

ORIGINAL

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 200 /W. Douglas

City/State/Zip Wichita, Ks. 67202

Purchaser: _____

Operator Contact Person: Kevin C. Davis

Phone (316) 265-9925

Contractor: Name: Abercrombie RTD, Inc.

License: 30684

Wellsite Geologist: Scott Banks

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SLOW Temp. Abd.

Gas ENHR SIGW

Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: N/A

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD

Plug Back PBTD

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Inj?) Docket No. _____

12-01-94 12-08-94 12-09-94
Spud Date Date Reached TD Completion Date

API NO. 15- 199-20,224-0000

County Wallace

- NW - NW - SW Sec. 5 Twp. 15S Rge. 42 ^E _W

2292 Feet from (circle one) Line of Section

330 Feet from (circle one) Line of Section

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

Lease Name Johannes Well # 1-5

Field Name Wildcat

Producing Formation D & A

Elevation: Ground 3900' KB 3905'

Total Depth 5280' PBTD 5279'

Amount of Surface Pipe Set and Cemented at 653.55 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan D&A 994 11-6-95
(Data must be collected from the Reserve Pit)

Chloride content 10,500 ppm Fluid volume 1200 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

_____ Quarter Sec. _____ Twp. _____ S Rng. _____ E/W

County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, 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 2/8/95

Subscribed and sworn to before me this 9th day of February, 1995.

Notary Public Victoria Davis

Date Commission Expires October 21, 1997

RECEIVED
STATE CORPORATION COMMISSION
FEB 16 1995
02-10-95
K.C.C. OFFICE USE ONLY
 Letter of Confidentiality Attached
 Wireline Log Received
 Geologist Report Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

VICTORIA DAVIS
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 10/21/97

SIDE TWO

Operator Name Red Oak Energy Lease Name Johannes Well # 1-5
 Sec. 5 Twp. 15S Rge. 42 East West
 County Wallace Co., Ks.

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: DIL
CDN
 No Geologist report made

Log Formation (Top), Depth and Datums Sample

Name	Top	Datum
Morrow Shale	5048	-1143
Morrow Lime	5128	-1223
Mississippian	5196	-1291

CASING RECORD New Used
 Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface		8 5/8"	23#	653.55'	60/40posmix	450	3% cc

ADDITIONAL CEMENTING/SQUEEZE RECORD

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

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)	
		Amount	Depth

TUBING RECORD Size _____ Set At _____ Packer At _____ Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. D&A Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours
 Oil N/A Bbls. Gas N/A Mcf Water N/A Bbls. Gas-Oil Ratio _____ Gravity _____

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

TRILOBITE TESTING, L.L.C. ORIGINAL

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

API# 15-199-20224-00-00

Well Name JOHANNES 1-5 Test No. 1 Date 12/07/94
Company RED OAK ENERGY INC Zone MORROW
Address 200 WEST DOUGLAS #510, WICHITA, KS 67202 Elevation 3900
Co. Rep./Geo. SCOTT BANKS Cont. AMBERCROMBIE DRILLING Est. Ft. of Pay _____
Location: Sec. 5 Twp. 15S Rge. 42W Co. WALLACE State KS

Interval Tested	<u>5040-5210</u>	Drill Pipe Size	<u>4.5" XH</u>
Anchor Length	<u>170</u>	Wt. Pipe I.D. - 2.7 Ft. Run	_____
Top Packer Depth	<u>5040</u>	Drill Collar - 2.25 Ft. Run	<u>287</u>
Bottom Packer Depth	<u>5210</u>	Mud Wt.	<u>9.0</u> lb/Gal.
Total Depth	<u>5279</u>	Viscosity	<u>54</u>
		Filtrate	<u>8.0</u>

Tool Open @ 2:55PM Initial Blow 1-1/2" BLOW IN 1-1/2 MINUTES. PACKER FAILURE.

