

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

Operator: License # 9408

Name: Trans Pacific Oil Corporation

Address 100 N. Main, Ste. 1000

City/State/Zip Wichita, KS 67202

Purchaser: _____

Operator Contact Person: Alan Banta

Phone (316) 262-3596

Contractor: Name: Duke Drilling Co., Inc.

License: 5929

Wellsite Geologist: Jon Christensen

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:

RELEASED

Operator: _____

Well Name: MAR 28 2001

Comp. Date FROM CONFIDENTIAL 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. _____

9/5/96 9/15/96 9/17/96
Spud Date Date Reached TD Completion Date

API NO. 15- 007-22519 0000 **ORIGINAL**

County Barber Co., Kansas

NW - NW - SW - Sec. 21 Twp. 32S Rge. 14 E W

2200 Feet from S/W (circle one) Line of Section

400 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 Hoagland Well # 1-21

Field Name Stumph

Producing Formation None, dry hole

Elevation: Ground 1933' KB 1946'

Total Depth 5015' PBDT 5000'

Amount of Surface Pipe Set and Cemented at 1306 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 ALT 1 D&A
(Data must be collected from the Reserve Pit) 10-7-87 RW

Chloride content 30,000 ppm Fluid volume 500 bbls

Dewatering method used hauled off site

Location of fluid disposal if hauled offsite: _____

Operator Name Bowers Drlg. Co.

Lease Name Cole SWDW License No. 5435

SW Quarter Sec. 25 Twp. 32 S Rng. 12 E/W

County Barber Docket No. D-19886

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 [Signature]

Title Vice President Date 12/6/96

Subscribed and sworn to before me this 6th day of December, 19 96.

Notary Public Jamie L. McCabe

Date Commission Expires 5-26-99

| K.C.C. OFFICE USE ONLY | | |
|------------------------------|-------------------------------------|--|
| F | <input checked="" type="checkbox"/> | Letter of Confidentiality Attached |
| C | <input checked="" type="checkbox"/> | Wireline Log Received |
| C | <input checked="" type="checkbox"/> | Geologist Report Received |
| Distribution | | |
| <input type="checkbox"/> KCC | <input type="checkbox"/> SWD/Rep | <input type="checkbox"/> NGPA |
| <input type="checkbox"/> KGS | <input type="checkbox"/> Plug | <input type="checkbox"/> Other (Specify) |

JAMIE L. McCABE
Notary Public - State of Kansas
My Appl. Expires 5-26-99

Operator Name Trans Pacific Oil Corporation Lease Name Hoagland Well # 1-21

Sec. 21 Twp. 32S Rge. 14 East West
 County Barber Co., Kansas

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:

| <input checked="" type="checkbox"/> Log Formation (Top), Depth and Datums <input type="checkbox"/> Sample | | |
|---|------|-------|
| Name | Top | Datum |
| Heebner Shale | 4019 | -2073 |
| Lwr Douglas Ss | 4168 | -2222 |
| Lansing | 4199 | -2253 |
| Stark Shale | 4555 | -2609 |
| BKC | 4645 | -2699 |
| Mississippi | 4699 | -2753 |
| Kinderhook Sh. | 4945 | -2999 |
| Viola | 4996 | -3050 |

Halliburton: DIL, Comp. Neutron-Density, Microlog.

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 |
|-------------------|-------------------|---------------------------|-----------------|---------------|----------------|--------------|----------------------------|
| Conductor | 17-1/2" | 13-3/8" | 48# | 101.83 | Class A | 80 | 3% cc, 2% gel |
| Surface | 12-1/4" | 8-5/8" | 28# | 1306' | ALW | 400 | 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 | None | | | |
| <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 |
|----------------|--|--|-------|
| | | RELEASED | |
| | | MAR 28 2001 | |
| | | FROM CONFIDENTIAL | |

| TUBING RECORD | Size | Set At | Packer At | Liner Run <input type="checkbox"/> Yes <input checked="" 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 |

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 _____

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.

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15-007-22519-0000



CEMENTING LOG ORIGINAL

STAGE NO.

Date 9-6-96 District MARIAN LODGE Ticket No. 4146
 Company TRANS PACIFIC OIL COIP Rig DUKE #7
 Lease HAGLAND A Well No. 1-21
 County BARBER State KANSAS
 Location 160+LAKECITY RD 15, 23, 74 Field

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

5 BBLs H₂O
 LEAD: Pump Time _____ hrs. Type A.L.O. 58CC
14" ELB-STAL Excess _____

Amt. 400 Sks Yield 1.97 ft³/sk Density 12.5 PPG

TAIL: Pump Time 007-2511 hrs. Type CLASS A
58CC + 876 GEL Excess _____

Amt. 150 Sks Yield 1.34 ft³/sk Density 15.2 PPG

WATER: Lead 10.9 gals/sk Tail 65 gals/sk Total 127 Bbls

CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size 8 5/8 Type USFO Weight 28 Collar _____

Pump Trucks Used 255/265
 Bulk Equip. 256/250
257/254

Casing Depths: Top 1378 84 Bottom 8578 1291

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size 12 1/4 T.D. 1310 ft. P.B. to _____ ft.

