

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

API NO. 15-083-21,389,0000

ORIGINAL

Operator: License # 5701

Name: National Oil Company

Address P. O. Box 399

City/State/Zip Garden City, KS 67846

Purchaser: Texaco

Operator Contact Person: Michael Wreath

Phone (316) -275-2963

Contractor: Name: Emphasis Oil Operations

License: 8241

Wellsite Geologist: Scott Corsair

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SIOW 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 (SVD or Inj?) Docket No. _____

12/2/92 12/11/92 12-21-92
Spud Date Date Reached TD Completion Date

County Hodgeman

50' N & 50' E of
C - SE - _____ Sec. 11 Twp. 21S Rge. 25 X W

1370 Feet from X (circle one) Line of Section

1270 Feet from W (circle one) Line of Section

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

Lease Name Grass Well # 5

Field Name Stairett

Producing Formation Mississippian

Elevation: Ground 2298' KB 2303'

Total Depth 4422' PBSD _____

Amount of Surface Pipe Set and Cemented at 206 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 1533 Feet

If Alternate II completion, cement circulated from 1533

feet depth to surface w/ 340 sx cnt.

Drilling Fluid Management Plan PLT 2 3-5-93
(Data must be collected from the Reserve Pit)

Chloride content 44,000 ppm Fluid volume 175 bbls

Dewatering method used evaporated

Location of fluid disposal hauling offsite 3-3-93

Operator Name _____

Lease Name _____ License No. _____

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

County _____ Docket No. _____

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WICHITA, KS
MAR 03 1993

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 Scott Corsair

Title Geologist Date 2-25-93

Subscribed and sworn to before me this 25th day of February, 19 93.

Notary Public Stanley R Erb

Date Commission Expires 1-5-96

Stanley R. Erb
NOTARY PUBLIC
State of Kansas
My Appt. Expires 1-5-96

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

PI

Operator Name National Oil Company Lease Name Grass Well # 5

Sec. 11 Twp. 21S Rge. 25 East West County Hodgeman

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken Yes No
 (Attach Additional Sheets.)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy.)
 List All E.Logs Run:

Log Formation (Top), Depth and Datum Sample

| Name | Top | Datum |
|-------------|------|-------|
| Anhydrite | 1551 | +752 |
| Heebner | 3736 | -1433 |
| Lansing | 3782 | -1479 |
| Pawnee | 4264 | -1961 |
| Ft. Scott | 4305 | -2002 |
| Cherokee | 4331 | -2028 |
| Mississippi | 4409 | -2106 |
| Osage | | |

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 | 20 | 206 | 60/40poz | 135 | 2% gel 3% cc |
| production | 7 7/8 | 4 1/2 | 10.5 | 4412 | 60/40poz | 165 | 2% gel 10% salt 3/4% halad 322 |

ADDITIONAL CEMENTING/SQUEEZE RECORD

| Purpose: | Depth Top Bottom | Type of Cement | #Sacks Used | Type and Percent Additives |
|--|------------------|----------------|-------------|----------------------------|
| <input checked="" type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone | surface 1533 | HLC | 340 | 1/4# Flocele |

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

TUBING RECORD

Size 2 3/8 Set At 4400 Packer At _____ Liner Run Yes No

Date of First, Resumed Production, SMD or Inj. 12-21-92 Producing Method Flowing Pumping Gas Lift Other (Explain)

| Estimated Production Per 24 Hours | Oil | Bbls. | Gas | Mcf | Water | Bbls. | Gas-Oil Ratio | Gravity |
|-----------------------------------|-----|-------|-----|-----|-------|-------|---------------|---------|
| | 10 | | | | 150 | | | 38 |

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 4412
4422

15083.21389.0000

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

ORIGINAL

Drill-Stem Test Data

Well Name GRASS #5 Test No. 1 Date 12/9/92
 Company NATIONAL OIL COMPANY Zone CHEROKEE
 Address P.O. BOX 399 GARDEN CITY KS 67846 Elevation 2303
 Co. Rep./Geo. SCOTT CORSAIR Cont. EMPHASIS RIG #5 Est. Ft. of Pay _____
 Location: Sec. 11 Twp. 21S Rge. 25W Co. HODGEMAN State KS

Interval Tested 4355-4407 Drill Pipe Size 4.5" XH
 Anchor Length 52 Wt. Pipe I.D. - 2.7 Ft. Run 620
 Top Packer Depth 4350 Drill Collar - 2.25 Ft. Run _____
 Bottom Packer Depth 4355 Mud Wt. 8.9 lb/Gal.
 Total Depth 4407 Viscosity 44 Filtrate 9

Tool Open @ 8:20 PM Initial Blow WEAK-DIED IN 19 MINUTES

Final Blow WEAK -FLUSHED TOOL - NO HELP

Recovery - Total Feet 5

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

Flush Tool? YES
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BHT 113 °F Gravity _____ °API @ _____ °F Corrected Gravty _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides _____ ppm System

(A) Initial Hydrostatic Mud 2222.6 PSI AK1 Recorder No. 13754 Range 4000
 (B) First Initial Flow Pressure 46.2 PSI @ (depth) 4359 w / Clock No. 25828
 (C) First Final Flow Pressure 46.2 PSI AK1 Recorder No. 7437 Range 4200
 (D) Initial Shut-in Pressure 215.8 PSI @ (depth) 4403 w / Clock No. 8376
 (E) Second Initial Flow Pressure 46.2 PSI AK1 Recorder No. _____ Range _____
 (F) Second Final Flow Pressure 46.2 PSI @ (depth) _____ w / Clock No. _____
 (G) Final Shut-in Pressure _____ PSI Initial Opening 20 Final Flow 10
 (H) Final Hydrostatic Mud 2190.6 PSI Initial Shut-in 30 Final Shut-in 0