Final Blow _____

Recovery - Total Feet _____ Flush Tool? NO

Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT _____ °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 5,000 ppm System

(A) Initial Hydrostatic Mud _____ PSI AK1 Recorder No. 10332 Range 4050

(B) First Initial Flow Pressure _____ PSI @ (depth) 5046 w/ Clock No. 25114

(C) First Final Flow Pressure _____ PSI AK1 Recorder No. 11086 Range 4350

(D) Initial Shut-in Pressure _____ PSI @ (depth) 5206 w/ Clock No. 25828

(E) Second Initial Flow Pressure _____ PSI AK1 Recorder No. 6730 Range 4100

(F) Second Final Flow Pressure _____ PSI @ (depth) 5278 w/ Clock No. 26199

(G) Final Shut-in Pressure _____ PSI Initial Opening _____ Final Flow _____

(H) Final Hydrostatic Mud _____ PSI Initial Shut-in _____ Final Shut-in _____

Our Representative GARY SPEER

Test Ticket

No 7665

Well Name & No. Johannes 1-5 Test No. 1 Date 12-7-94
 Company Red Oak Energy, Inc. Zone Tested _____
 Address 200 W. Douglas #310 Wichita, Ks. Elevation 3900 "GL"
 Co. Rep./Geo. Scott Banks cont. Abercrombie Drk. Est. Ft. of Pay _____
 Location: Sec. 5 Twp. 15 Rge. 42 Co. Wallace State Ks.
 No. of Copies _____ Distribution Sheet _____ Yes _____ No _____ Turnkey _____ Yes _____ No _____ Evaluation _____

Interval Tested 5040 - 5210 Drill Pipe Size 4 1/2 xH
 Anchor Length 170' Top Choke — 1" _____ Bottom Choke — 3/4" _____
 Top Packer Depth 5040' Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
 Bottom Packer Depth 5210' Wt. Pipe I.D. — 2.7 Ft. Run 287'
 Total Depth 5279' (LTD) Drill Collar — 2.25 Ft. Run _____
 Mud Wt. 9.0 lb/gal. Viscosity 54 Filtrate 8.0
 Tool Open @ 2:55 pm Initial Blow 1 1/2" blow in 1 1/2 min - Packer failure

Final Blow _____

Recovery — Total Feet	Feet of Gas in Pipe	Flush Tool?
Rec. _____ Feet Of _____	%gas _____ %oil _____ %water _____ %mud _____	
Rec. _____ Feet Of _____	%gas _____ %oil _____ %water _____ %mud _____	
Rec. _____ Feet Of _____	%gas _____ %oil _____ %water _____ %mud _____	
Rec. _____ Feet Of _____	%gas _____ %oil _____ %water _____ %mud _____	
Rec. _____ Feet Of _____	%gas _____ %oil _____ %water _____ %mud _____	

BHT _____ °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 5,000 ppm System

- (A) Initial Hydrostatic Mud _____ PSI AK1 Recorder No. 10332 Range 4050
- (B) First Initial Flow Pressure _____ PSI @ (depth) 5046 w/Clock No. 25114
- (C) First Final Flow Pressure _____ PSI AK1 Recorder No. 11086 Range 4350
- (D) Initial Shut-in Pressure _____ PSI @ (depth) 5206 w/Clock No. 25828
- (E) Second Initial Flow Pressure _____ PSI AK1 Recorder No. 6330 6730 Range ~~4050~~
- (F) Second Final Flow Pressure _____ PSI @ (depth) 5218 w/Clock No. 26199
- (G) Final Shut-in Pressure _____ PSI Initial Opening ~~5218~~ Test
- (H) Final Hydrostatic Mud _____ PSI Initial Shut-in _____ Jars

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF 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, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

- Final Flow _____ Safety Joint
- Final Shut-in _____ Straddle
- _____ Circ. Sub
- _____ Sampler _____
- _____ Extra Packer
- _____ Other _____

Approved By Gary Fisher

Our Representative Gary Speer

TOTAL PRICE \$ _____

TRILOBITE TESTING, L.L.C.

