES : 6000 ppm  
JARS-MAKE : W.T.C.  
DID WELL FLOW?: NO  
VISCOSITY : 44.00 cp  
WATER LOSS: 11.800 cc  
SERIAL NUMBER: 405  
REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD STRONG BLOW GAS TO SURFACE IN  
1 MINUTE. FINAL FLOW PERIOD STRONG BLOW  
IMMEDIATELY. SEE GAS SHEET ATTACHED.

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## DST REPORT (CONTINUED)

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## FLUID RECOVERY

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Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
30.0	0.0	0.0	0.0	100.0	MUD

## RATE INFORMATION

OIL VOLUME:	0.0000	STB	TOTAL FLOW TIME:	70.0000	min.
GAS VOLUME:	0.0000	SCF	AVERAGE OIL RATE:	0.0000	STB/D
MUD VOLUME:	0.1475	STB	AVERAGE WATER RATE:	0.0000	STB/D
WATER VOLUME:	0.0000	STB			
TOTAL FLUID :	0.1475	STB			

## FIELD TIME &amp; PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1484.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	515.00	551.00
INITIAL SHUT-IN	45.00		755.00
FINAL FLOW	45.00	574.00	550.00
FINAL SHUT-IN	60.00		755.00

FINAL HYDROSTATIC PRESSURE: 1476.00

## OFFICE TIME &amp; PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1454.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	526.00	560.00
INITIAL SHUT-IN	45.00		761.00
FINAL FLOW	40.00	590.00	575.00
FINAL SHUT-IN	60.00		760.00

FINAL HYDROSTATIC PRESSURE: 1452.00

GAS FLOW REPORT

GENERAL INFORMATION

DATE : 6/29/93	TICKET : 19015
CUSTOMER : RED OAK ENERGY INC.	LEASE : BOHLING
WELL : 2-22                      TEST: 2	GEOLOGIST: DAVIS
ELEVATION: 2296 K.B.	FORMATION: COUNCIL GROVE
SECTION : 22	TOWNSHIP : 34S
RANGE : 28W                      COUNTY: MEADE	STATE : KS
GAUGE SN#: 10242                      RANGE : 4100	CLOCK : 12

PRE FLOW

Time Guage (min)	Tester Type	Orifice Size	Pressure	Flow Desc.
5 MIN	MERLA	1.500	24 PSIG	2200000 SCF/D
10 MIN	MERLA	1.500	32 PSIG	2675000 SCF/D
15 MIN	MERLA	1.500	34 PSIG	2798000 SCF/D
20 MIN	MERLA	1.500	34 PSIG	2798000 SCF/D
25 MIN	MERLA	1.500	36 PSIG	2916000 SCF/D
30 MIN	MERLA	1.500	36 PSIG	2916000 SCF/D

SECOND FLOW

Time Guage (min)	Tester Type	Orifice Size	Pressure	Flow Desc.
5 MIN	MERLA	1.500	36 PSIG	2916000 SCF/D
10 MIN	MERLA	1.500	38 PSIG	3036000 SCF/D
15 MIN	MERLA	1.500	38 PSIG	3036000 SCF/D
20 MIN	MERLA	1.500	38 PSIG	3036000 SCF/D
25 MIN	MERLA	1.500	38 PSIG	3036000 SCF/D
30 MIN	MERLA	1.500	38 PSIG	3036000 SCF/D
35 MIN	MERLA	1.500	38 PSIG	3036000 SCF/D
40 MIN	MERLA	1.500	38 PSIG	3036000 SCF/D
45 MIN	MERLA	1.500	38 PSIG	3036000 SCF/D

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## PRESSURE TRANSIENT REPORT

CONFIDENTIAL

FROM CONFIDENTIAL

## GENERAL INFORMATION

DATE	: 6/29/93	TICKET	: 19015
CUSTOMER	: RED OAK ENERGY INC.	LEASE	: BOHLING
WELL	: 2-22	TEST: 2	GEOLOGIST: DAVIS
ELEVATION	: 2296 K.B.	FORMATION	: COUNCIL GROVE
SECTION	: 22	TOWNSHIP	: 34S
RANGE	: 28W	COUNTY: MEADE	STATE : KS
GAUGE SN#	: 10242	RANGE : 4100	CLOCK : 12

## INITIAL FLOW

<u>Time</u> <u>(min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	526.00	526.00
5.00	529.00	3.00
10.00	544.00	15.00
15.00	548.00	4.00
20.00	556.00	8.00
25.00	558.00	2.00
30.00	560.00	2.00

