

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

API NO. 15- 189-222110000 _____

County Stevens _____

_____ - _____ - NW - SW Sec. 20 Twp. 33 Rge. 35 X E W

1940 Feet from S/N (circle one) Line of Section

620 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 Skinner-Neer #1 Unit Well # 2

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 3005 KB 3014

Total Depth 2948 PBDT 2894

Amount of Surface Pipe Set and Cemented at 759 Feet

Multiple Stage Cementing Collar Used? Yes X No _____

If yes, show depth set NA Feet

If Alternate II completion, cement circulated from NA feet depth to NA w/ NA sx cmt.

Drilling Fluid Management Plan Att. 1 1-16-98 UO.
(Data must be collected from the Reserve Pit)

Chloride content 10,000 ppm Fluid volume 200 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite: 10-27-97

Operator Name Mobil Oil Corporation

Lease Name _____ License No. 5208

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

County _____ Docket No. _____

Operator: License # 5208

Name: Mobil Oil Corporation

Address P.O. Box 2173
2319 North Kansas Avenue

City/State/Zip Liberal, KS 67905-2173

Purchaser: Spot Market

Operator Contact Person: Sharon Cook

Phone (316) 626-1142

Contractor: Name: Norseman Drilling Inc.

License: 3779

Wellsite Geologist: L. J. Reimer

Designate Type of Completion
X New Well _____ Re-Entry _____ Workover _____

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

If Workover:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

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

7-11-97 _____ 7-14-97 _____ 7-21-97 _____
Spud Date Date Reached TD Completion Date

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 Sharon A. Cook Sharon A. Cook _____

Title Regulatory Assistant Date 10-24-97

Subscribed and sworn to before me this 24th day of October, 19 97.

Notary Public Lynn K. Hunt

Date Commission Expires February 20, 2001

7-76.kcc

K.C.C. OFFICE USE ONLY

F _____ Letter of Confidentiality Attached

C _____ Wireline Log Received

C _____ Geologist Report Received

KCC

KGS

Distribution

SWD/Rep

Plug

NGPA

Other (Specify)



Operator Name Mobil Oil Corporation Lease Name Skinner-Neer #1 Unit Well # 2

Sec. 20 Twp. 33 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.) | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Log | Formation (Top), Depth and Datums | <input type="checkbox"/> Sample |
| Samples Sent to Geological Survey | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Name | Top | Datum |
| Cores Taken | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | |
| Electric Log Run (Submit Copy.) | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | |
| List All E.Logs Run: | | | | |
| NO LOGS RUN | | | | |

| 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 Casing | 12.250 | 8.625 | 24# | 759 | Class C Class C | 250 175 | 50:50 C/poz 50:50 C/poz |
| Production Casing | 7.875 | 5.500 | 14# | 2939 | Class C Class C | 220 100 | 3% D79 -2% B28 |

| ADDITIONAL CEMENTING/SQUEEZE RECORD | | | | |
|---|------------------|----------------|-------------|----------------------------|
| Purpose: | Depth Top Bottom | Type of Cement | #Sacks Used | Type and Percent Additives |
| <input type="checkbox"/> Perforate | | | | |
| <input type="checkbox"/> Protect Casing | | | | |
| <input type="checkbox"/> Plug Back TD | | | | |
| <input type="checkbox"/> Plug Off Zone | | | | |

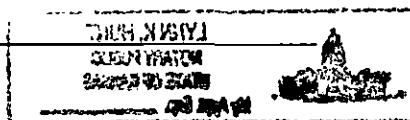
| Shots Per Foot | PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) | Depth |
|----------------|---|---|-------|
| 2SPF | 2716-2731 | Acid: 1,000 gals 7.5% HCL | |
| | 2770-2780 | Fract: 13,619 gals WF130 in 70q foam | |
| | | 94,100 lbs 16/30 sand | |

| | | | | | |
|---|-----------|--|-------------|---------------|---|
| 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. 8-25-97 | | Producing Method <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 81 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: 2716
2780



CEMENTING SERVICE REPORT

Schlumberger

Dowell

| | |
|------------------------------|------------------|
| TREATMENT NUMBER 200 0382 | DATE 7-13-97 |
| STATE KS | DISTRICT 2054 |