15-199-20224-00-00

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name JOHANNES 1-5 Test No. 2 Date 12/07/94
 Company RED OAK ENERGY INC Zone MORROW
 Address 200 WEST DOUGLAS #510, WICHITA, KS 67202 Elevation 3900
 Co. Rep./Geo. SCOTT BANKS Cont. AMBERCROMBIE DRILLING Est. Ft. of Pay _____
 Location: Sec. 5 Twp. 15S Rge. 42W Co. WALLACE State KS

Interval Tested 5010-5210 Drill Pipe Size 4.5" XH
 Anchor Length 200 Wt. Pipe I.D. - 2.7 Ft. Run _____
 Top Packer Depth 5010 Drill Collar - 2.25 Ft. Run 287
 Bottom Packer Depth 5210 Mud Wt. 9.0 lb/Gal.
 Total Depth 5280 Viscosity 54 Filtrate 8.0

Tool Open @ 7:15PM Initial Blow WEAK STEADY 2" BLOW THROUGHOUT.

Final Blow WEAK SURFACE BLOW, DIED IN 30 MINUTES.

Recovery - Total Feet 145 Flush Tool? NO

Rec. 145 Feet of DRILLING MUD. 100% MUD.
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____

BHT 122 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 5,000 ppm System

(A) Initial Hydrostatic Mud 2444.3 PSI AK1 Recorder No. 10332 Range 4050

(B) First Initial Flow Pressure 135.4 PSI @ (depth) 5035 w / Clock No. 25114

(C) First Final Flow Pressure 71.0 PSI AK1 Recorder No. 11086 Range 4350

(D) Initial Shut-in Pressure 910.8 PSI @ (depth) 5206 w / Clock No. 25828

(E) Second Initial Flow Pressure 116.8 PSI AK1 Recorder No. 6730 Range 4100

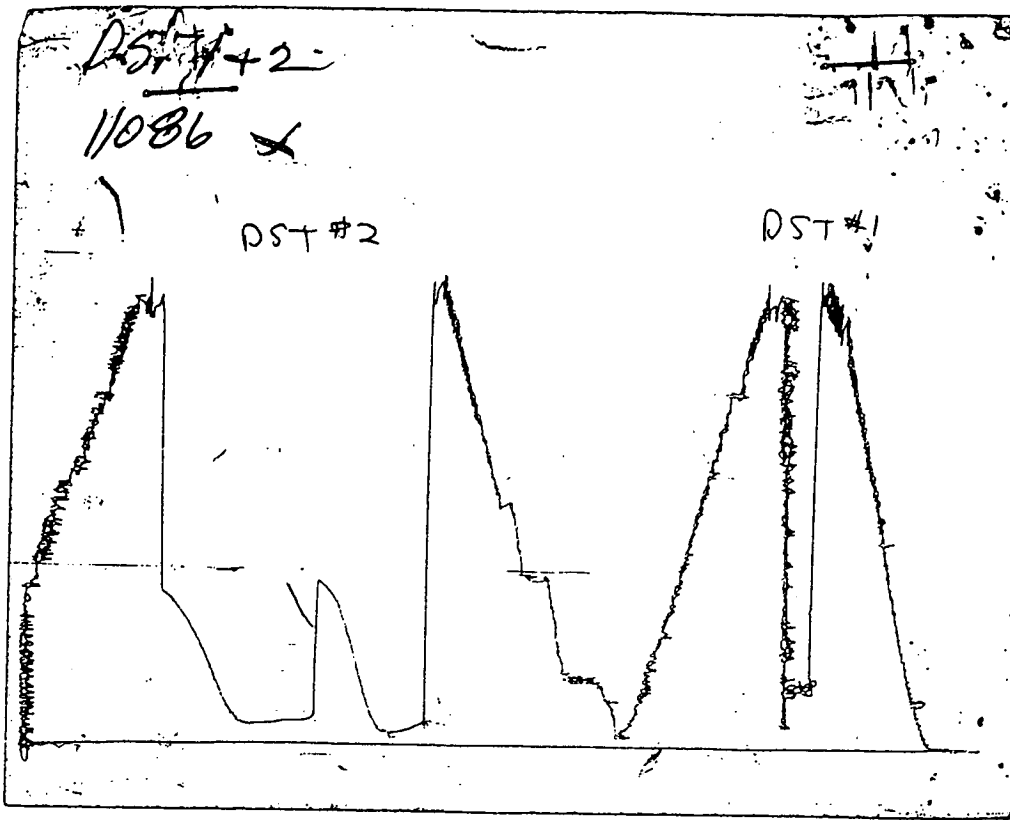
(F) Second Final Flow Pressure 116.8 PSI @ (depth) 5279 w / Clock No. 26199

