

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

API NO. 15- 135-23705 6000
County Ness
C NE SE Sec. 10 Twp. 17S Rge. 23 X W
1980 Feet from S (circle one) Line of Section
660 Feet from E (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)
Lease Name Willour Trust Well # 1
Field Name Wildcat
Producing Formation NA
Elevation: Ground 2392' KB 2397'
Total Depth 4481' PBDT _____
Amount of Surface Pipe Set and Cemented at 7 jts, 293 Feet
Multiple Stage Cementing Collar Used? Yes X 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 2 O&H 11-20-92
(Data must be collected from the Reserve Pit) RR
Chloride content 34 ppm Fluid volume 1200 bbls
Dewatering method used Evaporation & Deflocculation
Location of fluid disposal if hauled offsite: _____
Operator Name _____
Lease Name _____ License No. _____
Quarter _____ Sec. _____ Twp. _____ S Rng. _____ E/W _____
County _____ Docket No. _____

Operator: License # 30444
Name: Charter Production Company
Address 224 E. Douglas Suite 400
City/State/Zip Wichita, KS 67202
Purchaser: NA
Operator Contact Person: Jerald W. Rains
Phone (316) 264-2808
Contractor: Name: Murfin Drilling Company, Inc.
License: 30606
Wellsite Geologist: Ernie Morrison
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/Re-Entry: old well info as follows:
Operator: _____
Well Name: _____
Comp. Date _____ Old Total Depth _____
 Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBDT
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____
10/3/92 10/8/92 10/8/92
Spud Date Date Reached TD Completion Date

OCT 21
CONFIDENTIAL

RELEASED

NOV 21 1994

FROM CONFIDENTIAL

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Robert A. Grubel
Title President Date 10/20/92
Subscribed and sworn to before me this 20th day of October
1992.
Notary Public Nancy Karndt
Date Commission Expires 2/4/96

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
10-21-92
Distribution
KCC _____ SWD/Rep _____ NGPA _____
KGS _____ Plug _____ Other _____
CONSERVATION DIVISION (Specify)
Wichita, Kansas

Operator Name Charter Production Company

Lease Name Willour Trust

Well # 1

Sec. 10 Twp. 17 Rge. 23

East

County Ness

West

JANUARY

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:

Dual Induction Log

Geologist's Log

Log Formation (Top), Depth and Datum Sample
Name Top Datum

Please see geologist's report & log.

PLEASE KEEP ALL INFORMATION CONFIDENTIAL

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 | 12 1/4" | 8 5/8" | 23# | 293' | 60/40 pozmix | 165 | 2% gel, 3% CO |
| | | | | | | | |
| | | | | | | | |

ADDITIONAL CEMENTING/SQUEEZE RECORD

| Purpose: NA | Depth Top Bottom | Type of Cement | #Sacks Used | Type and Percent Additives |
|----------------|------------------|----------------|-------------|----------------------------|
| Perforate | | | | |
| Protect Casing | | | | |
| Plug Back TD | | | | |
| 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 |
|----------------|--|--|-------|
| NA | | | |
| | | | |
| | | | |

| 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 |
|-----------------------------------|-----------|---------|-------------|---------------|---------|
| | | | | | |

Disposition of Gas:

Vented Sold Used on Lease
(If vented, submit ACD-18.)

METHOD OF COMPLETION

Open Hole Perf. Dually Comp. Commingled
 Other (Specify) _____

Production Interval _____

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

CONFIDENTIAL

Well Name #1 WILLOUR TRUST Test No. 1 Date 10/7/92
Company CHARTER PRODUCTION COMPANY Zone CHESTER C
Address 224 EAST DOUGLAS #400 WICHITA KS 67202 Elevation 2397
Co. Rep./Geo. ERIC MORRISON Cont. MURFIN RIG #20 Est. Ft. of Pay _____
Location: Sec. 10 Twp. 17S Rge. 23W Co. NESS State KS

Interval Tested 4384-4405 Drill Pipe Size 4.5" XH
Anchor Length 21 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 4379 Drill Collar - 2.25 Ft. Run _____
Bottom Packer Depth 4384 Mud Wt. 8.8 lb/Gal.
Total Depth 4405 Viscosity 54 Filtrate 9.2

