FORM MUST BE TYPED

SIDE ONE

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

CONFIDENTIAL

ORIGINAL

API NO. 15- 075-205930000

County Hamilton

__ - SE - NW - NW Sec. 24 Twp. 22S Rge. 41 X E W

Operator: License # 04680

1250 Feet from S(N)(circle one) Line of Section

Name: American Exploration Company

1250 Feet from E(W)(circle one) Line of Section

Address 1331 Lamar, Suite 900

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

City/State/Zip Houston, Texas 77010

Lease Name HCU Well # 2421C

Purchaser: K-N Gas Marketing

Field Name Bradshaw

Operator Contact Person: Melinda Mayse

Producing Formation Chase

Phone (713) 756-6338

Elevation: Ground 3540 KB 3545'

Contractor: Name: Cheyenne Drilling, Inc.

Total Depth 2848 PBTD 2791'

License: 5382

Amount of Surface Pipe Set and Cemented at 269' Feet

Wellsite Geologist: N/A

Multiple Stage Cementing Collar Used? __ Yes X No

If yes, show depth set __ Feet

Designate Type of Completion
__ New Well __ Re-Entry __ Workover

If Alternate II completion, cement circulated from 2791'

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

feet depth to surface w/ 475 sx cmt.

Drilling Fluid Management Plan ALT 2 JH 7-15-97
(Data must be collected from the Reserve Pit)

If Workover/Re-Entry: old well info as follows:

RELEASED

Operator:

JAN 11 1998

Well Name:

Chloride content 60,000 ppm Fluid volume 800 bbls

Comp. Date __ Old Total Depth

Dewatering method used Evaporation

FROM CONFIDENTIAL

Location of fluid disposal if hauled offsite:

AUG 14

__ Deepening __ Re-perf. __ Conv. to Inj/SWD
__ Plug Back __ PBTD

Operator Name

CONFIDENTIAL

__ Commingled Docket No.

RECEIVED

__ Dual Completion Docket No.

KANSAS CORPORATION COMMISSION

Lease Name License No.

__ Other (SWD or Inj?) Docket No.

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

5/11/96 5/12/96 6/18/96

AUG 19 1996

8-19-96

County Docket No.

Spud Date Date Reached TD Completion Date

CONSERVATION DIVISION
WICHITA, KS

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 Melinda Mayse

Title Environmental, Health & Safety Tech Date 8-14-96

Subscribed and sworn to before me this 14 day of August, 19 96.

Notary Public Annette Dziabiak

Date Commission Expires 7-1-98

ANNETTE DZIABIAK
NOTARY PUBLIC, STATE OF TEXAS
MY COMMISSION EXPIRES
JULY 1, 1998

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)

Form ACO-1 (7-91)

SIDE TWO

Operator Name American Exploration Company Lease Name HCU Well # 2421 C

ORIGINAL

Sec. 24 Twp. 22 Rge. 41 ☐ East ☒ West County Hamilton

CONFIDENTIAL

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

| | | | |
|---|---|---|---|
| Drill Stem Tests Taken (Attach Additional Sheets.) | ☐ Yes | ☒ No | |
| Samples Sent to Geological Survey | ☐ Yes | ☒ No | |
| Cores Taken | ☐ Yes | ☒ No | |
| Electric Log Run (Submit Copy.) | ☒ Yes | ☐ No | |

List All E.Logs Run:

Dual Induction Log
Comp. SSD Neutron Log

☒ Log Formation (Top), Depth and Datums ☐ Sample

Name Top Datum

Attached

**CASING RECORD** ☒ New ☐ Used

Report all strings set-conductor, surface, intermediate, production, etc.

| Purpose of String | Size Hole Drilled | Size Casing Set (In O.D.) | Weight Lbs./Ft. | Setting Depth | Type of Cement | # Sacks Used | Type and Percent Additives |
|---|---|---|---|---|---|---|---|
| Surface | 12 1/4 | 8 5/8 | 24# | 269' | Class C | 180 | 2% SI + 1/4# D29 + 3% D-79 + |
| Production | 7 7/8 | 4 1/2 | 10.5# | 2836' | Class C | 325 | 2% SI + 2% D-46 + 1/4#D-29 |
| | | | | | Class C | 150 | 2% SI + 1/4# SX D-29 |

