

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

API NO. 15- 119-20901-0000 ORIGINAL

County Meade

C - SW - SW - SW Sec. 36 Twp. 33S Rge. 30 X W

330 Feet from S (circle one) Line of Section

330 Feet from E (circle one) Line of Section

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

Lease Name Fox Well # 36M

Field Name Unnamed

Producing Formation Council Grove

Elevation: Ground 2073' KB 2684'

Total Depth 3300' PBTD 3254'

Amount of Surface Pipe Set and Cemented at 617' Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

foot depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan ALT 1 J 94 4-13-95
(Data must be collected from the Reserve Pit)

Chloride content _____ ppm Fluid volume N/A bbls

Dewatering method used Natural Evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name RELEASED KCC

Lease Name _____ Docket No. _____

JUL 17 1996 Quarter _____ Sec. _____ Twp. _____ Rge. _____ E/W

County CONFIDENTIAL Docket No. _____

Operator: License # 9534

Name: Giant Exploration & Production Co

Address P.O. Box 2810

2200 Bloomfield Highway

City/State/Zip Farmington, NM 87499

Purchaser: Panhandle Eastern Pipeline Co.

Operator Contact Person: Jeffrey R. Vaughan

Phone (505) 326-3325

Contractor: Name: Murfin Drilling Co.

License: 30606

Wellsite Geologist: Jerry Dean (Earth Tech)

Designate Type of Completion

X New Well _____ Re-Entry _____ Workover _____

_____ Oil _____ SWD _____ S10W _____ Temp. Abd.

X 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 _____ PBTD

_____ Commingled _____ Docket No. _____

_____ Dual Completion _____ Docket No. _____

_____ Other (SWD or Inj?) _____ Docket No. _____

06/17/94 06/22/94 07/27/94

Spud Date Date Reached TD Completion Date

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 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 _____

Title Vice President operations Date 9-14-94

Subscribed and sworn to before me this 14th day of September 19 94

Notary Public Paula M. Neji

Date Commission Expires 8-9-97

STATE CORPORATION COMMISSION
RECEIVED
SEP 19 1994
CONSERVATION DIVISION
OFFICE USE ONLY
Letter of Confidentiality Attached
C ✓ Wireline Log Received
C ✓ Geologist Report Received
Distribution
✓ KCC _____ SWD/Rep _____ NGPA
_____ KGS _____ Plug _____ Other
(Specify)

Operator Name Front Exploration & Production Lease Name Fox Well # 36M

Sec. 36 Twp. 33S Rge. 30 East West County Meade

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Log | Formation (Top), Depth and Datum | <input type="checkbox"/> Sample |
| Samples Sent to Geological Survey | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Name | Top | Datum |
| Cores Taken | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Wreford | 3060' | -376 |
| Electric Log Run (Submit Copy.) | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Council Grove | 3168' | -484 |
| List All E.Logs Run: | | DTD | 3300' | -616 |
| DIL, SFL, GR, BHC, Sonic, LDL, CNL, ML | | | | |

| CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used | | | | | | | |
|---|-------------------|---------------------------|-----------------|---------------|--------------------------------|--------------|--|
| Report all strings set-conductor, surface, intermediate, production, etc. | | | | | | | |
| Purpose of String | Size Hole Drilled | Size Casing Set (In O.D.) | Weight Lbs./Ft. | Setting Depth | Type of Cement | # Sacks Used | Type and Percent Additives |
| Surface | 12-1/4" | 8-5/8" | 24# | 616.92' | Prem Plus Lite Prem Plus | 165 125 | 2%CC, 1/4# Celloseal 2%CC |
| Production | 7-7/8" | 4-1/2" | 10.5# | 3300.11' | 85/15 Poz Mix 50/50 Poz Mix | 550 180 | 8% gel, 2% CC, 1/4# # / sk celloseal 2% gel, 2% CC, 5 # / sk HiSeal 2 |

| 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 | | | | |

| PERFORATION RECORD - Bridge Plugs Set/Type | | Acid, Fracture, Shot, Cement Squeeze Record | |
|--|---|---|-------|
| Shots Per Foot | Specify Footage of Each Interval Perforated | (Amount and Kind of Material Used) | Depth |
| 4 | 3172' - 3178' | N/A | |
| | | | |
| | | | |

| | | | | | | |
|--|-----------|---------|---|---------------|-----------|---|
| TUBING RECORD | | Size | Set At | Packer At | Liner Run | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| | | 2-3/8" | 3172' | N/A | | |
| Date of First, Resumed Production, SWD or Inj. | | | Producing Method | | | |
| August 5, 1994 | | | <input checked="" 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 | |
| | | 485 | 0 | | | |

| | | | | |
|---|--|---------------------------------------|-------------------------------------|---------------------|
| Disposition of Gas: | METHOD OF COMPLETION | | | Production Interval |
| <input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease | <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. | <input type="checkbox"/> Dually Comp. | <input type="checkbox"/> Commingled | 3172' - 3178' |
| (If vented, submit ACO-18.) | <input type="checkbox"/> Other (Specify) _____ | | | |

TRILOBITE TESTING, L.L.C.

CONFIDENTIAL

P.O. Box 362 • Hays, Kansas 67601

ORIGINAL

API# 15-119-20901

Drill-Stem Test Data

Well Name FOX 36 M Test No. 1 Date 6/21/94
 Company GIANT EXPLORATION PRODUCTION CO Zone COUNCIL GROVE
 Address PO BOX 2810 FARMINGTON NM 87499 Elevation 3186
 Co. Rep./Geo. JERRY DEAN Cont. MURFIN #22 Est. Ft. of Pay 10
 Location: Sec. 36 Twp. 33S Rge. 30W Co. MEADE State KS

Interval Tested 3166-3186
 Anchor Length 20
 Top Packer Depth 3161
 Bottom Packer Depth 3166
 Total Depth 3186

Drill Pipe Size 4.5" XH
 Wt. Pipe I.D. - 2.7 Ft. Run _____
 Drill Collar - 2.25 Ft. Run 603
 Mud Wt. 8.6 lb/Gal.
 Viscosity 55 Filtrate 10.8

