

ORIGINAL

SIDE ONE

22787

=065-222870000

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

Operator: License # 32016

Name: Pioneer Resources

Address RR 2, Box 47A

Phillipsburg, Kansas

City/State/Zip 67661

Purchaser: _____

Operator Contact Person: Rodger D. Wells

Phone (785) 542-5556

Contractor: Name: Shields Drilling Co.

License: 5184

Wellsite Geologist: Ron Nelson

Designate Type of Completion

New Well Re-Entry Workover

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

If Workover:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

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

8-8-97 8-15-97
Spud Date Date Reached TD Completion Date

API NO. 15- 065-222870000

County Graham

330 Feet from N (circle one) Line of Section

2310 Feet from E/W (circle one) Line of Section

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

Lease Name Pakkehier Well # 1

Field Name W/C

Producing Formation Dry

Elevation: Ground 2276 KB 2281

Total Depth 2740 PBTB _____

Amount of Surface Pipe Set and Cemented at 262 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 265

feet depth to surface w/ 160 sx cmt.

Drilling Fluid Management Plan D&A, 4-24-98 U.C.
(Data must be collected from the Reserve Pit)

Chloride content _____ ppm Fluid volume _____ bbls

Dewatering method used _____

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

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

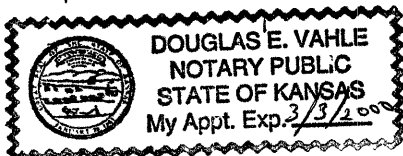
County _____ Docket No. _____

STATE CORPORATION COMMISSION
RECEIVED
12-8-97
CONSERVATION DIVISION
Wichita, Kansas

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 Rodger D. Wells
Title Owner Date Dec 5-1997
Subscribed and sworn to before me this 5th day of December,
19 97.
Notary Public _____
Date Commission Expires 3/3/2000



K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify)

Operator Name Pioneer Resources Lease Name Pakkebier Well # 1

Sec. 14 Twp. 6 Rge. 22 East West

County Graham

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 type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datums	<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 type="checkbox"/> No	Top Anhydrite	1939	+342
Electric Log Run (Submit Copy.)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Base Anhydrite	1973	+308
List All E.Logs Run:		Topeka	3286	-1005
		Heebner	3485	-1204
		Toronto	3512	-1231
		LKC	3579	-1248
		BKC	3722	-1441

CASING RECORD <input 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"		262'		240	60/40 3% cel 2% gel.

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

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

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) _____

TRILOBITE TESTING L.L.C.

ORIGINAL

P.O. Box 362 • Hays, Kansas 67601

15-065-22287

№ 10529

Test Ticket

Well Name & No. Parkchier A1 Test No. 2 Date 8-14
 Company Pioneer Resources Zone Tested LKC D-F
 Address _____ Elevation 2281 KB 2276 GL
 Co. Rep / Geo. Ron Nelson Cont. Shields Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 14 Twp. 6s Rge. 22w Co. Lincoln State Ks
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3566-3615 Initial Str Wt./Lbs. _____ Unseated Str Wt./Lbs. _____
 Anchor Length 49 Wt. Set Lbs. _____ Wt. Pulled Loose/Lbs. _____
 Top Packer Depth 3561 Tool Weight 1900
 Bottom Packer Depth 3566 Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Total Depth 3615 Wt. Pipe Run 916 Drill Collar Run _____
 Mud Wt. 9.3 LCM _____ Vis. 43 WL 10.0 Drill Pipe Size 4 1/2 FH Ft. Run 2654
 Blow Description surface blow building to 2 1/2'
FF surface blow building to 3m

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP	%gas	%oil	%water	%mud
<u>70</u>							
Rec. _____	Feet Of _____						
Rec. _____	Feet Of _____						
Rec. _____	Feet Of _____						
Rec. _____	Feet Of _____						

STATE CORPORATION RECEIVED
 DEC 08 1997
 CONSERVATION DIVISION
 W. M. M. Kansas

BHT _____ °F Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm System
 (A) Initial Hydrostatic Mud 1918 1811 PSI Recorder No. 2346 T-Started 10:23
 (B) First Initial Flow Pressure 55 17 PSI (depth) 3567 T-Open 11:40
 (C) First Final Flow Pressure 77 43 PSI Recorder No. 11084 T-Pulled _____
 (D) Initial Shut-in Pressure 905 876 PSI (depth) 3581 T-Out _____
 (E) Second Initial Flow Pressure 77 44 PSI Recorder No. _____
 (F) Second Final Flow Pressure 88 59 PSI (depth) _____
 (G) Final Shut-in Pressure _____ PSI Initial Opening 30 Test _____
 (H) Final Hydrostatic Mud 1864 1786 PSI Initial Shut-in 60 Jars _____
 Final Flow 30 Safety Joint _____
 Final Shut-in _____ Straddle _____
57 1/2 stands Circ. Sub _____
 Sampler _____
 Extra Packer _____
 Elect. Rec. X
 Other _____
 TOTAL PRICE \$ _____

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.

