

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

ORIGINAL

185-22843-0000

API NO. 15- _____
County Stafford
NW NE NW Sec. 20 Twp. 22 Rge. 12 X E

4950 Feet from SN (circle one) Line of Section
3630 Feet from EW (circle one) Line of Section

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

Lease Name Krankenber Well # 4-20
Field Name Krankenber

Producing Formation Basal Penn. Conglomerate

Elevation: Ground 1870' KB 1875'
Total Depth 3780' PBDT 3834'

Amount of Surface Pipe Set and Cemented at 687 Feet

Multiple Stage Cementing Collar Used? X Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan ALT 1 9/24/92 JAW
(Data must be collected from the Reserve Pit)

Chloride content N/A ppm Fluid volume _____ bbls

Dewatering method used Tracked 480 bbls

Location of fluid disposal if hauled offsite: _____

Operator Name Bob's Oil Service

Lease Name Teichman SWD License No. 30610

SW Quarter Sec. 16 Twp. 22 S Rng. 12 EW

County Stafford Docket No. 23-7222

Operator: License # 3581

Name: Red Oak Energy, Inc.

Address 200 W. Douglas, #510

City/State/Zip Wichita, KS 67202

Purchaser: Farmland

Operator Contact Person: Kevin Davis

Phone (316) 265-9925

Contractor: Name: Allen Drilling Co.

License: 5418

Wellsite Geologist: Scott Banks

Designate Type of Completion
X New Well Re-Entry Workover

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

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

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

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

5/15/92 5/21/92 6-1-92
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 7/15/92

Subscribed and sworn to before me this 15th day of July 19 92.

Notary Public Martha C. Nussbaum

MARTHA C. NUSSBAUM
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 2-14-94

RECEIVED 8-7-92
STATE CORPORATION COMMISSION OFFICE USE ONLY
F. Letter of Confidentiality Attached
C 7/15/92 Wireline Log Received
C Geologist Report Received
CONSERVATION DIVISION
Wichita, Kansas
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

PI

Operator Name Red Oak Energy Inc. Lease Name Krankenbergr Well # 4-20
 Sec. 20 Twp. 22 Rge. 12 East County Stafford
 West

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.)
 List All E.Logs Run: CDN, Inpuction, Bond log

Name	Top	Datum
Anhydrite	668	(+1207)
Heebner	3182	(-1307)
Brown Lime	3318	(-1443)
B/KC	3556	(-1681)
Viola	3622	(-1747)
Simpson	3670	(-1795)
Arbuckle	3728	(-1853)

CASING RECORD <input checked="" type="checkbox"/> Now <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
Production	7 7/8"	5 1/2	14 #	3780	60-40	150	2% Gel
Surface	12-1/4"	8 5/8"	23#	690'	60/40 Poz	340	2% Gel 3% cc
					Common	150	3% cc

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
4 sh/ft	3607-10	Natural	

TUBING RECORD Size 2 7/8" Set At 3693 Packer At _____ Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. June 3/1992 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil 60 Bbls. Gas _____ Mcf Water _____ Bbls. Gas-Oil Ratio _____ Gravity 40

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.) METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other (Specify) _____ Production Interval 3607-10



WESTERN TESTING CO., INC.

15-185-22843-0000

ORIGINAL

FORMATION TESTING

TICKET No. 18153

P. O. BOX 1599 WICHITA, KANSAS 67201

Elevation Formation Lansing Eff. Pay. Ft.

District GT. Bend Date 5-18-92 Customer Order No.

COMPANY NAME Red Oak Energy, Inc

ADDRESS 200 W. Douglas, Suite 510 Wichita, KS 67202

LEASE AND WELL NO. Krantenberg #4-20 COUNTY Stafford STATE KS Sec. 20 Twp. 22 Rge. 2W

Mail Invoice To SAME Co. Name Address No. Copies Requested 1

Mail Charts To SAME Co. Name Address No. Copies Requested 1

Formation Test No. 1 Interval Tested From 3361 ft. to 3417 ft. Total Depth 3417 ft.