Tool Open @ 5:00AM Initial Blow STRONG BLOW - BOTTOM OF BUCKET IN 20 SECONDS
GAS TO SURFACE IN 2 MINUTES - GAUGED @ 1233 MCF
 Final Blow BOTTOM OF BUCKET AS TOOL OPENED
GAUGED @ 1346 MCF

Recovery - Total Feet 60

Flush Tool? NO

SEP 14

Rec. 60 Feet of DRILLING MUD
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____

CONFIDENTIAL

RELEASED

JUL 17 1996

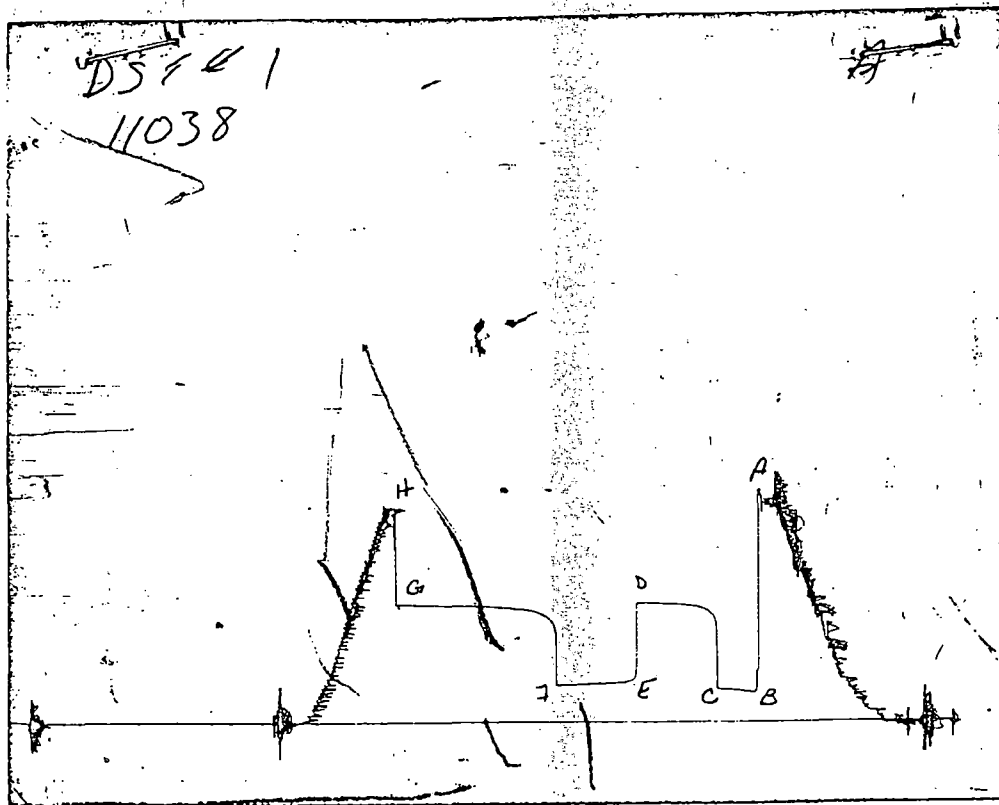
FROM CONFIDENTIAL

BHT 100 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 2000 ppm System

(A) Initial Hydrostatic Mud 1456.9 PSI AK1 Recorder No. 5495 Range 4200
 (B) First Initial Flow Pressure 213.1 PSI @ (depth) 3169 w/ Clock No. 25813
 (C) First Final Flow Pressure 235.7 PSI AK1 Recorder No. 11038 Range 5075
 (D) Initial Shut-in Pressure 807.2 PSI @ (depth) 3183 w/ Clock No. 25814
 (E) Second Initial Flow Pressure 278.4 PSI AK1 Recorder No. _____ Range _____
 (F) Second Final Flow Pressure 259.8 PSI @ (depth) _____ w/ Clock No. _____
 (G) Final Shut-in Pressure 798.3 PSI Initial Opening 30 Final Flow 60
 (H) Final Hydrostatic Mud 1445.8 PSI Initial Shut-in 60 Final Shut-in 120

Our Representative TOM HORACEK

CHART PAGE



This is an actual photograph of recorder chart

| | FIELD READING | OFFICE READING |
|----------------------------------|------------------|-------------------|
| (A) INITIAL HYDROSTATIC MUD | 1448 | 1456.9 |
| (B) FIRST INITIAL FLOW PRESSURE | 203 | 213.1 |
| (C) FIRST FINAL FLOW PRESSURE | 230 | 235.7 |
| (D) INITIAL CLOSED-IN PRESSURE | 804 | 807.2 |
| (E) SECOND INITIAL FLOW PRESSURE | 283 | 278.4 |
| (F) SECOND FINAL FLOW PRESSURE | 270 | 259.8 |
| (G) FINAL CLOSED-IN PRESSURE | 804 | 798.3 |
| (H) FINAL HYDROSTATIC MUD | 1423 | 1445.8 |

INITIAL FLOW

RECORDER 11038

DST # 1

| TIME(MIN) | PRESSURE | <>PRESSURE |
|-----------|----------|------------|
| 0 | 213.1 | 213.1 |
| 3 | 217.1 | 4.0 |
| 6 | 218.3 | 1.2 |
| 9 | 223.7 | 5.4 |
| 12 | 225.1 | 1.4 |
| 15 | 229.1 | 4.0 |
| 18 | 230.4 | 1.3 |
| 21 | 233.1 | 2.7 |
| 24 | 235.7 | 2.6 |
| 27 | 235.7 | 0.0 |

FINAL FLOW

RECORDER 11038

DST # 1

TIME(MIN) PRESSURE <> PRESSURE

| | | |
|----|-------|-------|
| 0 | 278.4 | 278.4 |
| 3 | 274.4 | -4.0 |
| 6 | 278.4 | 4.0 |
| 9 | 278.4 | 0.0 |
| 12 | 274.4 | -4.0 |
| 15 | 274.4 | 0.0 |
| 18 | 274.4 | 0.0 |
| 21 | 273.1 | -1.3 |
| 24 | 273.1 | 0.0 |
| 27 | 273.1 | 0.0 |
| 30 | 273.1 | 0.0 |
| 33 | 271.8 | -1.3 |
| 36 | 271.8 | 0.0 |
| 39 | 271.8 | 0.0 |
| 42 | 271.8 | 0.0 |
| 45 | 267.8 | -4.0 |
| 48 | 265.1 | -2.7 |
| 51 | 265.1 | 0.0 |
| 54 | 262.4 | -2.7 |
| 57 | 262.4 | 0.0 |
| 60 | 259.8 | -2.6 |