Approved By R. J. Wells
 Our Representative Paul Simpson

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

15-065-22287

ORIGINAL Test Ticket

10520

Well Name & No. <u>Packer #1</u>	Test No. <u>01</u>	Date <u>8-15-065-222</u>
Company <u>Packer Resources</u>	Zone Tested <u>Toronto</u>	
Address <u>RR2 Box 47A Phillipsburg Ks 67661</u>	Elevation <u>2251</u>	KB <u>2276</u> GL
Co. Rep / Geo. <u>Ron Nelson</u>	Cont. <u>Shields</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>14</u>	Twp. <u>6S</u>	Rge. <u>22W</u> Co. <u>Broham</u> State <u>Ks</u>
No. of Copies _____	Distribution Sheet (Y, N) _____	Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested <u>3472 - 3525</u>	Initial Str Wt./Lbs. <u>52,000</u>	Unseated Str Wt./Lbs. _____
Anchor Length <u>53</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. _____
Top Packer Depth <u>3467</u>	Tool Weight <u>1900</u>	
Bottom Packer Depth <u>3472</u>	Hole Size — <u>7 7/8"</u>	Rubber Size — <u>6 3/4"</u>
Total Depth <u>3525</u>	Wt. Pipe Run <u>916</u>	Drill Collar Run _____
Mud Wt. <u>9.2</u> LCM _____ Vis. <u>45</u> WL <u>9.2</u>	Drill Pipe Size <u>4 1/2</u>	Ft. Run <u>2560</u>
Blow Description <u>1/8" blow building to 2 1/2"</u>		

FF surface blow building to

Recovery — Total Feet <u>65</u>	GIP <u>17</u>	Ft. in DC _____	Ft. in DP <u>65</u>
Rec. <u>65</u> Feet Of <u>oil specked mud</u>	% gas <u>10</u>	% oil <u>10</u>	% water <u>90</u>
Rec. _____ Feet Of _____	% gas _____	% oil _____	% water _____
Rec. _____ Feet Of _____	% gas _____	% oil _____	% water _____
Rec. _____ Feet Of _____	% gas _____	% oil _____	% water _____
Rec. _____ Feet Of _____	% gas _____	% oil _____	% water _____

RECEIVED
 STATE CORPORATION COMMISSION
 IN DC
DEC 08 1997
 CONSERVATION DIVISION
 Wichita, Kansas

BHT <u>103</u>	°F Gravity _____	°API D@ _____	°F Corrected Gravity _____	°API _____
RW _____ @ _____	°F Chlorides _____	ppm Recovery _____	Chlorides _____	ppm System _____
(A) Initial Hydrostatic Mud <u>1768</u> <u>1742</u>	PSI Recorder No. <u>2346</u>	T-Started <u>1623</u>		
(B) First Initial Flow Pressure <u>98</u> <u>10</u>	PSI (depth) <u>1473</u>	T-Open <u>1723</u>		
(C) First Final Flow Pressure <u>98</u> <u>35</u>	PSI Recorder No. <u>11054</u>	T-Pulled <u>1923</u>		
(D) Initial Shut-in Pressure <u>1153</u> <u>1101</u>	PSI (depth) <u>3520</u>	T-Out <u>2036</u>		
(E) Second Initial Flow Pressure <u>121</u> <u>37</u>	PSI Recorder No. _____			
(F) Second Final Flow Pressure <u>121</u> <u>51</u>	PSI (depth) _____			
(G) Final Shut-in Pressure <u>1121</u> <u>1070</u>	PSI Initial Opening <u>30</u>	Test _____		
(H) Final Hydrostatic Mud <u>1778</u> <u>1717</u>	PSI Initial Shut-in <u>30</u>	Jars _____		
	Final Flow <u>30</u>	Safety Joint _____		
	Final Shut-in <u>30</u>	Straddle _____		

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Approved By Rodgeril Wells

Our Representative Paul Simpson

Final Flow 30 Safety Joint _____

Final Shut-in 30 Straddle _____

56 stands ✓

Circ. Sub _____

Sampler _____

Extra Packer _____

Elect. Rec. _____

Other _____

TOTAL PRICE \$ _____

ALLIED CEMENTING CO., INC.