Our Representative DAN BANGLE

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

ORIGINAL

Well Name GRASS #5 Test No. 2 Date 12/10/92
Company NATIONAL OIL COMPANY Zone MISS
Address P.O. BOX 399 GARDEN CITY KS 67846 Elevation 2303
Co. Rep./Geo. SCOTT CORSAIR Cont. EMPHASIS RIG #5 Est. Ft. of Fay 6
Location: Sec. 11 Twp. 21S Rge. 25W Co. HODGEMAN State KS

Interval Tested 4413-4422 Drill Pipe Size 4.5" XH
Anchor Length 9 Wt. Pipe I.D. - 2.7 Ft. Run 620
Top Packer Depth 4408 Drill Collar - 2.25 Ft. Run _____
Bottom Packer Depth 4413 Mud Wt. 9 lb/Gal.
Total Depth 4422 Viscosity 45 Filtrate 8

Tool Open @ 7:42 AM Initial Blow WEAK - BUILDING TO 6.5"

Final Blow WEAK - BUILDING TO 2"

Recovery - Total Feet 248 Flush Tool? NO

Rec. 186 Feet of GAS IN PIPE
Rec. 124 Feet of CLEAN GASSY OIL
Rec. 62 Feet of MUD CUT GASSY OIL-10%GAS/70%OIL/20%MUD
Rec. 62 Feet of SLTLY OIL CUT GSY WTR-15%GAS/5%OIL/80%WTR
Rec. _____ Feet of _____

BHT 120 °F Gravity _____ °API @ _____ °F Corrected Gravity 39 °API
RW 0.2 @ 70 °F Chlorides 36000 ppm Recovery Chlorides _____ ppm System

(A) Initial Hydrostatic Mud 2290.6 PSI AK1 Recorder No. 13754 Range 4000
(B) First Initial Flow Pressure 19.6 PSI @ (depth) 4414 w / Clock No. 17639
(C) First Final Flow Pressure 46.2 PSI AK1 Recorder No. 7437 Range 4200
(D) Initial Shut-in Pressure 425.1 PSI @ (depth) 4418 w / Clock No. 25828
(E) Second Initial Flow Pressure 60.0 PSI AK1 Recorder No. _____ Range _____
(F) Second Final Flow Pressure 92.5 PSI @ (depth) _____ w / Clock No. _____
(G) Final Shut-in Pressure 427.1 PSI Initial Opening 30 Final Flow 45
(H) Final Hydrostatic Mud 2260.9 PSI Initial Shut-in 45 Final Shut-in 60

Our Representative DAN BANGLE

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WICHITA, KS



BULK MATERIALS DELIVERY AND TICKET CONTINUATION ORIGINAL

FOR INVOICE AND TICKET NO. **310070**

| | | | | |
|----------------------------------|--------------------|---|-----------------------------------|------------------------------|
| DATE 12-16-92 | CUSTOMER ORDER NO. | WELL NO. AND FARM #5 Grass | COUNTY Hodgeman | STATE Kansas |
| CHARGE TO National Oil | | OWNER Same: | CONTRACTOR Leon's Drig. | No. B 132595 |
| BILLING ADDRESS | | DELIVERED FROM Hays, Ks. | LOCATION CODE 25525 | PREPARED BY Beckee |
| CITY & STATE | | DELIVERED TO N/W Jetmore, Ks. | TRUCK NO. 3703 | RECEIVED BY <i>DR</i> |

| PRICE REFERENCE | SECONDARY REF. OR PART NO. | CODE | | DESCRIPTION | UNITS 1 | | UNITS 2 | | UNIT PRICE | AMOUNT | | |
|---|----------------------------|------|----|--------------------------------------|------------------------|--------------------|--------------------------|----------------------|------------|--------|-------|----|
| | | L | D | | QTY. | MEAS. | QTY. | MEAS. | | | | |
| 504-316 | | | 2B | Halliburton Light Cement | 340 | | | | 6.30 | 2,142 | 00 | |
| 507-210 | 890.50071 | | 2B | Flocele Blended | 85 | lb | | | 1.40 | 119 | 00 | |
| <div style="position: absolute; transform: rotate(-45deg); opacity: 0.5; font-size: 2em; font-weight: bold;">THIS IS NOT AN INVOICE</div> <div style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%); opacity: 0.5;"> KANSAS CONSERVATION COMMISSION MAR 6 1993 WICHITA, KS </div> | | | | | | | | | | | | |
| | | | | Returned Mileage Charge | TOTAL WEIGHT | LOADED MILES | TON MILES | | | | | |
| | | | | SERVICE CHARGE ON MATERIALS RETURNED | | | | CU. FEET. | | | | |
| 500-207 | | | 2B | SERVICE CHARGE | | | | 346 CU. FEET | 1.25 | 432 | 50 | |
| 500-306 | | | 2B | Mileage Charge | 31,433 TOTAL WEIGHT | 21 LOADED MILES | | 330,047 TON MILES | .85 | 280 | 54 | |
| No. B 132595 | | | | | | | CARRY FORWARD TO INVOICE | | SUB-TOTAL | | 2,974 | 04 |



WORK ORDER CONTRACT AND PRE-TREATMENT DATA

ORIGINAL

M 1908 R-7

A Division of Halliburton Company

ATTACH TO INVOICE & TICKET NO. 310070

TRICT: Pratt

DATE: 12-16-92

HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO: National Oil (CUSTOMER) AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING.