Packer Depth 3356 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Packer Depth 3361 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 3409 ft. Recorder Number 10270 Cap. 4150

Bottom Recorder Depth (Outside) 3412 ft. Recorder Number 13550 Cap. 4175

Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Allen rig 2 Drill Collar Length - I. D. - in.

Mud Type Chemical Viscosity 42 Weight Pipe Length - I. D. - in.

Weight 9.2 Water Loss 10.8 cc. Drill Pipe Length 3341 I. D. 3.8 in.

Chlorides 6800 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.

Bars: Make - Serial Number - Anchor Length 56 ft. Size 5 1/2 in.

Did Well Flow? - Reversed Out - Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 XH in.

Blow: IE - WEAR Blows Throughout 1/2" to 1" Blow

EE - WEAR Blows Throughout 1/2" Blow

Recovered 15 ft. of Slightly oil cut mud 17 oil 99% mud

Recovered - ft. of

Recovered - ft. of

Recovered - ft. of

Recovered - ft. of

Chlorides - P.P.M. Sample Jars used 1 Remarks:

Time On Location 1:15 AM Time Pick Up Tool 30 PM Time Off Location PM

Time Set Packer(s) 2:40 AM Time Started Off Bottom 1:40 PM Maximum Temperature 103

Initial Hydrostatic Pressure (A) 1657 P.S.I.

Initial Flow Period Minutes 30 (B) 62 P.S.I. to (C) 62 P.S.I.

Initial Closed In Period Minutes 30 (D) 125 P.S.I.

Final Flow Period Minutes 30 (E) 62 P.S.I. to (F) 62 P.S.I.

Final Closed In Period Minutes 30 (G) 83 P.S.I.

Final Hydrostatic Pressure (H) 1657 P.S.I.

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...

All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By [Signature] Signature of Customer or his authorized representative

Western Representative Ray Swartz Thank you

FIELD INVOICE

Table with 2 columns: Item Name and Amount. Items include Open Hole Test, Mistrun, Straddle Test, Jars, Selective Zone, Safety Joint, Standby, Evaluation, Extra Packer, Circ. Sub., Mileage, Fluid Sampler, Extra Charts, Insurance, Telecopier, and TOTAL.



ORIGINAL

FORMATION TESTING

TICKET No 18154

P. O. BOX 1599 PHONE (316) 262-5861 WICHITA, KANSAS 67201

Elevation _____ Formation UICLA Eff. Pay _____ Ft.

District GT Bend Date 5-19-92 Customer Order No. _____

COMPANY NAME Red Oak Energy, Inc.

ADDRESS 200 W. Douglas, Suite 510 Wichita, KS 67202

EASE AND WELL NO. Kraatenberg #20 COUNTY Stafford STATE Ks Sec 20 Twp 22 Rge 12

Mail Invoice To Same Co. Name _____ Address _____ No. Copies Requested 10

Mail Charts To Same Address _____ No. Copies Requested 10

Formation Test No. 2 Interval Tested From 3555 ft. to 3635 ft. Total Depth 3635 ft.

Packer Depth 3550 ft. Size 6 3/8 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 3555 ft. Size 6 7/8 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3627 ft. Recorder Number 10270 Cap 4150

Bottom Recorder Depth (Outside) 3630 ft. Recorder Number 13550 Cap 4175

Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap _____

Drilling Contractor Allen Rig 2 Drill Collar Length _____ I. D. _____ in.

Fluid Type Chemical Viscosity _____ Weight Pipe Length _____ I. D. _____ in.

Weight 9 Water Loss _____ cc. Drill Pipe Length 3535 I. D. 3.8 in.

Chlorides _____ P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.

Wells: Make _____ Serial Number _____ Anchor Length 80 ft. Size 5 1/2 in.

Did Well Flow? Gas Reversed Out Yes Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7/8 in. Tool Joint Size 4 1/2 x 11 in.