8795

Federal Tax I.D.# [REDACTED]

15-065-22787

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Russell

ORIGINAL

DATE <u>12-97</u>	SEC <u>14</u>	TWP. <u>6</u>	RANGE <u>22</u>	CALLED OUT <u>7:30pm</u>	ON-LOCATION <u>10:45</u>	JOB START	JOB FINISH <u>12:00AM</u>
LEASE <u>Pakke bice</u>	WELL # <u>1</u>	LOCATION <u>Hill City 12 1/2 N 5 1/2 E</u>			COUNTY <u>Graham</u>	STATE <u>KS</u>	
OLD OR <u>(NEW)</u> (Circle one)							

CONTRACTOR Shields Drlg.

TYPE OF JOB SURFACE

HOLE SIZE 12 1/4 T.D.

CASING SIZE 8 1/2 DEPTH 262

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT

OWNER _____

CEMENT AMOUNT ORDERED 240 lbs 6 1/4 3% CC 20% GGT

COMMON @ _____

POZMIX @ _____

GEL @ _____

CHLORIDE @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

HANDLING @ _____

MILEAGE @ _____

TOTAL _____

EQUIPMENT

PUMP TRUCK CEMENTER BILL

153 HELPER MARK

BULK TRUCK DRIVER _____

BULK TRUCK DRIVER Brent

202

REMARKS:

pipe set @ 262'

Cement 4 240 lb 6 1/4 3-2

Pump plug w/ 16 1/4 bbs

Cement did circulate ✓

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE @ _____

MILEAGE @ _____

PLUG @ _____

_____ @ _____

_____ @ _____

TOTAL _____

CHARGE TO: Pioneer Resources

STREET RR 2 Box 47A

CITY Phillipsburg STATE KS. ZIP 67661

FLOAT EQUIPMENT

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

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 is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

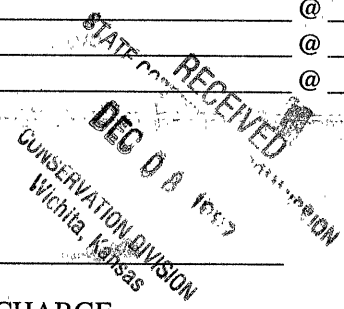
TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE Burton Beery

Burton Beery
PRINTED NAME



GENERAL TERMS AND CONDITIONS

DEFINITIONS: In these terms and conditions, "Allied" shall mean Allied Cementing Co., Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

—**TERMS:** Unless satisfactory credit has been established, "CUSTOMER" must tender full cash payment to "ALLIED" before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, "CUSTOMER" agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing, in no event shall this Contract provide for interest exceeding the maximum rate of interest that "CUSTOMER" may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the "CUSTOMER" or at the option of "ALLIED," refunded directly to "CUSTOMER." For purposes of this paragraph, ALLIED and CUSTOMER agree that KANSAS law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

—**ATTORNEY FEES:** In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the terms of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limited to, a reasonable sum as and for attorney's fees.

—**PRICES AND TAXES:** All merchandise listed in "ALLIED'S" current price schedule are F.O.B. ALLIED'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by ALLIED shall be added to the quoted prices charged to CUSTOMER.

—**TOWING CHARGES:** ALLIED will make a reasonable attempt to get to and from each job site using its own equipment. Should ALLIED be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by ALLIED, will be charged to and paid by CUSTOMER.

—**PREPARATION CHARGES:** If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay ALLIED for the expenses incurred by ALLIED as a result of the cancellation.

—**DEADHAUL, CHARGES:** Unless otherwise specified on the front of this Contract, a deadhaul charge as set forth in ALLIED'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.

—**SERVICE CONDITIONS AND LIABILITIES:** 1. ALLIED carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond ALLIED'S control, ALLIED shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless ALLIED, its officers, agents and employees, from and against any and all claims or suits for:

(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with ALLIED'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of ALLIED or its employees.

2. With respect to any of ALLIED'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to ALLIED at the landing, CUSTOMER shall either recover the lost item without cost to ALLIED or reimburse ALLIED the current replacement cost of the item unless the loss or damage results from the sole negligence of ALLIED or its employees.

3. ALLIED does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

WARRANTIES: 1. ALLIED warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. ALLIED'S obligation under this warranty is expressly limited to repair, replacement, or allowance for credit, at its option, for any merchandise which is determined by ALLIED to be defective. THIS IS THE SOLE WARRANTY OF ALLIED AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and ALLIED shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

2. More specifically:

(A) Nothing in this contract shall be construed as a warranty by ALLIED of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by ALLIED or any interpretation of tests, meter readings, chart information, analysis of research, or recommendations made by ALLIED, unless the inaccuracy or incorrectness is caused by the wilful misconduct or gross negligence of ALLIED or its employees in the preparation or furnishing of such facts, information or data.