## INITIAL SHUT IN

<u>Time</u> <u>(min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	727.00	727.00	0.00
6.00	742.00	15.00	0.00
9.00	748.00	6.00	0.00
12.00	753.00	5.00	0.00
15.00	755.00	2.00	0.00
18.00	756.00	1.00	0.00
21.00	756.00	0.00	0.00
24.00	756.00	0.00	0.00
27.00	757.00	1.00	0.00
30.00	758.00	1.00	0.00
33.00	759.00	1.00	0.00
36.00	760.00	1.00	0.00
39.00	761.00	1.00	0.00
42.00	761.00	0.00	0.00
45.00	761.00	0.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	590.00	590.00
5.00	590.00	0.00
10.00	583.00	-7.00
15.00	578.00	-5.00
20.00	574.00	-4.00
25.00	575.00	1.00
30.00	575.00	0.00
35.00	575.00	0.00
40.00	575.00	0.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	721.00	721.00	0.00
6.00	736.00	15.00	0.00
9.00	743.00	7.00	0.00
12.00	746.00	3.00	0.00
15.00	748.00	2.00	0.00
18.00	750.00	2.00	0.00
21.00	751.00	1.00	0.00
24.00	752.00	1.00	0.00
27.00	753.00	1.00	0.00
30.00	754.00	1.00	0.00
33.00	755.00	1.00	0.00
36.00	756.00	1.00	0.00
39.00	757.00	1.00	0.00
42.00	757.00	0.00	0.00
45.00	758.00	1.00	0.00
48.00	758.00	0.00	0.00
51.00	759.00	1.00	0.00
54.00	759.00	0.00	0.00
57.00	760.00	1.00	0.00
60.00	760.00	0.00	0.00

COMPANY RED OAK ENERGY, INC. LEASE & WELL NO. #2-22 BOILING SEC. 22 TWP. 34S. RGE. 28W TEST NO. 3 DATE 6/29/93

KCC

AUG 16

CONFIDENTIAL

# FORMATION

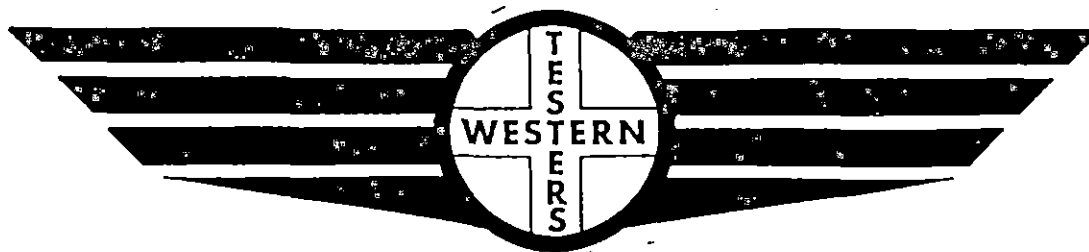
# TEST

# REPORT

RELEASED

SEP 6 1994

FROM CONFIDENTIAL.



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1 - 800 - 688 - 7021

DST REPORT

GENERAL INFORMATION

DATE : 6/29/93  
CUSTOMER : RED OAK ENERGY INC.  
WELL : 2-22 TEST: 3  
ELEVATION: 2296 K.B.  
SECTION : 22  
RANGE : 28W COUNTY: MEADE  
GAUGE SN#: 10242 RANGE : 4100  
TICKET : 19016  
LEASE : BOHLING  
GEOLOGIST: DAVIS  
FORMATION: COUNCIL GROVE  
TOWNSHIP : 34S  
STATE : KS  
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 2965.00 ft TO: 2985.00 ft TVD: 2985.0 ft  
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL  
DEPTH OF RECORDERS: 2972.0 ft 2975.0 ft  
TEMPERATURE: 112.0  
DRILL COLLAR LENGTH: 520.0 ft I.D.: 2.250 in  
WEIGHT PIPE LENGTH : 0.0 ft I.D.: 0.000 in  
DRILL PIPE LENGTH : 2417.0 ft I.D.: 3.800 in  
TEST TOOL LENGTH : 28.0 ft TOOL SIZE : 5.500 in  
ANCHOR LENGTH : 20.0 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: 2960.0 ft SIZE: 6.630 in  
PACKER DEPTH: 2965.0 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. : MURFIN RIG #21  
MUD TYPE : CHEMICAL  
WEIGHT : 8.900 ppg  
CHLORIDES : 8000 ppm  
JARS-MAKE : W.T.C.  
DID WELL FLOW?: NO  
VISCOSITY : 43.00 cp  
WATER LOSS: 12.500 cc  
SERIAL NUMBER: 405  
REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK SURFACE BLOW SLOWLY  
BUILDING TO 3 INCHES IN BUCKET. FINAL FLOW PERIOD  
WEAK SURFACE BLOW SLOWLY BUILDING TO 2 INCHES



AUG 16

## DST REPORT (CONTINUED)

CONFIDENTIAL

## COMMENTS (CONTINUED)

Comment

RELEASED

IN BUCKET.

SEP 6 1994

FROM CONFIDENTIAL

## FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
20.0	0.0	0.0	0.0	100.0	MUD
130.0	0.0	0.0	60.0	40.0	MUD CUT WATER
0.0	0.0	0.0	0.0	0.0	CHLORIDES 54000 PPM

## RATE INFORMATION

OIL VOLUME:	0.0000	STB	TOTAL FLOW TIME:	40.0000	min.
GAS VOLUME:	0.0000	SCF	AVERAGE OIL RATE:	0.0000	STB/D
MUD VOLUME:	0.3541	STB	AVERAGE WATER RATE:	23.0138	STB/D
WATER VOLUME:	0.3836	STB			
TOTAL FLUID :	0.7376	STB			

## FIELD TIME &amp; PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1480.00

Description	Duration	p1	p End
INITIAL FLOW	20.00	51.00	56.00
INITIAL SHUT-IN	20.00		860.00
FINAL FLOW	20.00	84.00	84.00
FINAL SHUT-IN	20.00		860.00

FINAL HYDROSTATIC PRESSURE: 1476.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1467.00