Flow: IF - STRONG BLOW IN ONE MIN GAS TO SURFACE IN 19 MIN

FF - GAS TO SURFACE

Recovered 1380 ft. of Clear Oil GRAVITY 40

Recovered 120 ft. of Grey muddy oil 15% mud 30% water 55% gas

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Chlorides _____ P.P.M. Sample Jars used 2 Remarks: _____

Time On Location 9:15 AM Time Pick Up Tool 9:30 AM Time Off Location _____ AM

Time Set Packer(s) 10:40 AM Time Started Off Bottom 1:40 AM Maximum Temperature 107

Initial Hydrostatic Pressure _____ (A) 1807 P.S.I.

Initial Flow Period _____ Minutes 30 (B) 125 P.S.I. to (C) 458 P.S.I.

Initial Closed In Period _____ Minutes 45 (D) 1174 P.S.I.

Final Flow Period _____ Minutes 45 (E) 500 P.S.I. to (F) 531 P.S.I.

Final Closed In Period _____ Minutes 60 (G) 1153 P.S.I.

Final Hydrostatic Pressure _____ (H) 1755 P.S.I.

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.

All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By Ken C. Dini Signature of Customer or his authorized representative

Western Representative Ray Schunger Thank you

FIELD INVOICE

Open Hole Test	\$
Misrun	\$
Straddle Test	\$
Jars	\$
Selective Zone	\$
Safety Joint	\$
Standby	\$
Evaluation	\$
Extra Packer	\$
Circ. Sub.	\$
Mileage	\$
Fluid Sampler	\$
Extra Charts	\$
Insurance	\$
Telecopier	\$
TOTAL	\$



P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

WESTERN TESTING CO., INC. 15-185-22843-0000

FORMATION TESTING TICKET NO 18155

ORIGINAL

Elevation _____ Formation Arbuckle Eff. Pay. _____ Ft.

District GT Bend Date 5-20-92 Customer Order No. _____

COMPANY NAME Red OAK Energy, Inc

ADDRESS 200 W. Douglas, Suite 510 Wichita, KS 67202

EASE AND WELL NO. Kranenberg #4-20 COUNTY Stafford STATE Ks Sec 20 Twp 22^s Rge 12^w

Mail Invoice To SAME Co. Name _____ Address _____ No. Copies Requested Reg

Mail Charts To SAME Co. Name _____ Address _____ No. Copies Requested Reg

Formation Test No. 3 Interval Tested From 3683 ft. to 3775 ft. Total Depth 7235 ft.

Packer Depth 3678 ft. Size 6 5/8 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 3683 ft. Size 6 7/8 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3686 ft. Recorder Number 10270 Cap 4150

Bottom Recorder Depth (Outside) 3687 ft. Recorder Number 13550 Cap 4125

Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap _____

Drilling Contractor Allen 1192 Drill Collar Length _____ I. D. _____ in.

Fluid Type Chemical Viscosity 40 Weight Pipe Length _____ I. D. _____ in.

Weight 9.4 Water Loss 14.4 cc. Drill Pipe Length 3663 I. D. 3.8 in.

Chlorides 10000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.

Bars: Make _____ Serial Number _____ Anchor Length 52 ft. Size 5 1/2 in.

Did Well Flow? _____ Reversed Out _____ Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 1 1/2 x 1 1/2 in.

Blow: FF - WEAK Blow throughout 1 1/2" to 2" Blow

FF - WEAK Blow throughout 1 1/2" to 2 1/2" Blow

Recovered 130 ft. of Muddy Water 18 sand 50% water

Recovered _____ ft. of _____ w/ some oil on top of gradient

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Chlorides 15000 P.P.M. Sample Jars used 2 Remarks: _____

Time On Location 2:15 AM P.M. Time Pick Up Tool 2:30 AM P.M. Time Off Location _____ AM P.M.

Time Set Packer(s) 3:40 AM P.M. Time Started Off Bottom 6:40 AM P.M. Maximum Temperature 117

Initial Hydrostatic Pressure _____ (A) 1817 P.S.I.

Initial Flow Period _____ Minutes 30 (B) 52 P.S.I. to (C) 62 P.S.I.

Initial Closed In Period _____ Minutes 45 (D) 1143 P.S.I.

