

SIDE ONE

ORIGINAL

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

Operator: License # 4742
Name: Texaco E & P, Inc.
Address P.O. Box 2700

City/State/Zip Pampa, TX 79066-2700

Purchaser: Williams Field Services

Operator Contact Person: Sylvia Porter

Phone (806) 669-8456

Contractor: Name: Allen Drilling Co.

License: 5418

Wellsite Geologist: Phil Schreiner

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 PBSD
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

11-3-95 11-11-95 11-28-95
Spud Date Date Reached TD Completion Date

API NO. 15- 189-21968-00-00

County Stevens

S/2, S/2, N/2, NW Sec. 5 Twp. 34S Rge. 35 X ^EW

4030 Feet from S/N (circle one) Line of Section

3960 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 E. Skinner Well # 5-2

Hugoton

Producing Formation Herrington, Krider, Winfield

Elevation: Ground 3002 KB 3012

Total Depth 2900' PBSD 2834'

Amount of Surface Pipe Set and Cemented at 623' 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/ _____ x cmt.

Drilling Fluid Management Plan ALT 1 996 4/29/96
(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 Rge. _____ E/W

County _____ Docket No. _____

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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 [Signature]

Title Operations Manager Date 1/26/96

Subscribed and sworn to before me this 26th day of JANUARY 19 96

Notary Public Merle W. Serrell

Date Commission Expires 2-23-99

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

SIDE TWO

Operator Name Texaco E & P Inc. Lease Name E. Skinner Well # 5-2
 Sec. 5 Twp. 34S Rge. 35 East West County Stevens

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.) Yes No
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run (Submit Copy.) Yes No
 List All E.Logs Run:

Log Formation (Top), Depth and Datums Sample

Name Top Datum
 See Attached

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" | 24# | 623' | See Att. | | |
| Production | 7-7/8" | 4-1/2" | 10.5# | 2899' | See Att. | | |

ADDITIONAL CEMENTING/SQUEEZE RECORD

| Purpose | 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 |
|----------------|--|--|-------|
| 2 | 2638 - 2656' | 2500 Gal. 15% HCL Acid, | |
| 2 | 2672 - 2682' | 30,000 Gal. crosslinked Gel | |
| 2 | 2704 - 2730' | 135,360# 12/20 Brady Sand | |
| 2 | 2756 - 2776' | | |

TUBING RECORD Size 2-3/8" Set At 2790' Packer At _____ Liner Run Yes No

Date of First Resumed Production, SWD or Inj. Production 12-7-95 Producing Method Flowing Pumping Gas Lift Other (Explain)

| Estimated Production Per 24 Hours | Oil Bbls. | Gas Mcf | Water Bbls. | Gas-Oil Ratio | Gravity |
|-----------------------------------|-----------|---------|-------------|---------------|---------|
| | 0 | 339 | 12 | | |

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.) METHOD OF COMPLETION Open Hole Perforation Dually Completed Commingled Other (Specify) _____ Production Interval 2638 - 2776'

ORIGINAL

E. SKINNER #5-2
API #15-189-21968
Section 5-34S-35W
Stevens County, Kansas

Formation Tops and Datum
(KB Elevation +3012.0')

| <u>Formation</u> | <u>Top</u> | <u>Datum</u> |
|------------------|------------|--------------|
| Herrington | 2638' | +374 |
| Upper Krider | 2672' | +340 |
| Lower Krider | 2704' | +308 |
| Winfield | 2756' | +256 |

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E. SKINNER #5-2
API #15-189-21968
Section 5-34S-35W
Stevens County, Kansas

Cementing Data

8-5/8" Surface Casing Cement - Dowell Schlumberger Inc. - Invoice #0312-7774

200 sacks 35/65 Poz, 6% Gel, 2% CC 1/4# Celloflake

150 sacks Class C, 2% CC, 1/4# Celloflake

Circulated approximately 18 bbls. to surface

4-1/2" Production Casing Cement - Dowell Schlumberger Inc. - Invoice #0312-7311

400 sacks Class C, 3% D79, 1/4#/sk D-29

200 sacks Class C, 1/4#/sk D-29

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Schlumberger

Dowell

312

REMIT TO:

P. O. BOX 201556
HOUSTON TX 77216

INVOICE

633668
TEXACO SERVICES INC 239382138

P O BOX 2700
PAMPA TX 79066

ORIGINAL

PAGE

INVOICE NUMBER

43-12-700

CEMENTING
CEMENT SURFACE C

TYPE SERVICE

| WELL NAME / JOB SITE | STATE | COUNTY / CITY | SERVICE FROM LOCATION | SHIPPED VIA | CUSTOMER P.O. NO./REF. |
|--------------------------|-------|---------------|-----------------------|---------------------------------------|------------------------|
| E. SKINNER 2 | KS | STEVENS | ULYSSES | DOWELL | HBO 192081 |
| LOCATION / PLANT ADDRESS | | | DATE OF SERVICE ORDER | CUSTOMER OR AUTHORIZED REPRESENTATIVE | |
| SEC 5-143-359 433 977 | | | 11/03/95 | R. STEVENSON | |

| ITEM CODE | DESCRIPTION | UOM | QTY | LIST PRICE | LIST AMOUNT | Z OFF | NET PRICE | NET AMOUNT | |
|-----------|------------------------------|-----|------|------------|-------------|----------|-----------|---------------|----------|
| 102871010 | CSNG CMNT 501-1000' 1ST 8 HR | BHR | 1 | 840.0000 | 840.00 | 60.0 | 336.0000 | 336.00 | |
| 059200002 | MILEAGE, ALL OTHER EQUIPMENT | MI | 42 | 2.9500 | 123.90 | 60.0 | 1.1800 | 49.56 | |
| 049100000 | SERVICE CHG CEMENT MATL LAND | CFT | 382 | 1.3600 | 519.52 | 60.0 | .5440 | 207.81 | |
| 049102000 | TRANSPORTATION CHNT TON MILE | MI | 709 | 1.0000 | 709.00 | 60.0 | .4000 | 283.60 | |
| 059697000 | PACR TREAT ANALYSIS RECORDER | JOB | 1 | 159.0000 | 159.00 | 60.0 | 63.6000 | 63.60 | |
| 040003000 | D903, CEMENT CLASS C | CFT | 282 | 9.0600 | 2,554.92 | 60.0 | 3.6240 | 1,021.97 | |
| 101545000 | D132, LITEPOZ | CFT | 70 | 4.3900 | 307.30 | 60.0 | 1.7560 | 122.92 | |
| 045014050 | D20, BENTONITE EXTENDER | LBS | 1090 | .1700 | 185.30 | 60.0 | .0680 | 74.12 | |
| 067005100 | S1, CALCIUM CHLORIDE | LBS | 638 | .4000 | 255.20 | 60.0 | .1600 | 102.08 | |
| 044003025 | D29, CELLOPHANE FLAKES | LBS | 88 | 1.7700 | 155.76 | 60.0 | .7000 | 62.30 | |
| 053003085 | INSERT ORIFICE FILL 8-5/8" | EA | 1 | 360.0000 | 360.00 | 60.0 | 144.0000 | 144.00 | |
| 056011085 | CENTR REG 8-5/8, B DIA 12" | EA | 1 | 82.0000 | 82.00 | 60.0 | 32.8000 | 32.80 | |
| 056702085 | PLUG CEMG 8-5/8" TOP PLASTIC | EA | 1 | 109.0000 | 109.00 | 60.0 | 43.6000 | 43.60 | |
| | | | | | | 6.360.90 | 60.0 | SUB TOTAL -- | 2,544.36 |
| M C | STATE TAX ON | | | | | | | 1,887.39 | 92.49 |
| H F C | LOCAL TAX ON | | | | | | | 1,887.39 | 18.87 |
| | | | | | | | | AMOUNT DUE -- | 2,655.72 |

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WITH QUESTIONS CALL 316-356-1272
FEDERAL TAX ID # 22-1692661
TERMS -- NET 30 DAYS DUE ON OR BEFORE DEC 04, 1995

THANK YOU. WE APPRECIATE YOUR BUSINESS.

** WE CAN INVOICE YOU VIA EDI. CALL (713)275-8414 FOR INFORMATION **

CEMENTING SERVICE REPORT

Schlumberger

Dowell

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER: 0312-774 DATE: 11-4-95
 STAGE: DS DISTRICT: UNSSCO's, Kansas 0312

DS-496-A PRINTED IN U.S.A.

