

ORIGINAL

SIDE ONE

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

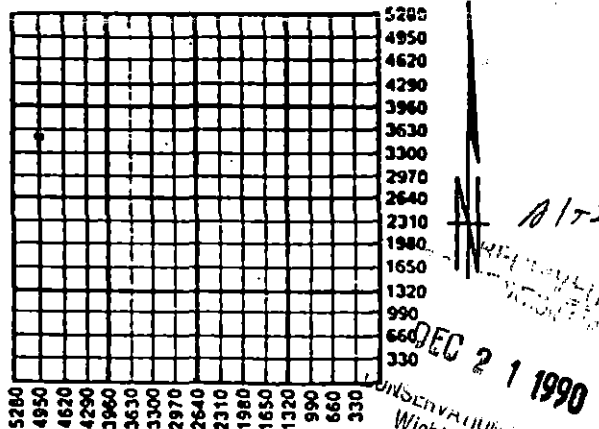
Operator: License # 3581
Name: RED OAK ENERGY, INC.
Address 111 W. Douglas #507
Wichita, KS 67202
City/State/Zip
Purchaser: Texaco
Operator Contact Person: Kevin C. Davis
Phone (316) 265-9925
Contractor: Name: ALLEN DRILLING COMPANY
License: 5418
Wellsite Geologist: Scott Banks

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

If OWO: old well info as follows:
Operator: N/A
Well Name: _____
Comp. Date _____ Old Total Depth _____

Drilling Method:
 Mud Rotary Air Rotary Cable
9/21/90 9/28/90 10-19-90
Spud Date Date Reached TD Completion Date

API NO. 15- 185-22.722-0000
County Stafford
60'S of NW SW NW Sec. 20 Twp. 22 Rge. 12 East West
3570' Ft. North from Southeast Corner of Section
4950 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)
Lease Name KRANKENBERG Well # 2-20
Field Name Krankenber
Producing Formation Arbuckle
Elevation: Ground 1872' KB 1877'
Total Depth 3845' PBTD _____



Amount of Surface Pipe Set and Cemented at 257
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 10/29/90
Subscribed and sworn to before me this 29 day of October STATE OF KANSAS
19 90
Notary Public Martha C. Nussbaum
Date Commission Expires February 19, 1994

K.C.C. OFFICE USE ONLY
Letter of Confidentiality Attached
Drillers Timelog Received
Distribution
KCC SMD/Rep NGPA
KGS Plug Other (Specify)
Wichita, Kansas

MARTHA C. NUSSBAUM
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 2-19-94

91

SIDE TWO

Operator Name RED OAK ENERGY, INC. Lease Name KRANKENBERG Well # 2-20
 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.)
 See Attached sheet

Formation Description
 Log Sample
 Name Top Bottom
 See Attached sheet

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
Surface	12-1/4"	8-5/8"	20#	257'	60/40poz	185	2% gel, 3% cc
Production	7-7/8"	5-1/2"	15.5#	3844'	40/60poz	125	2% gel
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			Depth			
4	3737-43'			500 gal 15% FE acid			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
	Size	Set At	Packer At				
		2986'					
Date of First Production		Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)					
Oct 24, 1990							
Estimated Production Per 24 Hours		Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio		Gravity
		25	n/a	60			

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 _____

Krankenbergl 2-20
60' South NW SW NW 20-22-12w
Stafford County, Kansas

ORIGINAL

Drill Stem Tests

DST #1 3396-3405' 30/45/45/60
IFP: strong blow...GTS: 18 minutes
Rec. 25' HOCM 25% oil
IHP: 1672
IFP: 20-20
FHP: 904
FFP 20-20
ISIP 956
FSIP: 904
Gauged gas: at 3000 CF/D both openings

DST #2 3466-3501 30/45/45/60
GTS 7" gauge 37,000 decreasing to 24,000
Rec. 30' HOGCM 15% gas 25% oil 60% mud
120' HOGCM 35% gas 25% oil 40% mud
120' Slig. mud cut gsy oil 35% gas 63% oil 2% mud
IHS 1713 FHS 1703
IFP 83-83 FFP 93-104
ISIP 676 FSIP 676