LL NO: 5 LEASE: Grass SEC: 11 TWP: 21S RANGE: 25W

LD: COUNTY: Hodgeman STATE: KS OWNED BY: Sam C

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION TYPE
FORMATION THICKNESS FROM TO
DRILLER: TYPE SET AT
TOTAL DEPTH MUD WEIGHT
CORE HOLE
TOTAL PROD: OIL BPD, H2O BPD, GAS MCF
ESSENTIAL PROD: OIL BPD, H2O BPD, GAS MCF

Table with columns: NEW USED, WEIGHT, SIZE, FROM, TO, MAX. ALLOW. P.S.I. Rows include CASING, LINER, TUBING, OPEN HOLE, PERFORATIONS.

PREVIOUS TREATMENT: DATE TYPE MATERIALS

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED

Cement Top outside thru Baker P.C. @ 1533'

CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES

As consideration, the above-named Customer agrees: THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

- a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list.
b) To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies...
c) That because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, Halliburton is unable to guarantee the effectiveness of the products, supplies or materials...
d) That Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials.
e) That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost...
f) To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.
g) That this contract shall be governed by the law of the state where services are performed or materials are furnished.
h) That Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

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I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT.

SIGNED: [Signature] CUSTOMER

DATE: 12-16-92

certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to services furnished under this contract.

TIME: 11:00 A.M. P.M.

CUSTOMER

WELL DATA

ELD _____ SEC. 11 TWP. 213 RING. 25W COUNTY Hodgeman STATE KS

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

CRACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

ISC. DATA P.C. @ 1533' TOTAL DEPTH _____

JOB DATA

TOOLS AND ACCESSORIES

| TYPE AND SIZE | QTY. | MAKE |
|---------------|------|------|
| SOAT COLLAR | | |
| SOAT SHOE | | |
| SLIDE SHOE | | |
| CENTRALIZERS | | |
| BOTTOM PLUG | | |
| TOP PLUG | | |
| LEAD | | |
| WICKER | | |
| OTHER | | |

| CALLED OUT | ON LOCATION | JOB STARTED | JOB COMPLETED |
|-------------------|-------------------|-------------------|-------------------|
| DATE <u>12-15</u> | DATE <u>12-16</u> | DATE <u>12-16</u> | DATE <u>12-16</u> |
| TIME _____ | TIME <u>1045</u> | TIME <u>1100</u> | TIME _____ |

PERSONNEL AND SERVICE UNITS

| NAME | UNIT NO. & TYPE | LOCATION |
|----------------------|-----------------|---------------------|
| <u>D. LEUAMAN</u> | <u>3580</u> | <u>Now City, KS</u> |
| <u>B. Crosswhite</u> | <u>Combin</u> | <u>Now City, KS</u> |
| <u>D. Ash</u> | <u>3703</u> | <u>Now City, KS</u> |
| | <u>B-TIK</u> | <u>Now City, KS</u> |

MATERIALS

HEAT. FLUID _____ DENSITY _____ LB/GAL-API

SPL. FLUID _____ DENSITY _____ LB/GAL-API

IOP. TYPE _____ SIZE _____ LB.

IOP. TYPE _____ SIZE _____ LB.

SLID TYPE _____ GAL _____ %

SLID TYPE _____ GAL _____ %

SLID TYPE _____ GAL _____ %

IRFACTANT TYPE _____ GAL _____ IN

AGENT TYPE _____ GAL _____ IN

LUID LOSS ADD. TYPE _____ GAL-LB. _____ IN

ELLING AGENT TYPE _____ GAL-LB. _____ IN

IC. RED. AGENT TYPE _____ GAL-LB. _____ IN

LEAKER TYPE _____ GAL-LB. _____ IN

LOCKING AGENT TYPE _____ GAL-LB. _____

RFAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

DEPARTMENT Cement

DESCRIPTION OF JOB Cement top annulus
prod. casing thru Baker P.C.

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE X [Signature]

HALLIBURTON OPERATOR [Signature] COPIES REQUESTED _____

CEMENT DATA

| STAGE | NUMBER OF SACKS | CEMENT | BRAND | BULK SACKED | ADDITIVES | YIELD CU.FT./SK. | MIXED LBS./GAL. |
|-------|-----------------|------------|--------------|-------------|-------------------------|--------------------|-----------------|
| | <u>390</u> | <u>HLC</u> | <u>Poz A</u> | <u>B</u> | <u>1/4 1/2 flocculo</u> | <u>MAR 03 1993</u> | <u>1.84</u> |
| | | | | | | | |
| | | | | | | | |

CONSERVATION DIVISION
 WICHITA, KS

PRESSURES IN PSI

SUMMARY

VOLUMES

REGULATING _____ DISPLACEMENT _____ PRESLUSH: BBL-GAL. _____ TYPE _____

BEAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL-GAL. _____ PAD: BBL-GAL. _____

PERFORMANCE _____ FRACTURE GRADIENT _____ TREATMENT: BBL-GAL. _____ DISPL: BBL-GAL. 6

5-MIN. _____ 15-MIN. _____ CEMENT SLURRY: BBL-GAL. 111 1/2

HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL-GAL. _____

AVAILABLE _____ USED _____

AVERAGE RATES IN BPM _____

DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

REASON _____

REMARKS See Job Log 7-11-92

CUSTOMER National Oil
 LEASE Cross
 WELL NO. 5
 JOB TYPE Cement
 DATE 12-16-92

JOB LOG

WELL NO. 5 LEASE Grass TICKET NO. 310020
 OPER. National Oil PAGE NO. 1
 JOB TYPE Cement Top outside Case DATE 12-16-92

