

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

ORIGINAL

API NO. 15- 175-21315-00-00

County Seward

- NW - 1/4 Sec. 14 Twp. 33S Rge. 34 E

Operator: License # 6120

Name: Cabot Oil & Gas Corporation

Address 9400 N. Broadway, Suite 608

City/State/Zip Oklahoma City, OK 73114

Purchaser: Cabot Oil & Gas Marketing Corporation

Operator Contact Person: Jim R. Pendergrass

Phone (405) 478-6500

Contractor: Name: H-40 Drilling, Inc.

License: 30692

Wellsite Geologist:

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD SIOV Temp. Abd.
 Gas ENHR SIGW CONSERVATION DIVISION
 Dry Other (Core, WSW, Expl., Cathodic, etc) Wichita, Kansas

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

5/18/93 5/21/93 6/10/93
Spud Date Date Reached TD Completion Date

4030 Feet from NW (circle one) Line of Section

4030 Feet from EW (circle one) Line of Section

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

Lease Name MADDOX Well # 2-14

Field Name Hugoton (Infill)

Producing Formation Chase

Elevation: Ground 2876' KB 2888'

Total Depth 2825' PBD 2768'

Amount of Surface Pipe Set and Cemented at 763 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set Feet

Alternate II completion, cement circulated from

Depth to w/ sx cnt.

Drilling Fluid Management Plan Alt 1 7-20-93
(Data must be collected from the Reserve Pit)

Chloride content ppm Fluid volume bbls

Dewatering method used

Location of fluid disposal if hauled offsite:

Operator Name

Lease Name License No.

Quarter Sec. Twp. S Rng. E/W

County Docket No.

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 James R. Henry JAMES R. HENRY
Date 7/8/93
Subscribed and sworn to before me this 8th day of July,
1993
Notary Public Carrie B. Turner
Date Commission Expires September 2, 1996

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

SIDE TWO

Operator Name Cabot Oil & Gas Corporation Lease Name MADDUX Well # 2-14
 Sec. 14 Twp. 33S Rge. 34 East County Seward
 West

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 checked="" type="checkbox"/> Log | Formation (Top), Depth and Datums | <input type="checkbox"/> Sample |
| Samples Sent to Geological Survey | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Name | Top | Datum |
| Cores Taken | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Herrington | 2582' | |
| Electric Log Run (Submit Copy.) | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | U. Krider | 2610' | |
| List All E.Logs Run: | | L. Krider | 2644' | |
| | | Winfield | 2692' | |
| | | Ft. Riley | 2746' | |
| GR/CBL/CCL | | | | |

| CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used | | | | | | | |
|---|-------------------|---------------------------|-----------------|---------------|----------------|--------------|----------------------------|
| Report all strings set-conductor, surface, intermediate, production, etc. | | | | | | | |
| Purpose of String | Size Hole Drilled | Size Casing Set (In O.D.) | Weight Lbs./Ft. | Setting Depth | Type of Cement | # Sacks Used | Type and Percent Additives |
| Surface | 12-1/4" | 8-5/8" | 24# | 763' | Lite Prem H | 235 150 | 2% cc 2% cc |
| Production | 7-7/8" | 4-1/2" | 10.5# | 2823' | Lite Prem Plus | 320 160 | 2% cc 2% cc |

| 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 |
| 4 | Upper Krider | 2612'-2621' | Acidize Krider w/1000 gals 15% HCl | 2612'-2621' |
| | | | Frac Chase w/66700 gals 70Q WF120 Foam + 75000# 20/20 Colorado Slick sand + 1750 gals 70Q WF120 Flush + 607170 SCF N2 | |

| | | | | |
|--|--|-----------------|-------------|--|
| TUBING RECORD | Size 2-3/8" | Set At 2702' | Packer At | Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Date of First, Resumed Production, SWD or Inj. WOPL | Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) | | | |
| Estimated Production Per 24 Hours | Oil Bbls. | Gas Mcf | Water Bbls. | Gas-Oil Ratio Gravity |