(G) Final Shut-in Pressure 849.1 PSI Initial Opening 30 Final Flow 45

(H) Final Hydrostatic Mud 2479.2 PSI Initial Shut-in 45 Final Shut-in 60

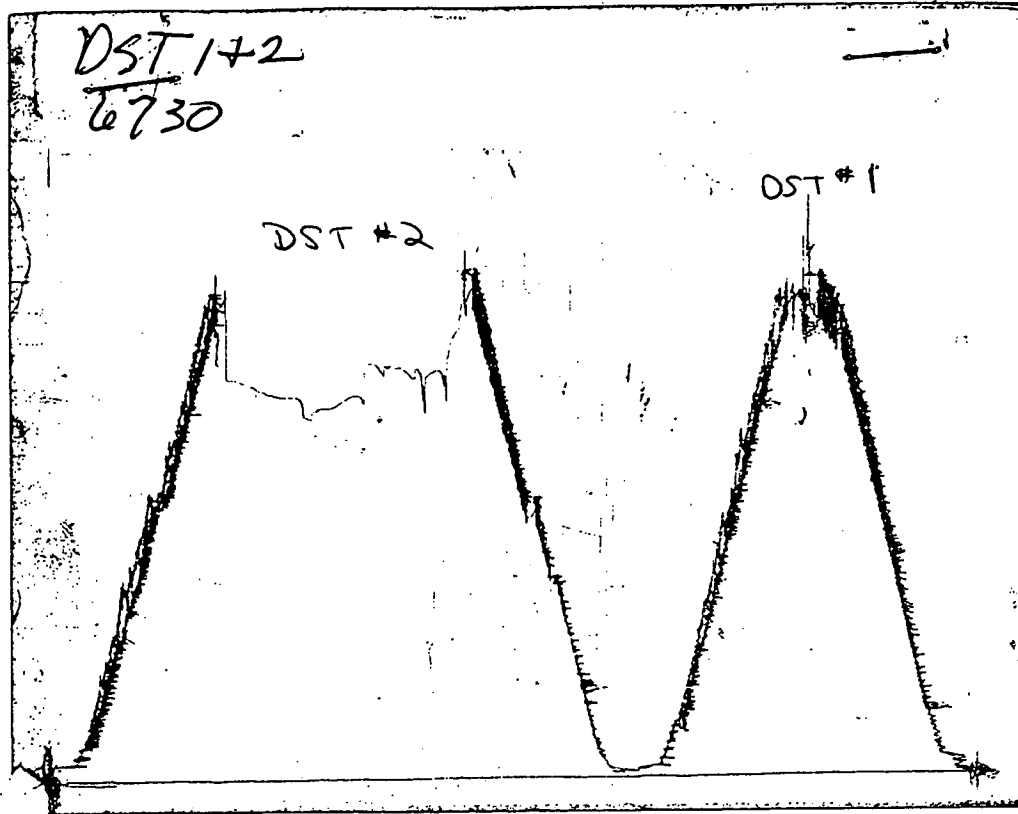
Our Representative GARY SPEER

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2458	2444.3
(B) FIRST INITIAL FLOW PRESSURE	65	135.4
(C) FIRST FINAL FLOW PRESSURE	120	71
(D) INITIAL CLOSED-IN PRESSURE	898	910.8
(E) SECOND INITIAL FLOW PRESSURE	120	116.8
(F) SECOND FINAL FLOW PRESSURE	120	116.8
(G) FINAL CLOSED-IN PRESSURE	878	849.1
(H) FINAL HYDROSTATIC MUD	2400	2479.2