FORM 2013 R-2

| CHART NO. | TIME | RATE (BPM) | VOLUME (BBL) (GAL) | PUMPS | | PRESSURE (PSI) | | DESCRIPTION OF OPERATION AND MATERIALS |
|-----------|------|------------|--------------------|-------|---|----------------|--------|--|
| | | | | T | C | TUBING | CASING | |
| | 1045 | | | | | | | On location - Rig getting ready to run tbg. ORIGINAL |
| | | | | | | | | Set up P.T. Tbg @ 1533 - P.C. located |
| | 1200 | | | | | | | Wait on WTR. |
| | 1250 | | | | | | | WTR tok on loc. |
| | 1305 | | | | | 250 | | Tst. casing. |
| | 1306 | | | | | 150 | | Open P.C. |
| | | 2 | 3 | | | 200 | | Pump H ₂ O - Blow on backside |
| | 1309 | 3 | | | | 350 | | Start 340 SKS HLC. 1/4" 15K flxelo |
| | | 3 | 5 | | | 300 | | Cir to surface @ 5 BBI Pumped |
| | | | 75 | | | 1000 | | Cut to surface |
| | | | 85 | | | 600 | | Shut down - Plug R4 + MH |
| | | 3 | | | | 550 | | Cut cut |
| | 1348 | 3 | 112 | | | 600 | | Fin cut - Start Displ immediately |
| | 1351 | 3 | 6 | | | 650 | | Fin Displ. |
| | 1352 | | | | | | | Close P.C. |
| | 1355 | | | | | 500 | | Tst casing - P.C. closed |
| | | | | | | | | Rig run 5atts tbg. |
| | 1404 | | | | | 375 | | Cir. hole clean down tbg. |
| | 1418 | | 35 | | | | | Hole clean - Rig pull tbg. |
| | 1420 | | | | | | | Wash up + Rack up. |
| | | | | | | | | Frank York |
| | | | | | | | | D. Lemmon 71718 |
| | | | | | | | | B. Coessakite 89543 |
| | | | | | | | | D. Ash E 1109 |
| | | | | | | | | # 3580 - P |
| | | | | | | | | # 3703 - P |
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2570 ~~1508~~ Cont of B.M.

| | | | | | |
|---|----------------------------|------------------------------------|---|--------------------------|---|
| WELL NO. - FARM OR LEASE NAME 5 Grass | | COUNTY Hodgeman | STATE Ks | CITY / OFFSHORE LOCATION | DATE 12-10-92 |
| HARGE TO NATIONAL Oil | | OWNER Same | TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/> | | NITROGEN JOB YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> |
| ADDRESS P.O. Box 399 | | CONTRACTOR Emphasis #3 | LOCATION 1 Ness City, Ks | | CODE 25553 |
| CITY, STATE, ZIP Garden City, Ks | | SHIPPED VIA 0818 3550 | FREIGHT CHARGES PPD <input type="checkbox"/> COLLECT <input type="checkbox"/> | | CODE 25525 |
| WELL TYPE D1 | WELL CATEGORY 01 | WELL PERMIT NO. B-132591 | DELIVERED TO NW/Tetnare, Ks | | CODE |
| TYPE AND PURPOSE OF JOB 035 | | ORDER NO. | REFERRAL LOCATION | | |

All consideration, the above-named Customer agrees to pay Halliburton in accord with the rates and terms stated in Halliburton's current price lists. Invoices payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ an attorney to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account. These terms and conditions shall be governed by the law of the state where services are performed or materials are furnished.

Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and customer's exclusive remedy, in any cause of action, (whether in contract, tort, product liability, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.

| PRICE REFERENCE | SECONDARY REF OR PART NO. | L O C. | ACCOUNT | DESCRIPTION | UNITS 1 | | UNITS 2 | | UNIT PRICE | AMOUNT |
|-----------------|---------------------------|--------|---------|------------------|---------|------|----------|------|------------|---------|
| | | | | | QTY | MEAS | QTY | MEAS | | |
| 100-117 | | 1 | | MILEAGE 3580 | 21 | mi | | | 2.60 | 54.60 |
| 101-011c | | 1 | | Pump Charge | 8 | HR | 14.22 | fl. | | 1300.00 |
| 118-315 | | 1 | | Mud Flush | 500 | gal | | | .60 | 300.00 |
| 90 | 802.93001 | 1 | | 5-1 Centralizers | 5 | ea | 4 1/2 in | | 43.00 | 215.00 |
| 80 | 855.128 | 1 | | Rocker Shoe | 1 | ea | 1 1/2 in | | | 2300.00 |
| 82 | 855.02545 | 1 | | Fill-Up Unit | 1 | ea | 1 in | | 15.00 | 15.00 |
| 320 | 800.8881 | 1 | | Cement Basket | 2 | ea | 4 1/2 in | | 85.00 | 170.00 |

THIS IS NOT AN INVOICE

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KANSAS CORPORATION
MAR 03 1993
COMMERCIAL DIVISION
WICHITA, KS

| | | | |
|--|--|--|--|
| AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. 2 B-132591 | | SUB TOTAL | |
| AS JOB SATISFACTORILY COMPLETED? _____ AS OPERATION OF EQUIPMENT SATISFACTORY? _____ AS PERFORMANCE OF PERSONNEL SATISFACTORY? _____ | | WE CERTIFY THAT THE FAIR LABOR STANDARDS ACT OF 1939, AS AMENDED HAS BEEN COMPLIED WITH IN THE PRODUCTION OF GOODS AND OR WITH RESPECT TO SERVICES FURNISHED UNDER THIS CONTRACT. <i>Ken Lawrence</i> HALLIBURTON OPERATOR HALLIBURTON APPROVAL <i>J.P. Lucas</i> CUSTOMER | |
| CUSTOMER OR HIS AGENT (PLEASE PRINT) <i>A.H. Lucas</i> CUSTOMER OR HIS AGENT (SIGNATURE) | | APPLICABLE TAXES WILL BE ADDED ON INVOICE. | |

TRICT Pratt, Ks

DATE 12-10-92

HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE

THE SAME AS AN INDEPENDENT CONTRACTOR TO: National Oil Co (CUSTOMER) AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