Tool Open @ 4:36 PM Initial Blow WEAK 1/4" BLOW DECREASING AND DIED IN 25 MINUTES
Final Blow NO BLOW

Recovery - Total Feet 5 Flush Tool? NO

Rec. 5 Feet of MUD
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

RELEASED

NOV 21 1994

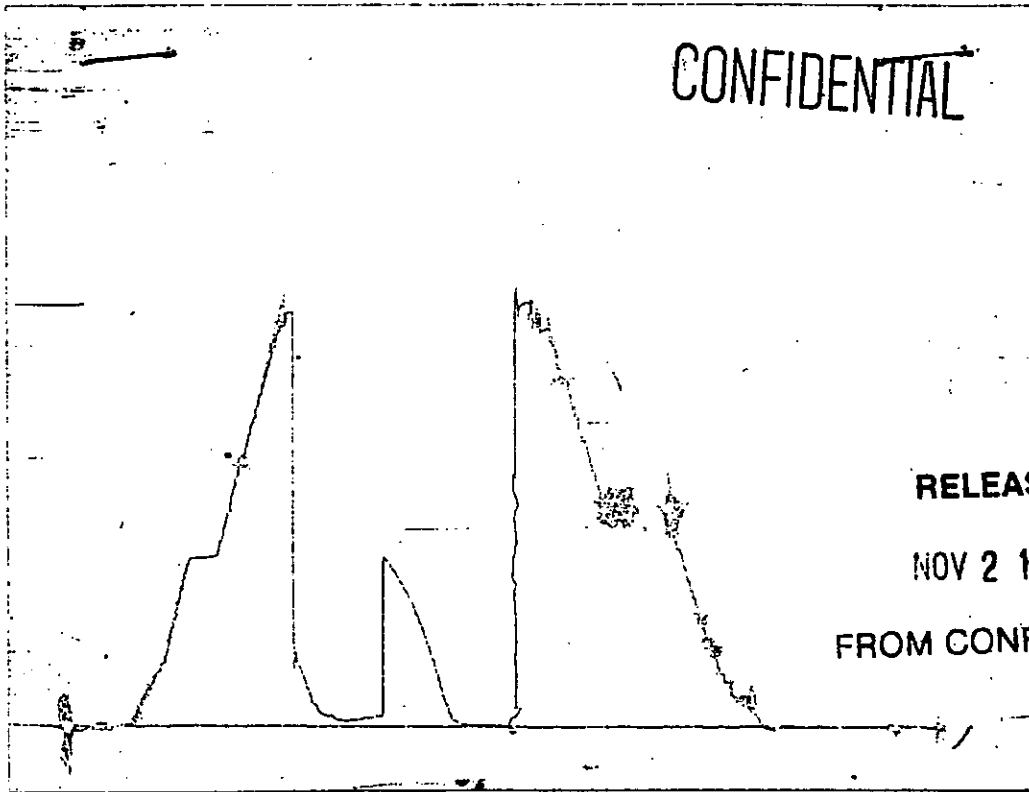
FROM CONFIDENTIAL

BHT 106 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides _____ ppm System

(A) Initial Hydrostatic Mud 2184.6 PSI AK1 Recorder No. 22150 Range 3925
(B) First Initial Flow Pressure 32.4 PSI @ (depth) 4389 w / Clock No. 30401
(C) First Final Flow Pressure 40.9 PSI AK1 Recorder No. 24174 Range 3050
(D) Initial Shut-in Pressure 877.9 PSI @ (depth) 4404 w / Clock No. 27573
(E) Second Initial Flow Pressure 40.9 PSI AK1 Recorder No. _____ Range _____
(F) Second Final Flow Pressure 40.9 PSI @ (depth) _____ w / Clock No. _____
(G) Final Shut-in Pressure 399.6 PSI Initial Opening 30 Final Flow 30
(H) Final Hydrostatic Mud 2080.5 PSI Initial Shut-in 60 Final Shut-in 30