Description	Duration	p1	p End
INITIAL FLOW	20.00	35.00	47.00
INITIAL SHUT-IN	21.00		853.00
FINAL FLOW	20.00	82.00	83.00
FINAL SHUT-IN	24.00		853.00

FINAL HYDROSTATIC PRESSURE: 1464.00

AUG 16

## PRESSURE TRANSIENT REPORT

CONFIDENTIAL

## GENERAL INFORMATION

DATE : 6/29/93	TICKET : 19016
CUSTOMER : RED OAK ENERGY INC.	LEASE : BOHLING
WELL : 2-22 TEST: 3	GEOLOGIST: DAVIS
ELEVATION: 2296 K.B.	FORMATION: COUNCIL GROVE
SECTION : 22	TOWNSHIP : 34S
RANGE : 28W	STATE : KS
COUNTY: MEADE	CLOCK : 12
GAUGE SN#: 10242	RANGE : 4100

## INITIAL FLOW

RELEASED

Time (min)	Pressure	Delta P
0.00	35.00	35.00
5.00	35.00	0.00
10.00	35.00	0.00
15.00	36.00	1.00
20.00	47.00	11.00

SEP 6 1994

FROM CONFIDENTIAL

## INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	644.00	644.00	0.00
6.00	806.00	162.00	0.00
9.00	829.00	23.00	0.00
12.00	840.00	11.00	0.00
15.00	849.00	9.00	0.00
18.00	851.00	2.00	0.00
21.00	853.00	2.00	0.00

## FINAL FLOW

Time (min)	Pressure	Delta P
0.00	82.00	82.00
5.00	82.00	0.00
10.00	82.00	0.00
15.00	82.00	0.00
20.00	83.00	1.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	632.00	632.00	0.00
6.00	798.00	166.00	0.00
9.00	821.00	23.00	0.00
12.00	835.00	14.00	0.00
15.00	843.00	8.00	0.00
18.00	847.00	4.00	0.00
21.00	851.00	4.00	0.00
24.00	853.00	2.00	0.00

COMPANY RED OAK ENERGY, INC. LEASE & WELL NO. #2-22 BOILING SEC. 22 TWP. 34S RGE. 28W TEST NO. 4 DATE 6/30/93

KCC

AUG 1 6

CONFIDENTIAL

# FORMATION

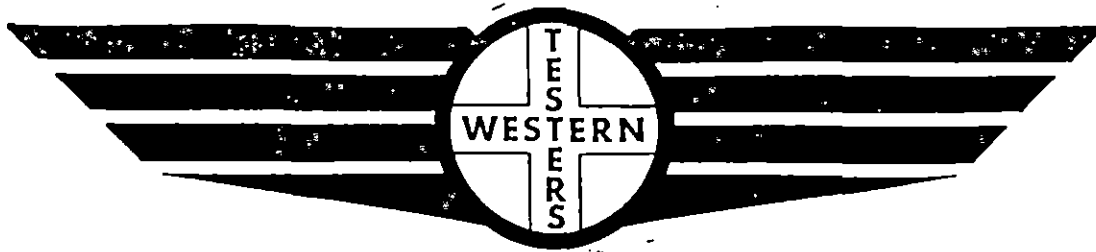
# TEST

# REPORT

RELEASED

SEP 6 1994

FROM CONFIDENTIAL



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1 - 800 - 688 - 7021

DST REPORT

GENERAL INFORMATION

DATE : 6/30/93  
CUSTOMER : RED OAK ENERGY INC.  
WELL : 2-22 TEST: 4  
ELEVATION: 2296 K.B.  
SECTION : 22  
RANGE : 28W COUNTY: MEADE  
GAUGE SN#: 10242 RANGE : 4100  
TICKET : 19017  
LEASE : BOHLING  
GEOLOGIST: DAVIS  
FORMATION: COUNCIL GROVE  
TOWNSHIP : 34S  
STATE : KS  
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 3086.00 ft TO: 3106.00 ft TVD: 3106.0 ft  
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL  
DEPTH OF RECORDERS: 3093.0 ft 3096.0 ft  
TEMPERATURE: 112.0  
DRILL COLLAR LENGTH: 520.0 ft I.D.: 2.250 in  
WEIGHT PIPE LENGTH : 0.0 ft I.D.: 0.000 in  
DRILL PIPE LENGTH : 2538.0 ft I.D.: 3.800 in  
TEST TOOL LENGTH : 28.0 ft TOOL SIZE : 5.500 in  
ANCHOR LENGTH : 20.0 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: 3081.0 ft SIZE: 6.630 in  
PACKER DEPTH: 3086.0 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. : MURFIN RIG #21  
MUD TYPE : CHEMICAL VISCOSITY : 50.00 cp  
WEIGHT : 9.100 ppg WATER LOSS: 12.500 cc  
CHLORIDES : 8000 ppm  
JARS-MAKE : W.T.C. SERIAL NUMBER: 405  
DID WELL FLOW?: NO REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK SURFACE BLOW SLOWLY  
BUILT TO BOTTOM OF BUCKET IN 51 MINUTES. FINAL  
FLOW PERIOD WEAK SURFACE BLOW SLOWLY BUILT TO

KCC

AUG 1 6

DST REPORT (CONTINUED)

CONFIDENTIAL

COMMENTS (CONTINUED)

Comment

RELEASED

BOTTOM OF BUCKET IN 5 MINUTES.  
OPENED TOOL - SLID 5 FT - PULLED LOOSE TO ADD  
ANOTHER JOINT OF DRILL PIPE.