This is an actual photograph of recorder chart

FIELD
READING

OFFICE
READING

- (A) INITIAL HYDROSTATIC MUD
- (B) FIRST INITIAL FLOW PRESSURE
- (C) FIRST FINAL FLOW PRESSURE
- (D) INITIAL CLOSED-IN PRESSURE
- (E) SECOND INITIAL FLOW PRESSURE
- (F) SECOND FINAL FLOW PRESSURE
- (G) FINAL CLOSED-IN PRESSURE
- (H) FINAL HYDROSTATIC MUD

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 7666

Well Name & No.	Johannes 1-5	Test No.	2	Date	12-7-94								
Company	Red Oak Energy, Inc.	Zone Tested	Morrow										
Address	200W Douglas #576 Wichita, Ks.	Elevation	3900 "GL"										
CO. Rep./Geo.	Scott Banks	cont.	Abercrombie Drlg	Est. Ft. of Pay									
Location: Sec.	5	Twp.	15	Rge.	42	Co.	Wallace	State	Ks				
No. of Copies		Distribution Sheet		Yes		No	Turnkey		Yes		No	Evaluation	

Interval Tested	5010 - 5210	Drill Pipe Size	4 1/2 XH			
Anchor Length	200'	Top Choke - 1"		Bottom Choke - 1/4"		
Top Packer Depth	5010'	Hole Size - 7 7/8"		Rubber Size - 6 3/4"		
Bottom Packer Depth	5210'	Wt. Pipe I.D. - 2.7 Ft. Run	287'			
Total Depth	5280'	Drill Collar - 2.25 Ft. Run				
Mud Wt.	9.0	lb/gal.	Viscosity	54	Filtrate	8.0
Tool Open @	7:15 pm	Initial Blow	Weak steady 2" blow throughout			
Final Blow	weak surface blow, died in 30 min.					

Recovery - Total Feet	Feet of Gas In Pipe	Flush Tool?	%gas	%oil	%water	%mud
145'	Dry Mud	NO			100	
Rec. _____	Feet Of _____		%gas	%oil	%water	%mud
Rec. _____	Feet Of _____		%gas	%oil	%water	%mud
Rec. _____	Feet Of _____		%gas	%oil	%water	%mud
Rec. _____	Feet Of _____		%gas	%oil	%water	%mud

BHT	122	°F Gravity		°API @		°F Corrected Gravity		°API			
RW		@		°F Chlorides		ppm Recovery	5,000	Chlorides		ppm System	
(A) Initial Hydrostatic Mud	2458	PSI	AK1 Recorder No.	10332	Range	4050					
(B) First Initial Flow Pressure	65	PSI	@ (depth)	5035	w/Clock No.	25114					
(C) First Final Flow Pressure	120	PSI	AK1 Recorder No.	11086	Range	4350					
(D) Initial Shut-In Pressure	898	PSI	@ (depth)	5206	w/Clock No.	25828					
(E) Second Initial Flow Pressure	120	PSI	AK1 Recorder No.	16730	Range	4100					
(F) Second Final Flow Pressure	120	PSI	@ (depth)	5279	w/Clock No.	26199					
(G) Final Shut-In Pressure	878	PSI	Initial Opening	30	Test	✓					
(H) Final Hydrostatic Mud	2400	PSI	Initial Shut-In	45	Jars	✓					

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF 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, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Final Flow	45	Safety Joint	✓
Final Shut-In	60	Straddle	✓
		Circ. Sub	✓ NC
		Sampler	✓
		Extra Packer	✓
		Other	