Disposition of Gas: Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled

METHOD OF COMPLETION Production Interval

JUL 02 '93 12:40PM HALLIBURTON LIBERAL AND

HALLIBURTON SERVICES

A Division of Halliburton Company

TICKET CONTINUATION

FOR INVOICE AND TICKET NO. 318262

ORIGINAL

P. 2 of 2

| | | | | |
|---|--------------------|--|------------------------------------|------------------------|
| DATE 5-18-93 | CUSTOMER ORDER NO. | WELL NO. AND FARM Radox 2-14 | COUNTY Seward | STATE KANSAS |
| DARGE TO Cobot | | OWNER same | CONTRACTOR B-40 #1 | |
| DELIVERED FROM Regoton, Kansas | | LOCATION CODE 025535 | PREPARED BY Don Phillips | |
| DELIVERED TO R/ Regoton, Kansas | | TRUCK NO. | RECEIVED BY Jim Yorum | |
| NO. B 171647 | | | | |

| PRICE REFERENCE | SECONDARY REF. OR PART NO. | CODE | | DESCRIPTION | UNITS 1 | | UNITS 2 | | UNIT PRICE | AMOUNT | |
|-----------------|----------------------------|------|---|---------------------------|---------|-------|---------|-------|------------|--------|----|
| | | L | D | | QTY. | MEAS. | QTY. | MEAS. | | | |
| 504-043 | 516.00272 | 2 | B | Premium Cement | 150 | sk | | | 8.69 | 1,303 | 50 |
| 904-139 | | 2 | B | Halliburton Light Cement | 235 | sk | | | 7.89 | 1854 | 15 |
| 507-210 | 890.50071 | 2 | B | Flocals B/ 1/2 W/ 235 | 58 | lb | | | 1.40 | 82 | 60 |
| 509-406 | 890.50812 | 2 | B | Calcium chloride B/ 20 W/ | 7 | sk | | | 28.25 | 197 | 75 |

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STATE CORPORATION COMMISSION
JUL 2 1993
CONSERVATION DIVISION
Wichita, Kansas

| | | | | | | | |
|---------------|---|-------------------------------|--------------------------------------|--------------|-----------|--------------------------|-------------------|
| | | Returned M/Gross Charge | TOTAL WEIGHT | LOADED MILES | TON MILES | | |
| | | | SERVICE CHARGE ON MATERIALS RETURNED | | | CU. FEET | |
| 1-307 | 2 | B | SERVICE CHARGE | | | 403 | 1.25 503 75 |
| 1-306 | 2 | B | 36,393 M/Gross Charge | 22 | | 400.213 | .85 340 18 |
| 171647 | | | TOTAL WEIGHT | LOADED MILES | TON MILES | .85 | 340 18 |
| | | | | | | CARRY FORWARD TO INVOICE | SUB-TOTAL |
| | | | | | | | 4281 73 |

M 1908 R-7

A Division of Halliburton Company

ATTACH TO INVOICE & TICKET NO. **3452625**

TRICT Liberal **ORIGINAL** DATE 5/12/93

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

LL NO. 2-14 LEASE Maddox SEC. 14 TWP. 33S RANGE 34W

D COUNTY Seward STATE Ka OWNED BY Some

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 | 24 | 8 5/8 | KB | 763 | 1,000 |
| LINER | | | | | | | |
| TUBING | | | | | | | |
| OPEN HOLE | | | | 12 1/4 | KB | 760 | SHOTS/FT. |
| PERFORATIONS | | | | | | | |
| PERFORATIONS | | | | | | | |
| PERFORATIONS | | | | | | | |

PREVIOUS TREATMENT: DATE TYPE MATERIALS

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

MT surf with 235 sk. Prem Lite w/ 2% CC, 1/4 %/sk Floccle
150 sk Prem w/ 2% CC.

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 STATE CORPORATION COMMISSION

JUL 12 1993

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**

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 banked 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.

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 materials.

The defense, indemnity, release and hold harmless obligations of Customer provided for in this Section b) and Section a) below shall apply to claims or liability even if caused or contributed to by Halliburton's negligence, strict liability, or the unreasonable 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 a) shall mean Halliburton, its divisions, subsidiaries, parent and affiliated companies, and the officers, directors, employees, agents and servants of all of them.

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.

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.

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 routine 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 occur 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.

To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.

That this contract shall be governed by the law of the state where services are performed or materials are furnished.

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 [Signature] CUSTOMER

DATE 5/12/93

TIME 4:00 A.M. (P.M.)

warranty 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.