PAUL SIMPSON

CHART PAGE



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This is an actual photograph of recorder chart

| | FIELD READING | OFFICE READING |
|----------------------------------|------------------|-------------------|
| (A) INITIAL HYDROSTATIC MUD | 2182 | 2184.6 |
| (B) FIRST INITIAL FLOW PRESSURE | 30 | 32.4 |
| (C) FIRST FINAL FLOW PRESSURE | 37 | 40.9 |
| (D) INITIAL CLOSED-IN PRESSURE | 873 | 877.9 |
| (E) SECOND INITIAL FLOW PRESSURE | 37 | 40.9 |
| (F) SECOND FINAL FLOW PRESSURE | 37 | 40.9 |
| (G) FINAL CLOSED-IN PRESSURE | 392 | 399.6 |
| (H) FINAL HYDROSTATIC MUD | 2089 | 2080.5 |

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket CONFIDENTIAL No. 5219

| | | | |
|--|--------------------------|--------------------------------------|----------------------------------|
| Well Name & No. <u># Willow Trust</u> | | Test No. <u>1</u> | Date <u>10-7-92</u> |
| Company <u>Charter Production</u> | | Zone Tested <u>Cherokee 'C' Sand</u> | |
| Address <u>2246 Douglas #400 Wichita, KS 67202</u> | | Elevation <u>2397</u> | |
| Co. Rep./Geo. <u>Eric Morrison</u> | | Est. Ft. of Pay _____ | |
| Location: Sec. <u>10</u> | Twp. <u>17S</u> | Rge. <u>23W</u> | Co. <u>Ness</u> State <u>KS</u> |
| No. of Copies <u>10</u> | Distribution Sheet _____ | Yes _____ No _____ | Turnkey _____ Yes _____ No _____ |
| Evaluation _____ | | | |

| | |
|----------------------------------|---|
| Interval Tested <u>4384-4405</u> | Drill Pipe Size <u>4 1/2" IH</u> |
| Anchor Length <u>21</u> | Top Choke — 1" _____ Bottom Choke — 3/4" _____ |
| Top Packer Depth <u>4379</u> | Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____ |
| Bottom Packer Depth <u>4384</u> | Wt. Pipe I.D. — 2.7 Ft. Run _____ |
| Total Depth <u>4405</u> | Drill Collar — 2.25 Ft. Run _____ |
| Mud Wt. <u>8.8</u> lb/gal. | Viscosity <u>54</u> Filtrate <u>9.2</u> |
| Tool Open @ <u>4:36 PM</u> | Initial Blow <u>weak 1/2" blow decreasing to 1" in 25 min</u> |
| Final Blow <u>no blow</u> | |

| | | |
|----------------------------------|---|-------------------|
| Recovery — Total Feet <u>5</u> | Feet of Gas in Pipe _____ | Flush Tool? _____ |
| Rec. <u>5</u> Feet Of <u>Mud</u> | % gas _____ % oil _____ % water _____ % mud _____ | |
| Rec. _____ Feet Of _____ | RELEASED | |
| Rec. _____ Feet Of _____ | NOV 2 1 1994 | |
| Rec. _____ Feet Of _____ | % gas _____ % oil _____ % water _____ % mud _____ | |

BHT 106 °F Gravity FROM CONFIDENTIAL °API @ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides _____ ppm System

- (A) Initial Hydrostatic Mud 2182 PSI Ak1 Recorder No. 22150 Range 3925
- (B) First Initial Flow Pressure 30 PSI @ (depth) 4389 w/Clock No. 30401
- (C) First Final Flow Pressure 37 PSI Ak1 Recorder No. 24104 Range 3050
- (D) Initial Shut-in Pressure 873 PSI @ (depth) 4404 w/Clock No. 27573
- (E) Second Initial Flow Pressure 37 PSI Ak1 Recorder No. _____ Range _____
- (F) Second Final Flow Pressure 37 PSI @ (depth) _____ w/Clock No. _____
- (G) Final Shut-in Pressure 392 PSI Initial Opening 30 Test x 550
- (H) Final Hydrostatic Mud 2089 PSI Initial Shut-in 60 Jars v 200

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 Eric Morrison
 Our Representative Paul Simpson

Final Flow 30 Safety Joint 17
 Final Shut-in 30 Straddle _____
 Circ. Sub _____
 Sampler _____
 Extra Packer _____
 Other _____

ALLIED CEMENTING COMPANY, INC.