Floater Equip: Manufacturer _____
 Shoe: Type OPEN ENDED Depth 1291

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. 1.0624 Lin. ft./Bbl. 16.02
 Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbls/Lin. ft. 1.0735 Lin. ft./Bbl. 13.61
 Bbls/Lin. ft. 1.0848 Lin. ft./Bbl. 11.79
 Perforations: From _____ ft. to _____ ft. Amt. _____

Floater Type BATTLE RATE Depth 1258-77
 Centralizers: Quantity 1 Plugs Top RIBBIE Btm. _____
 Stage Collars _____
 Special Equip. 1 - BASKET
 Disp. Fluid Type FRESH H₂O Amt. 78.25 Bbls, Weight 1183 PPG
 Mud Type _____ Weight _____ PPG

COMPANY REPRESENTATIVE HARVEY MOORE

CEMENTER NEAL RUPP

| TIME | PRESSURES PSI | | FLUID PUMPED DATA | | | REMARKS |
|-------|-------------------|---------|-------------------|------------------------|----------------|--|
| | DRILL PIPE CASING | ANNULUS | TOTAL FLUID | Pumped Per Time Period | RATE Bbls Min. | |
| 10:15 | 150 | | | | | KAN 8 5/8 TO 1291 BREAK CIRCULATION - REG PUMP REG UP TO CEMENT LINE |
| 10:28 | | | | | | |
| 10:30 | 200 | | | | 6 | START H ₂ O |
| | 200 | | | 5.0 | 6.5 | START LEAD |
| | 250 | | | 140.0 | 7.0 | START TAIL |
| 10:57 | | | 180.75 | 35.75 | | SLURRY IN - SHUT DOWN |
| 11:00 | 200 | | | 60 | 5.5 | RELEASE PLUG - START DISP |
| | 300 | | | | | SLURRY TO SURFACE |
| | 400 | | 75 | 15 | 3.0 | SLOW RATE - FINAL DISP. PSI |
| 11:15 | 500 | | 78.75 | 3.25 | | Bump Plug - Shut Down - Shut IN |
| | 0 | | | | | RELEASE - PSI - Job COMPLETE |

RELEASED

MAR 28 2001

Vice-President

9-20-96

FROM CONFIDENTIAL

Jamie L. Metable

5-26-97

FINAL DISP. PRESS: 400 PSI BUMP PLUG TO 500 PSI BLEEDBACK SHUT IN BBLs. THANK YOU NR

ALLIED CEMENTING CO., INC. 4125

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

ORIGINAL

SERVICE POINT: W-106006

| | | | | | | | |
|------------------------|----------------|---------------------|------------------|--|----------------------------|--------------------------|---------------------------|
| DATE <u>9-5-96</u> | SEC. <u>21</u> | TWP. <u>33S</u> | RANGE <u>14W</u> | CALLED OUT <u>1:30 PM</u> | ON LOCATION <u>3:30 PM</u> | JOB START <u>6:00 AM</u> | JOB FINISH <u>6:15 PM</u> |
| LEASE <u>HOBASLAND</u> | | WELL # <u>1-21A</u> | | LOCATION <u>160 + LAKE CITY RD, E. 2nd 3rd</u> | | COUNTY <u>FARBER</u> | STATE <u>KANSAS</u> |

OLD OR NEW (Circle one) _____

CONTRACTOR DUKE #7

TYPE OF JOB CONDUCTOR

HOLE SIZE 17 1/4" T.D. 125'

CASING SIZE 13 3/8" 43# DEPTH 100'

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. 10'

PERFS. _____

OWNER TRANS PACIFIC OIL CORP
CEMENT

AMOUNT ORDERED 30 x CLASS A + 3 1/2" @ 6.10 = 183.00
+ 2 1/2" @ 19.00 = 38.00

| | | | | |
|----------|-----------|---|----------------|---------------|
| COMMON | <u>30</u> | @ | <u>6.10</u> | <u>183.00</u> |
| POZMIX | | @ | | |
| GEL | <u>2</u> | @ | <u>9.50</u> | <u>19.00</u> |
| CHLORIDE | <u>3</u> | @ | <u>11.30</u> | <u>34.00</u> |
| | | @ | | |
| | | @ | | |
| | | @ | | |
| | | @ | | |
| | | @ | | |
| HANDLING | <u>30</u> | @ | <u>1.05</u> | <u>31.50</u> |
| MILEAGE | <u>30</u> | | <u>MINIMUM</u> | <u>30.00</u> |