Final Flow Period _____ Minutes 45 (E) 83 P.S.I. to (F) 93 P.S.I.

Final Closed In Period _____ Minutes 60 (G) 1070 P.S.I.

Final Hydrostatic Pressure _____ (H) 1817 P.S.I.

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.

All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By [Signature] Signature of Customer or his authorized representative

Western Representative Ray Schwager THANK YOU

FIELD INVOICE

Open Hole Test	<u>✓</u>
Misrun	\$ _____
Straddle Test	\$ _____
Jars	\$ _____
Selective Zone	\$ _____
Safety Joint	\$ _____
Standby	\$ _____
Evaluation	\$ _____
Extra Packer	\$ _____
Circ. Sub.	\$ _____
Mileage	\$ _____
Fluid Sampler	\$ _____
Extra Charts	\$ _____
Insurance	\$ _____
Telecopier	\$ _____
TOTAL	<u>✓</u>

RECEIVED
STATE CORPORATION COMMISSION

AUG 7 1992

REGISTRATION DIVISION
TOPEKA, KANSAS



ORIGINAL

CUSTOMER

INVOICE DATE

15-185-22843-0000

05/20/92

DIRECT BILLING INQUIRIES TO 713-895-5821	TERMS NET AMOUNT DUE 30 DAYS FROM DATE OF INVOICE	REMIT TO B.J. SERVICES P.O. BOX 297476 HOUSTON, TX 77297
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PAGE 1	INVOICE NO. 069544
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AUTHORIZED BY 069544

PURCH. ORDER REF. NO. N/A

RED OAK ENERGY, INC.

200 W DOUGLAS
SUITE 510
WICHITA KS 67202
WELL NUMBER : 420

CUSTOMER NUMBER : 5212 -- 0

LEASE NAME AND NUMBER FRANKENBERG	STATE KS	COUNTY/PARISH 1509	CITY Great Bend	DISTRICT NAME 582	DISTR. NO.
JOB LOCATION/FIELD K-19-281-4E2S-1/2E	MTA DISTRICT	DATE OF JOB 05/20/92	TYPE OF SERVICE LAND-LONG STRING/PRODUCT		

PRODUCT NUMBER	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	EXTENDED PRICE
10100321	1.00	CEMENT CASING 3,501 TO 4,000 FEET	1205.00		1,205.00
10109005	20.00	MILEAGE CHRG. FROM NEAREST BASE OF	2.47		49.40
10409600	7.00	CENTRALIZER-W	46.75	GAL	327.25
10409600	1.00	INSERT-W	188.00	GAL	188.00
10409600	1.00	5-1/2 GUIDE SHOE	124.00	GAL	124.00
10409600	2.00	BASKET-B	140.00	GAL	280.00
10409600	1.00	THREAD LOK	22.80	GAL	22.80
10410504	90.00	CLASS "A" CEMENT	5.63	CF	506.70
10415018	60.00	FLY ASH	2.94	CFT	176.40
10415038	900.00	A-5 SALT	0.12	LB	108.00
10415082	750.00	KOL SEAL	0.35	LB	262.50
10420145	258.00	BJ GEL, BENTONITE, PER POUND	0.15	LB	38.70

TAX EXEMPTION STATUS:

RECEIVED
STATE CORPORATION COMMISSION
7 1992
CONSERVATION DIVISION
Wichita, Kansas



ORIGINAL

15-185-22843-0000

INVOICE DATE:
05/20/92

DIRECT BILLING INQUIRIES TO: 713-895-5821	TERMS: NET AMOUNT DUE 30 DAYS FROM DATE OF INVOICE	REMIT TO: B.J. SERVICES P.O. BOX 297476 HOUSTON, TX 77297
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PAGE: 2	INVOICE NO. 069544
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AUTHORIZED BY: 069544

PURCH ORDER REF. NO. N/A

RED OAK ENERGY, INC.