FOX 36 M
INITIAL

DST #1
SHUTIN

30 INITIAL FLOW TIME SLOPE 25624.7 PSI/CYCLE
P* 822.92 PSI

| | TIME(MIN) | Pws (psi) | Log Horn T | <> PRESSURE | Horn T |
|---|-----------|-----------|---------------|----------------|--------|
| | 3 | 733.1 | 1.041 | 733.1 | 11 |
| | 6 | 758.6 | 0.778 | 25.5 | 6 |
| | 9 | 770.1 | 0.637 | 11.5 | 4 |
| | 12 | 776.5 | 0.544 | 6.4 | 4 |
| | 15 | 785.5 | 0.477 | 9.0 | 3 |
| | 18 | 789.3 | 0.426 | 3.8 | 3 |
| | 21 | 791.9 | 0.385 | 2.6 | 2 |
| | 24 | 793.2 | 0.352 | 1.3 | 2 |
| | 27 | 797.1 | 0.325 | 3.9 | 2 |
| | 30 | 798.3 | 0.301 | 1.2 | 2 |
| | 33 | 799.6 | 0.281 | 1.3 | 2 |
| | 36 | 800.8 | 0.263 | 1.2 | 2 |
| X | 39 | 800.8 | 0.248 | 0.0 | 2 |
| | 42 | 804.7 | 0.234 | 3.9 | 2 |
| | 45 | 804.7 | 0.222 | 0.0 | 2 |
| | 48 | 806.1 | 0.211 | 1.4 | 2 |
| | 51 | 807.2 | 0.201 | 1.1 | 2 |
| | 54 | 807.2 | 0.192 | 0.0 | 2 |
| | 57 | 807.2 | 0.184 | 0.0 | 2 |
| X | 60 | 807.2 | 0.176 | 0.0 | 2 |