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

| | | |
|---|------------------------------------|-------------------------|
| WELL NAME AND NO. SKINNER-NEER # 1-2 | LOCATION (LEGAL) SEC 20.33S-35W | RIG NAME: NORMAN # 2 |
| FIELD-POOL Hugoton | FORMATION CHASE | WELL DATA: BOTTOM TOP |
| COUNTY/PARISH Stevens | STATE KS | API. NO. |

| | | | | |
|-------------------|----------|--|----------------------------------|-------|
| NAME Mobil Oil | ORIGINAL | BIT SIZE 7 7/8 | CSG/Liner Size 5 1/2 | TOTAL |
| AND | | TOTAL DEPTH 2948 | WEIGHT 1416 | |
| ADDRESS | | <input checked="" type="checkbox"/> ROT <input type="checkbox"/> CABLE | FOOTAGE 2938 | |
| ZIP CODE | | MUD TYPE Bent. | GRADE | |
| | | <input type="checkbox"/> BHST <input type="checkbox"/> BHCT | THREAD 2 1/2 | |
| | | MUD DENSITY 9.2 | LESS FOOTAGE SHOE JOINT(S) 46 | |
| | | MUD VISC. 33 | Disp. Capacity 70.6 | |

NOTE: Include Footage From Ground Level To Head In Disp. Capacity

| | | | | | |
|-------|------------------|---------------|------------|------|-------|
| Float | TYPE Art F:11 | DEPTH 2898 | Stage Tool | TYPE | DEPTH |
| SHOE | TYPE Guide | DEPTH 2939 | | TYPE | DEPTH |

SPECIAL INSTRUCTIONS
Safley cement production casing, as directed by customer.

| | | | | | |
|--------------|--|--------|------------------------------|-------------------------------|-------------|
| Head & Plugs | <input type="checkbox"/> Double | SIZE | <input type="checkbox"/> TBG | <input type="checkbox"/> D.P. | SQUEEZE JOB |
| | <input checked="" type="checkbox"/> Single | WEIGHT | | | |
| | <input type="checkbox"/> Swage | GRADE | | | |
| | <input type="checkbox"/> Knockoff | THREAD | | | |
| | | | | | |

| | | | | | |
|---------------------------|---|-----------------------|---------------|--|---------------------|
| IS CASING/TUBING SECURED? | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | LIFT PRESSURE 1735 | PSI | CASING WEIGHT ÷ SURFACE AREA (3.14 x R ²) | |
| PRESSURE LIMIT | 2500 | PSI | BUMP PLUG TO | 1299 | PSI |
| ROTATE | | RPM | RECIPROCATATE | | FT |
| | | | | | No. of Centralizers |

| | | | | | |
|--------------|--------------------|-------------------|--|---|--|
| TIME | PRESSURE | VOLUME PUMPED BBL | JOB SCHEDULED FOR TIME: 7:10 DATE: 7-13-97 | ARRIVE ON LOCATION TIME: 2015 DATE: 7-13-97 | LEFT LOCATION TIME: 0330 DATE: 7-14-97 |
| 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 |
|------|-------------|--------|-----------|-------|-------------|------------|---------------|------------------------|
| 0030 | | | | | | | | PRE-JOB SAFETY MEETING |
| 0140 | | 2300 | | | | | | PSI Test |
| 0141 | | | | | | | | Bleed psi off |
| 0142 | | 240 | 30 | | 5.7 | H2O R.3 | | START 420 ahead |
| 0148 | | 160 | 108 | 30 | 5.6 | cm + H.5 | | START Lead cement |
| 0207 | | 90 | 249 | 175 | 3.8 | cm + 14.8 | | START Tail cement |
| 0214 | | | | | | | | SM + Down |
| 0218 | | 325 | 60 | 159.9 | 5.7 | H2O 8.3 | | DROP plug + START DISA |
| 0229 | | 350 | 11.5 | 219.9 | 2 | H2O 8.3 | | Lowest rate |
| 0234 | | 1300 | | | | | | Bump A plug |
| 0237 | | | | | | | | SM + Down |
| 0235 | | | | | | | | Bleed psi |
| 0236 | | | | 2304 | | | | End 505 |

REMARKS

| SYSTEM CODE | NO. OF SACKS | YIELD CU. FT/SK | COMPOSITION OF CEMENTING SYSTEMS | | | | SLURRY MIXED | |
|-------------|--------------|-----------------|---|--|--|--|--------------|---------|
| | | | | | | | BBLs | DENSITY |
| 1. | 220 | 2.75 | 220 SKs class + 38079 + 28046 + 1/4 16/SK D29 | | | | 108 | 11.5 |
| 2. | 100 | 1.37 | 100 SKs class + 28026 + 28511 + 68060 + 28046 + 1/4 16/SK D29 | | | | 24 | 14.2 |
| 3. | | | | | | | | |
| 4. | | | | | | | | |
| 5. | | | | | | | | |
| 6. | | | | | | | | |