200 W DOUGLAS
SUITE 510
WICHITA KS 67202
WELL NUMBER : 420

CUSTOMER NUMBER : 5212 - 0

LEASE NAME AND NUMBER	STATE	COUNTY/PARISH	CITY	DISTRICT NAME	DISTR. NO.
KRANKENBERG	15	1509		Great Bend	582
JOB LOCATION/FIELD	AMTA DISTRICT	DATE OF JOB	TYPE OF SERVICE		
K-19-281-4E2S-1/2E		05/20/92	LAND-LONG STRING/PRODUCT		

PRODUCT NUMBER	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	EXTENDED PRICE
10424005	97.00	CD-31	4.07	LB	394.79
10424530	21.00	FP-8	2.68	LB	56.28
10425010	400.00	MUD-SWEEP, WITH BJ-TITAN PUMPING E	1.73	GAL	692.00
10430620	1.00	5 1/2" TOP PLUG RESIN/PLASTIC CORE	63.25	EA	63.25
10880001	181.30	MIXING SERVICE CHRG DRY MATERIALS.	1.16		210.31
10902505	1.00	ROTATING HEAD, WHEN USED WITH BJ-T	200.00		200.00
10940101	150.00	DRAVAGE, PER TON MILE	0.79		118.50
SUBTOTAL					5,023.88
DISCOUNT					1,356.49

ACCOUNT:	1.0000% BARTON 4.2500% KANSAS	3,667.38 RECEIVED STATE CORPORATION COMMISSION AUG 7 1992 CONSERVATION COMMISSION WICHITA, KANSAS	36.69 155.85
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TAX EXEMPTION STATUS: PAY THIS AMOUNT 3,859.93

JOB NUMBER	CONTRACT NUMBER	DATE	DIRECT SHIPMENT FROM	DISTRICT NAME
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CUSTOMER NAME AND ADDRESS <i>RED OAK</i>	DIRECT SHIPMENT FROM VENDOR NAME
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Item No.	Part Number	Description	UNIT OF MEASURE	AMOUNT LOADED	DIRECT SHIPPED	AMOUNT RETURNED
1		<i>CLASS A</i>	<i>SX</i>	<i>150</i>		
2		<i>CA CL</i>	<i>SX</i>	<i>423</i>		
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RECEIVED
STATE CORPORATION COMMISSION
AUG 7 1992
CONSERVATION DIVISION
Wichita, Kansas

COPY 1 - DISTRICT COPY
COPY 2 - CUSTOMER COPY
COPY 3 - HOUSTON

LOADED BY: *Steve Bender* CUSTOMER
PRINTED
Steve Bender SIGNATURE
 DATE *5/15/92*

**Red Oak Energy, Inc.**

September 28, 1992

Attn: Jim Hemmen
State Corporation Commission
202 W. 1st
#200
Wichita, Kansas 67202

Dear Jim,

I talked to Mike Schoop with B. J. Titan in Great Bend, who cemented the surface casing on the Krankenberg #4-20.

He revised this cementing log and added these details. I hope you will find this jog log satisfactory.

Sincerely,

Kevin C. Davis

KCD/mcn

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STATE CORPORATION COMMISSION
SEP 29 1992
CONSERVATION DIVISION
Wichita, Kansas



P.O. Box 4442
Houston, Texas 77210

CEMENTING LOG

STAGE NO.

Date: S-15-92 District: H. Benel Ticket No: 069501
 Company: Red Oak Rig: Allen #2
 Lease: Kranford Well No: 4-20
 County: Stafford State: Ka
 Location: 281WK-19 4E 2s 1/2E Field:

CEMENT DATA:
 Spacer Type: _____
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG

LEAD: Pump Time _____ hrs. Type _____
 Excess _____

Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG

TAIL: Pump Time _____ hrs. Type _____

Amt. 60/40 382 Excess _____

Amt. 1370 Sks Yield 1242 ft³/sk Density 14.8 PPG

WATER: Lead 5.6 gals/sk Tail X gals/sk Total _____ Bbls.

Pump Trucks Used 54271 6480

Bulk Equip. 54212

CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size 8 7/8 Type _____ Weight 23 Collar _____

Casing Depths: Top _____ Bottom _____

Drill Pipe: Size _____ Weight _____ Collar _____

Open Hole: Size _____ T.D. _____ ft. P.B. to _____ ft.