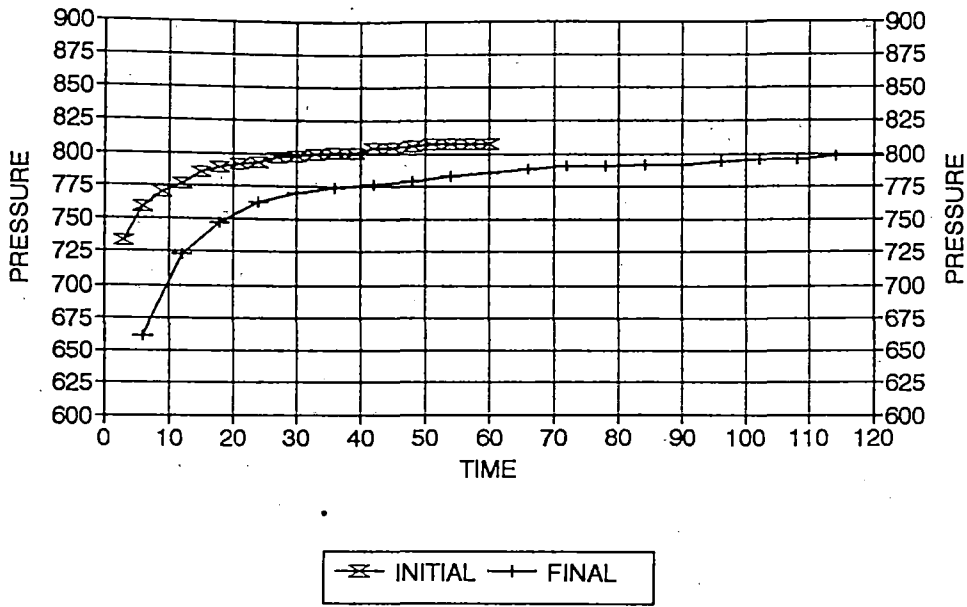
FOX 36 M
FINAL

DST #1
SHUTIN
90 TOTAL FLOW TIME SLOPE 392131.6 PSI/CYCLE
P* 818.3 PSI

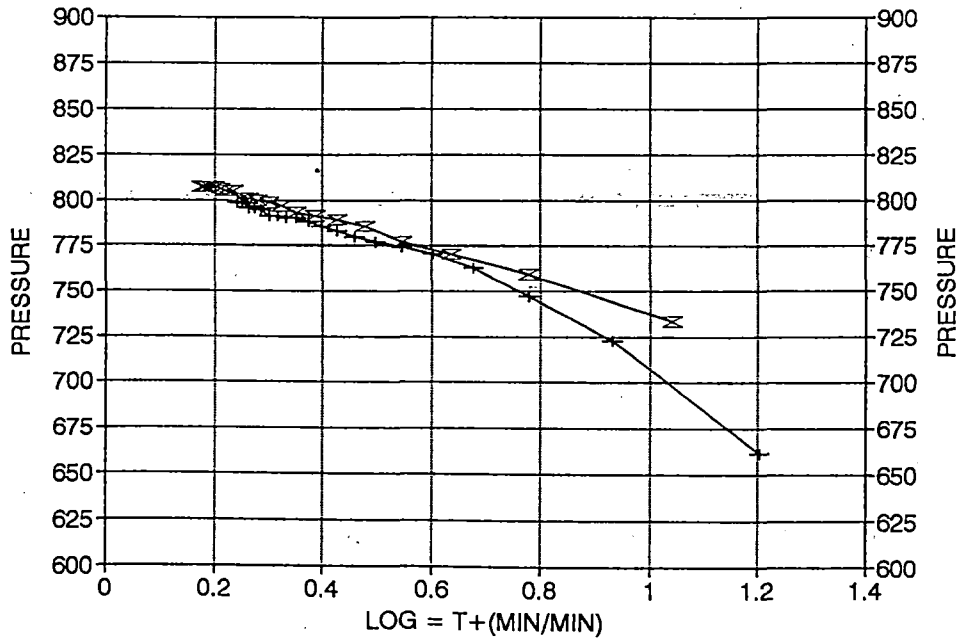
Log <>
Horn T PRESSURE Horn T

| | 6 | 660.9 | 1.204 | 660.9 | 16 |
|---|-----|-------|-------|-------|----|
| | 12 | 722.7 | 0.929 | 61.8 | 9 |
| | 18 | 747.1 | 0.778 | 24.4 | 6 |
| | 24 | 762.5 | 0.677 | 15.4 | 5 |
| | 30 | 770.1 | 0.602 | 7.6 | 4 |
| | 36 | 774.1 | 0.544 | 4.0 | 4 |
| | 42 | 776.5 | 0.497 | 2.4 | 3 |
| | 48 | 779.1 | 0.459 | 2.6 | 3 |
| | 54 | 782.9 | 0.426 | 3.8 | 3 |
| | 60 | 785.5 | 0.398 | 2.6 | 3 |
| | 66 | 788.1 | 0.374 | 2.6 | 2 |
| | 72 | 790.6 | 0.352 | 2.5 | 2 |
| | 78 | 790.6 | 0.333 | 0.0 | 2 |
| | 84 | 791.9 | 0.316 | 1.3 | 2 |
| | 90 | 791.9 | 0.301 | 0.0 | 2 |
| | 96 | 794.4 | 0.287 | 2.5 | 2 |
| X | 102 | 795.7 | 0.275 | 1.3 | 2 |
| | 108 | 795.7 | 0.263 | 0.0 | 2 |
| | 114 | 798.3 | 0.253 | 2.6 | 2 |
| X | 120 | 798.3 | 0.243 | 0.0 | 2 |

FOX 36 M / DST #1 DELTA T DELTA P



HORNER PLOT



NATURAL GAS ANALYSIS REPORT

Sampled by:
Trilobite Testing, L.L.C.
Hays, Kansas
Scott City, Kansas
Phone: 800-728-5369
Fax: 913-625-5620

Analyzed by:
Caraway Analytical, L.L.C.
728 North Roosevelt
Liberal, Kansas 67901
Phone: 316-324-5389
Fax: 316-626-7108

| | | | |
|--------------|-----------------------|--------------|---------------|
| Lab Number: | 940317 | Analyzed: | 06/21/94 |
| Sample From: | Fox 36M DST 1 | Pressure: | |
| Producer: | Giant Exploration Co. | Temperature: | |
| Date: | | Location: | 36-33-30 |
| Time: | | County: | Meade |
| Sampler: | | State: | Kansas |
| Source: | | Formation: | Council Grove |

| | Mole % | GPM |
|----------------|------------|-------|
| Helium | He: 0.610 | 0.000 |
| Oxygen | O2: 0.000 | 0.000 |
| Nitrogen | N2: 9.815 | 0.000 |
| Carbon Dioxide | CO2: 0.000 | 0.000 |
| Methane | C1: 79.898 | 0.000 |
| Ethane | C2: 5.629 | 1.505 |
| Propane | C3: 2.411 | 0.664 |
| Iso Butane | iC4: 0.276 | 0.090 |
| Normal Butane | nC4: 0.662 | 0.209 |
| Iso Pentane | iC5: 0.174 | 0.064 |
| Normal Pentane | nC5: 0.219 | 0.079 |
| Hexanes Plus | C6+: 0.306 | 0.134 |

TOTAL: 100.000 2.745
Z Fact: 0.9977
SP.GR.: 0.6735
BTU (SAT): 1016.0 @ 14.73 psia
BTU (DRY): 1034.0 @ 14.73 psia
OCTANE RATING: 113.2

COMMENTS:

GAS VOLUME REPORT

GIANT EXPLORATION PRODUCTION CO

FOX 36 M

DST # 1

| MIN | IN WATER ORIFICE PSIG | | MCF/D | MIN | IN WATE PSIG | ORIFICE | MCF/D |
|-----|--------------------------|------|-------|-----|-----------------|---------|-------|
| 10 | 15 | 1.25 | 1023 | 10 | 24 | 1.25 | 1388 |
| 20 | 18 | 1.25 | 1146 | 20 | 23 | 1.25 | 1346 |
| 30 | 20 | 1.25 | 1233 | 30 | 23 | 1.25 | 1346 |
| | | | | 40 | 23 | 1.25 | 1346 |
| | | | | 50 | 23 | 1.25 | 1346 |
| | | | | 60 | 23 | 1.25 | 1346 |

Remarks: GAS TO SURFACE IN 2 MINUTES / GAS WILL BURN

FLUID SAMPLER DATA

Ticket No.: 7021 Date: 6/21/94
Company: GIANT EXPLORATION PRODUCTION CO
Lease: FOX 36 M Test No.: 1
County: MEADE Sec.: 36 Twp.: 33S Rng.: 30W