| | | | | | |
|---|---|------------------|---|---|---|
| BREAKDOWN FLUID TYPE | VOLUME | DENSITY | PRESSURE | MAX. | MIN: |
| <input type="checkbox"/> HESITATION SQ. | <input type="checkbox"/> RUNNING SQ. | CIRCULATION LOST | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | Cement Circulated To Surf. | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
| BREAKDOWN | PSI | FINAL | PSI | DISPLACEMENT VOL. 70.5 | Bbls |
| Washed Thru Perfs | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | TO | FT. | MEASURED DISPLACEMENT <input checked="" type="checkbox"/> | <input type="checkbox"/> WIRELINE |
| PERFORATIONS | TO | TO | CUSTOMER REPRESENTATIVE | DS | SUPERVISOR |
| | | | Russell Worley | | Bremer Jim |

ORIGINAL

Cementing Service Report

15-189-22211



| Customer MOBIL OIL CORP V390500757A | | | | Job Number 20006378 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|--|--|---------------------------------------|--------------------------------|---------------------------------|---|-------------------------------|----------------------------------|--------------------------------|---------------------------------|--------------------------------|--------------------------------|---------|--|-------------|-----|-----|-----|-----|-----|--|--|------|---|---|---|---|---|---|---|-------------------|------|---------|-------|--------|---------|---------|---|---|--|------|---|---|---|---|---|---|---|------------------|------|---|-------|-------|---|---|---|---|--|------|---|---|---|---|---|---|---|-------------------|------|---------|-------|--------|---------|---------|---|---|--|------|---------|-------|--------|---------|---------|---|---|--|------|---------|-------|--------|---------|---------|---|---|--|------|-------|-------|--------|---------|-------|---|---|--|------|-------|-------|--------|---------|-------|---|---|--|------|------|-------|-------|---------|------|---|---|--|------|-------|-------|--------|---------|-------|---|---|--|------|-------|-------|--------|---------|-------|---|---|--|------|-------|-------|--------|----------|-------|---|---|--|------|-------|-------|--------|----------|-------|---|---|--|------|-------|-------|--------|----------|-------|---|---|--|------|-------|-------|--------|----------|-------|---|---|--|------|-------|-------|--------|----------|-------|---|---|--|------|-------|-------|--------|----------|-------|---|---|--|------|-------|-------|--------|---------|-------|---|---|--|------|---|---|---|---|---|---|---|---------------------|------|-------|-------|--------|-------|-------|---|---|--|
| Well Skinner-Neer 1-2 | | Location (logal) Sec 20-33S-35W | | Dowell Location Ulysses, KS | | Service Date 7/11/97 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Field Hugoton | | Formation Type Surface | | Deviation 0 ° | Bit Size 12.3 in | Well MD 764 ft | Well TVD 764 ft | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| County Stevens | | State/Province Ks | | BHP 0 psi | BHST 0 °F | BHCT 0 °F | Pore Press. Gradient 0 psi/ft | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rig Name Norsman #22 | Drilled For Gas | Service Via Land | | Casing/Liner | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Water Depth | Well Class 101 | Well Type Development | | Depth, ft 758 | Size, in 8.63 | Weight, lb/ft 24 | Grade 8rd | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Drilling Fluid Type Bentonite | Max. Density 9.6 lb/gal | Plastic Viscosity 31 cp | | Tubing/Drill Pipe | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Service Lino Cementing | Job Type Cem Surface Casing | | Depth, ft 0 | Size, in 0 | Weight, lb/ft 0 | Grade 0 | Thread 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Max. Allowed Tubing Pressure 2000 psi | Max. Allowed Ann. Pressure 0 psi | WellHead Connection Single cement head | | Perforations/Open Hole | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Service Instructions Safley cement surface casing as directed by customer. I.D. R.D.Worley Loc.