LL NO: S LEASE Grass SEC 11 TWP 21 S RANGE 25 W
LD _____ COUNTY Hodgeman STATE Ks OWNED BY SAWC

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

| FORMATION NAME | TYPE | NEW USED | WEIGHT | SIZE | FROM | TO | MAX. ALLOW. P.S.I. |
|----------------|------|----------|--------|-------|------|------|--------------------|
| CASING | | U | 10.5 | 4 1/2 | KB | 4112 | |
| LINER | | | | | | | |
| TUBING | | | | | | | |
| OPEN HOLE | | | | | 4112 | 4122 | SHOTS/FT. |
| PERFORATIONS | | | | | | | |
| PERFORATIONS | | | | | | | |
| PERFORATIONS | | | | | | | |

EVIDIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED _____

Cement prod casing as directed with 165 SKS 60/100 Hz, 10% sand, 3/4% Hclad 322, 1/4" 1st flange

MAR 03 1993
OFFICE
WICHITA DIVISION

CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES

As consideration, the above-named Customer agrees: THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

- a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. Invoices are payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ attorneys to enforce collection of said account, Customer agrees to pay all collection costs and all attorney fees in the amount of 20% of the amount of the unpaid account.
- b) To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorneys fees, and costs of defense to the extent permitted by law for:
 1. Damage to property owned by, in the possession of, or leased by Customer, and/or the well owner (if different from Customer), including, but not limited to, surface and subsurface damage. The term "well owner" shall include working and royalty interest owners.
 2. Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
 3. Personal injury or death or property damage (including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout or the use of radioactive material.

The defense, indemnity, release and hold harmless obligations of Customer provided for in this Section b) and Section c) below shall apply to claims or liability even if caused or contributed to by Halliburton's negligence, strict liability, or the unseaworthiness of any vessel owned, operated, or furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton whether in the preparation, design, manufacture, distribution, or marketing thereof, or from a failure to warn any person of such defect. Such defense, indemnity, release and hold harmless obligations of Customer shall not apply where the claims or liability are caused by the gross negligence or willful misconduct of Halliburton. The term "Halliburton" as used in said Sections b) and c) shall mean Halliburton, its divisions, subsidiaries, parent and affiliated companies, and the officers, directors, employees, agents and servants of all of them.
- c) That because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, Halliburton is unable to guarantee the effectiveness of the products, supplies or materials, nor the results of any treatment or service, nor the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by Halliburton. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for and Customer shall indemnify Halliburton against any damages arising from the use of such information.
- d) That Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.
- e) That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for marine operations, Customer shall, in addition to the foregoing, be fully responsible for loss of or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at the landing until returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.
- f) To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.
- g) That this contract shall be governed by the law of the state where services are performed or materials are furnished.
- h) That Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT.

SIGNED Scott Coran CUSTOMER

DATE 12-10-92

TIME 1800 A.M. P.M.

I certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to services furnished under this contract.

CUSTOMER

WELL DATA

LD. SEC. 11 TWP. 21S RNG. 25W COUNTY Hodgeman STATE Ks.

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____

ESSENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

CRACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

LOG DATA TOTAL DEPTH 7422

JOB DATA

| CALLED OUT | ON LOCATION | JOB STARTED | JOB COMPLETED |
|-------------------|-------------------|-------------------|-------------------|
| DATE <u>12-10</u> | DATE <u>12-10</u> | DATE <u>12-10</u> | DATE <u>12-11</u> |
| TIME _____ | TIME <u>1745</u> | TIME <u>1945</u> | TIME <u>2000</u> |

PERSONNEL AND SERVICE UNITS

| NAME | UNIT NO. & TYPE | LOCATION |
|----------------------|-----------------|------------------------|
| <u>D. Lemman</u> | <u>3580</u> | <u>Nloss City, Ks.</u> |
| <u>B. Crosswhite</u> | <u>Combo</u> | <u>Nloss City, Ks.</u> |
| <u>A. Golob</u> | <u>0818</u> | <u>Nloss City, Ks.</u> |
| | <u>B-TK</u> | <u>Nloss City, Ks.</u> |

TOOLS AND ACCESSORIES

| TYPE AND SIZE | QTY. | MAKE |
|--------------------|----------------------------|----------------|
| <u>Part Collar</u> | <u>1</u> | <u>Comdet.</u> |
| JOINT SHOE | | |
| IDE SHOE | | |
| TRIALIZERS | <u>5-11</u> | |
| TOP PLUG | | |
| PLUG | <u>3W Latch Down</u> | <u>1</u> |
| AD | <u>4 1/2</u> | <u>1</u> |
| CRACKER | <u>Shoe + fill-up Unit</u> | <u>1</u> |
| WEIR | <u>Cement Basket</u> | |

MATERIALS

EAT. FLUID _____ DENSITY _____ LB/GAL. API _____

FL. FLUID _____ DENISTY _____ LB/GAL. API _____

DP. TYPE _____ SIZE _____ LB. _____

DP. TYPE _____ SIZE _____ LB. _____

ID TYPE _____ GAL. _____ % _____

ID TYPE _____ GAL. _____ % _____

ID TYPE _____ GAL. _____ % _____

REFRACTANT TYPE _____ GAL. _____ IN. _____

AGENT TYPE _____ GAL. _____ IN. _____

WID LOSS ADD. TYPE _____ GAL.-LB. _____ IN. _____

EMULSIFYING AGENT TYPE _____ GAL.-LB. _____ IN. _____

C. RED. AGENT TYPE _____ GAL.-LB. _____ IN. _____

CRACKER TYPE _____ GAL.-LB. _____ IN. _____

DRILLING AGENT TYPE _____ GAL.-LB. _____ IN. _____

DIFFUSION BALLS TYPE _____ QTY. _____

WEIR _____

WEIR _____

DEPARTMENT Cement

DESCRIPTION OF JOB Cement prod casing

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE X D. Lemman

HALLIBURTON OPERATOR Don Lemman COPIES REQUESTED _____

CEMENT DATA

| STAGE | NUMBER OF SACKS | CEMENT | BRAND | BULK SACKED | ADDITIONS | YIELD CU.FT./SK. | MIXED LBS./GAL. |
|-------|-----------------|------------------|----------|-------------|---|------------------|-----------------|
| | <u>165</u> | <u>60/10 Poz</u> | <u>A</u> | <u>B</u> | <u>2 Hsgel, 10% salt, 2 1/2% Hsgel 322, 1/4 Hsgel</u> | <u>1.30</u> | <u>1454</u> |