SAMPLER RECOVERY

Gas 10.3 CUBIC FT
Oil
Mud 1200
Water
Other
Pressure 700
TOTAL 4000

PIT MUD ANALYSIS

Chlorides 2000
Resistivity ohms@ F
Viscosity 55
Mud Wt. 8.6
Filtrate 10.8
Other

SAMPLER ANALYSIS

Resistivity ohms@ F
Chlorides ppm.
Gravity corrected @60F

PIPE RECOVERY

TOP

Resistivity ohms@ F
Chlorides ppm

MIDDLE

Resistivity ohms@ F
Chlorides ppm

BOTTOM

Resistivity ohms@ F
Chlorides ppm



THE WESTERN COMPANY
CEMENT JOB DETAIL SHEET

ORIGINAL

| | | | | | | | | | | | | | | |
|--|------------------|-------------------|---|----------------------------|------------------------|--|--|----------------------------|----------------------------|------------|------------------|-------------|---------------|-------|
| CUSTOMER <i>Plant Exp</i> | | | DATE <i>6/11/96</i> | | F.R.# <i>205432</i> | | SER. SUP. <i>J. Canaday</i> | | TYPE JOB <i>Surfarr</i> | | | | | |
| LEASE & WELL NAME/OCSSG <i>Fox 36-M</i> | | | | LOCATION <i>Mead</i> | | | | COUNTY-PARISH-BLOCK | | | | | | |
| DISTRICT <i>Permyer 7x</i> | | | DRILLING CONTRACTOR/RIG # <i>Duck</i> | | | | OPERATOR <i>Plant Exp</i> | | | | | | | |
| MATERIAL FURNISHED BY WPS | TYPE OF PLUGS | | LIST-CSG-HARDWARE | | | SQ. MANI. FOLD. Y (N) | TOP OF EACH FLUID | PHYSICAL SLURRY PROPERTIES | | | | | | |
| | TOP BTM | <i>Rubber</i> | <i>Guide Shoe Insert Float W/AFU Centralizers</i> | | | | | SLURRY WGT PPG | SLURRY YLD FT | WATER GPS | PUMP TIME HR:MIN | Bbl SLURRY | Bbl MIX WATER | |
| | | | <i>16.5 sks Parasetherdite C + 1% Sil + 2% Carb + 1/4 1/2 sk Cello-Seal</i> | | | | <i>18.4</i> | <i>2.0</i> | <i>10.94</i> | | <i>58.8</i> | <i>4.2</i> | | |
| | | | <i>125 sks Class C + 2% Carb</i> | | | | <i>14.8</i> | <i>1.34</i> | <i>6.34</i> | | <i>29.8</i> | <i>18.9</i> | | |
| Available Mix Water <i>400</i> Bbl. | | | Available Displ. Fluid | | | Bbl. | | | TOTAL | | | | | |
| HOLE | | | TBG-CSG-D.P. | | | TBG-CSG-D.P. | | | COLLAR DEPTHS | | | | | |
| SIZE | % EXCESS | DEPTH | SIZE | WGT. | TYPE | DEPTH | SIZE | WGT. | TYPE | DEPTH | SHOE | FLOAT | STAGE | |
| <i>12 1/4</i> | <i>100%</i> | <i>616</i> | <i>8 3/8</i> | <i>24</i> | <i>J-55</i> | <i>616</i> | | | | | <i>616</i> | <i>572</i> | <i>1</i> | |
| LAST CASING | | | PKR-CMT RET-BR PL-LINER | | | PERF. DEPTH | | TOP CONN | | WELL FLUID | | | | |
| SIZE | WGT. | TYPE | DEPTH | BRAND & TYPE | | DEPTH | TOP | BTM | SIZE | THREAD | TYPE | WGT. | | |
| | | | | | | | | | <i>8 3/8</i> | <i>8"</i> | <i>Mex</i> | <i>8.5</i> | | |
| CAL. DISPL. VOL. -Bbl. | | | CAL. PSI | | CAL. MAX PSI | | OP. MAX | | MAX TBG PSI | | MAX CSG PSI | | DISPL. FLUID | WATER |
| TBG | CSG | CSG | TOTAL | BUMP PLUG | TO REV | SO. PSI | RATED | OP. | RATED | OP. | TYPE | WGT. | SOURCE | |
| | | | <i>36.5</i> | <i>36.5</i> | | | | | | | <i>H2O</i> | <i>8.3</i> | <i>Rig</i> | |
| EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: <i>Running Pipe</i> | | | | | | | | | | | | | | |
| PRESSURE/RATE DETAIL | | | | | | EXPLANATION | | | | | | | | |
| TIME | PRESSURE-PSI | | RATE | Bbl. FLUID | FLUID | SAFETY MEETING: WPS CREW <input checked="" type="checkbox"/> CO. REP <input checked="" type="checkbox"/> | | | | | | | | |
| HR: MIN. | PIPE | ANNULUS | BPM | PUMPED | TYPE | TEST LINES <i>2000</i> PSI | | | | | | | | |
| | | | | | | CIRCULATING WELL-RIG <input type="checkbox"/> WPS <input type="checkbox"/> | | | | | | | | |
| <i>12:55</i> | <i>0-200</i> | | <i>4.0-5.0</i> | <i>10</i> | <i>H2O</i> | <i>Start H2O Ahead</i> | | | | | | | | |
| <i>12:58</i> | <i>200-0</i> | | <i>5.0-6.0</i> | <i>58.8</i> | <i>Cement</i> | <i>Start Lead Slurry</i> | | | | | | | | |
| <i>1:09</i> | <i>0</i> | | <i>5.0-6.0</i> | <i>29.8</i> | <i>Cement</i> | <i>All Lead Start Tail Slurry</i> | | | | | | | | |
| <i>1:16</i> | | | | | | <i>All Slurry Shut Down</i> | | | | | | | | |
| <i>1:18</i> | <i>0-200</i> | | <i>5.0-6.0</i> | | <i>H2O</i> | <i>Drop Plug Start Displacement</i> | | | | | | | | |
| <i>1:25</i> | <i>200</i> | | <i>2.5</i> | <i>29</i> | <i>H2O</i> | <i>Slow Rate</i> | | | | | | | | |
| <i>1:28</i> | <i>200-800</i> | | | <i>7.5</i> | | <i>Shut Down Plug Pumped</i> | | | | | | | | |
| <i>1:29</i> | <i>800-0</i> | | | | | <i>Stop Back Float Holding No Cement To Surface</i> | | | | | | | | |
| <i>7:35</i> | <i>0-200</i> | | <i>2.0</i> | <i>31</i> | <i>Cement</i> | <i>Start Trip Out</i> | | | | | | | | |
| <i>8:00</i> | | | | | | <i>Shut Down Cement To Surface</i> | | | | | | | | |
| RELEASED | | | | | | | | | | | | | | |
| KLL | | | | | | | | | | | | | | |
| JUL 17 1996 | | | | | | | | | | | | | | |
| SEP 14 | | | | | | | | | | | | | | |
| FROM CONFIDENTIAL | | | | | | | | | | | | | | |
| CONFIDENTIAL | | | | | | | | | | | | | | |
| BUMPED PLUG | PSI TO BUMP PLUG | TEST FLOAT EQUIP. | TOTAL Bbl. PUMPED | Bbl. CMT RETURNS/ REVERSED | PSI LEFT ON CSG | SPOT TOP CEMENT | SER. SUP. <i>J. Canaday</i> CUSTOMER REP. <i>David Rice</i> | | | | | | | |
| <i>(N)</i> | <i>800</i> | <i>(N)</i> | <i>166</i> | <i>26</i> | <i>(N)</i> | <i>Surfarr</i> | | | | | | | | |