# 62995, Accounting Code 4903 | | | | Top, ft 0 | Bottom, ft 0 | spf 0 | No. of Shots 0 | Total Interval 0 ft | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | Diameter 0 in | Treat Down Casing | Displacement 45.7 bbl | Packer Type 0 ft | Packer Depth 0 ft | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | Tubing Vol. 0 bbl | Casing Vol. 48.3 bbl | Annular Vol. 0 bbl | OpenHole Vol 0 bbl | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | Casing Tools | Squeeze Job | Shoo Type: Guide | Squeeze Type | Shoo Depth: 759 ft | Tool Type: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | No. Centralizers: 0 | Top Plugs: 1 | Bottom Plugs: 0 | Stage Tool Type | Tool Depth: 0 ft | Stage Tool Depth: 0 ft | Tail Pipe Size: 0 in | Tail Pipe Depth: 0 ft | Collar Depth: 718 ft | Sqz Total Vol: 0 bbl | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cement Head Type: Single | Job Scheduled For: 7/12/97 23:49 | Arrived on Location: 7/11/97 23:50 | Leave Location: 7/12/97 5:30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Casing/Tubing Secured <input checked="" type="checkbox"/> | 1 Hole Volume Circulated prior to Cementing <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lift Pressure: 311 psi | Pipo Rotated <input type="checkbox"/> | Pipo Reciprocated <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Time</th> <th>CumVol</th> <th>Density</th> <th>Pressure</th> <th>Pump</th> <th>Resot Volume</th> <th colspan="2">Message</th> </tr> <tr> <th>24 hr clock</th> <th>bbl</th> <th>ppg</th> <th>psi</th> <th>bpm</th> <th>bbl</th> <th></th> <th></th> </tr> </thead> <tbody> <tr><td>3:52</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>START ACQUISITION</td></tr> <tr><td>3:52</td><td>1398E-6</td><td>11.65</td><td>-4.587</td><td>8388E-5</td><td>1398E-6</td><td>0</td><td>0</td><td></td></tr> <tr><td>3:53</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>STOP ACQUISITION</td></tr> <tr><td>3:53</td><td>0</td><td>-6.25</td><td>-3784</td><td>0</td><td>0</td><td>0</td><td>0</td><td></td></tr> <tr><td>3:55</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>START ACQUISITION</td></tr> <tr><td>3:55</td><td>1398E-6</td><td>8.318</td><td>-4.587</td><td>8388E-5</td><td>1398E-6</td><td>0</td><td>0</td><td></td></tr> <tr><td>3:55</td><td>3724E-5</td><td>8.318</td><td>-5.385</td><td>7575E-5</td><td>3724E-5</td><td>0</td><td>0</td><td></td></tr> <tr><td>3:56</td><td>7276E-5</td><td>8.318</td><td>-5.123</td><td>6699E-5</td><td>7276E-5</td><td>0</td><td>0</td><td></td></tr> <tr><td>3:57</td><td>.1077</td><td>8.318</td><td>-6.632</td><td>6072E-5</td><td>.1077</td><td>0</td><td>0</td><td></td></tr> <tr><td>3:57</td><td>.1382</td><td>8.318</td><td>-1.576</td><td>4642E-5</td><td>.1382</td><td>0</td><td>0</td><td></td></tr> <tr><td>3:58</td><td>.153</td><td>8.318</td><td>1.609</td><td>7894E-7</td><td>.153</td><td>0</td><td>0</td><td></td></tr> <tr><td>3:58</td><td>.1674</td><td>8.318</td><td>-9.043</td><td>7033E-5</td><td>.1674</td><td>0</td><td>0</td><td></td></tr> <tr><td>3:59</td><td>.1737</td><td>8.318</td><td>-9.174</td><td>4456E-8</td><td>.1737</td><td>0</td><td>0</td><td></td></tr> <tr><td>3:59</td><td>.1737</td><td>8.318</td><td>-9.174</td><td>1595E-11</td><td>.1737</td><td>0</td><td>0</td><td></td></tr> <tr><td>4:00</td><td>.1737</td><td>8.318</td><td>-9.174</td><td>5712E-15</td><td>.1737</td><td>0</td><td>0</td><td></td></tr> <tr><td>4:00</td><td>.1737</td><td>8.318</td><td>-9.174</td><td>2045E-18</td><td>.1737</td><td>0</td><td>0</td><td></td></tr> <tr><td>4:01</td><td>.1737</td><td>8.318</td><td>-9.174</td><td>7322E-22</td><td>.1737</td><td>0</td><td>0</td><td></td></tr> <tr><td>4:01</td><td>.1737</td><td>8.318</td><td>-9.174</td><td>2621E-25</td><td>.1737</td><td>0</td><td>0</td><td></td></tr> <tr><td>4:02</td><td>.1737</td><td>8.318</td><td>-9.174</td><td>9385E-29</td><td>.1737</td><td>0</td><td>0</td><td></td></tr> <tr><td>4:02</td><td>.1737</td><td>8.318</td><td>-9.174</td><td>336E-31</td><td>.1737</td><td>0</td><td>0</td><td></td></tr> <tr><td>4:02</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>Pressure Test Lines</td></tr> <tr><td>4:03</td><td>.2348</td><td>8.305</td><td>-3.247</td><td>.5604</td><td>.2348</td><td>0</td><td>0</td><td></td></tr> </tbody> </table> | | | | | | | | Time | CumVol | Density | Pressure | Pump | Resot Volume | Message | | 24 hr clock | bbl | ppg | psi | bpm | bbl | | | 3:52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | START ACQUISITION | 3:52 | 1398E-6 | 11.65 | -4.587 | 8388E-5 | 1398E-6 | 0 | 0 | | 3:53 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | STOP ACQUISITION | 3:53 | 0 | -6.25 | -3784 | 0 | 0 | 0 | 0 | | 3:55 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | START ACQUISITION | 3:55 | 1398E-6 | 8.318 | -4.587 | 8388E-5 | 1398E-6 | 0 | 0 | | 3:55 | 3724E-5 | 8.318 | -5.385 | 7575E-5 | 3724E-5 | 0 | 0 | | 3:56 | 7276E-5 | 8.318 | -5.123 | 6699E-5 | 7276E-5 | 0 | 0 | | 3:57 | .1077 | 8.318 | -6.632 | 6072E-5 | .1077 | 0 | 0 | | 3:57 | .1382 | 8.318 | -1.576 | 4642E-5 | .1382 | 0 | 0 | | 3:58 | .153 | 8.318 | 1.609 | 7894E-7 | .153 | 0 | 0 | | 3:58 | .1674 | 8.318 | -9.043 | 7033E-5 | .1674 | 0 | 0 | | 3:59 | .1737 | 8.318 | -9.174 | 4456E-8 | .1737 | 0 | 0 | | 3:59 | .1737 | 8.318 | -9.174 | 1595E-11 | .1737 | 0 | 0 | | 4:00 | .1737 | 8.318 | -9.174 | 5712E-15 | .1737 | 0 | 0 | | 4:00 | .1737 | 8.318 | -9.174 | 2045E-18 | .1737 | 0 | 0 | | 4:01 | .1737 | 8.318 | -9.174 | 7322E-22 | .1737 | 0 | 0 | | 4:01 | .1737 | 8.318 | -9.174 | 2621E-25 | .1737 | 0 | 0 | | 4:02 | .1737 | 8.318 | -9.174 | 9385E-29 | .1737 | 0 | 0 | | 4:02 | .1737 | 8.318 | -9.174 | 336E-31 | .1737 | 0 | 0 | | 4:02 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Pressure Test Lines | 4:03 | .2348 | 8.305 | -3.247 | .5604 | .2348 | 0 | 0 | |
| Time | CumVol | Density | Pressure | Pump | Resot Volume | Message | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 hr clock | bbl | ppg | psi | bpm | bbl | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3:52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | START ACQUISITION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3:52 | 1398E-6 | 11.65 | -4.587 | 8388E-5 | 1398E-6 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3:53 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | STOP ACQUISITION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3:53 | 0 | -6.25 | -3784 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3:55 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | START ACQUISITION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3:55 | 1398E-6 | 8.318 | -4.587 | 8388E-5 | 1398E-6 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3:55 | 3724E-5 | 8.318 | -5.385 | 7575E-5 | 3724E-5 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3:56 | 7276E-5 | 8.318 | -5.123 | 6699E-5 | 7276E-5 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3:57 | .1077 | 8.318 | -6.632 | 6072E-5 | .1077 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3:57 | .1382 | 8.318 | -1.576 | 4642E-5 | .1382 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3:58 | .153 | 8.318 | 1.609 | 7894E-7 | .153 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3:58 | .1674 | 8.318 | -9.043 | 7033E-5 | .1674 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3:59 | .1737 | 8.318 | -9.174 | 4456E-8 | .1737 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3:59 | .1737 | 8.318 | -9.174 | 1595E-11 | .1737 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4:00 | .1737 | 8.318 | -9.174 | 5712E-15 | .1737 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4:00 | .1737 | 8.318 | -9.174 | 2045E-18 | .1737 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4:01 | .1737 | 8.318 | -9.174 | 7322E-22 | .1737 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4:01 | .1737 | 8.318 | -9.174 | 2621E-25 | .1737 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4:02 | .1737 | 8.318 | -9.174 | 9385E-29 | .1737 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4:02 | .1737 | 8.318 | -9.174 | 336E-31 | .1737 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4:02 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Pressure Test Lines | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4:03 | .2348 | 8.305 | -3.247 | .5604 | .2348 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