FORMATION DESCRIPTION (Sample Tops)

Anhydrite	671	+1206
Base Anhydrite	691	+1186
Heebner Shale	3184	-1307
Brown Lime	3421	-1444
Base KC	3560	-1683
Viola	3626	-1749
Simpson Shale	3685	-1808
Arbuckle	3736	-1859

RECEIVED
STATE CORPORATION COMMISSION

DEC 4 1957

Geological Survey Division
Wichita, Kansas

013-483-2627, Russell, Kansas
 ne 316-793-5861, Great Bend, Kansas

ORIGINAL

15-185-22722-0000
 Phone Plainville 913-434-2812
 Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC.

No. 5989

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date	9-21-90	Sec.	20	Twp.	22	Range	12	Called Out	—	On Location	3 ³⁰ PM	Job Start	4 ³⁰ PM	Finish	5 ⁰⁰ PM
Lease	Krankenberg	Well No.	2-20		Location	281 + 119 HE 24 S 41 W		County	Stafford	State	KS				
Contractor	All-a Drilling #3														
Type Job	Surface														
Hole Size	12 ^{1/4}	T.D.	260ft												
Csg. #20	8 ^{5/8}	Depth	258ft												
Tbg. Size		Depth													
Drill Pipe		Depth													
Tool		Depth													
Cement Left in Csg.	15ft	Shoe Joint													
Press Max.		Minimum													
Meas Line	✓	243ft	Displace	15.4											
Perf															

EQUIPMENT

Pumptrk	No.	Cementer	Mike
	120	Helper	Brad
Pumptrk	No.	Cementer	
		Helper	
		Driver	
Bulktck	116	Driver	BRUCE

DEPTH of Job

Reference:	Pump Truck charge	360.00
21	mileage charge	42.00
1	wooden plug	40.00
	Sub Total	
	Tax	
	Total	442.00

Remarks: Cement did ~~not~~ circulate

Cement circulating while still mixing

Allied Cementing Co. Inc. by Michael Munsch
 Michael Munsch

Owner: Same

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.

Charge To: Red Oak Energy Inc.

Street: 111 W. Douglas Suite 507
 City: Wichita State: KS 67202

The above was done to satisfaction and supervision of owner agent or contractor

Purchase Order No. X
 Craig Chisholm
 CEMENT

Amount Ordered	185 ⁰⁰ / ₁₀₀ 2+3
Consisting of	
Common	111 5.00 555.00
Poz. Mix	74 2.25 166.50
Gel.	4 6.75 NIC
Chloride	6 20.00 120.00
Quickset	
Handling	185 .90 166.50
Mileage	21 116.55
Sub Total	
Total	1124.55

Floating Equipment

Total \$ 1566.55

STATE COMPTROLLER'S OFFICE 313.31

DEC 4 1990 \$ 1253.24

CONSERVATION DIVISION
 Wichita, Kansas

013-483-2627, Russell, Kansas
 316-793-5861, Great Bend, Kansas

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 Phone Plainville 913-434-2812
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ORIGINAL

ALLIED CEMENTING CO., INC.

NO 5989

Home Office P. O. Box 31 Russell, Kansas 67865

New

Date	9-21-90	Sec	20	Twp.	22	Range	12	Called Out	—	On Location	3 30 PM	Job Start	4:30 PM	Finish	5:00 PM
Lease	Krankeberg	Well No.	2-20	Location	281 + M19 HC 245 side	County	Stafford	State	Ks.						
Contractor	Allen Drilling #3					Owner	Same								
Type Job	Surface					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.	260 ft												
Csg. #	20	Depth	258 ft												
Tbg. Size		Depth													
Drill Pipe		Depth													
Tool		Depth													
Cement Left in Csg.	15 ft	Shoe Joint													
Press Max.		Minimum													
Meas Line	✓	243 ft	Displace	15.4											
Perf.															