WELL NAME AND NO. **E. Skinner #2** LOCATION (LEGAL) **Sec 5-34S-35W**
 FIELD-POOL **Hugoton** FORMATION
 COUNTY/PARISH **Stevens** STATE **189 Kansas** APL. NO. **15**
 NAME **Texaco EandP Inc**
 AND **ORIGINAL**
 ADDRESS
 ZIP CODE

RIG NAME: **Allen #2**
 WELL DATA: BOTTOM TOP
 BIT SIZE **12 1/4** CSG/Liner Size **8 3/8**
 TOTAL DEPTH **27 1/2** WEIGHT
 ROT CABLE FOOTAGE **634.06**
 MUD TYPE GRADE
 BHST BHCT THREAD **38P**
 MUD DENSITY LESS FOOTAGE SHOE JOINT(S) **92** TOTAL
 MUD VISC. Disp. Capacity **38**

SPECIAL INSTRUCTIONS
Rig up and pump 200 sks lead and 150 sks tail per company man's instruction
 IS CASING/TUBING SECURED? YES NO
 LIFT PRESSURE **251** PSI CASING WEIGHT + SURFACE AREA (S.14 x R)
 PRESSURE LIMIT **2000** PSI BUMP PLUG TO **1010** PSI
 ROTATE RPM RECIPROCATATE FT No. of Centralizers **1**

NOTE: Include Footage From Ground Level To Head In Disp. Capacity
 Float TYPE **Office All Insert** TYPE
 DEPTH **597.06** DEPTH
 Shoe TYPE **Cement Nose** TYPE
 DEPTH **634.06** DEPTH
 Head & Plugs TBG D.P. SQUEEZE JOB
 Double SIZE TOOL TYPE
 Single WEIGHT DEPTH
 Swage GRADE TAIL PIPE: SIZE DEPTH
 Knockoff THREAD TUBING VOLUME Bbls
 TOP W NEW USED CASING VOL. BELOW TOOL Bbls
 BOT W DEPTH TOTAL Bbls
 ANNUAL VOLUME Bbls

| TIME | PRESSURE | | VOLUME PUMPED BBL | | JOB SCHEDULED FOR TIME: 2200 DATE: 11-3-95 | | | ARRIVE ON LOCATION TIME: 2200 DATE: 11-3-95 | | LEFT LOCATION TIME: 0230 DATE: 11-4-95 | |
|-------|-------------|--------|-------------------|-----|--|------------------|-------------------|---|--|--|--|
| | TBG OR D.P. | CASING | INCREMENT | CUM | INJECT RATE | FLUID TYPE | FLUID DENSITY | SERVICE LOG DETAIL | | | |
| 00170 | | | | | | | | PRE-JOB SAFETY MEETING | | | |
| 00139 | 2400 | 0900 | - | - | - | H ₂ O | 8.34 | Pressure Test to 2900 PSI | | | |
| 00143 | | 140 | 25 | | 2 | H ₂ O | 8.34 | Start Fresh Ahead | | | |
| 00249 | | 190 | 75 | 25 | 6 | Cement | 12.2 [#] | Start Lead | | | |
| 01:03 | | 110 | 35 | 75 | 4 | Cement | 14.8 [#] | Start Tail | | | |
| 01:11 | | 110 | | 35 | 4 | Cement | 14.8 [#] | Shutdown Drop Plug - Wash Lines | | | |
| 01:15 | | 170 | 38 | | 6 | H ₂ O | 8.34 | Start Disp. | | | |
| 01:19 | | 220 | | 20 | 6 | H ₂ O | 8.34 | Cement to Surface | | | |
| 01:21 | | 170 | | 30 | 2 | H ₂ O | 8.34 | Slow Rate | | | |
| 01:25 | | 190 | | 38 | 2 | H ₂ O | 8.34 | Bump top plug to 1010 | | | |
| 01:26 | | 0 | | 38 | 0 | H ₂ O | 8.34 | Bleed Line CK Float (Float Holding) | | | |

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REMARKS

| SYSTEM CODE | NO. OF SACKS | YIELD CU. FT/SK | COMPOSITION OF CEMENTING SYSTEMS | | | | SLURRY MIXED | |
|-------------|--------------|-----------------|--|-------------------|-------------------|-------------------|-------------------|--|
| | | | BLS | DENSITY | BLS | DENSITY | | |
| 1. | 200 | 2.1 | 35 | 12.2 [#] | 75 | 12.2 [#] | | |
| 2. | 150 | 1.32 | Class C + 290 SI + 4 [#] SKD-29 | 35 | 14.8 [#] | 35 | 14.8 [#] | |
| 3. | | | | | | | | |
| 4. | | | | | | | | |
| 5. | | | | | | | | |
| 6. | | | | | | | | |