**ADDITIONAL CEMENTING/SQUEEZE RECORD**

| Purpose: | Depth Top | Depth Bottom | Type of Cement | #Sacks Used | Type and Percent Additives |
|---|---|---|---|---|---|
| ___ Perforate | | | | | |
| ___ Protect Casing | | | | | |
| ___ Plug Back TD | | | | | |
| ___ Plug Off Zone | | | | | |

| Shots Per Foot | PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) | Depth |
|---|---|---|---|
| 2 | 2653-2666, 2691-2700, 2702-2720' | 2000 gal 15% HCL | |
| | | 18,750 gal 65 quality $N_2$ Foam | |
| | | and 45,000# 12/20 sand | |
| | | | |

| TUBING RECORD | Size | Set At | Packer At | Liner Run |
|---|---|---|---|---|
| | 2 3/8 | 2762' | | ☐ Yes ☒ No |

| Date of First, Resumed Production, SWD or Inj. | Producing Method |
|---|---|
| 6/19/96 | ☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain) |

| Estimated Production Per 24 Hours | Oil Bbls. | Gas Mcf | Water Bbls. | Gas-Oil Ratio | Gravity |
|---|---|---|---|---|---|
| | 0 | 380 | 220 | N/A | N/A |

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

_____

_____

CONFIDENTIAL ORIGINAL

AMERICAN EXPLORATION COMPANY
HCU 24-21 C
SECTION 24-T22S-R41W
HAMILTON COUNTY, KANSAS

15-075-20593-0000

COMMENCED: 05-11-96
COMPLETED: 05-13-96

SURFACE CASING: 268' OF 8 5/8" CMTD W/175 SKS CLASS C + 2% S1 + 1/4#/SK FLOCELE

| FORMATION | DEPTH |
|---|---|
| SURFACE HOLE | 0 - 268 |
| SANDSTONE & CLAY | 268 - 1278 |
| RED BED | 1278 - 2825 |
| LIMESTONE & SHALE | 2825 - 2846 RTD |

I DO HEREBY CERTIFY THAT THE FOREGOING STATEMENTS ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

KCC
AUG 14
CONFIDENTIAL

CHEYENNE DRILLING, INC.

Wray Valentine

WRAY VALENTINE

RECEIVED
KANSAS CORPORATION COMMISSION

STATE OF KANSAS : ss:

AUG 2 1996

SUBSCRIBED AND SWORN TO BEFORE ME THIS 14TH DAY OF MAY, 1996.

CONSERVATION DIVISION
WICHITA, KS JOLENE K. RUSSELL

RELEASED
JAN 11 1998
FROM CONFIDENTIAL

JOLENE K. RUSSELL
State of Kansas
My Appt. Exp.

NOTARY PUBLIC

15-075-20593-0000

# CEMENTING SERVICE REPORT

Schlumberger
Dowell
DOWELL SCHLUMBERGER INCORPORATED

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

| TREATMENT NUMBER | DATE |
|---|---|
| 12 8346 | 5-11-96 |
| STAGE / DS / DISTRICT | 03 / 12 / 41KS |

| WELL NAME AND NO. | LOCATION (LEGAL) |
|---|---|
| HCU 24-21C | Sec 24 22S 41W |
| FIELD-POOL | FORMATION |
| Bradshaw | Surface |
| COUNTY/PARISH | STATE / API. NO. |
| Hamilton | KS |

NAME American Exploration

AND

ADDRESS

ZIP CODE

SPECIAL INSTRUCTIONS

IS CASING/TUBING SECURED? ☑ YES ☐ NO

LIFT PRESSURE 110 PSI CASING WEIGHT ÷ SURFACE AREA (3.14 × R²)