ORIGINAL

| Well | | Field | | | | Service Date | | Customer | Job Number |
|-------------------|---------|---------|----------|---------|--------------|--------------|---|--------------------------|------------|
| Skinner-Neer #1-2 | | Hugoton | | | | 7/11/97 | | MOBIL OIL CORP V39050075 | 20006378 |
| Time | CumVol | Density | Pressure | Pump | Reset Volume | Message | | | |
| 24 hr clock | bbbl | ppg | psi | bpm | bbbl | | | | |
| 4:03 | .4939 | 8.318 | 232.8 | .1734 | .4939 | 0 | 0 | | |
| 4:04 | .5205 | 8.318 | 1666 | 1328E-5 | .5205 | 0 | 0 | | |
| 4:04 | .5213 | 8.318 | 748 | 4766E-9 | .5213 | 0 | 0 | | |
| 4:04 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Bleed Off Pressure | |
| 4:04 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | [CumVol]=.5331 bbl | |
| 4:04 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Reset Volume | |
| 4:05 | 1481E-5 | 8.318 | -7.397 | 8912E-5 | .549 | 0 | 0 | | |
| 4:05 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Start Pumping Water | |
| 4:05 | 1.35 | 8.183 | 102.7 | 5.613 | 1.884 | 0 | 0 | | |
| 4:06 | 4.232 | 8.072 | 109.1 | 5.758 | 4.766 | 0 | 0 | | |
| 4:06 | 7.119 | 8.23 | 122.4 | 5.716 | 7.653 | 0 | 0 | | |
| 4:07 | 9.993 | 8.272 | 128.8 | 5.705 | 10.53 | 0 | 0 | | |
| 4:07 | 12.85 | 8.272 | 134.6 | 5.667 | 13.39 | 0 | 0 | | |
| 4:08 | 15.71 | 8.207 | 140.9 | 5.658 | 16.24 | 0 | 0 | | |
| 4:08 | 18.54 | 8.152 | 147.8 | 5.641 | 19.08 | 0 | 0 | | |
| 4:09 | 21.38 | 8.144 | 154.6 | 5.638 | 21.91 | 0 | 0 | | |
| 4:09 | 24.21 | 9.695 | 159.6 | 5.629 | 24.74 | 0 | 0 | Start Mixing Lead Slurry | |
| 4:09 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | [CumVol]=24.49 bbl | |
| 4:09 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Reset Volume | |
| 4:10 | 2.437 | 13.32 | 234.5 | 5.578 | 27.56 | 0 | 0 | | |
| 4:10 | 5.258 | 12.75 | 228.4 | 5.583 | 30.38 | 0 | 0 | | |
| 4:11 | 8.062 | 12.76 | 229.5 | 5.572 | 33.18 | 0 | 0 | | |
| 4:11 | 10.86 | 13.2 | 235.6 | 5.561 | 35.98 | 0 | 0 | | |
| 4:12 | 13.66 | 12.65 | 222.6 | 5.572 | 38.79 | 0 | 0 | | |
| 4:12 | 16.47 | 12.82 | 225.6 | 5.57 | 41.59 | 0 | 0 | | |
| 4:13 | 19.27 | 12.87 | 227.8 | 5.557 | 44.39 | 0 | 0 | | |
| 4:13 | 22.06 | 12.77 | 222.6 | 5.528 | 47.18 | 0 | 0 | | |
| 4:14 | 24.84 | 12.79 | 219 | 5.523 | 49.96 | 0 | 0 | | |
| 4:14 | 27.62 | 12.96 | 215.5 | 5.532 | 52.74 | 0 | 0 | | |
| 4:15 | 30.4 | 12.75 | 190.4 | 5.543 | 55.52 | 0 | 0 | | |
| 4:15 | 33.2 | 13.05 | 176.6 | 5.534 | 58.32 | 0 | 0 | | |
| 4:16 | 35.98 | 12.49 | 165.4 | 5.556 | 61.11 | 0 | 0 | | |
| 4:16 | 38.78 | 12.23 | 162.4 | 5.572 | 63.9 | 0 | 0 | | |
| 4:17 | 41.59 | 3.07 | 115.9 | 5.606 | 66.71 | 0 | 0 | | |
| 4:17 | 44.38 | 12.75 | 149.2 | 5.51 | 69.5 | 0 | 0 | | |
| 4:18 | 47.16 | 12.83 | 161.6 | 5.524 | 72.28 | 0 | 0 | | |
| 4:18 | 49.94 | 12.84 | 161.1 | 5.509 | 75.06 | 0 | 0 | | |
| 4:19 | 52.72 | 12.55 | 154.9 | 5.528 | 77.84 | 0 | 0 | | |
| 4:19 | 55.5 | 12.24 | 148.5 | 5.537 | 80.62 | 0 | 0 | | |
| 4:20 | 58.27 | 13.73 | 171.1 | 5.496 | 83.4 | 0 | 0 | | |
| 4:20 | 61.05 | 12.51 | 155.8 | 5.539 | 86.18 | 0 | 0 | | |
| 4:21 | 63.83 | 12.92 | 162.3 | 5.51 | 88.95 | 0 | 0 | | |
| 4:21 | 66.6 | 13.1 | 164.9 | 5.516 | 91.72 | 0 | 0 | | |
| 4:22 | 69.38 | 12.77 | 161.2 | 5.531 | 94.5 | 0 | 0 | | |
| 4:22 | 72.16 | 12.8 | 161 | 5.536 | 97.28 | 0 | 0 | | |
| 4:23 | 74.96 | 12.72 | 160.1 | 5.543 | 100.1 | 0 | 0 | | |
| 4:23 | 77.74 | 12.73 | 161.5 | 5.527 | 102.9 | 0 | 0 | | |
| 4:24 | 80.52 | 12.77 | 168 | 5.535 | 105.6 | 0 | 0 | | |
| 4:24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | [CumVol]=82.85 bbl | |
| 4:24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Reset Volume | |
| 4:24 | .3715 | 13.21 | 168 | 5.531 | 108.4 | 0 | 0 | | |
| 4:24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Start Mixing Tail Slurry | |
| 4:25 | 3.135 | 14.44 | 217.4 | 5.485 | 111.2 | 0 | 0 | | |
| 4:25 | 5.892 | 13.86 | 175.8 | 4.821 | 114 | 0 | 0 | | |