BREAKDOWN FLUID TYPE VOLUME DENSITY PRESSURE **170** MAX: **1010** MIN:
 HESITATION SQ. RUNNING SQ. CIRCULATION LOST YES NO Cement Circulated To Surf. YES NO **18** Bbls.
 BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. **38** Bbls TYPE OIL STORAGE BRINE WATER
 Washed Thru Peris YES NO TO FT. MEASURED DISPLACEMENT WIRELINE OF WELL GAS INJECTION WILDCAT **48** SKS
 PERFORATIONS TO TO CUSTOMER REPRESENTATIVE **Richard Stevenson** DS SUPERVISOR **[Signature]**

DOWELL

A DIVISION OF SCHLUMBERGER TECHNOLOGY CORPORATION

P.O. BOX 4378 HOUSTON, TEXAS 77210

CUSTOMER

OILFIELD SERVICES

Dowell Service Order Receipt & Invoice No.: **03-12-7811**
 Dowell Service Location Name and Number: **ULYSSES, KS 03-12**

CUSTOMER'S NAME: **TEXACO**
 ADDRESS: _____
 CITY, STATE AND ZIP CODE: _____

ORIGINAL

Dowell will furnish and Customer shall purchase materials and services required in the performance of the following SERVICE INSTRUCTIONS in accordance with the general terms and conditions as printed on the reverse side of this service order and/or attached to this service order. This service order is subject to alternative dispute resolution.

SAFELY CEMENT 4 1/2" PRODUCTION CASING WITH THE FOLLOWING AS DIRECTED BY THE CUSTOMER

IMPORTANT
 SEE OTHER SIDE FOR TERMS & CONDITIONS

| | | | | |
|-----------------|-----|-----|-----|------|
| ARRIVE LOCATION | MO. | DAY | YR. | TIME |
| | 11 | 11 | 95 | 0630 |

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/or attached to this form and represent that I have authority to accept and sign this order.

SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE
Richard Steuermann

| | | | | |
|----------------|-----|-----|-----|------|
| JOB COMPLETION | MO. | DAY | YR. | TIME |
| | 11 | 11 | 95 | 1330 |

SERVICE RECEIPT I certify that the materials and services listed were received and all services performed in a workmanlike manner.

SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE
Richard Steuermann

| | | | | | |
|-------------------------------|--|-------------------|-------------------------------|-------------|------------|
| CUSTOMER NUMBER | CUSTOMER PO/CONTRACT NUMBER | TYPE SERVICE CODE | WORKOVER NEW WELL OTHER | W N O | AFE NUMBER |
| | | 285 | | | |
| STATE | CODE | COUNTY/PARISH | CODE | CITY | |
| KANSAS | 15 | STEVENS | 189 | | |
| WELL NAME AND NUMBER/JOB SITE | LOCATION NAME AND NUMBER/OFFSHORE PLATFORM | | | | |
| E. SKINNER # 2 | SECS-345-35W | | | | |
| ACCOUNTING CODES | ROUND TRIP MILEAGE | | | | |
| | 88 | | | | |

