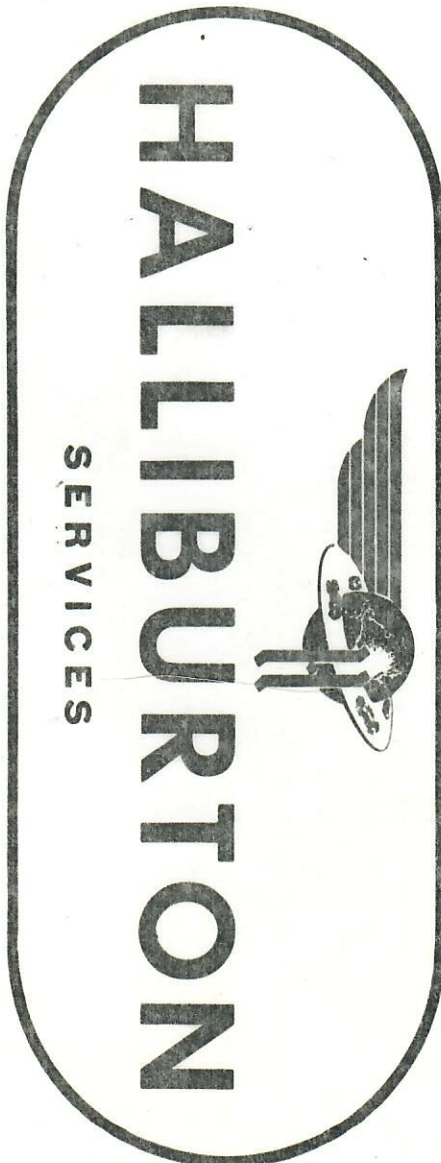


CUSTOMER Summark
LEASE F. K. Love
WELL NO. 1
JOB TYPE Versagel 2500
DATE 9/17/79



A Halliburton Company

WELL SERVICE REPORT

HALLIBURTON SERVICE JOB SUMMARY



HALLIBURTON
SERVICE
LOCATION

DENVER
Vernal

BILLED ON
TICKET NO. 602347

FORM 1012 R-2

WELL DATA

FIELD Great Divide SEC. 6 TWP. 8N RNG. 92W COUNTY Moffat STATE COLO

FORMATION NAME Mesa Verde 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. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH _____

| | NEW USED | WEIGHT | SIZE | FROM | TO | MAXIMUM PSI ALLOWABLE |
|--------------|----------|--------|-------|------|------|-----------------------|
| CASING | U | 17 | 9 1/2 | 0 | 8200 | |
| LINER | | | | | | |
| TUBING | U | 6.4 | 2 7/8 | 0 | 6270 | |
| OPEN HOLE | | | | | | SHOTS/FT. |
| PERFORATIONS | | | | | | |
| PERFORATIONS | | | | | | |
| PERFORATIONS | | | | | | |

TOOLS AND ACCESSORIES

| TYPE AND SIZE | QTY. | MAKE |
|------------------------------------|----------|--------------|
| FLOAT COLLAR | | |
| FLOAT SHOE | | |
| GUIDE SHOE | | |
| CE LIZERS | | |
| BOTTOM PLUG | | |
| TOP PLUG | | |
| HEAD <u>2 7/8 2506 H-Tion Tool</u> | <u>1</u> | <u>Holco</u> |
| PACKER | | |
| OTHER <u>Shur-shot</u> | <u>1</u> | <u>Huaco</u> |

MATERIALS

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

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

PROP. TYPE _____ SIZE _____ LB. _____

PROP. TYPE _____ SIZE _____ LB. _____

ACID TYPE MCA GAL. 2000 % 7 1/2

ACID TYPE _____ GAL. _____ % _____

ACID TYPE _____ GAL. _____ % _____

SURFACTANT TYPE HAT-55 GAL. 4 IN 2000

WE AGENT TYPE _____ GAL. _____ IN _____

FLUOROS ADD. TYPE _____ GAL.-LB. _____ IN _____

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

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

BREAKER TYPE _____ GAL.-LB. _____ IN _____

BLOCKING AGENT TYPE _____ GAL.-LB. _____

PERF PAC BALLS TYPE RCAL QTY. 35

OTHER _____

OTHER _____

JOB DATA

| CALLER OUT | ON LOCATION | JOB STARTED | JOB COMPLETED |
|---------------------|---------------------|---------------------|---------------------|
| DATE <u>10-1-79</u> | DATE <u>10-1-79</u> | DATE <u>10-1-79</u> | DATE <u>10-1-79</u> |
| TIME <u>0400</u> | TIME <u>0700</u> | TIME <u>1412</u> | TIME <u>1437</u> |