Approved By Haley Fisher
Our Representative Gary Speer

ORIGINAL

Phone 913-483-2627, Russell, KS
Phone 316-793-5861, Great Bend, KS

Phone 913-625-5516, Hays, KS
Phone 913-672-3471, Oakley, KS

Phone 316-886-5926, Medicine Lodge, KS
Phone 913-798-3843, Ness City, KS

ALLIED CEMENTING CO., INC. 0007888

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date	12-8-94	Sec.	5	Twp.	15	Range	42	Called Out		On Location	4:30 AM	Job Start		Finish	10:00 AM
Lease	Johannes	Well No.	1-5	Location	Weskan	3W-7S-ES		County	Wallace	State	Ken				
Contractor	Abercrombie R.T.D. 4					Owner	Same								
Type Job	PTA					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	7 7/8		T.D.	5280'											
Csg.			Depth												
Tbg. Size			Depth												
Drill Pipe			Depth												
Tool			Depth												
Cement Left in Csg.			Shoe Joint												
Press Max.			Minimum												
Meas Line			Displace												
Perf.															

Charge To *Red Oak Energy*

Street

City

State

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

Purchase Order No.

X *Henry Fisher*

CEMENT

Amount Ordered *190 SKS 60/40 ppm, 8% bel, 4 lbs SK*

Consisting of

Common

Poz. Mix

Gel.

Chloride

Quickset

Sales Tax

Handling *1.05 per SK*

Mileage *40 per SK/mile*

Sub Total

Total

Floating Equipment

STATE CORPORATION COMMISSION

FEB 10 1995

CONCRETE DIVISION WICHITA, KANSAS

T.H. D.

REMARKS:

25 SKS @ 2840'

100 SKS @ 1850'

40 SKS @ 700'

10 SKS @ 40'

15 SKS @ 0'

Sub Total

Tax

Total

ORIGINAL



JOB SUMMARY

HALLIBURTON DIVISION MIL CONT
HALLIBURTON LOCATION LAMAN CO

BILLED ON TICKET NO. 590564

WELL DATA
FIELD W.C. SEC. 5 TWP. 15 RING. 411 COUNTY WALLACE STATE KS

FORMATION NAME _____ TYPE _____
FORMATION THICKNESS _____ FROM _____ TO _____
INITIAL PROD. OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
PRESENT PROD. OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____
PACKER TYPE _____ SET AT _____
BOTTOM HOLE TEMP. _____ PRESSURE _____
MISC. DATA _____ TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N	23	8 7/8	KB	653	
LINER						
TUBING						
OPEN HOLE			12 1/4	KB	655	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

TOOLS AND ACCESSORIES Howco
TYPE AND SIZE QTY. MAKE
FLOAT COLLAR _____
FLOAT SHOE _____
GUIDE SHOE TYPE 11 1
CENTRALIZERS 1.5-4 3
BOTTOM PLUG _____
TOP PLUG LA 10 1
HEAD _____
PACKER _____
OTHER F.I. WAFFLE 1

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>12-1-94</u>	DATE <u>12-1-94</u>	DATE <u>12-1-94</u>	DATE <u>12-1-94</u>
TIME <u>5:30</u>	TIME <u>8:45</u>	TIME <u>8:55</u>	TIME <u>13:30</u>

MATERIALS
TREAT. FLUID _____ DENSITY _____ LB/GAL. API
DISPL. FLUID _____ DENSITY _____ LB/GAL. API
PROP. TYPE _____ SIZE _____ LB.
PROP. TYPE _____ SIZE _____ LB.
ACID TYPE _____ GAL. %
ACID TYPE _____ GAL. %
ACID TYPE _____ GAL. %
SURFACTANT TYPE _____ GAL. IN
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 _____

PERSONNEL AND SERVICE UNITS		
NAME	UNIT NO. & TYPE	LOCATION
<u>R. PALMER</u> <u>136702</u>	<u>52625</u>	<u>LAMAN CO</u>
<u>C. ASSLES</u> <u>44061</u>	<u>37459</u>	
<u>Gale Kingston</u> <u>1-4880</u>	<u>5070</u>	