FIELD OFFICE

Liberal

ORIGINAL

WELL DATA

WELL DATA

WELL NO. 14 TWP. 33S R. 34W COUNTY Seward STATE KN

| NEW LOGS | WEIGHT | SIZE | FROM | TO | MAXIMUM PER ALLOWABLE |
|--------------|--------|--------|------|-----|-----------------------|
| CASING | 24 | 8 7/8 | KB | 763 | 1,000 |
| LINER | | | | | |
| TUBING | | | | | |
| OPEN HOLE | | 12 1/4 | KB | 760 | SHOTS/FT. |
| PERFORATIONS | | | | | |
| PERFORATIONS | | | | | |
| PERFORATIONS | | | | | |

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD. CE. _____ SPD. WATER _____ SPD. GAS _____ MCFD

PRESENT PROD. CE. _____ SPD. WATER _____ SPD. GAS _____ MCFD

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

WELLER TYPE _____ SET AT _____

STATION HOLE TEMP. _____ PRESSURE _____

LOG DATA _____ TOTAL DEPTH _____

JOB DATA

| CALLED OUT | ON LOCATION | JOB STARTED | JOB COMPLETED |
|------------|-------------|-------------|---------------|
| DATE 5/18 | DATE 5/18 | DATE 5/18 | DATE 5/18 |
| TIME 13:30 | TIME 16:30 | TIME 20:20 | TIME 21:00 |

PERSONNEL AND SERVICE UNITS

| NAME | UNIT NO. & TYPE | LOCATION |
|-------------|-----------------|------------|
| J. Yocum | 00547 | CEMENTER |
| L. Williams | 09591 | 53435/8408 |
| | 75764 | P |
| K. Mayers | 59018 | 3675/75817 |
| | 660 | P Hugoton |
| Thomas | F5901 | 4461/4734 |
| | 660 | P |

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JUL 12 1993

CONSERVATION DIVISION

Wichita, Kansas

DEPARTMENT Cmt

DESCRIPTION OF JOB Surf

JOB DONE THRU TUBING CASING ANNULUS TEG/ANN.

CUSTOMER REPRESENTATIVE X Carl Coway

HALLIBURTON OPERATOR Jim Yocum COPIES REQUESTED 1

CEMENT DATA

| DATE | NUMBER OF SACKS | WATER | CEMENT | WATER | WATER | ADDITIONS | YIELD CUFT/SK | WATER LBS/SK |
|------|-----------------|-------|--------|-------|-------|------------------|---------------|--------------|
| 1 | 235 | Prem | Lite | B | 2% CC | 1/4 #/sk Floccle | 1.97 | 12.5 |
| 2 | 150 | Prem | | B | 2% CC | RELEASED | 1.06 | 16.4 |

PRESSURES IN PSI

SUMMARY

SEP 6 1994 VOLUMES

CULATING _____ DEPLACEMENT _____

WANDOWN _____ MAXIMUM _____

GRADE _____ FRACTURE GRADIENT _____

FT-IN INSTANT _____ 5-MIN _____ 15-MIN _____

HYDRAULIC HORSEPOWER _____

USED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM _____

ATWS _____ DEPL _____ OVERALL _____

CEMENT LEFT IN PIPE _____

45 REASON Rattle

PRELUBR. BBL-GAL _____ TYPE _____

LOAD & BNDH. BBL-GAL _____

TREATMENT: BBL-GAL _____ DEPL. BBL-GAL 45.5

CEMENT SLURRY: BBL-GAL 1) 82.5 2) 28.5

TOTAL VOLUME BBL-GAL _____

REMARKS 45 BBL CMT Returns to P. +

Cabot 0.1 + Gas
 Maddox
 2-14
 5/18/93

HALLIBURTON SERVICES
A Division of Halliburton Company

ORIGINAL AND TICKET CONTINUATION

FOR INVOICE AND TICKET NO. 345233

| | | | | |
|------------------------------------|---------------------------|-----------------------------------|-------------------------|-----------------------------|
| DATE 05-21-93 | CUSTOMER ORDER NO. KCC | WELL NO. AND FARM Haddex #2-14 | COUNTY Seward | STATE Kansas |
| CHARGE TO Cabot Oil & Gas JUL 8 | | OWNER Same | CONTRACTOR E-40 | No. B 171090 |
| BILLING ADDRESS CONFIDENTIAL | | DELIVERED FROM Engoton, Ks | LOCATION CODE 025535 | PREPARED BY Mike Gilbert |
| TV & STATE | | DELIVERED TO SW/Liberal, Ks | TRUCK NO. 52920-5302 | RECEIVED BY E BEASOLE |