EQUIPMENT

Pumptrk	No.	Cementer	Mike
	120	Helper	Brad
Pumptrk	No.	Cementer	
		Helper	
		Driver	
Bulktrk	116		SHAW
Bulktrk		Driver	

DEPTH of Job

Reference:	Pump Truck charge	360.00
21	mileage charge	42.00
1	wooden plug	40.00
	Sub Total	
	Tax	
	Total	442.00

Remarks: Cement did ~~not~~ circulate

Cement circulating while still mixing

Allied Cementing Co. Inc. By Michael Munsch
 Michael Munsch

Charge To	Red Oak Energy Inc		
Street	111 W. Douglas Suite 507		
City	Wichita	State	Ks. 67202
The above was done to satisfaction and supervision of owner agent or contractor			
Purchase Order No.	X <i>Craig Chittenden</i>		
CEMENT			
Amount Ordered	185 64/100	2+3	
Consisting of			
Common	111	5.00	555.00
Poz. Mix	74	2.25	166.50
Gel.	4	6.75	NIC
Chloride	6	20.00	120.00
Quickset			
Sales Tax			
Handling	185	.90	166.50
Mileage	21		116.55
			Sub Total
			Total
1124.55			
Floating Equipment			

Total \$ 1566.55

Disc - 313.31

STATE CORPORATION COMMISSION

DEC 4 1990

\$ 1253.24

CONSERVATION DIVISION
 Wichita, Kansas

913-483-2627, Russell, Kansas
 316-793-5861, Great Bend, Kansas

ORIGINAL

15-185-22722-0000
 Phone Plainville 913-434-2812
 Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC.

No 5989

Home Office P. O. Box 31 Russell, Kansas 67865

New

Date	9-21-90	Sec.	20	Twp.	22	Range	12	Called Out	—	On Location	3 3/4 hr	Job Start	4 3/4 pm	Finish	5 3/4 pm
Lease	Krankenberg	Well No.	2-20	Location	281 + 119	HC 245 side		County	Stafford	State	Ks.				
Contractor	Allen Drilling #3	Owner	Same												
Type Job	Surf. & core	To Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner's contractor to do work as listed.													
Hole Size	12 1/4	T.D.	260 ft												
Csg. #	H20	Depth	258 ft												
Tbg. Size		Depth													
Drill Pipe		Depth													
Tool		Depth													
Cement Left in Csg.	16 ft	Shoe Joint													
Press Max.		Minimum													
Meas Line	243 ft	Displace	15.8												
Perf.															

EQUIPMENT

Pumptrk	No.	Cementer	Mike
	120	Helper	Brad
Pumptrk	No.	Cementer	
		Helper	
		Driver	
Bulktrk	No.	Driver	Shirley
	116		

DEPTH of Job

Reference:	Pump Truck charge	360.00
21	mileage charge	42.00
1	swivel charge	40.00
	Sub Total	
	Tax	
	Total	442.00

Remarks: Cement did not circulate

Cement circulating while still mixing

Allied Cementing Co. Inc. By Michael Munsch
 Michael Munsch

Charge To Red Oak Energy Inc
 Street 111 W. Douglas Suite 507
 City Wichita State Ks. 67202
 The above was done to satisfaction and supervision of owner agent or contractor
 Purchase Order No. X
 Craig Chittick
 CEMENT

Amount Ordered	185 6/10 2+3
Consisting of	
Common	111 5.00 555.00
Poz. Mix	74 2.25 166.50
Gel.	4 6.75 NIC
Chloride	6 20.00 120.00
Quickset	

Handling	185	.90	166.50
Mileage	21		116.55
		Sub Total	
		Total	1124.55

Floating Equipment

Total \$ 1566.55

RECEIVED BY THE COMMISSION 313.31

DEC 2 1990 \$ 1253.24

CONSERVATION DIVISION
 Wichita, Kansas