CAPACITY FACTORS:

Casing: Bbls/Lin. ft. 0637 Lin. ft./Bbl. 15.7

Open Hole: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____

Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____

Annulus: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____

Bbls/Lin. ft. _____ Lin. ft./Bbl. _____

Perforations: From _____ ft. to _____ ft. Amt. _____

Float Equip: Manufacturer _____

Shoe: Type _____ Depth _____

Float: Type _____ Depth _____

Centralizers: Quantity _____ Plugs Top _____ Bltn. _____

Stage Collars _____

Special Equip. _____

Disp. Fluid Type A20 Amt. 42.9 Bbls. Weight 8.34 PPG

Mud Type _____ Weight _____ PPG

COMPANY REPRESENTATIVE: _____

CEMENTER Mike

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	
						Run 16 jts of 8 7/8 csg to 694'
						Cemented with 190 sks of 60/40 ppg
						2% gel 3% A-7. Pumped plug to 674'
						Cement did not circulate. ran
						line on outside of csg &
						found cement top @ 104' mixed
						100 sks of 60/40 ppg 2% gel 3% A-7
						down 1" didn't circulate
						Mixed another 50 sks of 60/40
						pg 2% gel 3% A-7 & cement
						did circulate to surf
						thanks

RECEIVED
STATE CORPORATION COMMISSION

SEP 29 1992

CONSERVATION DIVISION
Wichita, Kansas

SERVICES

LOAD SHEET

15-185-22843-0000

JOB NUMBER _____ CONTRACT NUMBER _____ DATE 5-14-92 DIRECT SHIPMENT FROM _____ DISTRICT NAME _____

CUSTOMER NAME AND ADDRESS: Red Oak DIRECT SHIPMENT FROM _____ VENDOR NAME _____

Item No.	Part Number	Description	UNIT OF MEASURE	AMOUNT LOADED	DIRECT SHIPPED	AMOUNT RETURNED
1						
2		<u>54212</u>				
3						
4						
5						
6	<u>0504</u>	<u>Common</u>	<u>Q</u>	<u>204</u>		
7	<u>5018</u>	<u>Permit</u>	<u>Q</u>	<u>136</u>		
8	<u>5049</u>	<u>PAF</u>	<u>L</u>	<u>877</u>		
9	<u>0145</u>	<u>gel</u>	<u>L</u>	<u>585</u>		
10						
11						
12						
13						
14						
15						
16		<u>200 of 60/40 3x2</u>		<u>FC</u>		
17		<u>140 of 60/40 3x2</u>		<u>BC</u>		
18						
19						
20						
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22						
23		<u>15.4</u>				
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STATE CORPORATION COMMISSION
AUG 7 1992
WINGENBAUM DIRECTOR
Wright, Kansas