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 KANSAS CORPORATION COMMISSION
 MAR 03 1993

PRESSURES IN PSI

SUMMARY

CULATING _____ DISPLACEMENT _____ PRESLUSH BBL-GAL. 2 TYPE Mud Wash

WEAR DOWN _____ MAXIMUM _____ LOAD & BKDN: BBL-GAL. _____ PAD: BBL-GAL. _____

FRACURE _____ FRACTURE GRADIENT _____ TREATMENT: BBL-GAL. _____ DISPL. BBL-GAL. 70

TESTING: INSTANT _____ 5-MIN. _____ 15-MIN. _____ CEMENT SLURRY: BBL-GAL. 38 1/4

TESTED _____ AVAILABLE _____ USED _____ TOTAL VOLUME: BBL-GAL. _____

AVERAGE RATES IN BPM _____

TESTING _____ DISPL. _____ OVERALL _____ CEMENT LEFT IN PIPE _____

TEST 15 1/2 REASON Shoe Joint

REMARKS

CUSTOMER: National Oil
 LEASE: CROSS
 WELL NO.: 5
 JOB TYPE: CEMENT
 DATE: 12-10-92

HALLIBURTON SERVICES
JOB LOG

WELL NO. 5 LEASE Grass TICKET NO. 310067
 CUS. MER. National Oil PAGE NO. 1
 JOB TYPE Cement prod. casing DATE 12-10-92

FORM 2013 R-2

| CHART NO. | TIME | RATE (BPM) | VOLUME (BBL) (GAL) | PUMPS | | PRESSURE (PSI) | | DESCRIPTION OF OPERATION AND MATERIALS |
|-----------|------|------------|--------------------|-------|---|----------------|--------|--|
| | | | | T | C | TUBING | CASING | |
| | 1745 | | | | | | | On location - Rig laying down D.P. |
| | 1830 | | | | | | | Fin. laying down D.P. |
| | 1945 | | | | | | | Start 4 1/2" casing - PKR shoe with fill-up on bottom - Latch down baffle 1st collar |
| | | | | | | | | Cent on JTs 1-4-5-8-76 |
| | | | | | | | | Baskets on Jts 5 & 77 |
| | | | | | | | | JTs # 2, 3, 6, 19, 70 out of string |
| | | | | | | | | Port Collar on Jt. 77 |
| | 2000 | | | | | | | Tong let broke down - on Jt. # 7 |
| | 2145 | | | | | | | Continue running casing |
| | | | | | | | | Drop fill-up ball 10 JTs off bottom |
| | 2325 | | | | | | | Rig fin running casing |
| | | | | | | | | Jet collar & land casing 10' off bottom |
| | 2345 | | | | | 800 | | Start cir. casing - (Rig) Bull line @ 800 # |
| | 2350 | | | | | | | Drop PKR shoe ball - Rig pump down |
| | 2400 | | | | | 1200 | | PKR shoe set 1200 # - Hook to Hawk |
| | 0005 | 5 | 12 | | | 300 | | Pump 500 gal mud flush |
| | 0010 | 5 | | | | 350 | | Shot 165 sks 60/100 Per, 2% gel, 10% salt, 3/4% Haled 372, 1/4" floccle. |
| | 0017 | | 38 | | | 200 | | Fin cut, - wash out Pump & lines |
| | | | | | | | | Release 3W latch down Plug |
| | 0021 | 8 | | | | 200 | | Start Disp. |
| | | 6 | 18 | | | 200 | | Caught press - Show rate |
| | | 3 | 64 | | | 650 | | Show rate |
| | 0031 | | 70 | | | 600 | | Plug down |
| | 0038 | | | | | 1200 | | Release press - (Hold) |
| | 0045 | | | | | | | Wash up & Pack up |
| | 0100 | | | | | | | Job Complete |

ORIGINAL

RECEIVED
 D. LAMMAN 21718
 PRESS WHITE 895413
 A. FABLE 88686
 MAR 03 1993 #3550-P
 #0915-P
 CONSERVATION DIVISION
 WICHITA, KS



BULK MATERIALS DELIVERY AND TICKET CONTINUATION

FOR INVOICE AND
TICKET NO. **310059**

| | | | | |
|--------------------------------------|--------------------|--|-------------------------------------|-----------------------------------|
| DATE 12-3-92 | CUSTOMER ORDER NO. | WELL NO. AND FARM Gross #5 | COUNTY Ness | STATE Kansas |
| CHARGE TO American Warrior | | OWNER Same | CONTRACTOR Emphasis Drlg. | No. B 132579 |
| BILLING ADDRESS | | DELIVERED FROM Hays, Ks | LOCATION CODE 25525 | PREPARED BY Kuhn |
| CITY & STATE | | DELIVERED TO S/W Ness City, Ks | TRUCK NO. 4604 | RECEIVED BY <i>[Signature]</i> |