(C) Work done by ALLIED shall be under the direct supervision and control of the CUSTOMER or his agent and ALLIED will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.

ALLIED CEMENTING CO., INC.

5319

15-065-22787

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL

SERVICE POINT:

Russell

DATE <u>8-15-97</u>	SEC. <u>14</u>	TWP. <u>6</u>	RANGE <u>22</u>	CALLED OUT <u>8:00 AM</u>	ON LOCATION <u>10:15 AM</u>	JOB START <u>10:45 AM</u>	JOB FINISH <u>1:45 PM</u>
LEASE <u>PAKOBIA</u> WELL # <u>1</u>			LOCATION <u>Hill City 13N SE 25, 170</u>		COUNTY <u>Graham</u>	STATE <u>KANSAS</u>	
OLD OR NEW (Circle one)							

CONTRACTOR SHIELDS D&L Rig #2

TYPE OF JOB ROTARY Plug

HOLE SIZE 7 7/8 T.D. 3745

CASING SIZE 8 5/8 SUNKER DEPTH 262'

TUBING SIZE _____ DEPTH _____

DRILL PIPE 4 1/2 - F - H DEPTH 1970'

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

OWNER _____

CEMENT

AMOUNT ORDERED 200 SK 60 6% GEL
1/4" # F10-SEAL PER SK

COMMON _____ @ _____

POZMIX _____ @ _____

GEL _____ @ _____

CHLORIDE _____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

HANDLING _____ @ _____

MILEAGE _____ @ _____

TOTAL _____

EQUIPMENT

PUMP TRUCK CEMENTER Will

177 HELPER Will

BULK TRUCK

218 DRIVER ANDY OARNEY

BULK TRUCK

_____ DRIVER _____

REMARKS:

25 SK @ 1970

100 SK @ 1170

40 SK @ 315

10 SK @ 40 & Aug

15 SK @ RAT

10 SK @ Mouse

THANK'S

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE _____ @ _____

MILEAGE _____ @ _____

PLUG 8 5/8 Day Hole @ _____

_____ @ _____

_____ @ _____

TOTAL _____

CHARGE TO: PIONEER RESOURCES

STREET _____

CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

RECEIVED
STATE CORPORATION COMMISSION
DEC 06 1997
CONSERVATION DIVISION
Wichita, Kansas

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TAX _____

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DISCOUNT _____ IF PAID IN 30-DAYS

SIGNATURE Burton Beery

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—**ATTORNEY FEES:** In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the terms of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limited to, a reasonable sum as and for attorney's fees.

—**PRICES AND TAXES:** All merchandise listed in "ALLIED'S" current price schedule are F.O.B. ALLIED'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by ALLIED shall be added to the quoted prices charged to CUSTOMER.

—**TOWING CHARGES:** ALLIED will make a reasonable attempt to get to and from each job site using its own equipment. Should ALLIED be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by ALLIED, will be charged to and paid by CUSTOMER.

—**PREPARATION CHARGES:** If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay ALLIED for the expenses incurred by ALLIED as a result of the cancellation.

—**DEADHAUL, CHARGES:** Unless otherwise specified on the front of this Contract, a deadhaul charge as set forth in ALLIED'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.

—**SERVICE CONDITIONS AND LIABILITIES:** 1. ALLIED carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond ALLIED'S control, ALLIED shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless ALLIED, its officers, agents and employees, from and against any and all claims or suits for:

(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with ALLIED'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of ALLIED or its employees.

2. With respect to any of ALLIED'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to ALLIED at the landing, CUSTOMER shall either recover the lost item without cost to ALLIED or reimburse ALLIED the current replacement cost of the item unless the loss or damage results from the sole negligence of ALLIED or its employees.

3. ALLIED does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

WARRANTIES: 1. ALLIED warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. ALLIED'S obligation under this warranty is expressly limited to repair, replacement, or allowance for credit, at its option, for any merchandise which is determined by ALLIED to be defective. THIS IS THE SOLE WARRANTY OF ALLIED AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and ALLIED shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

2. More specifically:

(A) Nothing in this contract shall be construed as a warranty by ALLIED of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by ALLIED or any interpretation of tests, meter readings, chart information, analysis of research, or recommendations made by ALLIED, unless the inaccuracy or incorrectness is caused by the wilful misconduct or gross negligence of ALLIED or its employees in the preparation or furnishing of such facts, information or data.

(C) Work done by ALLIED shall be under the direct supervision and control of the CUSTOMER or his agent and ALLIED will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.