

Operator Name Hugoton Energy Corporation Lease Name H. Hill Well # 1-3

East

County Seward

Sec. 3 Twp. 32S Rge. 33
 West

API # 15-175-21340

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

| | | | | |
|---|---|---|-----------------------------------|----------------------------------|
| Drill Stem Tests Taken (Attach Additional Sheets) | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Log | Formation (Top), Depth and 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 | Heebner Shale | 4216 | -1314 |
| Electric Log Run (Submit Copy.) | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Toronto LS | 4233 | -1331 |
| List All E. Logs Run: <u>DIL, MICRO, SSD/CNL, SONIC</u> | | Lansing Group | 4334 | -1432 |
| | | Lansing 'G' Porosity | 4512 | -1610 |
| | | Kansas City 'A' | 4804 | -1902 |
| | | Kansas City 'B' | 4840 | -1938 |
| | | Marmaton Group | 4946 | -2044 |
| | | Marmaton 'B' Porosity | 4968 | -2066 |
| | | Pawnee LS | 5073 | -2171 |
| | | Cherokee Shale | 5136 | -2234 |
| | | Morrow Shale | 5485 | -2583 |
| | | Chester Sand | 5685 | -2783 |
| | | St. Genevieve | 5756 | -2854 |
| | | St. Louis 'C' Porosity | 5885 | -2983 |

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" | | 1799' | lite & Class 'C' | 500 200 | 2% cc 2% cc |
| plugging | | | | | 60/40 POZ | 235 | |

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 | | | | |

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| 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) |
|----------------|--|--|
| | | |
| | | |
| | | |

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

Disposition of Gas: **METHOD OF COMPLETION** Production Interval

Vented Sold Used on Lease (If vented, submit ACO-18)

Open Hole Perf. Dually Comp. Commingled _____

Other (Specify) _____

ORIGINAL

HUGOTON ENERGY CORPORATION
H. HILL #1-3
SEC. 3-T32S-R33W
SEWARD COUNTY
API #15-175-21340
DRILL STEM TEST INFORMATION FOR ACO-1

API#15-175-21340

DRILL STEM TESTS

DST 1 (St. Louis)

Test Interval 5870 - 5898'

Times

30-60-45-60"

Initial Blow

1/4" blow throughout.

Final Blow

None.

Recovery

60' drilling mud

Pressures

IHP 2928

IFP 55-55'

FFP 68-68

SIP 1612-1499

FHP 2876

BHT 130

DST 2 (LAN 'A')

MISRUN

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WICHITA, KS



ACCOUNTING COPY
The Western Company
of North America

SERVICE ORDER AND
FIELD RECEIPT NO. L255166

ORIGINAL

TO 131.62625869

FROM WSTRN CO. N. AMERICA

JAN 4 '94 11:45

| | | | | | | |
|---|--|---|--|----------|------------------------------|--------------------------|
| CUSTOMER (COMPANY NAME) Hugoton Energy | | CREDIT APPROVAL NO. 664 | PURCHASE ORDER NO. | | CUSTOMER NUMBER 43437-000 | INVOICE NUMBER 430802 |
| MAIL | STREET BOX NUMBER | CITY | STATE | ZIP CODE | JOB TYPE CODES | |
| INVOICE TO: 229 East William #500 | | Wichita, Ks. | | 67202 | | |
| DATE WORK COMPLETED: 9 19 93 | WESTERN SERVICE SUPERVISOR HARRINGTON-05779 | WELL TYPE: (CHECK ONE) <input checked="" type="checkbox"/> NEW <input type="checkbox"/> OLD | | | | |
| WESTERN DISTRICT Ferruton - Cement | JOB DEPTH (FT) 1800' | WELL CLASS: (CHECK ONE) <input checked="" type="checkbox"/> OIL <input type="checkbox"/> GAS | DISPOSAL <input type="checkbox"/> INJECTION | | | |
| WELL NAME AND NUMBER H. Hill 1-3 | TO WELL DEPTH (FT) 6000' | GAS USED ON JOB: (CHECK ONE) <input type="checkbox"/> N ₂ <input checked="" type="checkbox"/> CO ₂ | NONE <input type="checkbox"/> BINARY | | | |
| LOCATION: SEC/TWP/R14E S21-32S-33W | COUNTY SQUARD | STATE KANSAS | | | | |

- | CEMENTING SERVICES | SIMULATION SERVICES |
|-------------------------|-----------------------------|
| 10. CONDUCTOR | 30. ACID FRACTURE |
| 11. SURFACE | 31. FRACTURE, 0-9,999 psi |
| 12. INTERMEDIATE | 32. FRACTURE, 10,000 - psi |
| 13. LONG | 33. PUMPING (STIM) |
| 14. LINER | 34. GULK SALE (STIM) |
| 15. TIEBACK | 35. SAND CONTROL |
| 16. FLUID & ABANDON | 40. GRAVEL PACK TOOL SALES |
| 17. FLUID BACK | 41. GRAVEL PACK TOOL RENTAL |
| 18. SQUEEZE | |
| 19. PUMPING (CEMENT) | |
| 20. GULK SALES (CEMENT) | |
| | TOOL SERVICES |
| | 50. TOOL SALE |
| | 51. TOOL RENTAL |
| | 52. TOOL ADDRESS |
| | 53. TOOL SERVICE |