DEPARTMENT Oil
DESCRIPTION OF JOB 8 7/8
JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.
CUSTOMER REPRESENTATIVE X Harry Fisher
HALLIBURTON OPERATOR C. Castle COPIES REQUESTED _____

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>440</u>	<u>60/40P22</u>		<u>370 CC</u>		<u>1.30</u>	<u>14.0</u>

SUMMARY
CIRCULATING _____ DISPLACEMENT _____ PRESLUSH: BBL.-GAL. _____ TYPE _____
BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL.-GAL. _____ STATE DISPERSED CEMENT COMMISSION
SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY: BBL.-GAL. 125 101
HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL.-GAL. _____
ORDERED _____ AVAILABLE _____ USED _____ REMARKS FEB 10 1995
AVERAGE RATES IN BPM _____
TREATING _____ DISPL. _____ OVERALL _____
CEMENT LEFT IN PIPE _____
WICHITA, KANSAS

CUSTOMER RED OAK
LEASEE JOHANNES
WELL NO. 1-5
JOB TYPE CS
DATE 12-1-94

CHARGE TO: **RED OAK**
 ADDRESS:
 CITY, STATE, ZIP CODE:

ORIGINAL
TICKET
 No. **590564 - 7**
 PAGE 1 OF 1

FORM 1906 R-13

SERVICE LOCATIONS LAMAN CO	WELL/PROJECT NO. 1-5	LEASE JOHANS	COUNTY/PARISH WALLACE	STATE KS	CITY/OFFSHORE LOCATION	DATE 12-7-94	OWNER SAMS
TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input type="checkbox"/> NO	CONTRACTOR ABERCRABIE	RIG NAME/NO.	SHIPPED VIA CI	DELIVERED TO LOC	ORDER NO.	
WELL TYPE 01	WELL CATEGORY 03	JOB PURPOSE 010	WELL PERMIT NO.	WELL LOCATION 5, 15, 41			
FERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE / PART NUMBER	ACCOUNTING			DESCRIPTION	QTY		UNIT PRICE	AMOUNT
		LOC	ACCT	OF		U/M	U/M		
00-117					MILEAGE	275	1	2.75	206.25
01-016					DUMP CHARGE	653	1	1.36	890.00
16A	830.2171				TYPE MESSOR	1	8 1/2	161.00	161.00
40	806.60059				CENTRALIZER	3		72.00	216.00
97	825.1264				FIB DRAFFER	1		9.00	9.00
30-503					Wool EN p LOC	1		95.00	95.00

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. CUSTOMER OR CUSTOMER'S AGENT SIGNATURE <i>(Gary Fisher)</i> DATE SIGNED: <input checked="" type="checkbox"/> TIME SIGNED: <input type="checkbox"/> A.M. <input type="checkbox"/> P.M. <input type="checkbox"/> do <input checked="" type="checkbox"/> do not require IPC (Instrument Protection). <input type="checkbox"/> Not offered	SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN		SURVEY <input checked="" type="checkbox"/> AGREE <input type="checkbox"/> UN-DECIDED <input type="checkbox"/> DIS-AGREE		PAGE TOTAL 1659 25 FROM CONTINUATION PAGE(S) 6546 24 SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE 8205.49
	TYPE LOCK	DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?		
	BEAN SIZE	SPACERS	WE UNDERSTOOD AND MET YOUR NEEDS?		
	TYPE OF EQUALIZING SUB.	CASING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?		
	TUBING SIZE	TUBING PRESSURE	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?		
	WELL DEPTH	ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES <input type="checkbox"/> NO		
	TREE CONNECTION	<input checked="" type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND			
	TYPE VALVE				

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) Gary Fisher	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <i>(Gary Fisher)</i>	HALLIBURTON OPERATOR/ENGINEER <i>(C. Cash)</i>	EMP # 44061	HALLIBURTON APPROVAL <i>(Ron Dan Bushick)</i>
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DATE 12-1-94 PAGE NO.