| PRICE REFERENCE | SECONDARY REF. OR PART NO. | CODE | | DESCRIPTION | UNITS 1 | | UNITS 2 | | UNIT PRICE | AMOUNT | | |
|---|----------------------------|--------------------------|----|--------------------------------------|--------------|-----------|---------|----------|------------|--------|-----|----|
| | | L | D | | QTY. | MEAS. | QTY. | MEAS. | | | | |
| | | | | 135Cu. Ft. Pozmix Cement 2% Gel | | | | | | | | |
| 504-308 | 516.00261 | | 2B | Standard Cement | 81 | | | | 6.56 | 531 | 36 | |
| 506-105 | 516.00286 | | 2B | Pozmix 'A' | 3996 | lb | | | .052 | 207 | 79 | |
| 506-121 | 516.00259 | | 2B | 2sk Halliburton Gel@2% | | | | | | | n/c | |
| 509-406 | 890.50812 | | 2B | Calcium Chloride Blended | 3 | | | | 26.50 | 79 | 50 | |
| <div style="position: absolute; opacity: 0.5; font-size: 4em; transform: rotate(-45deg); pointer-events: none;">THIS IS NOT AN INVOICE</div> <div style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%); border: 1px solid black; padding: 5px;"> <p style="text-align: center;">REC'D KANSAS CORPORATION MAR 0 1993 CONSERVATION DIVISION WICHITA KS</p> </div> | | | | | | | | | | | | |
| | | | | Returned Mileage Charge | | | | | | | | |
| | | | | TOTAL WEIGHT | LOADED MILES | TON MILES | | | | | | |
| | | | | SERVICE CHARGE ON MATERIALS RETURNED | | | | CU. FEET | | | | |
| 500-207 | | | 2B | SERVICE CHARGE | | | | 141 | 1.15 | 162 | 15 | |
| 500-306 | | | 2B | Mileage Charge | 12,050 | 21 | | 126,525 | .80 | 101 | 22 | |
| No. B 132579 | | CARRY FORWARD TO INVOICE | | | | | | | SUB-TOTAL | | 902 | 02 |

CUSTOMER

STRICT Roatt, Ks.

DATE 12-3-92

HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE

THE SAME AS AN INDEPENDENT CONTRACTOR TO: NATIONAL OIL CO. (CUSTOMER)
AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. 5 LEASE Grass SEC. 11 TWP. 21 S RANGE 25 W

LD COUNTY Hodgeman STATE Ks. OWNED BY STUAC

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

| FORMATION NAME | TYPE | NEW USED | WEIGHT | SIZE | FROM | TO | MAX. ALLOW. P.S.I. |
|----------------|------|----------|-------------|--------------|-----------|-------------|--------------------|
| CASING | | <u>U</u> | <u>70 #</u> | <u>8 5/8</u> | <u>PB</u> | <u>206'</u> | |
| LINER | | | | | | | |
| TUBING | | | | | | | |
| OPEN HOLE | | | | | | | SHOTS/FT. |
| PERFORATIONS | | | | | | | |
| PERFORATIONS | | | | | | | |
| PERFORATIONS | | | | | | | |

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS KANCO

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED _____

Sealant Surface as directed

MAR 03 1993
CONSERVATION DIVISION

CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES.

As consideration, the above-named Customer agrees: THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

- a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. Invoices are payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ attorneys to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account.
- b) To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorneys fees, and costs of defense to the extent permitted by law for:
 1. Damage to property owned by, in the possession of, or leased by Customer, and/or the well owner (if different from Customer), including, but not limited to, surface and subsurface damage. The term "well owner" shall include working and royalty interest owners.
 2. Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
 3. Personal injury or death or property damage (including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout or the use of radioactive material.

The defense, indemnity, release and hold harmless obligations of Customer provided for in this Section b) and Section c) below shall apply to claims or liability even if caused or contributed to by Halliburton's negligence, strict liability, or the unseaworthiness of any vessel owned, operated, or furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton whether in the preparation, design, manufacture, distribution, or marketing thereof, or from a failure to warn any person of such defect. Such defense, indemnity, release and hold harmless obligations of Customer shall not apply where the claims or liability are caused by the gross negligence or willful misconduct of Halliburton. The term "Halliburton" as used in said Sections b) and c) shall mean Halliburton, its divisions, subsidiaries, parent and affiliated companies, and the officers, directors, employees, agents and servants of all of them.
- c) That because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, Halliburton is unable to guarantee the effectiveness of the products, supplies or materials, nor the results of any treatment or service, nor the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by Halliburton. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for and Customer shall indemnify Halliburton against any damages arising from the use of such information.
- d) That Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.
- e) That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for marine operations, Customer shall, in addition to the foregoing, be fully responsible for loss of or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at the landing until returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.
- f) To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.
- g) That this contract shall be governed by the law of the state where services are performed or materials are furnished.
- h) That Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT.

SIGNED: Bill Given CUSTOMER

DATE 12-3-92

TIME 2:30 P.M.

I certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to services furnished under this contract.

CUSTOMER

HALLIBURTON SERVICES
JOB LOG

WELL NO. 51 LEASE Grass TICKET NO. 310059
 CL. OMER National Oil Co. PAGE NO. 1
 JOB TYPE Cement Surface DATE 12-3-92