SEP 6 1994

FROM CONFIDENTIAL

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
40.0	0.0	3.0	25.0	72.0	SL GAS CUT WATERY MUD
190.0	0.0	0.0	100.0	0.0	GASSY SALTWATER
0.0	0.0	0.0	0.0	0.0	CHLORIDES 76000 PPM

RATE INFORMATION

OIL VOLUME:	0.0000 STB	TOTAL FLOW TIME:	60.0000 min.
GAS VOLUME:	0.0331 SCF	AVERAGE OIL RATE:	0.0000 STB/D
MUD VOLUME:	0.1416 STB	AVERAGE WATER RATE:	27.0029 STB/D
WATER VOLUME:	0.9835 STB		
TOTAL FLUID :	1.1251 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1598.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	60.00	84.00
INITIAL SHUT-IN	30.00		959.00
FINAL FLOW	30.00	130.00	151.00
FINAL SHUT-IN	30.00		942.00

FINAL HYDROSTATIC PRESSURE: 1578.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1587.00

<u>Description</u>	<u>Duration</u>	<u>p1</u>	<u>p End</u>
INITIAL FLOW	30.00	64.00	88.00
INITIAL SHUT-IN	30.00		963.00
FINAL FLOW	30.00	129.00	152.00
FINAL SHUT-IN	30.00		946.00

FINAL HYDROSTATIC PRESSURE: 1576.00



KCC

AUG 1 6

PRESSURE TRANSIENT REPORT

CONFIDENTIAL

GENERAL INFORMATION

DATE : 6/30/93	TICKET : 19017
CUSTOMER : RED OAK ENERGY INC.	LEASE : BOHLING
WELL : 2-22 TEST: 4	GEOLOGIST: DAVIS
ELEVATION: 2296 K.B.	FORMATION: COUNCIL GROVE
SECTION : 22	TOWNSHIP : 34S
RANGE : 28W COUNTY: MEADE	STATE : KS
GAUGE SN#: 10242 RANGE : 4100	CLOCK : 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	64.00	64.00
5.00	64.00	0.00
10.00	65.00	1.00
15.00	70.00	5.00
20.00	73.00	3.00
25.00	78.00	5.00
30.00	88.00	10.00

RELEASED

SEP 6 1994

FROM CONFIDENTIAL

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	251.00	251.00	0.00
6.00	520.00	269.00	0.00
9.00	730.00	210.00	0.00
12.00	826.00	96.00	0.00
15.00	872.00	46.00	0.00
18.00	912.00	40.00	0.00
21.00	933.00	21.00	0.00
24.00	949.00	16.00	0.00
27.00	961.00	12.00	0.00
30.00	963.00	2.00	0.00

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	129.00	129.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
5.00	129.00	0.00
10.00	129.00	0.00
15.00	129.00	0.00
20.00	136.00	7.00
25.00	143.00	7.00
30.00	152.00	9.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	259.00	259.00	0.00
6.00	518.00	259.00	0.00
9.00	716.00	198.00	0.00
12.00	811.00	95.00	0.00
15.00	862.00	51.00	0.00
18.00	901.00	39.00	0.00
21.00	918.00	17.00	0.00
24.00	929.00	11.00	0.00
27.00	940.00	11.00	0.00
30.00	946.00	6.00	0.00



# JOB SUMMARY

HALLIBURTON DIVISION EASTERN AREA 1  
HALLIBURTON LOCATION LIBERAL KS.

BILLED ON TICKET NO. 507353

WELL DATA  
FIELD ORIGINAL SEC. 22 TWP. 34.5 RING. 28W COUNTY MEADE STATE KS.

FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_  
FORMATION THICKNESS \_\_\_\_\_ FROM KGC  
INITIAL PROD. OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD  
PRESENT PROD. OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS AUG 16 MCFD  
COMPLETION DATE \_\_\_\_\_ MUD TYPE \_\_\_\_\_ MUD WT. \_\_\_\_\_  
PACKER TYPE \_\_\_\_\_ CONFIDENTIAL  
BOTTOM HOLE TEMP \_\_\_\_\_ PRESSURE \_\_\_\_\_  
MISC. DATA \_\_\_\_\_ TOTAL DEPTH \_\_\_\_\_

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N	10.5	4 1/2	K.B.	3270	
LINER						
OPEN HOLE			7 1/8	C.L.	1275	
PERFORATIONS				8125	3300	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						

### JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>7-1-93</u>	DATE <u>7-1-93</u>	DATE <u>7-1-93</u>	DATE <u>7-1-93</u>
TIME <u>11:00</u>	TIME <u>13:30</u>	TIME <u>20:43</u>	TIME <u>21:11</u>

### TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
<del>REGULAR</del> <u>INSERT 4 1/2"</u>	<u>1</u>	
FLOAT SHOE <u>FILLUP "</u>	<u>1</u>	
GUIDE SHOE <u>REGULAR "</u>	<u>1</u>	
CENTRALIZERS <u>FM. "</u>	<u>4</u>	
<del>TOP PLUG</del> <u>CABLE SCRATCHERS</u>	<u>7</u>	
TOP PLUG <u>SW - "</u>		
HEAD		
PACKER		
OTHER		

### PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>BROADFOOT 04604</u>	<u>40748</u>	<u>LIBERAL KS</u>
<u>SMITH 04463</u>	<u>32276</u> <u>76900</u>	<u>"</u>
<u>MYERS 09018</u>	<u>3625</u> <u>4734</u>	<u>HAGSTON KS.</u>

### MATERIALS

TREAT FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. °API  
DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. °API  
PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ **RELEASED**  
PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.  
ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ **SEP 6 1994**  
ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %  
ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %  
SURFACTANT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_  
NE AGENT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN \_\_\_\_\_  
FLUID LOSS ADD TYPE \_\_\_\_\_ GAL. - LB. \_\_\_\_\_ IN \_\_\_\_\_  
GELLING AGENT TYPE \_\_\_\_\_ GAL. - LB. \_\_\_\_\_ IN \_\_\_\_\_  
FRIC. RED. AGENT TYPE \_\_\_\_\_ GAL. - LB. \_\_\_\_\_ IN \_\_\_\_\_  
BREAKER TYPE \_\_\_\_\_ GAL. - LB. \_\_\_\_\_ IN \_\_\_\_\_  
BLOCKING AGENT TYPE \_\_\_\_\_ GAL. - LB. \_\_\_\_\_  
PERFPAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_  
OTHER \_\_\_\_\_  
OTHER \_\_\_\_\_

DEPARTMENT CEMENT  
DESCRIPTION OF JOB 4 1/2 LONG STRING  
JOB DONE THRU: TUBING  CASING  ANNULUS  TBG./ANN.   
CUSTOMER REPRESENTATIVE Donna J. Smith  
HALLIBURTON OPERATOR Jim Brucy COPIES REQUESTED \_\_\_\_\_

### CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>150</u>	<u>PREM PLUS</u>		<u>B</u>	<u>1/4 D.A.R.T. - 1/10% HALAD 322. 7% CAL SEAL</u>	<u>1.41</u>	<u>14.8</u>

### PRESSURES IN PSI

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_  
BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_  
AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_  
SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN. \_\_\_\_\_  
HYDRAULIC HORSEPOWER \_\_\_\_\_  
ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_  
AVERAGE RATES IN BPM \_\_\_\_\_  
TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_  
CEMENT LEFT IN PIPE \_\_\_\_\_  
FEET 29.71 REASON SHOE IT.

### SUMMARY

### VOLUMES

PRESLUSH BBL.-GAL. 10 TYPE SUPER FLUSH  
LOAD & BKDN. BBL.-GAL. \_\_\_\_\_ PAD. BBL.-GAL. \_\_\_\_\_  
TREATMENT: BBL.-GAL. \_\_\_\_\_ DISPL. BBL.-GAL. 51.5  
CEMENT SLURRY BBL.-GAL. 38  
TOTAL VOLUME, BBL.-GAL. \_\_\_\_\_  
STATE CORPORATION COMMISSION

### REMARKS

**AUG 20 1993**

CONSERVATION DIVISION  
Wichita, Kansas

CUSTOMER RENNAK ENERGY INC.  
LEASE BOHL M/S  
WELL NO. 2-22  
JOB TYPE 4 1/2 LONG STRING  
DATE 7-1-93

**JOB LOG FORM 2013 R-3**

CUSTOMER	WELL NO.	LEASE	JOB TYPE	TICKET NO.
RED DAK ENERGY INC.	2-22	BOHLING	4 1/2 LONG STRING	507353

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1100							CALLED OUT READY AT 1400
	1350							ON LOCT. L.D.D.P.
	1818							AUG 16 START RUNNING CSG.
	1945							HOOKEP SWEDGE TO RECIPITATE
	1949							BROKE CIRCULATION SURFACE
	2028							HOOKEP LANDING JOINT & HEAD
	2042							HOOKEP CMT LINE
	2043	2.5	10				150	START MUD FLUSH SPACER
	2047		38				150	START LEAD CMT. 14.8 #/gal
	2056	0	0				0	SHUT-DOWN WASH UP & DROPTOP PLUG
	2059	5	41				0/730	START -DISPLACEMENT H2O
	2104	2	51				230/450	SLOW RATE TO 2 BBL/MIN
	2111	0	0				450/1100	LAND PLUG - FLOAT HELD
								Job OVER
								THANKS FOR CALLING
								HALLIBURTON ENERGY SERVICES
								Tim BROADFOOT & CREW
								RELEASED
								SEP 6 1994
								FROM CONFIDENTIAL
								RECEIVED
								STATE CORPORATION COMMISSION
								AUG 20 1993
								CONSERVATION DIVISION
								Wichita, Kansas



TICKET CONTINUATION

COPY

TICKET No. 0795  
 No. 0795  
 DIVISION OF REVENUE  
 MISSOURI  
 AUG 20 1994  
 PAGE 1 OF 1  
 DIVISION OF REVENUE  
 MISSOURI  
 AUG 20 1994

FORM 1911 R-8

PRICE REFERENCE		SECONDARY REFERENCE/ PART NUMBER		ACCOUNTING			TIME	DESCRIPTION	WELL		DATE	PAGE	
LOC	ACCT	DF		QTY.	U/M	QTY.	U/M						
								Red Oak Energy	2-22				
504-050		516.00265						Premium Plus Cement	150	sk			
507-775		516.00144						Halad-322 B/ .5% W/ 150	71	lb			
507-970		70.15764						D-Air #1 B/ 1/2# W/ 150	38	lb	3.10		
508-127		890.50131						EA-2 B/ 7% W/ 150	10	sk	20 70		
500-207								SERVICE CHARGE					
500-306								MILEAGE CHARGE					
								TOTAL WEIGHT					
								LOADED MILES					
								TON MILES					
								CUBIC FEET					
									163		1 25	203 75	
									40		85	258 33	
									303.920				