PRESSURE LIMIT PSI BUMP PLUG TO PSI

ROTATE RPM RECIPROCATE FT No. of Centralizers 1

RIG NAME: Cheyenne #8

| WELL DATA: | | BOTTOM | | | TOP |
|---|---|---|---|---|---|
| BIT SIZE 12¼ | CSG/Liner Size | 8⅝ | | | |
| TOTAL DEPTH | WEIGHT | 24 | | | |
| ☐ ROT ☐ CABLE | FOOTAGE | 268 | | | |
| MUD TYPE | GRADE | | | | |
| ☐ BHST ☐ BHCT | THREAD | 8Rd | | | |
| MUD DENSITY | LESS FOOTAGE SHOE JOINT(S) | 43 | | | TOTAL |
| MUD VISC. | Disp. Capacity | 14.3 | | | |

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

| | | | | | |
|---|---|---|---|---|---|
| Float | TYPE | Baffle Plate | Stage Tool | TYPE | |
| | DEPTH | 225 | | DEPTH | |
| SHOE | TYPE | | | TYPE | |
| | DEPTH | | | DEPTH | |

| | | | |
|---|---|---|---|
| Head & Plugs | ☐ TBG ☐ D.P | SQUEEZE JOB | |
| ☐ Double | SIZE | TOOL TYPE | |
| ☑ Single | ☐ WEIGHT | TOOL DEPTH | |
| ☐ Swage | ☐ GRADE | TAIL PIPE: SIZE | DEPTH |
| ☐ Knockoff | ☐ THREAD | TUBING VOLUME | Bbls |
| TOP ☐R ☐W | ☐ NEW ☐ USED | CASING VOL. BELOW TOOL | Bbls |
| BOT ☐R ☐W | DEPTH | TOTAL | Bbls |
| | | ANNUAL VOLUME | Bbls |

JOB SCHEDULED FOR TIME: DATE: | ARRIVE ON LOCATION TIME: DATE: | LEFT LOCATION TIME: DATE:

| TIME 0001 to 2400 | PRESSURE TBG OR D.P. | PRESSURE CASING | VOLUME PUMPED BBL INCREMENT | VOLUME PUMPED BBL CUM | INJECT RATE | FLUID TYPE | FLUID DENSITY | SERVICE LOG DETAIL |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | PRE-JOB SAFETY MEETING |
| 1401 | | 70 | 10 | 10 | 4.0 | H20 | 8.3 | START H20 Ahead |
| 1403 | | 80 | 43 | 101 | 4.0 | CMT | 14.8 | START CMT Slurry |
| 1414 | | 0 | | 53 | — | CMT | 14.8 | Shutdown Drop Plug |
| 1416 | | 60 | 14.5 | 53 | 4.0 | H20 | 8.3 | START Displacement |
| 1419 | | 60 | | 67.5 | 2.0 | H20 | 8.3 | Cover late |
| 1433 | | | | | | | | Shutdown Bump Plug to 600 PSI, Bleed TO 200 PSI Shut in Head and Manifold |
| | | | | | | | | RELEASED |
| | | | | | | | | JAN 11 1998 |
| | | | | | | | | 12.5 SKS TO Surface |
| | | | | | | | | FROM CONFIDENTIA |

REMARKS

| SYSTEM CODE | NO. OF SACKS | YIELD CU. FT/SK | COMPOSITION OF CEMENTING SYSTEMS | SLURRY MIXED BBLS | SLURRY MIXED DENSITY |
|---|---|---|---|---|---|
| 1. | 180 | 1.34 | C + 2% S1 + ¼ #SK D29 | 42.9 | 14.8 |
| 2. | | | | | |
| 3. | | | | | |
| 4. | | | | | |
| 5. | | | | | |
| 6. | | | | | |

| | | | |
|---|---|---|---|
| BREAKDOWN FLUID TYPE | VOLUME | DENSITY | PRESSURE 600 MAX. 70 MIN: |
| ☐ HESITATION SQ. ☐ RUNNING SQ. | CIRCULATION LOST | ☐ YES ☐ NO | Cement Circulated To Surf. ☐ YES ☐ NO 3 Bbls. |
| BREAKDOWN PSI FINAL PSI | DISPLACEMENT VOL. | 14.3 Bbls | TYPE OF WELL ☐ OIL ☑ GAS ☐ STORAGE ☐ INJECTION ☐ BRINE WATER ☐ WILDCAT |
| Washed Thru Perfs ☐ YES ☐ NO TO FT. | MEASURED DISPLACEMENT ☑ | ☐ WIRELINE | |
| PERFORATIONS TO TO TO TO | CUSTOMER REPRESENTATIVE Darold Demoss | | DS SUPERVISOR Darren D Shilling |