FORM 2013 R-2

| CHART NO. | TIME | RATE (BPM) | VOLUME (BBL) (GAL) | PUMPS | | PRESSURE (PSI) | | DESCRIPTION OF OPERATION AND MATERIALS |
|-----------|------|------------|--------------------|-------|---|----------------|--------|---|
| | | | | T | C | TUBING | CASING | |
| | 0130 | | | | | | | On loc. Rig dily (@ 60') to 206' Set up P.T. Rig in Dily. - cir hole Pull D.P. |
| | 0500 | | | | | | | Start run 8 5/8" casing |
| | 0530 | | | | | | | Casing on bottom |
| | 0540 | | | | | | | Hook up & Rig Cit. |
| | 0600 | | | | | | | Fin cir - Hook up Hacer |
| | 0604 | 5 | | | | 475 | | Start 135 SKS 60/10 Pz 2% gel, 3% C.C. |
| | 0610 | | 31 | | | 500 | | Fin cont. Release 2wp T Plug |
| | 0613 | | | | | 350 | | Start Displ. |
| | 0615 | | 12 1/4 | | | 400 | | Fin Displ. |
| | 0620 | | | | | | | Wash up & Rehook up (Cement in cellar) Hook up |
| | | | | | | | | D. Lubricant 21718 B. Crosswhite 89543 D. Detergent 80022 # 3580-D # 4604-D |

RECEIVED
KANSAS CONSERVATION COMMISSION

MAR 03 1993

CONSERVATION DIVISION
WICHITA, KS

CUSTOMER

WELL DATA

LD. _____ SEC. 11 TWP. 21 S RING. 2-5 W COUNTY. Madras STATE Mo.

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

TIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

ESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

MPLETION DATE _____ MUD TYPE _____ MUD WT. _____

CKER TYPE _____ SET AT _____

TTOM HOLE TEMP. _____ PRESSURE _____

IC. DATA _____ TOTAL DEPTH 206'

| | NEW USED | WEIGHT | SIZE | FROM | TO | MAXIMUM PSI ALLOWABLE |
|--------------|----------|--------|-------|------|-----|-----------------------|
| CASING | 4 | 20 | 5 5/8 | KB | 206 | |
| LINER | | | | | | |
| TUBING | | | | | | |
| OPEN HOLE | | | | | | SHOTS/FT. |
| PERFORATIONS | | | | | | |
| PERFORATIONS | | | | | | |
| PERFORATIONS | | | | | | |

JOB DATA

| CALLED OUT | ON LOCATION | JOB STARTED | JOB COMPLETED |
|------------------|------------------|------------------|------------------|
| DATE <u>12-2</u> | DATE <u>12-3</u> | DATE <u>12-3</u> | DATE <u>12-3</u> |
| TIME <u>2330</u> | TIME <u>0130</u> | TIME <u>0500</u> | TIME <u>0615</u> |

PERSONNEL AND SERVICE UNITS

| NAME | UNIT NO. & TYPE | LOCATION |
|----------------------|-----------------|-----------------------|
| <u>D. Lemmon</u> | <u>3580</u> | <u>Nass City, Mo.</u> |
| <u>B. Crosswhite</u> | <u>Cambro</u> | <u>Nass City, Mo.</u> |
| <u>D. Dabrato</u> | <u>11051</u> | <u>Mo.</u> |
| | <u>B-Tek</u> | <u>Mo.</u> |

TOOLS AND ACCESSORIES

| TYPE AND SIZE | QTY. | MAKE |
|----------------------|----------|--------------|
| JOINT COLLAR | | |
| JOINT SHOE | | |
| IDE SHOE | | |
| NTRALIZERS | | |
| TTOM PLUG | | |
| P PLUG <u>7 comp</u> | <u>1</u> | <u>Hawco</u> |
| AD <u>5 5/8</u> | <u>1</u> | <u>Hawco</u> |
| CKER | | |
| HER | | |

MATERIALS

EAT. FLUID _____ DENSITY _____ LB/GAL. API _____

PL. FLUID _____ DENSITY _____ LB/GAL. API _____

OP. TYPE _____ SIZE _____ LB.

OP. TYPE _____ SIZE _____ LB.

ID TYPE _____ GAL. _____ %

ID TYPE _____ GAL. _____ %

ID TYPE _____ GAL. _____ %

RFRACTANT TYPE _____ GAL. _____ IN

AGENT TYPE _____ GAL. _____ IN

JID LOSS ADD. TYPE _____ GAL.-LB. _____ IN

LLING AGENT TYPE _____ GAL.-LB. _____ IN

C. RED. AGENT TYPE _____ GAL.-LB. _____ IN

EAKER TYPE _____ GAL.-LB. _____ IN

CKING AGENT TYPE _____ GAL.-LB. _____ IN

RFAC BALLS TYPE _____ QTY. _____

HER _____

HER _____

DEPARTMENT Leominster

DESCRIPTION OF JOB Cement surface casing to ground level.

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE X Bill Owen

HALLIBURTON OPERATOR Alvin P. ... COPIES REQUESTED _____

CEMENT DATA

| STAGE | NUMBER OF SACKS | CEMENT | BRAND | BULK SACKED | YIELD CU.FT./SK. | MIXED LBS./GAL. |
|-------|-----------------|--------------|--------------|-------------|------------------------------|-----------------|
| | <u>135</u> | <u>60/40</u> | <u>Poz A</u> | <u>B</u> | <u>2 1/2 gal, 3 1/2 C.C.</u> | <u>1.28</u> |
| | | | | | | <u>14.36</u> |

REGISTERED
KANSAS CORPORATION COMMISSION
MAR 03 1997

PRESSURES IN PSI

SUMMARY

ICULATING _____ DISPLACEMENT _____ PRESLUSH: BBL-GAL _____ TYPE _____

EAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL-GAL _____ PAD: BBL-GAL _____

ERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL-GAL _____ DISP: BBL-GAL 12 1/4

UT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____ CEMENT SLURRY: BBL-GAL 30 3/4

DERED _____ AVAILABLE _____ USED _____ TOTAL VOLUME: BBL-GAL _____

AVERAGE RATES IN BPM _____ REMARKS _____

EATING _____ DISPL _____ OVERALL _____

ET 20' REASON Requested

CUSTOMER: Nass City, Mo.
LEASE: STASS
WELL NO.: 5
JOB TYPE: Cement Surface
DATE: 12-3-92