ORIGINAL  
 KCC  
 AUG 16  
 CONFIDENTIAL

RELEASED  
 SEP 6 1994  
 FROM CONFIDENTIAL

CONTINUATION TOTAL 2,619.28



CHARGE TO:  
**RED OAK ENERGY INC.**  
 ADDRESS  
**200 W. DONELAS AVE K. 510<sup>6</sup>**  
 CITY, STATE, ZIP CODE  
**WICHITA KS. 67202**

COPY

TICKET

No. **507353 - 0**

PAGE 1 OF 1

FORM 1906 R-12

SERVICE LOCATIONS 1. <b>D2354D</b>	WELL/PROJECT NO.	LEASE <b>BOHLING</b>	COUNTY/PARISH <b>MEADE</b>	STATE <b>KS.</b>	CITY/OFFSHORE LOCATION	DATE <b>7-1-93</b>	OWNER <b>RED OAK ENERGY</b>
2. <b>D2353E</b>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input type="checkbox"/> NO	CONTRACTOR	RIG NAME/NO. <b>MURFIN</b>	SHIPPED VIA <b>P.U.</b>	DELIVERED TO <b>LOCATION</b>	ORDER NO.
3.	WELL TYPE <b>02</b>	WELL CATEGORY <b>01</b>	JOB PURPOSE <b>035</b>	WELL PERMIT NO.	WELL LOCATION <b>S OF MEANE</b>		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS <b>35</b>						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
000-117						MILEAGE	40	mi	1	unit	2.75	110
001-016						PUMP CHARGE	3270	ft	8	hrs		1285
030-016						TOP PLUG	4 1/2	in	1	EA		45
12 A	825.201					REGULAR GUIDE SHOE	"	"	1	EA		95
24 A	815.19101					INSERT	"	"	"	"		73
27	815.19111					FILLUP	"	"	"	"		45
50	807.93504					FLUID MASTER CENTRALIZER	"	"	4	EA	57	228
56	807.2003					CABLE SCRATCHERS	"	"	7	EA	25.50	178.50
018-317						SUPER FLUSH	10	hrs	10	SYS	100	1000

FROM CONFIDENTIAL

SEP 6 1994

RELEASED

CONFIDENTIAL

AUG 16

MCC

**LEGAL TERMS:** Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

SUB SURFACE SAFETY VALVE WAS:  
 PULLED & RETURN  PULLED  RUN

TYPE LOCK	DEPTH	
BEAN SIZE	SPACERS	
TYPE OF EQUALIZING SUB.	CASING PRESSURE	
TUBING SIZE	TUBING PRESSURE	WELL DEPTH
TREE CONNECTION	TYPE VALVE	

<b>SURVEY</b>	AGREE	UN-DECIDED	-DIS-AGREE
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	<input checked="" type="checkbox"/>		
WE UNDERSTOOD AND MET YOUR NEEDS?	<input checked="" type="checkbox"/>		
OUR SERVICE WAS PERFORMED WITHOUT DELAY?	<input checked="" type="checkbox"/>		
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?	<input checked="" type="checkbox"/>		
ARE YOU SATISFIED WITH OUR SERVICE?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND			

PAGE TOTAL: **2619** 128  
 FROM CONTINUATION PAGE(S)  
 SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE

CUSTOMER OR CUSTOMER'S AGENT SIGNATURE  
**X Ronald Schrader**  
 DATE SIGNED: **AUG 20 1994** TIME SIGNED: **1330**  
 A.M.  P.M.  
 do not require IPC (Instrument Protection).  Not offered

**CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES** The customer hereby acknowledges receipt of the materials and services listed on this ticket

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT) <b>RONALD SCHRADER</b>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <b>X Ronald Schrader</b>	HALLIBURTON OPERATOR/ENGINEER <b>Jim Burdick</b>	EMP # <b>046054</b>	HALLIBURTON APPROVAL <b>5678.78</b>
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## TERMS AND CONDITIONS

For good and valuable consideration received, Customer (as identified on the face of this document) and Halliburton Energy Services, a division of Halliburton Company (hereinafter "Halliburton") agree as follows:

A. **CUSTOMER REPRESENTATION** - Customer warrants that the well is in proper condition to receive the services, equipment, products, and materials to be supplied by Halliburton.

B. **PRICE AND PAYMENT** - The services, equipment, products, and/or materials to be supplied hereunder are priced in accordance with Halliburton's current price list. All prices are exclusive of taxes. If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If Customer has an approved open account, invoices are payable on the twentieth day after the date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.