CUSTOMER COPY
The Western Company
of North America

SERVICE ORDER AND
FIELD RECEIPT NO. L 268432

| | | | | | |
|---|----------------------------------|--|---|-----------------|----------------|
| CUSTOMER (COMPANY NAME) <i>Giant Exploration</i> | | CREDIT APPROVAL NO. | PURCHASE ORDER NO. | CUSTOMER NUMBER | INVOICE NUMBER |
| MAIL STREET OR BOX NUMBER | | CITY | STATE | ZIP CODE | |
| INVOICE TO: | | JOB TYPE CODES | | | |
| DATE WORK MO. DAY YEAR | WESTERN SERVICE SUPERVISOR | WELL TYPE: | CEMENTING SERVICES: 10. CONDUCTOR, 11. SURFACE, 12. INTERMEDIATE, 13. LONG, 14. LINER, 15. TIEBACK, 16. PLUG & ABANDON, 17. PLUG BACK, 18. SQUEEZE, 19. PUMPING (CEMENT), 20. BULK SALES (CEMENT) STIMULATION SERVICES: 30. ACID, MATRIX, 31. ACID, FRACTURE, 32. FRACTURE, 0-9,999 psi, 33. FRACTURE, 10,000+ psi, 34. BULK SALE (STIM), 35. BULK SALE (STIM), 40. SAND CONTROL, 41. GRAVEL PACK TOOL SALES, 42. GRAVEL PACK TOOL RENTAL TOOL SERVICES: 50. TOOL SALE, 51. TOOL RENTAL, 52. TOOL REDRESS, 53. TOOL SERVICE | | |
| COMPLETED: 6 18 94 | <i>J. Carole</i> | (CHECK ONE) 1 <input checked="" type="checkbox"/> NEW 2 <input type="checkbox"/> OLD | | | |
| WESTERN DISTRICT: <i>Perryton TX</i> | JOB DEPTH (FT.): <i>616</i> | WELL CLASS: 1 <input type="checkbox"/> OIL 2 <input type="checkbox"/> GAS 3 <input type="checkbox"/> DISPOSAL 4 <input type="checkbox"/> INJECTION | | | |
| WELL NAME AND NUMBER: <i>Fox 36-M</i> | TD WELL DEPTH (FT.): <i>3500</i> | GAS USED ON JOB: 1 <input type="checkbox"/> N ₂ 2 <input type="checkbox"/> CO ₂ 3 <input checked="" type="checkbox"/> NONE 4 <input type="checkbox"/> BINARY | | | |
| WELL LOCATION: SEC/TWP/RGE | COUNTY | STATE | | | |

| PRODUCT CODE | DESCRIPTION | UNIT OF MEASURE | QUANTITY | LIST PRICE/UNIT | GROSS AMOUNT | PERCENT DISC. | NET AMOUNT | |
|------------------|------------------------------|-----------------|----------|-----------------|--------------|---------------|------------|--------|
| 33915 | Lite Equip. Mileage | mile | 250 | 155 | 3875 | | | |
| 33925 | Heavy Equip. Mileage | mile | 250 | 290 | 7250 | | | |
| 4015 | Delivery Charge | T.M. | 5740 | 96 | 551.04 | | | |
| 6035 | Pump Charge | unit | 10 | 850.00 | 850.00 | | | |
| 11205 | Blending Charge | Ft ³ | 5190 | 1.40 | 726.60 | | | |
| P39-2F | Premium Cement Plus | sk | 3250 | 9.35 | 2384.25 | | | |
| P46-2F | Pre-setter Premium Plus Lite | sk | 2650 | 8.41 | 1387.65 | | | |
| P1715 | Cello-Seal | # | 410 | 1.98 | 811.8 | | | |
| P3625 | Top Rubber Plug | each | 10 | 126.00 | 1260.00 | | | |
| 13156 | Guide Shoe | each | 10 | 280.00 | 2800.00 | | | |
| 17180 | Insert Float w/AFU | each | 10 | 365.00 | 3650.00 | | | |
| 17068 | Centralizer | each | 30 | 84.50 | 2535.00 | | | |
| H50-27 | Coal | lb | 1660 | 39 | 2987.4 | | | |
| F0385 | Additional Hours | each | 40 | 245.00 | 9800.00 | | | |
| 839521 | | | | | | | | |
| Discounted Price | | | | | | | | 570874 |

| | | |
|---|---|---|
| ARRIVE LOCATION: MO. DAY YEAR TIME | SERVICE ORDER: I AUTHORIZE WORK TO BEGIN PER SERVICE INSTRUCTIONS IN ACCORDANCE WITH TERMS AND CONDITIONS PRINTED ON THE REVERSE SIDE OF THIS FORM AND REPRESENT THAT I HAVE AUTHORITY TO ACCEPT AND SIGN THIS ORDER. | SERVICE RECEIPT: I CERTIFY THAT THE MATERIALS AND SERVICES LISTED WERE RECEIVED AND ALL SERVICES PERFORMED IN A WORKMANLIKE MANNER. |
| CUSTOMER REP. LAST NAME: <i>Rice</i> | CUSTOMER AUTHORIZED AGENT: <i>[Signature]</i> | CUSTOMER AUTHORIZED AGENT: <i>[Signature]</i> |
| SEE REVERSE SIDE FOR GENERAL TERMS AND CONDITIONS | CUSTOMER AUTHORIZED AGENT: <i>[Signature]</i> | WESTERN APPROVED: <i>[Signature]</i> |