15-075-20593-0000

# CEMENTING SERVICE REPORT

Schlumberger
Dowell
DOWELL SCHLUMBERGER INCORPORATED

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

| TREATMENT NUMBER | DATE |
|---|---|
| 12 8346 | 5-11-96 |
| STAGE | DS DISTRICT |
| | 03 12 4KS |

| WELL NAME AND NO. | LOCATION (LEGAL) |
|---|---|
| HCU 24-21C | Sec 24 22S 41W |
| FIELD-POOL | FORMATION |
| Bradshaw | Surface |
| COUNTY/PARISH | STATE / API. NO. |
| Hamilton | KS |

NAME American Exploration

AND

ADDRESS

ZIP CODE

SPECIAL INSTRUCTIONS

IS CASING/TUBING SECURED? ☒ YES ☐ NO

LIFT PRESSURE 110 PSI CASING WEIGHT ÷ SURFACE AREA (3.14 × R²)

PRESSURE LIMIT PSI BUMP PLUG TO PSI

ROTATE RPM RECIPROCATE FT No. of Centralizers 1

RIG NAME: Cheyenne #8

| WELL DATA: | | BOTTOM | | | TOP | |
|---|---|---|---|---|---|---|
| BIT SIZE 12¼ | CSG/Liner Size | 8 5/8 | | | | |
| TOTAL DEPTH | WEIGHT | 24 | | | | |
| ☐ ROT ☐ CABLE | FOOTAGE | 268 | | | | |
| MUD TYPE | GRADE | | | | | |
| ☐ BHST ☐ BHCT | THREAD | 8Rd | | | | |
| MUD DENSITY | LESS FOOTAGE SHOE JOINT(S) | 43 | | | | TOTAL |
| MUD VISC. | Disp. Capacity | 14.3 | | | | |

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

| | | | | | |
|---|---|---|---|---|---|
| Float | TYPE | Baffle Plate | Stage Tool | TYPE | |
| | DEPTH | 225 | | DEPTH | |
| SHOE | TYPE | | | TYPE | |
| | DEPTH | | | DEPTH | |

| | | | |
|---|---|---|---|
| Head & Plugs | ☐ TBG ☐ D.P | SQUEEZE JOB | |
| ☐ Double | SIZE | TOOL | TYPE |
| ☒ Single | ☐ WEIGHT | | DEPTH |
| ☐ Swage | ☐ GRADE | TAIL PIPE: SIZE | DEPTH |
| ☐ Knockoff | ☐ THREAD | TUBING VOLUME | Bbls |
| TOP ☐R ☐W | ☐ NEW ☐ USED | CASING VOL. BELOW TOOL | Bbls |
| BOT ☐R ☐W | DEPTH | TOTAL | Bbls |
| | | ANNUAL VOLUME | Bbls |

JOB SCHEDULED FOR TIME: DATE:
ARRIVE ON LOCATION TIME: DATE:
LEFT LOCATION TIME: DATE:

| TIME 0001 to 2400 | PRESSURE TBG OR D.P. | PRESSURE CASING | VOLUME PUMPED BBL INCREMENT | VOLUME PUMPED BBL CUM | INJECT RATE | FLUID TYPE | FLUID DENSITY | SERVICE LOG DETAIL |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | PRE-JOB SAFETY MEETING |
| 1401 | | 70 | 10 | 10 | 4.0 | H20 | 8.3 | START H20 Ahead |
| 1403 | | 80 | 43 | 10 | 4.0 | cmt | 14.8 | START CMT Slurry |
| 1414 | | 0 | | 53 | — | cmt | 14.8 | Shutdown Drop Plug |
| 1416 | | 60 | 14.5 | 53 | 4.0 | H20 | 8.3 | START Displacement |
| 1419 | | 60 | | 67.5 | 2.0 | H20 | 8.3 | Lower late |
| 1433 | | | | | | | | Shutdown Bump Plug to 600 PSI, Bleed TO 200 PSI Shut in Head and manifold |
| | | | | | | | | 12.5 SKS TO Surface |