C. **RELEASE AND INDEMNITY** - CUSTOMER AGREES TO RELEASE HALLIBURTON GROUP FROM ANY AND ALL LIABILITY FOR ANY AND ALL DAMAGES WHATSOEVER TO PROPERTY OF ANY KIND OWNED BY, IN THE POSSESSION OF, OR LEASED BY CUSTOMER AND THOSE PERSONS AND ENTITIES. CUSTOMER HAS THE ABILITY TO BIND BY CONTRACT. CUSTOMER ALSO AGREES TO DEFEND, INDEMNIFY, AND HOLD HALLIBURTON GROUP HARMLESS FROM AND AGAINST ANY AND ALL LIABILITY, CLAIMS, COSTS, EXPENSES, ATTORNEY FEES AND DAMAGES WHATSOEVER FOR PERSONAL INJURY, ILLNESS, DEATH, PROPERTY DAMAGE AND LOSS RESULTING FROM:

LOSS OF WELL CONTROL; SERVICES TO CONTROL A WILD WELL WHETHER UNDERGROUND OR ABOVE THE SURFACE; RESERVOIR OR UNDERGROUND DAMAGE, INCLUDING LOSS OF OIL, GAS, OTHER MINERAL SUBSTANCES OR WATER; SURFACE DAMAGE ARISING FROM UNDERGROUND DAMAGE; DAMAGE TO OR LOSS OF THE WELL BORE; SUBSURFACE TRESPASS OR ANY ACTION IN THE NATURE THEREOF; FIRE; EXPLOSION; SUBSURFACE PRESSURE; RADIOACTIVITY; AND POLLUTION AND ITS CLEANUP AND CONTROL.

CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS OBLIGATIONS WILL APPLY EVEN IF THE LIABILITY AND CLAIMS ARE CAUSED BY THE SOLE, CONCURRENT, ACTIVE OR PASSIVE NEGLIGENCE, FAULT, OR STRICT LIABILITY OF ONE OR MORE MEMBERS OF THE HALLIBURTON GROUP, THE UNSEAWORTHINESS OF ANY VESSEL OR ANY DEFECT IN THE DATA, PRODUCTS, SUPPLIES, MATERIALS OR EQUIPMENT FURNISHED BY HALLIBURTON GROUP WHETHER IN THE DESIGN, MANUFACTURE, MAINTENANCE OR MARKETING THEREOF OR FROM A FAILURE TO WARN OF SUCH DEFECT. "HALLIBURTON GROUP" IS DEFINED AS HALLIBURTON, ITS PARENT, SUBSIDIARY, AND AFFILIATED COMPANIES AND ITS/THEIR OFFICERS, DIRECTORS, EMPLOYEES, AND AGENTS. CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS OBLIGATIONS APPLY WHETHER THE PERSONAL INJURY, ILLNESS, DEATH, PROPERTY DAMAGE OR LOSS IS SUFFERED BY ONE OR MORE MEMBERS OF THE HALLIBURTON GROUP, CUSTOMER, OR ANY OTHER PERSON OR ENTITY AND THE CUSTOMER WILL SUPPORT SUCH OBLIGATIONS ASSUMED HEREIN WITH LIABILITY INSURANCE TO THE MAXIMUM EXTENT ALLOWED BY APPLICABLE LAW.

D. **EQUIPMENT LIABILITY** - Customer shall at its risk and expense attempt to recover any Halliburton equipment lost or lodged in the well. If the equipment is recovered and repairable, Customer shall pay the repair costs, unless caused by Halliburton's sole negligence. If the equipment is not recovered or is irreparable, Customer shall pay the replacement cost, unless caused by Halliburton's sole negligence. If a radioactive source becomes lost or lodged in the well, Customer shall meet all requirements of Section 39.15(a) of the Nuclear Regulatory Commission regulations and any other applicable laws or regulations concerning retrieval or abandonment and shall permit Halliburton to monitor the recovery or abandonment efforts all at no risk or liability to Halliburton. Customer shall be responsible for damage to or loss of Halliburton equipment, products, and materials while in transit aboard Customer-supplied transportation, even if such is arranged by Halliburton at Customer's request, and during loading and unloading from such transport. Customer will also pay for the repair or replacement of Halliburton equipment damaged by corrosion or abrasion due to well effluents.

E. **LIMITED WARRANTY** - Halliburton warrants only title to the equipment, products, and materials supplied under this agreement and that same are free from defects in workmanship and materials for one year from date of delivery. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's sole liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale, lease or use of any equipment, products, or materials is expressly limited to the replacement of such on their return to Halliburton or, at Halliburton's option, to the allowance to Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, consequential, or punitive damages. Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, HALLIBURTON IS UNABLE TO GUARANTEE THE EFFECTIVENESS OF THE EQUIPMENT, MATERIALS, OR SERVICE, NOR THE ACCURACY OF ANY CHART INTERPRETATION, RESEARCH ANALYSIS, JOB RECOMMENDATION OR OTHER DATA FURNISHED BY HALLIBURTON. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for and CUSTOMER SHALL INDEMNIFY HALLIBURTON GROUP AGAINST ANY DAMAGES ARISING FROM THE USE OF SUCH INFORMATION, even if such is contributed to by Halliburton's negligence or fault. Halliburton also does not warrant the accuracy of data transmitted by electronic process, and Halliburton will not be responsible for accidental or intentional interception of such data by third parties.

F. **GOVERNING LAW** - The validity, interpretation and construction of this agreement shall be determined by the laws of the jurisdiction where the services are performed or the equipment or materials are delivered.

G. **WAIVER** - Customer agrees to waive the provisions of the Texas Deceptive Trade Practices-Consumer Protection Act or any similar federal or state statute to the extent permitted by law.

H. **MODIFICATIONS** - Customer agrees that Halliburton shall not be bound by any modifications to this agreement, except where such modification is made in writing by a duly authorized executive officer of Halliburton. Requests for modifications should be directed to the Vice President - Legal, 5151 San Felipe, Houston, Texas 77056.