| ITEM/PRICE REF. NO. | MATERIAL, EQUIPMENT AND SERVICES USED | UNIT | QUANTITY | UNIT PRICE | \$ AMOUNT |
|---------------------|---------------------------------------|------|----------|------------|-----------|
| 102871-030 | CEMENT PUMP | EA. | 1 | 1460.00 | 1460.00 |
| 048601-000 | CEMENT HEAD | EA. | 1 | 70.00 | N/C |
| 049102-000 | DELIVERY CHARGE | TRM | 1274 | 1.05 | 1337.70 |
| 049100-000 | SERVICE CHARGE | CFT | 618 | 1.43 | 883.74 |
| 059697-000 | PACK | EA. | 1 | 167.00 | 167.00 |
| 059200-002 | MILEAGE | MT. | 44 | 2.95 | 129.80 |
| MATERIALS | | | | | |
| 040003-000 | D903, CLASS C | CFT | 602 | 10.42 | 6272.84 |
| 045041-100 | D79, CHEMICAL EXTENDER | LB. | 1128 | 1.44 | 1624.32 |
| 044003-025 | D25, Cellophane FLASKS | LB. | 150 | 1.77 | 265.50 |
| CASING HARDWARE | | | | | |
| 050101-044 | 4 1/2" Guide Shoe (CENT) | EA. | 1 | 120.00 | 120.00 |
| 053003-044 | 4 1/2" AUTO FILL INSERT | EA. | 1 | 220.00 | 220.00 |
| 056011-044 | 4 1/2" CENTRALIZERS | EA. | 3 | 58.00 | 174.00 |
| 056008-044 | 4 1/2" BASKET | EA. | 1 | 162.00 | 162.00 |
| 056702-044 | 4 1/2" TOP PLUG (PLASTIC) | EA. | 1 | 49.00 | 49.00 |
| 057499-001 | K232 THREAD LOCK | EA. | 1 | 28.00 | 28.00 |

SERVICE RECEIPT

| | | | | | |
|---------------------------|--|---------------------------|--|-----------|--|
| Field EST. \$ 12,893.90 | | | | SUB TOTAL | |
| LICENSE/REIMBURSEMENT FEE | | LICENSE/REIMBURSEMENT FEE | | | |

| | | |
|--|------------------------------------|-------------|
| REMARKS: Thank You For Using Dowell! | STATE | % TAX ON \$ |
| | COUNTY | % TAX ON \$ |
| | CITY | % TAX ON \$ |
| | SIGNATURE OF DOWELL REPRESENTATIVE | TOTAL \$ |
| | <i>Russell G. Wagstaff</i> | |

CEMENTING SERVICE REPORT

Schlumberger

Dowell

DOWELL SCHLUMBERGER INCORPORATED

| | |
|--------------------------------|-------------------------|
| TREATMENT NUMBER 03-12-7911 | DATE 11-11-95 |
| STAGE DS | DISTRICT ULYSSES, KS |

DS-496-A PRINTED IN U.S.A.

| | |
|------------------------------------|-----------------------------------|
| WELL NAME AND NO. E. SKINNER #2 | LOCATION (LEGAL) SEC 5-34S-35W |
| FIELD-POOL HUGOTON | FORMATION CHASE |
| COUNTY/PARISH STEVENS | STATE KS |
| API. NO. | |

| | | | | | |
|--|-------------------------------|--|--|--|-------|
| RIG NAME: ALLAN #2 | | | | | |
| WELL DATA: | | | | | |
| BIT SIZE 7 7/8 | CSG/Liner Size 4 1/2 | | | | |
| TOTAL DEPTH 2900 | WEIGHT 105 | | | | |
| <input type="checkbox"/> ROT <input type="checkbox"/> CABLE | FOOTAGE 2915 | | | | |
| MUD TYPE | GRADE 355 | | | | |
| <input type="checkbox"/> BHST <input type="checkbox"/> BHCT | THREAD 8RD | | | | |
| MUD DENSITY | LESS FOOTAGE SHOE JOINT(S) 40 | | | | TOTAL |
| MUD VISC. | Disp. Capacity 45.7 | | | | |

NAME **TEXACO**

AND

ADDRESS

ZIP CODE

ORIGINAL

SPECIAL INSTRUCTIONS **SAFELY CEMENT 4 1/2 PRODUCTION CASING WITH 400 SKS OF LEAD AND 200 SKS OF TAIL AS DIRECTED BY THE CUSTOMER.**

| | | | |
|---|-----------------|-------|------------|
| NOTE: Include Footage From Ground Level To Head In Disp. Capacity | | | |
| Float | TYPE | DEPTH | Stage Tool |
| | AutoFill INSERT | 2075 | |
| | CMT NOSE | 2915 | |

IS CASING/TUBING SECURED? YES NO

LIFT PRESSURE PSI CASING WEIGHT + SURFACE AREA (3.14 x R²)