JOB LOG FORM 2013 R-4

CUSTOMER **HED OAK** WELL NO. **1-5** LEASE **JOHANNES** JOB TYPE **8 5/8** TICKET NO. **590664**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								5, 15, 41 ORIGINAL
								WALLACE KS
	9:00							BEG ON LOC.
	8:45							ON LOC
	8:55							Howco Bon F. Equip. Pump truck on loc.
	12:15							Howco Hods up to C.B.
	12:45							Howco Hods up to CMT.
1	12:50	5					500	START CMT
2		5	101				500	FINISH CMT
3								RELEASE PLUG
4		5					150	START DISP.
5		2	39				400	FINISH DISP.
6							600	BONF. BAFFLE
	13:20							CLOSE IN HEAD.
								CMT C.B. YES

RECORDED STATE CORPORATION COMMISSION

FEB 10 1995

CONSERVATION DIVISION WICHITA, KANSAS

WELL DATA

FIELD W C SEC 5 TWP 15 RNG 411 COUNTY WALLACE STATE KS

FORMATION NAME _____ TYPE _____
FORMATION THICKNESS _____ FROM _____ TO _____
INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____
PACKER TYPE _____ SET AT _____
BOTTOM HOLE TEMP. _____ PRESSURE _____
MISC DATA _____ TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<u>N</u>	<u>22</u>	<u>8 3/4</u>	<u>KD</u>	<u>1.53</u>	
LINER						
TUBING						
OPEN HOLE			<u>12 1/4</u>	<u>KD</u>	<u>6.58</u>	<u>SHOTS/FT.</u>
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>12-1-94</u> TIME <u>5:30</u>	DATE <u>12-1-94</u> TIME <u>8:45</u>	DATE <u>12-1-94</u> TIME <u>5:57</u>	DATE <u>12-1-94</u> TIME _____

TOOLS AND ACCESSORIES Holoco

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE <u>TYPE 11</u>	<u>1</u>	
CENTRALIZERS <u>5-61</u>	<u>2</u>	
BOTTOM PLUG		
TOP PLUG <u>LA 10</u>	<u>1</u>	
HEAD		
PACKER		
OTHER <u>FIL BALLS</u>	<u>1</u>	

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>B. PALMER</u>	<u>52225</u>	<u>LAIRDALE</u>
<u>C. ASHLE</u>	<u>37454</u>	<u>LAIRDALE</u>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. °API
 DISPL. FLUID _____ DENSITY _____ LB/GAL. °API
 PROP. TYPE _____ SIZE _____ LB.
 PROP. TYPE _____ SIZE _____ LB.
 ACID TYPE _____ GAL. _____ %
 ACID TYPE _____ GAL. _____ %
 ACID TYPE _____ GAL. _____ %
 SURFACTANT TYPE _____ GAL. _____ IN
 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 C-1
 DESCRIPTION OF JOB S-8
 JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.
 CUSTOMER REPRESENTATIVE X
 HALLIBURTON OPERATOR C. Ashle COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>450</u>	<u>60/40 P-2</u>		<u>2 1/2 CC</u>		<u>1.69</u>	<u>13.1</u>

PRESSURES IN PSI SUMMARY

CIRCULATING _____ DISPLACEMENT _____
 BREAKDOWN _____ MAXIMUM _____
 AVERAGE _____ FRACTURE GRADIENT _____
 SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____
 HYDRAULIC HORSEPOWER _____
 AVAILABLE _____ USED _____
 AVERAGE RATES IN BPM _____
 DISPL. _____ OVERALL _____
 CEMENT LEFT IN PIPE _____
 REASON BLEED

VOLUMES

PRESLUSH: BBL.-GAL. _____ TYPE _____
 LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
 TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 39
 CEMENT SLURRY: BBL.-GAL. 135
 TOTAL VOLUME: BBL.-GAL. _____

REMARKS

RECEIVED
 STATE CORPORATION COMMISSION
 FEB 10 1995

CUSTOMER

CONSERVATION DIVISION WICHITA, KANSAS

STOMER
LEASE
WELL NO.
JOB TYPE
DATE