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KCC

ORIGINAL

AUG 16

CONFIDENTIAL

08/11/93 09:42

SIDWELL OIL

001

HALLIBURTON SERVICES

A Halliburton Company

REMIT TO:

P.O. BOX 951046  
DALLAS, TX 75395-1046

INVOICE NO. DATE

345712 06/17/1993

WELL LEASE NO./PLANT NAME	WELL/PLANT LOCATION	STATE	WELL/PLANT OWNER
ICING 2-22	HEAD	KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
GENERAL	R&M BATHOLE	CEMENT CONDUCTOR CASING	06/17/1993
CGT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER
08496	DAVID MCCART		
		COMPANY TRUCK	52231

DIRECT CORRESPONDENCE TO:

REDOAK ENERGY, INC.  
200 W. DOUGLAS, SUITE 510  
WICHITA, KS 67202-3005

FIRST OKLAHOMA TOWER  
210 WEST PARK AVENUE  
SUITE 2050  
OKLAHOMA CITY, OK 73102-5601

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
00-117	ICING AREA - EASTERN AREA MILEAGE	72	MI	2.75	198.00
01-016	CEMENTING CASING	40	FT	515.00	515.00
04-050	CEMENT - PREMIUM PLUS	100	SK	8.95	895.00
00-207	BULK SERVICE CHARGE	-100	EFT	-1.25	-125.00
00-306	MILEAGE CMTG MAT DEL OR RETURN	338.4	TMI	.85	287.64
	INVOICE SUBTOTAL				2,020.64
	DISCOUNT-(BID)				303.09-
	INVOICE BID AMOUNT				1,717.55
	*-KANSAS STATE SALES TAX				54.47
	*-SEWARD COUNTY SALES TAX				11.12

RELEASED

SEP 6 1994

FROM CONFIDENTIAL

RECEIVED  
STATE CORPORATION COMMISSION

AUG 20 1993

CONSERVATION DIVISION  
Wichita, Kansas

Post-It™ brand fax transmittal memo 7671 # of pages 2/2

To: Kevin Davis	From: Amy
Co: Red Oak	Co: Sidwell
Dept:	Phone #:

ked  
7/11/93



# ORIGINAL none (res) by 913-798-3843

## ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

CONFIDENTIAL

AUG 16 1256

New

Date	6/26/93	Sec.	22	Fwp.	343	Range	24W	Called Out	5:30 PM	On Location	9:30 PM	Job Start	11:30 PM	Finish	2:30 A
Lease	Bohling	Well No.	2-22	Location	Meade 145 W/S	County	Meade	State	Ks						
Contractor	MURFIN Rig 21	Owner	Same												
Type Job	CMT 8 3/4 Surface Csd	To Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.													
Hole Size	12 1/4	T.D.	1275'												
Csg.	8 3/4 24"	Depth	1271'												
Tbg. Size		Depth													
Drill Pipe		Depth													
Tool		Depth													
Cement Left in Csg.	42'	Shoe Joint	42'												
Press Max.		Minimum													
Meas Line		Displace	78.5												

Charge To Red Oak Energy Inc.  
 Street 200 W. Douglas Ave  
 City Santa Fe State Ko. 67202  
 The above was done to satisfaction and supervision of owner agent or contractor.  
 Purchase Order No. Douglas Refractive

### EQUIPMENT

No.	234	Cementer	Max Ball
Help	RELEASED		Justin West
No.		Cementer	
Help	BP 6 1994		
No.	256	Driver	Mark Bruggart
Help	FROM CONFIDENTIAL		
No.	257	Driver	John Kelley

**CEMENT**

Amount 500 SKS 65/35 6.9 6.1 3.9 6.0 7.5 # Plus  
 Ordered 100 SKS CLASS A 27 gel 3.9 6.0 2.2  
 Consisting of

Common	425	5.75	2443.75
Poz. Mix	175	3.00	525.00
Gel.	32	7.00	224.00
Chloride	18	25.00	450.00
Quicksert			
Flo Seal - 125		1.10	137.50
Handling	600	1.00	600.00
Mileage	45		1080.00

DEPTH of Job 1271'

Reference	Pump Charge	430.00
45	Mileage	101.25
8 3/4	Top Rubber Plug	83.00
971'	at .39	378.69
	<b>Total</b>	<b>992.94</b>

Total \$ 7314.19  
 Disc - 1462.84  
\$ 5851.34 Total 5460.25

Remarks:  
 Cement 8 3/4 Surface Csg with 500 sks 65/35/6.9  
 on of 4" Flo-seal + 100 sks class A 27 gel 3.9 6.0  
 top Plug Displace 78.5 OBL Land Plug Check  
 at Float Hold CMT To Surface

Floating Equipment

1 - 8 3/4 Saw Tooth Guide Shoe	240.00
1 - 8 3/4 AFU Insert	258.00
3 - 8 3/4 Centralizers	183.00
1 - 8 3/4 Cement Basket	180.00

RECEIVED  
 STATE CORPORATION COMMISSION  
861.00

AUG 20 1993

08/11/93 09:46

SIDWELL OIL

REMIT TO CONSERVATION DIVISION  
 Wichita, Kansas

P.O. BOX 951046

DALLAS, TX 75205

HALIBURTON