COPY 1 - DISTRICT COPY
COPY 2 - CUSTOMER COPY
COPY 3 - HOUSTON

LOADED BY: Mike Rich PRINTED CUSTOMER: Mike Kern SIGNATURE
DATE _____ SIGNATURE _____



P.O. BOX 4442
Houston, Tx. 77210

REMIT TO: P.O. Box 297476, Houston, Tx. 77297

15-185-22843-0000
SERVICE OPERATIONS CONTRACT
TERMS NET 30 DAYS FROM DATE OF CONTRACT

CUSTOMER ACCOUNT NO.		DIST NAME <i>H Bend</i>	DATE <i>5-15-92</i>	SERVICE CONTRACT NO. 069501
CUSTOMER <i>Red Oak</i>		DIST NUMBER <i>582</i>	NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/>	WELL TYPE <i>D</i>
ADDRESS <i>200 W. Douglas #510</i>		WELL NO. <i>#450</i>	LEASE NAME & FEDERAL OFFSHORE LEASE NO. <i>Kranenberg Kranenberg</i>	
CITY <i>Wichita</i> STATE <i>Ka</i> ZIP <i>67202</i>		COUNTY/PARISH <i>Stafford</i>	CODE <i>14</i>	STATE <i>Ka</i> CODE <i>14</i>
AUTHORIZED BY: (Please Print)		FIELD NAME <i>K-19 281 4E 2S 1/2 E</i>	CITY CODE	
STAGE NO.		ORDER NO.	WELL OWNER <i>Red Oak</i>	
JOB CODE <i>100</i>	WORKING DEPTH FT.	PUMPING EQUIPMENT		
1 SURFACE <input type="checkbox"/> 2 INTERMEDIATE <input type="checkbox"/> 3 PRODUCTION <input type="checkbox"/> 4 REMEDIAL <input type="checkbox"/>		TRUCK CALLED <i>1000 P</i> MM DD YY <i>5/18/92</i>		
TOTAL PREV. GALS.	SIZE HOLE <i>12 1/4</i> DEPTH FT.	ARRIVED AT JOB <i>1150 P</i> MM DD YY <i>5/14/92</i>		
TOTAL MEAS. DEPTH FT.	SIZE & WT. CASING <i>8 5/8</i> DEPTH FT.	START OPERATION <i>2:45 A</i> MM DD YY <i>5/15/92</i>		
PRESSURE AVG. PSI. MAX. PSI.	SIZE & WT. DRILL PIPE OR TUBING FT.	FINISH OPERATION <i>3:15 A</i> MM DD YY <i>5/15/92</i>		
	PACKER DEPTH	TIME RELEASED		
	FLUID PUMPED	MILES FROM STATION TO WELL <i>40</i>		
CUSTOMER INSTRUCTIONS FOR DISPOSAL OF RETURNED CEMENT				
MAX. BPM				
S/S EMPLOYEE NUMBER <i>62-8498</i>				

REMARKS

REMARKS

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered)
The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of BJ SERVICES.

PRICE BOOK _____ SIGNED: _____ (WELL OWNER, OPERATOR, CONTRACT OR AGENT)

PRICE BOOK REF. NO.	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	PRICE EXTENSION
1 101010306	1	Price of job	663.00	E	663.00
2 10109005	18	PTM	2.47	E	44.46
3 10410504	354	Common	5.63	Q	1998.52
4 10415018	136	permix	2.94	Q	399.84
5 10415049	1800	A-9	.48	Q	864.00
6 10420145	585	gal	.15	Q	87.75
7 10940101	2086	Hauling (25' x 18')	.79	Q	1648.94
8 10880001	364.4	Handling & Dumping	1.16	Q	422.70
9 10430636	1	8 5/8 R.C Plug	105.25	E	105.25
10					3511.47

SERVICE REPRESENTATIVE *Mike* THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *Mike Kern* 4662.81

CHECK IF CONTINUATION IS USED _____ (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)
CUSTOMER: This is not an invoice - This Service Operations Contract is subject to review and correction by our Accounting Department.



P.O. BOX 4442
Houston, Texas 77210

15-185-22843-0000

CEMENTING LOG

STAGE NO.

Date: 5-15-92 District: 28 Bend Ticket No. 069501
 Company: Red Oak Rig: Allen # 2
 Lease: Handling/Kranbury Well No. # 4-20
 County: Stafford State: TX
 Location: 2812K-19 4E23 1/2 F Field:

CEMENT DATA:
 Spacer Type: _____
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG

CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size: 8 1/2 Type _____ Weight: 23 Collar _____

LEAD: Pump Time _____ hrs. Type _____
 Excess _____

Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG

TAIL: Pump Time _____ hrs. Type _____
60/40 3x2 Excess _____

Amt. 340 Sks Yield 1.242 ft³/sk Density 14.8 PPG

WATER: Lead 5.6 gals/sk Tail x gals/sk Total 45.3 Bbls.

Casing Depths: Top _____ Bottom _____

Pump Trucks Used 54271 6480

Bulk Equip. 54212

Drill Pipe: Size _____ Weight _____ Collars _____

Open Hole: Size _____ T.D. _____ ft. P.B. to _____ ft.