ORIGINAL

| Well | | Field | | | | Service Date | | Customer | Job Number |
|-------------------|---------|---------|----------|----------|--------------|--------------|---|--------------------------|------------|
| Skinner-Neer #1-2 | | Hugoton | | | | 7/11/97 | | MOBIL OIL CORP V39050075 | 20006378 |
| Time | CumVol | Density | Pressure | Pump | Reset Volume | | | Message | |
| 24 hr clock | bbl | ppg | psi | bpm | bbl | | | | |
| 4:26 | 7.865 | 12.67 | 112.8 | 3.822 | 115.9 | 0 | 0 | | |
| 4:26 | 9.783 | 13.76 | 116.4 | 3.794 | 117.8 | 0 | 0 | | |
| 4:27 | 11.68 | 13.89 | 139.9 | 3.801 | 119.7 | 0 | 0 | | |
| 4:27 | 13.59 | 14.49 | 144.1 | 3.776 | 121.7 | 0 | 0 | | |
| 4:28 | 15.49 | 14.59 | 122.1 | 3.764 | 123.6 | 0 | 0 | | |
| 4:28 | 17.38 | 15.7 | 146.6 | 3.753 | 125.4 | 0 | 0 | | |
| 4:29 | 19.27 | 14.71 | 134 | 3.784 | 127.3 | 0 | 0 | | |
| 4:29 | 21.18 | 13.96 | 119.4 | 3.797 | 129.2 | 0 | 0 | | |
| 4:30 | 23.09 | 14.26 | 122.3 | 3.782 | 131.2 | 0 | 0 | | |
| 4:30 | 24.99 | 14.74 | 133.9 | 3.767 | 133 | 0 | 0 | | |
| 4:31 | 26.88 | 15 | 134.9 | 3.763 | 134.9 | 0 | 0 | | |
| 4:31 | 28.77 | 14.7 | 136.1 | 3.77 | 136.8 | 0 | 0 | | |
| 4:32 | 30.66 | 15.18 | 137.1 | 3.75 | 138.7 | 0 | 0 | | |
| 4:32 | 32.56 | 14.67 | 138.6 | 3.776 | 140.6 | 0 | 0 | | |
| 4:33 | 34.46 | 15.62 | 144.9 | 3.756 | 142.5 | 0 | 0 | | |
| 4:33 | 36.36 | 13.33 | 129.4 | 3.805 | 144.4 | 0 | 0 | | |
| 4:34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Drop Top Plug | |
| 4:34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | [CumVol]=36.84 bbl | |
| 4:34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Reset Volume | |
| 4:34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Drop Top Plug | |
| 4:34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Start Displacement | |
| 4:34 | 2072E-6 | 13.47 | 16.93 | 8588E-6 | 144.9 | 0 | 0 | | |
| 4:34 | 2889E-6 | 13.52 | 9.181 | 1537E-6 | 144.9 | 0 | 0 | | |
| 4:35 | 2978E-6 | 13.52 | 9.174 | 5689E-10 | 144.9 | 0 | 0 | | |
| 4:35 | .4702 | 11.63 | 81.88 | 1.399 | 145.4 | 0 | 0 | | |
| 4:36 | 2.64 | 7.745 | 152 | 2.521 | 147.5 | 0 | 0 | | |
| 4:36 | 5.169 | 8.382 | 165.7 | 2.509 | 150.1 | 0 | 0 | | |
| 4:37 | 7.809 | 8.055 | 169.4 | 2.528 | 152.7 | 0 | 0 | | |
| 4:37 | 10.46 | 8.181 | 188.6 | 2.514 | 155.3 | 0 | 0 | | |
| 4:38 | 13.09 | 8.087 | 205.1 | 2.516 | 157.9 | 0 | 0 | | |
| 4:38 | 15.72 | 8.078 | 229.4 | 2.519 | 160.5 | 0 | 0 | | |
| 4:39 | 18.36 | 8.115 | 241.1 | 2.507 | 163.2 | 0 | 0 | | |
| 4:39 | 20.99 | 8.148 | 259.6 | 2.505 | 165.8 | 0 | 0 | | |
| 4:40 | 23.62 | 8.217 | 281.4 | 2.489 | 168.4 | 0 | 0 | | |
| 4:40 | 26.24 | 8.193 | 293.1 | 2.496 | 171 | 0 | 0 | | |
| 4:41 | 29.1 | 8.192 | 338.4 | 5.725 | 173.8 | 0 | 0 | | |
| 4:41 | 31.98 | 8.245 | 355.4 | 5.71 | 176.7 | 0 | 0 | | |
| 4:42 | 34.86 | 8.245 | 382.2 | 5.804 | 179.6 | 0 | 0 | | |
| 4:42 | 37.79 | 8.326 | 406.3 | 5.815 | 182.5 | 0 | 0 | | |
| 4:43 | 40.72 | 8.319 | 421.2 | 5.798 | 185.5 | 0 | 0 | | |
| 4:43 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Lower Pump Rate | |
| 4:43 | 43.3 | 8.323 | 377 | 3.619 | 188 | 0 | 0 | | |
| 4:44 | 44.67 | 8.326 | 354.2 | 1.965 | 189.4 | 0 | 0 | | |
| 4:44 | 45.66 | 8.325 | 358.8 | 1.971 | 190.4 | 0 | 0 | | |
| 4:45 | 46.68 | 8.326 | 364.3 | 1.958 | 191.4 | 0 | 0 | | |
| 4:45 | 47.67 | 8.326 | 369.2 | 1.97 | 192.4 | 0 | 0 | | |
| 4:46 | 48.5 | 8.326 | 644.9 | .2509 | 193.2 | 0 | 0 | | |
| 4:46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Bump Top Plug | |
| 4:46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Shutdown | |
| 4:46 | 48.51 | 8.326 | 674.4 | 899E-7 | 193.2 | 0 | 0 | | |
| 4:47 | 48.51 | 8.326 | 669.7 | 3219E-11 | 193.2 | 0 | 0 | | |
| 4:47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | End Job | |