| PRICE REFERENCE | SECONDARY REF. OR PART NO. | CODE | | DESCRIPTION | UNITS 1 | | UNITS 2 | | UNIT PRICE | AMOUNT | |
|-----------------|----------------------------|------|---|---------------------------|---------|-------|---------|-------|------------|--------|----|
| | | L | D | | QTY. | MEAS. | QTY. | MEAS. | | | |
| 504-050 | 516.00265 | 2 | B | Premium Plus Cement | 160 | sk | | | 8.95 | 1432 | 00 |
| 504-120 | | 2 | B | Halliburton Light Cement | 320 | sk | | | 8.05 | 2576 | 00 |
| 504-050 | 516.00265 | | | | | | | | | | |
| 506-105 | 516.00286 | | | | | | | | | | |
| 506-121 | 516.00259 | | | | | | | | | | |
| 507-210 | 890.50072 | 2 | B | Flocalc HW/ 385 | 120 | lb | | | 1.40 | 168 | 00 |
| 507-775 | 516.00144 | 2 | B | Baled-322 .750W/ 385 | 322 | lb | | | 6.90 | 2221 | 80 |
| 509-406 | 890.50812 | 2 | B | Calcium Chloride 28W/ 385 | 9 | sk | | | 28.25 | 254 | 25 |

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STATE CORPORATION COMMISSION
JUL 12 1993
CONSERVATION DIVISION
Wichita, Kansas

RELEASED
SEP 6 1994
FROM CONFIDENTIAL

| | | | | | | | | | | |
|----------|---|--------------------------------------|----------------|--------------|-----------|-----------|---------|------|-----|----|
| | | Returned Mileage Charge | TOTAL WEIGHT | LOADED MILES | TON MILES | | | | | |
| | | SERVICE CHARGE ON MATERIALS RETURNED | | | | CU. FEET | | | | |
| 500-207 | 2 | B | SERVICE CHARGE | | | CU. FEET | 506 | 1.25 | 632 | 50 |
| 500-306 | 2 | B | Mileage Charge | 45,712 | 18 | TON MILES | 411,408 | .85 | 349 | 70 |
| B 171090 | | CARRY FORWARD TO INVOICE | | | | SUB-TOTAL | | 7634 | | 25 |

1989 R-7

A Division of Halliburton Company

WORK ORDER CONTRACT AND PRE-TREATMENT DATA

ATTACH TO INVOICE & TICKET NO. 845683

WELL NO. Liberal, K2

DATE 5-21-93

ORIGINAL

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

L. NO. 2-14 LEASE Maddox SEC. 14 TWP. 33S RANGE 34W

COUNTY SEWARD STATE KS OWNED BY CABOT

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION TYPE _____
FORMATION DEPTH FROM _____ TO _____
FORMATION SET AT _____
FORMATION MUD WEIGHT _____
FORMATION OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF
FORMATION OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF

| | NEW USED | WEIGHT | SIZE | FROM | TO | MAX. ALLOW. P.S.I. |
|--------------|------------|--------|-------|------|------|--------------------|
| CASING | N | 10.5 | 4 1/2 | KB | 2825 | |
| LINER | | | | | | |
| TUBING | | | | | | |
| OPEN HOLE | RELEASED | | 7 1/8 | | 2825 | SHOTS/FT. |
| PERFORATIONS | | | | | | |
| PERFORATIONS | SEP 6 1994 | | | | | |
| PERFORATIONS | | | | | | |

WELL TREATMENT DATE _____ TYPE _____ MATERIALS _____

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED _____
CEMENT 4 1/2 long string

RECEIVED
JUL 12 1993
CONSERVATION DIVISION
WICHITA, KANSAS

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IN CONSIDERATION, the above-named Customer agrees: THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED.

To pay Halliburton in accordance 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.

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 unreasonableness 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.

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.

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.

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 unit returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.

To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.

That this contract shall be governed by the law of the state where services are performed or materials are furnished.

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 Carl Cowan CUSTOMER

DATE 5-21-93

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

TIME _____ A.M. P.M.