| PRODUCT CODE | DESCRIPTION | QTY | UNIT PRICE | TOTAL | REMARKS |
|--------------|--|--------|------------|-----------|---------|
| K1005 | MILEAGE (1 unit x 200 mi) Liberal | 20 | 13.75 | 275 | |
| K1025 | MILEAGE (1 unit x 200 mi) Liberal | 20 | 7.25 | 145 | |
| F0055 | Pump Serv. 1800' | 1 | 1105 | 1105 | |
| M1005 | Serv. Chg. 777.0 FT ³ | 777 | 1.25 | 971.25 | |
| M3005 | Delv. Chg. 66,171 # 83.0855 lbs | 66,171 | 85 | 5,624.45 | |
| P39-2F | GLs. "C" Cat. 18900# 200 FT ³ | 200 | 8.95 | 1,790 | |
| P49-2F | Presetter-lite "H" 46,000# 545 FT ³ | 500 | 7.89 | 3,945 | |
| P0527 | Calcium Chloride 1,246# 32 FT ³ | 1,246 | 38 | 47,348 | |
| P1715 | Callo-Seal 125# 0 FT ³ | 125 | 1.90 | 237.50 | |
| P3625 | Top Plug 8 3/8" 5# | 1 | 105 | 105 | |
| P195 | Westwell | 1 | 22.85 | 22.85 | |
| 13136 | Lowide Shoe 8 3/8" | 1 | 230 | 230 | |
| 17299 | Insert Valve 8 3/8" | 1 | 335 | 335 | |
| 17068 | Centralizers 8 3/8" w | 3 | 70 | 210 | |
| 17122 | Basket 8 3/8" w | 1 | 245 | 245 | |
| | | | | 102,165.3 | |

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| | | |
|---|---|---|
| ARRIVE LOCATION 9 19 93 | SERVICE ORDER: I AUTHORIZE WORK TO BEGIN PER SERVICE INSTRUCTIONS IN ACCORDANCE WITH TERMS AND CONDITIONS PRINTED ON THE REVERSE SIDE OF THIS FORM AND REPRESENT THAT I HAVE AUTHORITY TO ACCEPT AND SIGN THIS ORDER. | SERVICE RECEIPT: I CERTIFY THAT THE MATERIALS AND SERVICES LISTED WERE RECEIVED AND ALL SERVICES PERFORMED IN A WORKMANLIKE MANNER. |
| CUSTOMER REP. LAST NAME Heskett | CUSTOMER AUTHORIZED AGENT | CUSTOMER AUTHORIZED AGENT |
| SEE REVERSE SIDE FOR GENERAL TERMS AND CONDITIONS | CUSTOMER AUTHORIZED AGENT | WESTERN APPROVED <input checked="" type="checkbox"/> |

Phone 913-483-2627, Russell, Kansas
 Phone 316-799-5861, Great Bend, Kansas

ORIGINAL

Phone Plainville 913-434-2812
 Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC.

4865

Home Office P. O. Box 31

Russell, Kansas 67665

| | | | | | | | | | | | | | | | |
|----------|---------|------|-----|-------|---------|-------|-----|-------------------|---------|-------------|---------|-----------|-------|-------------|-------|
| Date | 9/28/93 | Sec. | 3 | Corp. | 325 | Range | 33W | Called Out | 5:30 PM | On Location | 9:50 PM | Job Start | 11:45 | 9-29 Finish | 02:30 |
| Well No. | H Hill | | 1-3 | | Sibleme | | | 145 2W 2N 4E S100 | | Seward | | Ks | | | |

| | |
|---------------------|------------|
| Contractor | Murtin 22 |
| Type Job | Rotary Pkg |
| Cole Size | 7 7/8 |
| Depth | T.D. 6000 |
| 8 5/8 | Depth 1800 |
| 9 5/8 | Depth |
| Drill Pipe | 4 1/2 |
| Depth | 3100 |
| Cement Left in Csg. | |
| Loss Max. | |
| Seas Line | |
| Displace | |

Owner Hugoton Energies
 To Allied Cementing Co., Inc.
 You are hereby requested to rent cementing equipment and furnish cement and help to assist owner or contractor to do work as listed.

Charge To Murtin Drilling Co.
 Street 250 N. Water Suite 300
 City Wichita State Ks 67202
 The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No. Tom [Signature]
CEMENT

**EQUIPMENT CONSERVATION DIVISION
 WICHITA, KS**

| | | |
|---------|----------|-------------|
| Emp No. | Cementer | <u>Gary</u> |
| Emp No. | Helper | <u>Mike</u> |
| Emp No. | Driver | <u>Bill</u> |
| Emp No. | Driver | |

| | |
|----------------|-------------------------|
| Amount Ordered | <u>235 60/40 6% Gel</u> |
| Consisting of | |
| Common | <u>141</u> |
| Poz. Mix | <u>94</u> |
| Gel | <u>14</u> |
| Chloride | |
| Quickset | |
| Handling | <u>235</u> |
| Mileage | <u>20</u> |
| Hugoton | |
| Total | <u>1768.85</u> |

| | | |
|--------------|--------------------|---------------|
| DEPTH of Job | | |
| Access: | <u>Pump Truck</u> | <u>525.00</u> |
| | <u>13 M. Lease</u> | <u>29.25</u> |
| GENERAL | ... | |
| Total | | <u>554.25</u> |

Floating Equipment
 Total \$ 2323.10
 Disc = 464.62
1858.48

| | |
|----------|---------------------|
| Remarks: | <u>100' @ 3100'</u> |
| | <u>50' " 1850'</u> |
| | <u>50' " 850'</u> |
| | <u>10' " 40'</u> |
| | <u>15' " RH</u> |
| | <u>10' " MH</u> |
| | <u>15' " "</u> |