THE WESTERN COMPANY
CEMENT JOB DETAIL SHEET

ORIGINAL

| | | | | | | | | | | | | | |
|--|------------------------------------|---|-------------------------|---|----------------------------|--|-----------------------------------|------------------|---------------|-----------------------|--------------|--------------|------------|
| CUSTOMER <i>Grant</i> | | DATE <i>6-22-94</i> | F.R.# <i>268713</i> | SER. SUP. <i>B.G. Rebe</i> | TYPE JOB <i>4/5</i> | | | | | | | | |
| LEASE & WELL NAME-OCSG <i>Fox 36 W</i> | | LOCATION <i>36-36-37S-30W</i> | | COUNTY-PARISH-BLOCK <i>Madison, Kansas</i> | | | | | | | | | |
| DISTRICT <i>Perryton</i> | | DRILLING CONTRACTOR RIG # <i>Murfin Dale #22</i> | | OPERATOR <i>Grant</i> | | | | | | | | | |
| MATERIAL FURNISHED BY WPS | TYPE OF PLUGS <i>TOP Rubber</i> | LIST-CSG-HARDWARE <i>F.B.O.</i> | SQ MANI FOLD | TOP OF EACH FLUID | PHYSICAL SLURRY PROPERTIES | | | | | | | | |
| | BTM | | Y N | | SLURRY WGT PPG | SLURRY YLD FT | WATER GPS | PUMP TIME HR:MIN | Bbl SLURRY | Bbl MIX WATER | | | |
| <i>550 sks BoreSetter Lite II + 2% Carb. + 4 1/4% SK Collo. Seal</i> | | | | | <i>12.2</i> | <i>2.3</i> | <i>13.1</i> | | <i>225</i> | <i>171</i> | | | |
| <i>180 sks 50% Poz "C" + 2% Carb. + 5% SK Hi-Seal-2</i> | | | | <i>1265 ft³</i> | <i>5550</i> | | | | | | | | |
| <i>ROTATE Csg.</i> | | | | <i>266 ft³</i> | <i>1167'</i> | | | | | | | | |
| Available Mix Water | | Available Displ. Fluid | | TOTAL | | | | | | | | | |
| HOLE | | | TBG-CSG-D.P. | | | TBG-CSG-D.P. | | | COLLAR DEPTHS | | | | |
| SIZE | % EXCESS | DEPTH | SIZE | WGT. | TYPE | DEPTH | SIZE | WGT. | TYPE | DEPTH | SHOE | FLOAT | STAGE |
| <i>7 7/8"</i> | | <i>3300'</i> | <i>4 1/2"</i> | <i>10.5#</i> | | <i>3321'</i> | - | - | - | - | <i>3321'</i> | <i>3279'</i> | - |
| LAST CASING | | | PKR-CMT RET-BR PL-LINER | | | PERF. DEPTH | | TOP CONN | | WELL FLUID | | | |
| SIZE | WGT | TYPE | DEPTH | BRAND & TYPE | | DEPTH | TOP | BTM | SIZE | THREAD | TYPE | WGT. | |
| | | | | | | | | | <i>4 1/2"</i> | <i>8r²</i> | <i>Mud</i> | <i>9-3</i> | |
| CAL. DISPL. VOL.-Bbl. | | | CAL. PSI | CAL. MAX PSI | OP. MAX | MAX TBG PSI | | MAX CSG PSI | | DISPL. FLUID | | WATER SOURCE | |
| TBG. | CSG. | CSG. | TOTAL | BUMP PLUG | TO REV | SO. PSI | RATED | OP. | RATED | OP. | TYPE | WGT. | SOURCE |
| | <i>52</i> | | <i>52</i> | <i>800</i> | - | - | - | - | - | - | <i>Water</i> | <i>8.3</i> | <i>Rig</i> |
| EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: | | | | | | | | | | | | | |
| PRESSURE/RATE DETAIL | | | | | | | EXPLANATION | | | | | | |
| TIME HR: MIN. | PRESSURE-PSI | | RATE BPM | Bbl. FLUID PUMPED | FLUID TYPE | SAFETY MEETING: WPS CREW <input checked="" type="checkbox"/> CO. REP <input checked="" type="checkbox"/> | | | | | | | |
| | PIPE | ANNULUS | | | | TEST LINES <i>2000</i> PSI | | | | | | | |
| | | | | | | CIRCULATING WELL-RIG <input checked="" type="checkbox"/> WPS <input type="checkbox"/> | | | | | | | |
| <i>0910</i> | | | | | | <i>Arrive on location - safety meeting - Spot Equipment</i> | | | | | | | |
| <i>1200</i> | | | | | | <i>lay line to Rig - wait for Rig to Run Csg</i> | | | | | | | |
| <i>1220</i> | <i>2000</i> | | | | <i>Water</i> | <i>Csg handed - Hook Rig to Circulate</i> | | | | | | | |
| <i>1226</i> | <i>200</i> | | <i>5</i> | | <i>Water</i> | <i>Hook Pump to Csg - Test Lines</i> | | | | | | | |
| <i>1229</i> | <i>400</i> | | <i>6</i> | <i>10</i> | <i>PSH II</i> | <i>start water</i> | | | | | | | |
| <i>1310</i> | <i>200</i> | | <i>5</i> | <i>225</i> | <i>5/50</i> | <i>start Cement</i> | | | | | | | |
| <i>1320</i> | <i>300</i> | | <i>5</i> | <i>47</i> | <i>50/50</i> | <i>start Tool</i> | | | | | | | |
| <i>1322</i> | <i>400</i> | | <i>6</i> | | <i>Water</i> | <i>Finish Cement - wash Pump & Lines</i> | | | | | | | |
| <i>1330</i> | <i>800</i> | | <i>2 1/2</i> | <i>40</i> | <i>Water</i> | <i>Drop Plug - start Displacement</i> | | | | | | | |
| <i>1339</i> | <i>1400</i> | | <i>2 1/2</i> | <i>52</i> | <i>Water</i> | <i>Slow Pump</i> | | | | | | | |
| <i>1340</i> | | | | | | <i>Bump Plug - Finish Displacement</i> | | | | | | | |
| | | | | | | <i>Check Float Equipment (Hold OK)</i> | | | | | | | |
| | | | | | | <i>RELEASED</i> | | | | | | | |
| | | | | | | <i>JUL 17 1996</i> | | | | | | | |
| | | | | | | <i>Final Pump Pressure before Plug Bump 900 PSI @ 2.4 RPM</i> | | | | | | | |
| | | | | | | <i>FROM CONFIDENTIAL</i> | | | | | | | |
| BUMPED PLUG | PSI TO BUMP PLUG | TEST FLOAT EQUIP. | TOTAL Bbl. PUMPED | Bbl. CMT RETURNS/ REVERSED | PSI / LEFT ON CSG | SPOT TOP CEMENT | SER. SUP. <i>B.G. Rebe</i> | | | | | | |
| <i>(Y) N</i> | <i>1400</i> | <i>(Y) N</i> | | | | | CUSTOMER REP <i>David Rice</i> | | | | | | |