REMARKS

| SYSTEM CODE | NO. OF SACKS | YIELD CU. FT/SK | COMPOSITION OF CEMENTING SYSTEMS | SLURRY MIXED BBLS | SLURRY MIXED DENSITY |
|---|---|---|---|---|---|
| 1. | 180 | 1.34 | C + 2% SI + ¼ # SK D29 | 42.9 | 14.8 |
| 2. | | | | | |
| 3. | | | | | |
| 4. | | | | | |
| 5. | | | | | |
| 6. | | | | | |

BREAKDOWN FLUID TYPE VOLUME DENSITY

☐ HESITATION SQ. ☐ RUNNING SQ.

BREAKDOWN PSI FINAL PSI

Washed Thru Perfs ☐ YES ☐ NO TO FT.

CIRCULATION LOST ☐ YES ☐ NO

DISPLACEMENT VOL. 14.3 Bbls

MEASURED DISPLACEMENT ☐ ☐ WIRELINE

PRESSURE 600 MAX. 70 MIN:

Cement Circulated To Surf. ☐ YES ☐ NO 3 Bbls.

TYPE OF WELL ☐ OIL ☒ GAS ☐ STORAGE ☐ INJECTION ☐ BRINE WATER ☐ WILDCAT

PERFORATIONS
TO TO
TO TO

CUSTOMER REPRESENTATIVE Darold Demoss

DS SUPERVISOR Darren D Shilley

15-075-20593-0000

# CEMENTING SERVICE REPORT

Schlumberger
Dowell
DOWELL SCHLUMBER INCORPORATED

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

| TREATMENT NUMBER | DATE |
|---|---|
| 128349 | 5-13-96 |
| STAGE | DS DISTRICT |
| | 03 12 UKS |

| WELL NAME AND NO. | LOCATION (LEGAL) |
|---|---|
| HC424-21C | Sec 24-22S-41W |
| FIELD-POOL | FORMATION |
| Bradshaw | Winfield |
| COUNTY/PARISH | STATE / API. NO. |
| Hamilton | KS |

NAME American Exploration

AND

ADDRESS

ZIP CODE

SPECIAL INSTRUCTIONS Safety Mtg Production Casing as Directed by Customer!!

IS CASING/TUBING SECURED? ☐ YES ☐ NO

LIFT PRESSURE 1872 PSI CASING WEIGHT ÷ SURFACE AREA (3.14 × R²)

PRESSURE LIMIT 1500 PSI BUMP PLUG TO 1360 PSI

ROTATE RPM RECIPROCATE FT No. of Centralizers 8

RIG NAME: Cheyenne #8

| WELL DATA: | | BOTTOM | TOP |
|---|---|---|---|
| BIT SIZE 7 7/8 | CSG/Liner Size | 4 1/2 | |
| TOTAL DEPTH | WEIGHT | 10.5 | |
| ☐ ROT ☐ CABLE | FOOTAGE | 2836 | |
| MUD TYPE | GRADE | | |
| ☐ BHST ☐ BHCT | THREAD | 8 Rd | |
| MUD DENSITY | LESS FOOTAGE SHOE JOINT(S) | 45 | TOTAL |
| MUD VISC. | Disp. Capacity | 44.3 | |