P. O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL

TO: Charter Production Co.
400 Kress Energy Center
Wichita, KS 67202

INVOICE NO. 62653
PURCHASE ORDER NO.
LEASE NAME Wilbour Trust #1
DATE Oct. 3, 1992

SERVICE AND MATERIALS AS FOLLOWS:

| | | |
|------------------------------------|----------|------------|
| Common 99 sks @\$5.50 | \$544.50 | |
| Pozmix 66 sks @\$2.50 | 165.00 | |
| Chloride 5 sks @\$21.00 | 105.00 | \$ 814.50 |
| Handling 165 sks @\$1.00 | 165.00 | |
| Mileage (13) @\$.04¢ per sk per mi | 85.80 | |
| Surface | 380.00 | |
| Mi @\$2.00 pmp trk chg | 26.00 | |
| 1 plug | 42.00 | 698.80 |
| | Total | \$1,513.30 |

Cement circulated

Thank you!

If account CURRENT 20% discount will be allowed ONLY if paid within 30 days from date of invoice.

APPROVED
JMR

All Prices Are Net, Payable 30 Days Following Date of Invoice. 1½% Charged Thereafter.

302.64
\$ 1210.64

| | |
|---|--------|
| DEPTH of Job | |
| Reference: | |
| 13 Pump Truck | 380.00 |
| Mileage | 26.00 |
| 8 3/8" TWP | 42.00 |
| Sub-Total | |
| Total | 448.00 |
| Remarks: | |
| Cement circulated upon releasing plugs. | |
| Thank you! | |
| Way L. Howard | |

| | | | | |
|----------|-----|----------|------|------------------------------|
| Handling | 165 | RELEASED | 1.00 | 165.00 |
| Mileage | 13 | | | 85.80 |
| | | | | Sub-Total |
| | | | | 1065.30 |
| | | | | Total |
| | | | | 1065.30 |
| | | | | Floating Equipment |
| | | | | Total \$ 1513.30 |
| | | | | Disc = 302.66 |
| | | | | \$ 1210.64 |
| | | | | RECEIVED |
| | | | | STATE CORPORATION COMMISSION |

NOV 21 1994

FROM CONFIDENTIAL

OCT 21 1992

CONSERVATION DIVISION
Wichita, Kansas

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

Phone Plainville 913-434-2812

Phone Ness City 913-798-3843

1453

| | | | | | | | | | | | | | | | |
|---------------------|--------------|------------|---------|----------------|-------------|-------|-----|------------|-------|-------------|--------|-----------|---------|--------|-------|
| Date | 10-3-92 | Sec. | 10 | Twp. | 17 | Range | 23W | Called Out | 08:20 | On Location | 10:20 | Job Start | 12 noon | Finish | 12:30 |
| Lease | Wilbur Trust | Well No. | 1 | Press Location | 10N 3E 1/2S | Witch | | | | Ness | County | Ks. | State | | |
| Contractor | Murfin 20 | | | | | | | | | | | | | | |
| Type Job | Surface | | | | | | | | | | | | | | |
| Hole Size | 12 1/4" | T.D. | 293 | | | | | | | | | | | | |
| Csg. | 8 5/8" 20# | Depth | 293 | | | | | | | | | | | | |
| Tbg. Size | | Depth | | | | | | | | | | | | | |
| Drill Pipe | | Depth | | | | | | | | | | | | | |
| Tool | | Depth | | | | | | | | | | | | | |
| Cement Left in Csg. | 15 | Shoe Joint | | | | | | | | | | | | | |
| Press Max. | | Minimum | | | | | | | | | | | | | |
| Meas Line | no | Displace | 18.1661 | | | | | | | | | | | | |
| Perf. | | | | | | | | | | | | | | | |

Owner Charter Production Co.
 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 Charter Production Co.
 Street 400 Kress Energy Center
 City Wichita State Ks. 67202
 The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No. *Radu Pan*
 X
 CEMENT