| | | | | | | | | | |
|---|------------------------|------------------|-----------------------------------|-------------------------|---|---|-----|------------------------|----|
| Well Skinner-Neer #1-2 | | Field Hugoton | | Service Date 7/11/97 | | Customer MOBIL OIL CORP V39050079 | | Job Number 20006378 | |
| Time 24 hr clock | Cum/Vol bbl | Density ppg | Pressure psi | Pump bpm | Reset Volume bbl | Message | | | |
| Post Job Summary | | | | | | | | | |
| Average Pump Rates, bpm | | | | | Volume of Fluid Injected, bbl | | | | |
| Slurry | N2 | Mud | Maximum Rate | | Load Slurry | Tail Slurry | Mud | Spacer | N2 |
| 5.5 | 0 | 0 | 5.7 | | 122 | 122 | 0 | 0 | 0 |
| Treating Pressure Summary, psi | | | | | Breakdown Fluid | | | | |
| Maximum | Final | Average | Bump Plug to | Breakdown | Type | Volume | | Density | |
| 675 | 665 | 350 | 0 | 0 | | 0 bbl | | 0 lb/gal | |
| Avg. N2 Percent | Designed Slurry Volume | | Displacement | | <input checked="" type="checkbox"/> Cement Circulated to Surface? Volume 4s:7 bbl <input type="checkbox"/> Washed Thru Perfs To 0 ft 136 SKS | | | | |
| 0 | 0 bbl | | 46.7 bbl | | | | | | |
| Customer or Authorized Representative Russell Worley | | | Dowell Supervisor FICA BRENNON | | | <input type="checkbox"/> Circulation Lost <input checked="" type="checkbox"/> Job Completed | | | |

ORIGINAL