CUSTOMER COPY
The Western Company
of North America

SERVICE ORDER AND
FIELD RECEIPT NO. L 268713

| | | | | | | |
|---|----------------------|---|---|---|-----------------|----------------|
| CUSTOMER (COMPANY NAME) Giant | | CREDIT APPROVAL NO. | PURCHASE ORDER NO. | | CUSTOMER NUMBER | INVOICE NUMBER |
| MAIL | STREET OR BOX NUMBER | CITY | STATE | ZIP CODE | JOB TYPE CODES | |
| INVOICE TO: | | WELL TYPE: <input checked="" type="checkbox"/> NEW 2 <input type="checkbox"/> OLD | | CEMENTING SERVICES 10. CONDUCTOR 11. SURFACE 12. INTERMEDIATE 13. LONG 14. LINER 15. TIEBACK 16. PLUG & ABANDON 17. PLUG BACK 18. SQUEEZE 19. PUMPING (CEMENT) 20. BULK SALES (CEMENT) STIMULATION SERVICES 30. ACID, MATRIX 31. ACID, FRACTURE 32. FRACTURE, 0-9,999 psi 33. FRACTURE, 10,000 + psi 34. PUMPING (STIM) 35. BULK SALE (STIM) 40. SAND CONTROL 41. GRAVEL PACK TOOL SALES 42. GRAVEL PACK TOOL RENTAL TOOL SERVICES 50. TOOL SALE 51. TOOL RENTAL 52. TOOL ADDRESS 53. TOOL SERVICE | | |
| DATE WORK | MO. DAY YEAR | WESTERN SERVICE SUPERVISOR | WELL CLASS: <input checked="" type="checkbox"/> OIL 3 <input type="checkbox"/> DISPOSAL | | | |
| COMPLETED: | 6 22 94 | B.G. Rabe 02326 | <input type="checkbox"/> GAS 4 <input type="checkbox"/> INJECTION | | | |
| WESTERN DISTRICT | JOB DEPTH (FT.) | | GAS USED ON JOB: <input type="checkbox"/> N ₂ 3 <input checked="" type="checkbox"/> NONE | | | |
| Perryton | | 3300' | <input type="checkbox"/> CO ₂ 4 <input type="checkbox"/> BINARY | | | |
| WELL NAME AND NUMBER | | TD WELL DEPTH (FT.) | | | | |
| Fox 36-M | | 3300' | | | | |
| WELL | SEC/TWP/RGE | COUNTY | STATE | | | |
| LOCATION: | Sec. 36-375-30W | Wade | Kansas | | | |

| PRODUCT CODE | DESCRIPTION | UNIT OF MEASURE | QUANTITY | LIST PRICE/UNIT | GROSS AMOUNT | PERCENT DISC. | NET AMOUNT |
|--------------|---|-----------------|----------|-----------------|--------------|---------------|------------|
| J3915 | Pick-up mileage | mile | 30 0 | 1 55 | 46 50 | 35% | |
| J3905 | Equipment mileage | mile | 30 0 | 2 90 | 87 00 | | |
| J4015 | Delivery charge 71,418# x 30 miles | Top/mile | 1 071 3 | 96 | 1 028 45 | | |
| F0085 | Cement Pump @ 3300' | Gals | 1 0 | 1 435 00 | 1 435 00 | | |
| M1005 | Service Charge | Ft ³ | 835 0 | 1 40 | 1 169 00 | | |
| P39 2N | Class "C" Cement 90 ft ³ 8460# | SK | 90 0 | 9 35 | 841 50 | | |
| P12 2N | Poz 90 ft ³ 6660# | SK | 90 0 | 5 18 | 466 20 | | |
| P50 2N | Pacoseal Lite II 616 ft ³ 53900# | SK | 550 0 | 9 88 | 5 434 00 | | |
| P1715 | Collo Seal 138# | lb | 138 0 | 1 98 | 273 24 | | |
| P1795 | Hi Seal 2 12 ft ³ 900# | lb | 900 0 | 90 | 810 00 | | |
| H50 27 | Calcium Chloride 27 ft ³ 1360# | lb | 1 360 0 | 39 | 530 40 | | |
| K3605 | 4 1/2" Rotating Head | Job | 1 0 | 500 00 | 500 00 | | |
| P3555 | 4 1/2" Top Rubber Plug | EA | 1 0 | 46 30 | 46 30 | | |
| | | | | | \$12 167 59 | | 8 233 93 |

ORIGINAL

CONFIDENTIAL
 SEP 14
 RUC
 FROM CONFIDENTIAL
 JUL 17 1994
 RELEASED

| | | | |
|---|-------------------|---|---|
| ARRIVE LOCATION | MO. DAY YEAR TIME | SERVICE ORDER: I AUTHORIZE WORK TO BEGIN PER SERVICE INSTRUCTIONS IN ACCORDANCE WITH TERMS AND CONDITIONS PRINTED ON THE REVERSE SIDE OF THIS FORM AND REPRESENT THAT I HAVE AUTHORITY TO ACCEPT AND SIGN THIS ORDER. | SERVICE RECEIPT: I CERTIFY THAT THE MATERIALS AND SERVICES LISTED WERE RECEIVED AND ALL SERVICES PERFORMED IN A WORKMANLIKE MANNER. |
| CUSTOMER REP. LAST NAME | Rice | <input checked="" type="checkbox"/> CUSTOMER AUTHORIZED AGENT | <input checked="" type="checkbox"/> WESTERN APPROVED |
| SEE REVERSE SIDE FOR GENERAL TERMS AND CONDITIONS | | <i>X David E Rice</i> CUSTOMER AUTHORIZED AGENT | <i>X David E Rice</i> WESTERN APPROVED |