Amount Ordered 165 6% 2% Gel 3% CC

| Consisting of | | | |
|---------------|----|-------|--------|
| Common | 99 | 5.50 | 544.50 |
| Poz. Mix | 66 | 2.50 | 165.00 |
| Gel. | 3 | 6.75 | N/C |
| Chloride | 5 | 21.00 | 105.00 |
| Quickset | | | |

Handling 165 RELEASED 1.00 165.00
 Mileage 13 85.80

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FROM CONFIDENTIAL

Floating Equipment Total 1065.30

Total \$ 1513.30
 Disc = 302.66

\$ 1210 RECEIVED
 STATE CORPORATION COMMISSION

OCT 21 1992

CONSERVATION DIVISION
 Wichita, Kansas

EQUIPMENT

| | | |
|------------|----------|--------------|
| No. | Cementer | Gary Bill |
| Pumptrk 63 | Helper | |
| No. | Cementer | Keith |
| Pumptrk | Helper | |
| Bulktrk 69 | Driver | |
| Bulktrk | Driver | |

| DEPTH of Job | | |
|--------------|------------|--------|
| Reference: | Pump Truck | 380.00 |
| 13 | Mileage | 26.00 |
| | 8 5/8" TWP | 42.00 |
| | Sub-Total | |
| | Tax | |
| | Total | 448.00 |

Remarks: Cement circulated upon releasing plug.
 Thank you
 Wes L. Hens

ORIGINAL

TELEPHONE:
AREA CODE 913 483-2627

ALLIED CEMENTING COMPANY, INC.
P. O. BOX 31
RUSSELL, KANSAS 67665

OCT 16 1992

TO: Charter Production Company
400 Kress Energy Center
Wichita, KS 67202

INVOICE NO. 62686
PURCHASE ORDER NO.
LEASE NAME Willour Trust #1
DATE Oct. 8, 1992

OCT 21
CONFIDENTIAL

SERVICE AND MATERIALS AS FOLLOWS:

| | | |
|------------------------------------|--------------|---------------|
| Common 153 sks @\$5.50 | \$841.50 | |
| Pozmix 102 sks @\$2.50 | 255.00 | |
| Gel 15 sks @\$6.75 | 101.25 | |
| Flo Seal 64# @\$1.00 | <u>64.00</u> | \$1,261.75 |
| Handling 255 sks @\$1.00 | 255.00 | |
| Mileage (13) @\$.04¢ per sk per mi | 132.60 | |
| Rotary Plug | 380.00 | |
| Mi @\$2.00 pmp trk chg | <u>26.00</u> | <u>793.60</u> |
| | Total | \$2,055.35 |

- 50 sks @1775'
- 70 sks @1000'
- 50 sks @650'
- 50 sks @325'
- 10 sks @40'
- 15 sks in RH
- 10 sks in MH

Thank you!

If account CURRENT 20% discount will be allowed ONLY if paid within 30 days from date of invoice.

All Prices Are Net, Payable 30 Days Following Date of Invoice. 1½% Charged Thereafter.

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OCT 21 1992

CONSERVATION DIVISION
Wichita, Kansas

ORIGINAL ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31
Russell, Kansas 67665

1457

New

| | | | | | | | | | | | | | | |
|---------------------|--------------|----------|------------|---|----------------------|-------|-----|------------|-------|-------------|-----|-----------|------|--------|
| Date | 10-8-92 | Sec. | 10 | Twp. | 17S | Range | 23W | Called Out | 12:45 | On Location | 3PM | Job Start | 4:30 | Finish |
| Lease | Willam Trust | Well No. | 1 | Location | Ness 10N3E 2S W into | | | County | Ness | State | Ks. | | | |
| Contractor | Mudfin 20 | | | Owner | Same | | | | | | | | | |
| Type Job | Rotary Plug | | | 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. | 4481 | | | | | | | | | | |
| Csg. | 8 5/8" | | Depth | 293 | | | | | | | | | | |
| Tbg. Size | | | Depth | | | | | | | | | | | |
| Drill Pipe | | | Depth | | | | | | | | | | | |
| Tool | | | Depth | | | | | | | | | | | |
| Cement Left in Csg. | | | Shoe Joint | | | | | | | | | | | |
| Press Max. | | | Minimum | | | | | | | | | | | |
| Meas Line | | | Displace | | | | | | | | | | | |
| Perf. | | | | | | | | | | | | | | |