TOTAL \$755.00

EQUIPMENT

PUMP TRUCK CEMENTER K. BRUNBARDT

255-365 HELPER C. FALDING

BULK TRUCK

247 DRIVER J. WINSOR

BULK TRUCK

_____ DRIVER _____

REMARKS:

Run 13 3/8" casing & PEEK
CEMENTATION - MIX 30x CLASS
A + 3 1/2" @ 6.10 + 2 1/2" @ 19.00
USE CEMENT WITH 14 1/2 PPKS.
FRESH 1120
CEMENT DID CEMENT! ✓

SERVICE

| | | | |
|-------------------|---------------|---|--------------|
| DEPTH OF JOB | <u>100'</u> | | |
| PUMP TRUCK CHARGE | <u>0-300'</u> | | <u>44.00</u> |
| EXTRA FOOTAGE | | @ | |
| MILEAGE | | @ | <u>2.85</u> |
| PLUG | | @ | |
| | | @ | |

RELEASED MAR 28 2001

TOTAL # _____

CHARGE TO: TRANS PACIFIC OIL CORP

STREET 100 N. MAIN, S. 1000

CITY WICHITA STATE KANSAS ZIP 67202

FLOAT EQUIPMENT

FROM CONFIDEN...

| | | |
|-------|---|-------|
| _____ | @ | _____ |
| _____ | @ | _____ |
| _____ | @ | _____ |
| _____ | @ | _____ |
| _____ | @ | _____ |

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

NET #

SIGNATURE [Signature]

RECEIVED
 MAR 28 2001
 2:27

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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.

157-007-22

Date 9-5-96 District WED. LODGE Ticket No. 4125
 Company TRANS PACIFIC OIL Rig LUKE #17
 Lease HOASLAND Well No. 1-21A
 County BARBER State KANSAS
 Location 21-32-14W Field _____
160 + LAKE CITY NO. 15, 242W 34N

CEMENT DATA:
 Spacer Type: FRESH H₂O
 Amt. _____ Sks Yield _____ ft³/sk Density 8.34 PPG

ORIGINAL

CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size 13 3/8" Type NEW Weight 48# Collar SRD

LEAD: Pump Time _____ hrs. Type _____
 Excess _____
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG

TAIL: Pump Time _____ hrs. Type CLASS A
1 3/4 (400) + 2 1/2 (60) Excess _____
 Amt. 30 Sks Yield 1.34 ft³/sk Density 12.2 PPG

WATER: Lead _____ gals/sk Tail 6.5 gals/sk Total 10.7 Bbls.

Casing Depths: Top KB Bottom 100'

Pump Trucks Used 255-265 CARL BALDWIN
 Bulk Equip. 242 SHANE WINSOR

Drill Pipe: Size 4 1/2" Weight 16.6# Collars XH
 Open Hole: Size 17 1/4" T.D. 105 ft. P.B. to _____ ft.

Float Equip: Manufacturer _____
 Shoe: Type _____ Depth _____

CAPACITY FACTORS:
 Casing: Bbbls/Lin. ft. .1571 Lin. ft./Bbl. 6.39'
 Open Holes: Bbbls/Lin. ft. .2891 Lin. ft./Bbl. 3.46'
 Drill Pipe: Bbbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbbls/Lin. ft. .1353 Lin. ft./Bbl. 3.67'
 Bbbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

Float: Type _____ Depth _____
 Centralizers: Quantity _____ Plugs Top _____ Btm. _____
 Stage Collars _____
 Special Equip. _____
 Disp. Fluid Type FRESH H₂O Amt. 14.6 Bbls. Weight 8.34 PPG
 Mud Type _____ Weight _____ PPG

COMPANY REPRESENTATIVE HARVEY MOORE, JR.

CEMENTER KEVIN BRUNGARDT

| TIME | PRESSURES PSI | | FLUID PUMPED DATA | | | REMARKS |
|------|-------------------|---------|-------------------|------------------------|-----------------|-----------------------------|
| | DRILL PIPE CASING | ANNULUS | TOTAL FLUID | Pumped Per Time Period | RATE Bbbls Min. | |
| 3:30 | | | | | | ON LOCATION, 156 UP |
| | | | | | | RUN 13 3/8" (56 TO BOTTOM) |
| | | | | | | 5 1/2 BREAK CIRCULATION |
| | 200 | | | | | 5 1/2 START CEMENT |
| | 150 | | 19 | 19 | 5 1/2 | CEMENT IN - START TREATMENT |
| | 200 | | 32 1/2 | 13 1/2 | 5 1/2 | CEMENT CIRCULATES |
| 6:15 | 120 | | 33 1/2 | 1 | 5 1/2 | CEMENT IN - PARGE TOP RUNS |
| | | | | | | JUMP IN |
| | | | | | | RELEASED |
| | | | | | | MAR 28 2001 |
| | | | | | | FROM CONFIDENTIAL |

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