CAPACITY FACTORS:

Casing: Bbls/Lin. ft. 10637 Lin. ft./Bbl. 15.7

Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____

Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____

Annulus: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____

Bbls/Lin. ft. _____ Lin. ft./Bbl. _____

Perforations: From _____ ft. to _____ ft. Amt. _____

Float Equip: Manufacturer _____

Shoe: Type _____ Depth _____

Float: Type _____ Depth _____

Centralizers: Quantity _____ Plugs Top _____ Btm. _____

Stage Collars _____

Special Equip. _____

Disp. Fluid Type H2O Amt. 42.9 Bbls. Weight 8.34 PPG

Mud Type _____ Weight _____ PPG

COMPANY REPRESENTATIVE _____

CEMENTER Mike

TIME AM/PM	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
						<p>Ran 16 jts of 8 1/2 to 694'</p> <p>Cemented with 340 sk 60/40</p> <p>prop mix 29 gal 3% A-7 Pumped</p> <p>plug to 674'</p> <p>Cement did not circulate</p> <p>Top cement 104' mixed 150' of</p> <p>common 3% A-7</p> <p>Thanks</p>
						<p>RECEIVED</p> <p>REGISTRATION COMMISSION</p> <p>AUG 7 1992</p> <p>REGISTRATION DIVISION</p> <p>Wichita, Kansas</p>

FINAL DISP. PRESS: _____ PSI BUMP PLUG TO _____ PSI BLEEDBACK _____ BBLs. THANK YOU

Form No. SR 0502 (Rev. 3/90)
 Note: Must accompany job ticket



INVOICE DATE
05/15/92

DIRECT BILLING INQUIRIES TO:	TERMS:	REMIT TO:
713-895-5821	NET AMOUNT DUE 30 DAYS FROM DATE OF INVOICE	B.J. SERVICES P.O. BOX 297476 HOUSTON, TX 77297

PAGE:	INVOICE NO:
1	069501

AUTHORIZED BY:
069501

PURCH. ORDER REF. NO:
N/A

RED OAK ENERGY, INC.

200 W DOUGLAS
SUITE 510
HICHITA KS 67202
WELL NUMBER : 4-20

CUSTOMER NUMBER : 5212 - 0

LEASE NAME AND NUMBER	STATE	COUNTY/PARISH	CITY	DISTRICT NAME	DISTR. NO.
KRANKENBERG	KS	1409		Great Bend	582
JOB LOCATION/FIELD	MTA DISTRICT	DATE OF JOB	TYPE OF SERVICE		
K-19 & 281 4E2S1/2E		05/15/92	LAND-CONDUCTOR/SURFACE		

PRODUCT NUMBER	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	EXTENDED PRICE
10100308	1.00	CEMENT CASING 901 TO 1,000 FEET	663.00		663.00
10109005	18.00	MILEAGE CHRG, FROM NEAREST BASE OF	2.47		44.46
10410504	354.00	CLASS "A" CEMENT	5.63	CF	1,993.02
10415018	136.00	FLY ASH	2.94	CFT	399.84
10415049	1300.00	A-7-P CALCIUM CHLORIDE PELLETS	0.48	LB	624.00
10420145	585.00	BJ GEL. BENTONITE, PFR POUND	0.15	LB	87.75
10430636	1.00	3 5/8" TOP PLUG RESIN/PLASTIC CORE	105.25	EA	105.25
10880001	521.40	MIXING SERVICE CHRG DRY MATERIALS.	1.16		604.82
10940101	408.60	DRAYAGE, PER TON MILE	0.79		322.79
SUBTOTAL					4,844.93
DISCOUNT					1,550.38

ACCOUNT	AMOUNT	TOTAL
1.0000% BARTON	2,182.70	2,182.70
4.2500% KS-NEW WELL	2,182.70	2,182.70

RECEIVED 92.77
AUG 7 1992
STATE CORPORATION COMMISSION
CONSERVATION DIVISION
Wichita, Kansas

TAX EXEMPTION STATUS: PAY THIS AMOUNT → 3,403.15