EQUIPMENT

| | | |
|-------------|----------|------------|
| No. | Cementor | Gary Keith |
| Pumptrk 158 | Helper | |
| No. | Cementor | Bill |
| Pumptrk | Helper | |
| | Driver | |
| Bulktrk 116 | Driver | |

DEPTH of Job

| | | |
|------------|------------|----------------------|
| Reference: | Pump Truck | 380.00 |
| 13 | Mileage | 26.00 |
| | | Sub-Total |
| | | Total 406.00 |

Remarks:

| | | | |
|------|-------|------|-----|
| 50 @ | 1775' | 15 @ | R.H |
| 70 @ | 1000' | 10 @ | MH |
| 50 @ | 650' | | |
| 50 @ | 325' | | |
| 10 @ | 40' | | |

| | | | |
|----------------|-----------------------------|-------------------|----------------------|
| Amount Ordered | 255 60% 60 Gel 1/4 # F/bsca | | |
| Consisting of | | | |
| Common | 153 | 5.50 | 841.50 |
| Poz. Mix | 102 | 2.50 | 255.00 |
| Gel. | 15 | 6.75 | 101.25 |
| Chloride | | | |
| Quickset | | | |
| | Fl Seal 64 | 1.00 | 64.00 |
| | | | |
| Handling | 255 | 1.00 | 255.00 |
| Mileage | 13 | RELEASED | 132.60 |
| | | NOV 21 1994 | Sub-Total |
| | | FROM CONFIDENTIAL | Total \$ 1649.35 |

Floating Equipment

Total \$ 2055.35

Disc - 411.07

\$ 1644.28

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OCT 21 1992

CONSERVATION DIVISION
Wichita, Kansas

CHRONOLOGICAL DATA

| DATE | |
|---------|---|
| 10/2/92 | Moved in the rotary rig. |
| 10/3/92 | Spudded the well and set surface pipe at 293'. |
| 10/4/92 | Drilling at 1775'. |
| 10/5/92 | Drilling at 2890'. |
| 10/6/92 | Drilling at 3910'. |
| 10/7/92 | Preparing to run DST (1) 4384'-4405'. Lost circulation. |
| 10/8/92 | At total depth of 4481 and logging. |

FORMATION TOPS

| FORMATION | LOG | DATUM | SAMPLE | DATUM |
|------------------|-------|---------|--------|---------|
| Anhydrite | 1708' | (+689) | 1711' | (+686) |
| Heebner Shale | 3794' | (-1397) | 3793" | (-1396) |
| Lansing | 3832' | (-1435) | 3831' | (-1434) |
| Base Kansas City | 4114' | (-1717) | 4113' | (-1716) |
| Pawnee | 4218' | (-1821) | 4218' | (-1821) |
| Fort Scott | 4314' | (-1917) | 4313' | (-1916) |
| Cherokee Shale | 4332' | (-1935) | 4331' | (-1934) |
| "A" Sandstone | 4336' | (-1939) | 4340' | (-1943) |
| "C" Sandstone | 4396' | (-1999) | 4391' | (-1994) |
| Mississippian | 4412' | (-2015) | 4415' | (-2018) |
| Total Depth | 4482' | (-2085) | 4481' | (-2084) |

DRILL STEM TEST

| | | | |
|---------------|---------------------|-------------------|-------------|
| <u>DST #1</u> | <u>4384'--4405'</u> | Cherokee "C" Zone | 30-60-30-30 |
| | | IFP: 30-37 | ISIP: 873 |
| | | FFP: 37-37 | FSIP: 392 |
| | | IHP: 2182 | FHP: 2089 |
| | | BHT: 106°F. | |

Recovered 5 feet of mud.

GEOLOGICAL COMMENTS AND CONCLUSIONS

After logging the Willour Trust was plugged due to poor reservoir development and it's structural datum.

Respectfully submitted,
Ernie Morrison
Ernie Morrison
C.P.G. #4825

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STATE CORPORATION COMMISSION

OCT 21 1992

CONSERVATION DIVISION
MICHIGAN