PRESSURE LIMIT **500 OVER** PSI BUMP PLUG TO **1250** PSI

ROTATE RPM RECIPROCATE FT No. of Centralizers

| | | |
|---|---|-----------------------------|
| Head & Plugs | <input checked="" type="checkbox"/> TBG <input type="checkbox"/> D.P. | SQUEEZE JOB |
| <input type="checkbox"/> Double | SIZE | TOOL TYPE |
| <input checked="" type="checkbox"/> Single | WEIGHT | DEPTH |
| <input type="checkbox"/> Swage | GRADE | TAIL PIPE: SIZE DEPTH |
| <input type="checkbox"/> Knockoff | THREAD | TUBING VOLUME Bbls |
| TOP <input type="checkbox"/> OR <input type="checkbox"/> OW | <input type="checkbox"/> NEW <input type="checkbox"/> USED | CASING VOL. BELOW TOOL Bbls |
| BOT <input type="checkbox"/> OR <input type="checkbox"/> OW | DEPTH | TOTAL Bbls |
| | | ANNUAL VOLUME Bbls |

| | | | | | |
|--------------|--------------------|-------------------|---|--|---|
| TIME | PRESSURE | VOLUME PUMPED BBL | JOB SCHEDULED FOR TIME: 0630 DATE: 11-11-95 | ARRIVE ON LOCATION TIME: 0630 DATE: 11-11-95 | LEFT LOCATION TIME: 1330 DATE: 11-11-95 |
| 0001 to 2400 | TBG OR D.P. CASING | INCREMENT CUM | INJECT RATE | FLUID TYPE | FLUID DENSITY |

| TIME | TBG OR D.P. | CASING | INCREMENT | CUM | INJECT RATE | FLUID TYPE | FLUID DENSITY | SERVICE LOG DETAIL |
|------|-------------|--------|-----------|-----|-------------|------------|---------------|---------------------------------------|
| 1100 | | | | | | | | PRE-JOB SAFETY MEETING |
| 1124 | 2000 | | | | | H2O | 8.34 | PRESSURE TEST LINES |
| 1126 | | 200 | 10 | | 5.1 | H2O | 8.34 | START H2O |
| 1129 | | 190 | 193 | 10 | 5.1 | CMT | 11.5 | START LEAD SLURRY |
| 1207 | | 110 | 47 | 303 | 5.1 | CMT | 14.8 | START TAIL SLURRY |
| 1216 | | | | 350 | | | | SHUTDOWN / WASH LINES / DROP TOP PLUG |
| 1221 | | Ø | 46 | | 4.0 | H2O | 8.34 | START DISPLACEMENT |
| 1231 | | 320 | | 35 | 3.2 | H2O | 8.34 | PSI CHECK |
| 1236 | | 550 | | 45 | 1.8 | H2O | 8.34 | PSI CHECK |
| 1237 | | 1250 | | 46 | | | | STOP PUMP / PLUG DOWN |
| 1237 | | Ø | | | | | | Bleed Lines / Check Flow |
| 1239 | | | | | | | | Holding / END JOB |

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 1996 JUN 29 A 10:50

REMARKS

| SYSTEM CODE | NO. OF SACKS | YIELD CU. FT/SK | COMPOSITION OF CEMENTING SYSTEMS | | SLURRY MIXED | |
|-------------|--------------|-----------------|----------------------------------|----------------|--------------|---------|
| | | | | | BBLs | DENSITY |
| 1. | 400 | 2.75 | CLASS C + 3% D79 | 1 1/4 H/SK D29 | 196 | 11.5 |
| 2. | 200 | 1.32 | CLASS. C + 1/4 H/SK | D29 | 47 | 14.8 |
| 3. | | | | | | |
| 4. | | | | | | |
| 5. | | | | | | |
| 6. | | | | | | |

| | | | | | |
|---|--|---|---|----------------------------|--|
| BREAKDOWN FLUID TYPE | VOLUME | DENSITY | PRESSURE | MAX. | MIN. |
| <input type="checkbox"/> HESITATION SQ. | <input type="checkbox"/> RUNNING SQ. | <input type="checkbox"/> CIRCULATION LOST | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | Cement Circulated To Surf. | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| BREAKDOWN | PSI FINAL | PSI | DISPLACEMENT VOL. | 46 | Bbls |
| Washed Thru Perfs | <input type="checkbox"/> YES <input type="checkbox"/> NO | TO | FT. | MEASURED DISPLACEMENT | <input type="checkbox"/> WIRELINE |
| PERFORATIONS | TO | TO | CUSTOMER REPRESENTATIVE | DS SUPERVISOR | |
| | | | Richard STEVENSON | Russ WAGSTAFF | |