FIELD OFFICE

WELL DATA
 SEC **14** TWP **33E** RNS **30W** COUNTY **Seward** STATE **KS**

ORIGIN **ORIGINAL** TYPE **K90**
 BATHY THICKNESS FROM TO
 AL PROD. OR. EPD. WATER EPD. GAS MCFD
 INST PROD. OR. EPD. WATER EPD. GAS MCFD
 PLUTION DATE MUD TYPE MUD WT. SET AT
 ER TYPE **CONFIDENTIAL**
 ON HOLE TEMP. PRESSURE
 DATA TOTAL DEPTH

| | NEW USED | WEIGHT | SIZE | FROM | TO | MAXIMUM PS ALLOWABLE |
|--------------|----------|--------|-------|------|------|----------------------|
| CASING | N | 10.5 | 4 1/2 | RB | 2825 | |
| LINER | | | | | | |
| TUBING | | | | | | |
| OPEN HOLE | | | 7 1/2 | | 2825 | SHOTS/FT. |
| PERFORATIONS | | | | | | |
| PERFORATIONS | | | | | | |
| PERFORATIONS | | | | | | |

JOB DATA

| CALLED OUT | ON LOCATION | JOB STARTED | JOB COMPLETED |
|---------------------|---------------------|---------------------|---------------------|
| DATE 5-21-93 | DATE 5-21-93 | DATE 5-21-93 | DATE 5-21-93 |
| TIME 0600 | TIME 1030 | TIME 1335 | TIME 1425 |

TOOLS AND ACCESSORIES

| TYPE AND SIZE | QTY. | MAKE |
|-------------------------------|------------|--------------|
| T COLLAR Supra Seal II | 1 | Hewes |
| T SHOES | | |
| E SHOES | | |
| RAZERS S-4 | 10 | |
| ON PLUG | | |
| W LUG SW | 1 | |
| WB WELD-A | 1LB | |
| R Insgeld | 1 | |

PERSONNEL AND SERVICE UNITS

| NAME | UNIT NO. & TYPE | LOCATION |
|-----------------|-------------------|--------------------|
| EGERSOLE | CR673 | Liberal, KS |
| Bradford | AD602 | 3626-75906 |
| McIntyre | 89704 | 5790-5312 |
| Thomas | 3625-75217 | 11 |

MATERIALS
 F. FLUID DENSITY LB/GAL API
 FLUID DENSITY LB/GAL API
 TYPE SIZE LB
 TYPE SIZE LB
 TYPE GAL
 TYPE GAL
 TYPE GAL
 INSTANT TYPE GAL IN
 EBF TYPE GAL IN
 LOSS ADD. TYPE GAL LB
 WS AGENT TYPE GAL LB IN
 HD. AGENT TYPE GAL LB IN
 ER TYPE GAL LB IN
 JNS AGENT TYPE GAL LB
 AC BALLS TYPE QTY
2 Gal 10-Super 300 #/Disp.
5 Gal Clay-In II #/Disp.

RELEASED

SEP 6 1994

FROM CONFIDENTIAL

DEPARTMENT **CEMENT**
 DESCRIPTION OF JOB
Cement 4 1/2 long string
 JOB DONE THERE TUBING CASING ANNULUS TSG/ANN.
 CUSTOMER REPRESENTATIVE **X Carl Conway**
 HALLIBURTON OPERATOR **S. EGERSOLE** COPIES REQUESTED

CEMENT DATA

| NO | NUMBER OF BAGS | CEMENT | BRAND | BULK BAGGED | ADDITIVES | YIELD CBFT/BS | MIXED LBS/GAL |
|----|----------------|------------------------|-------|-------------|--|---------------|---------------|
| | 220 | Premmix H&C | | | 2% CC, 1/2% Flocc, 1/4% Halad-522 | 2.12 | 18.7 |
| | 140 | Premmix Plus | | | 2% CC, 3/4% Halad-522 | 1.52 | 14.5 |

PRESSURES IN PSI

SUMMARY

VOLUMES

ATING DISPLACEMENT
 DOWN MAXIMUM
 DE FRACTURE GRADIENT
 INSTANT DOWN HYDRAULIC HORSEPOWER
 AVAILABLE USED
 AVERAGE RATES IN BPM
 OVERALL
4/5
 CEMENT LEFT IN PIPE
 REASON **Shoe joint**

PRESLUB **10 / 10** GAL
 LOAD & BRDN. BBL-GAL
 TREATMENT: BBL-GAL
 CEMENT SLURRY **121 / 35** GAL
 TOTAL VOLUME: BBL-GAL
 TYPE **Superchuck / get water**
 PAD: BBL-GAL
 DISPL. **4/4** GAL

REMARKS

STATE CORPORATIVE COMMISSION

JUL 12 1993

CONSERVATION DIVISION

Cabel 0.17 Gas
 Maddox
 2-14
 1/2 long string
 5-21-93