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

| | | | | | |
|---|---|---|---|---|---|
| Float | TYPE | Orifice Fill | Stage Tool | TYPE | |
| | DEPTH | 2791 | | DEPTH | |
| SHOE | TYPE | CMT Nose | | TYPE | |
| | DEPTH | 2836 | | DEPTH | |

| Head & Plugs | ☐ TBG ☐ D.P. | SQUEEZE JOB | |
|---|---|---|---|
| ☐ Double | SIZE | TOOL | TYPE |
| ☑ Single | ☐ WEIGHT | | DEPTH |
| ☐ Swage | ☐ GRADE | TAIL PIPE: SIZE | DEPTH |
| ☐ Knockoff | ☐ THREAD | TUBING VOLUME | Bbls |
| TOP ☐R ☐W | ☐ NEW ☐ USED | CASING VOL. BELOW TOOL | Bbls |
| BOT ☐R ☐W | DEPTH | TOTAL | Bbls |
| | | ANNUAL VOLUME | Bbls |

JOB SCHEDULED FOR TIME: ASAP DATE: 5-13-96
ARRIVE ON LOCATION TIME: 0600 DATE: 5-13-96
LEFT LOCATION TIME: DATE:

| TIME 0001 to 2400 | PRESSURE TBG OR D.P. | PRESSURE CASING | VOLUME PUMPED BBL INCREMENT | VOLUME PUMPED BBL CUM | INJECT RATE | FLUID TYPE | FLUID DENSITY | SERVICE LOG DETAIL |
|---|---|---|---|---|---|---|---|---|
| 0936 | | | | | | | | PRE-JOB SAFETY MEETING PSI Test to 2,000 |
| 0938 | | 250 | 10 | 10 | 5.5 | H2O | 8.3 | START H2O Ahead |
| 0940 | | 170 | 187 | 10 | 5.5 | CMT | 11.1 | START Lead CMT |
| 1012 | | 300 | 36 | 197 | 5.5 | CMT | 14.8 | START Tail CMT |
| 1019 | | 500 | 40 | 233 | 5.5 | CMT | 14.8 | Shutdown Drop Plug START Displacement |
| 1023 | | 500 | 44 | 233 | 2.5 | H2O | 8.3 | START Displacement |
| 1032 | | | | 277 | | | | Shutdown Bump Plug to 1360 PSI, Bleed PSI Holding Knock off Head and Manifold |
| 1036 | | | | | | | | End Job |
| | | | | | | | | RELEASED |
| | | | | | | | | JAN 11 1998 |
| | | | | | | | | 25 SKS TO Surface FROM CONFIDENTIAL |

Dowell

REMARKS

| SYSTEM CODE | NO. OF SACKS | YIELD CU. FT/SK | COMPOSITION OF CEMENTING SYSTEMS | SLURRY MIXED BBLS | SLURRY MIXED DENSITY |
|---|---|---|---|---|---|
| 1. | 325 | 3.23 | C+3% D79+2% S1+2% D46+1/4#/SK D29 | 186.9 | 11.1 |
| 2. | 150 | 1.34 | C+2% S1+1/4#/SK D29 | 35.7 | 14.8 |
| 3. | | | | | |
| 4. | | | | | |
| 5. | | | | | |
| 6. | | | | | |

| | | | |
|---|---|---|---|
| BREAKDOWN FLUID TYPE | VOLUME | DENSITY | PRESSURE 1360 MAX. 250 MIN: |
| ☐ HESITATION SQ. ☐ RUNNING SQ. | CIRCULATION LOST | ☐ YES ☑ NO | Cement Circulated To Surf. ☑ YES ☐ NO 14.3 Bbls. |
| BREAKDOWN PSI FINAL PSI | DISPLACEMENT VOL. | 44.3 Bbls | TYPE OF WELL ☐ OIL ☑ GAS ☐ STORAGE ☐ INJECTION ☐ BRINE WATER ☐ WILDCAT |
| Washed Thru Perfs ☐ YES ☐ NO TO FT. | MEASURED DISPLACEMENT ☑ | ☐ WIRELINE | |
| PERFORATIONS TO TO TO TO | CUSTOMER REPRESENTATIVE Harold Demoss | | DS SUPERVISOR Darren D. Shilling |