PERSONNEL AND SERVICE UNITS

| NAME | UNIT NO. & TYPE | LOCATION |
|-------------------|-----------------|---------------|
| <u>C Hiner</u> | | |
| <u>R Anderson</u> | <u>operator</u> | <u>Vernal</u> |
| <u>M Martinez</u> | <u>8441</u> | <u>"</u> |
| | <u>APumper</u> | |
| <u>B Guinn</u> | <u>0006</u> | <u>"</u> |
| | <u>N-2</u> | |
| <u>Skultet</u> | <u>8778</u> | |
| <u>R Lear</u> | | |

DEPARTMENT STING

DESCRIPTION OF JOB MCA Break-down

JOB DONE THRU: TUBING ☐ CASING ☐ ANNULUS ☐ TBO/ANN. ☐

CUSTOMER REPRESENTATIVE X Pittenbarger

HALLIBURTON OPERATOR C Hiner COPIES REQUESTED _____

CEMENT DATA

| STAGE | NUMBER OF SACKS | TYPE | API CLASS | BRAND | BULK SACKED | ADDITIVES | YIELD CU.FT./SK. | MIXED LBS./GAL. |
|-------|-----------------|------|-----------|-------|-------------|-----------|------------------|-----------------|
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
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| | | | | | | | | |
| | | | | | | | | |

BEST IMAGE
AVAILABLE

PRESSURES IN PSI

SUMMARY

VOLUMES

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

BREAKDOWN _____ MAXIMUM 3400 LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____

AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL.-GAL. 48 INFL: BBL.-GAL. 24

SHUT-IN: INSTANT 2200 3-MIN. 1950 15-MIN. 1900 CEMENT SLURRY: BBL.-GAL. _____

HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL.-GAL. 72

ORDERED A.P.-N AVAILABLE _____ USED AP-N

AVERAGE RATES IN BPM _____

TREATING 3 DISPL. 3 OVERALL 3

CEMENT LEFT IN PIPE _____

FEET _____ REASON _____

REMARKS

RECEIVED
OCT 1 1979

SUNMARK EXP. CO.
E&P OPERATIONS

CUSTOMER

CUSTOMER
Vernal
LEASE
F. K. LOWE
WELL NO.
1
JOB TYPE
Break-down
DATE 10-1-79

JOB SUMMARY

W 2012 R-2

DIVISION
ION

WELL DATA

BILLED ON
TICKET NO.

771453

Great Divide COLO. OIL & GAS CONVEYOR

82

RNG.

COUNTY

Moffat

STATE

CO

ATION NAME _____ TYPE _____

ATION THICKNESS _____ FROM _____ TO _____

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

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

LETION DATE _____ MUD TYPE _____ MUD WT. _____

ER TYPE _____ SET AT _____

OM HOLE TEMP. _____ PRESSURE _____

DATA _____ TOTAL DEPTH _____

JOB DATA

| CALLED OUT | ON LOCATION | JOB STARTED | JOB COMPLETED |
|---------------|---------------|---------------|---------------|
| DATE 10-13-79 | DATE 10-13-79 | DATE 10-13-79 | DATE 10-13-79 |
| TIME 0730 | TIME 0730 | TIME 0830 | TIME 10:08 |

PERSONNEL AND SERVICE UNITS

| NAME | UNIT NO. & TYPE | LOCATION |
|-----------|-----------------|----------|
| Giddis | 1185 | Cut |
| W. W. May | 75-03 | Clear |
| Osick | 9913 | Bm Wand |

BEST IMAGE
AVAILABLE

DEPARTMENT

DESCRIPTION OF JOB

JOB DONE THRU: TUBING ☒ CASING ☐ ANNULUS ☐ TSG./ANN. ☐CUSTOMER
REPRESENTATIVEHALLIBURTON
OPERATORCOPIES
REQUESTED

CEMENT DATA

| AGE | NUMBER OF SACKS | TYPE | API CLASS | BRAND | BULK SACKED | ADDITIVES | YIELD CU. FT./SK. | MIXED LBS./GAL. |
|-----|-----------------|------|-----------|-------|-------------|-----------|-------------------|-----------------|
| | 30 | SWH | H | | 3 | | 1.06 | 16.4 |
| | 5 | SWH | H | | 5 | | 1.00 | 16.4 |

PRESSURES IN PSI

SUMMARY

VOLUMES

ULATING _____ DISPLACEMENT _____ PRESURUSH: BBL-GAL _____ TYPE _____

ANDOWN _____ MAXIMUM _____ LOAD & SHDN: BBL-GAL _____ PAD: BBL-GAL _____

RAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL-GAL _____ DISPL: BBL-GAL _____ 2.9

T-MIN INSTANT _____ 5-MIN. _____ 15-MIN. _____ CEMENT SLURRY: BBL-GAL _____

HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL-GAL _____

ERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM _____

ATING _____ DISPL _____ OVERALL _____

CEMENT LEFT IN PIPE _____

100/6

REMARKS

OCT 29 1979

SUNMARK EXP. CO.

TE & P. O. L. N. 10-13-79

JOB 1



IER

Segment

NOV 13 1979

PAGE NO.

1

JOB TYPE

D/A

DATE

10-13-78

| CHART NO. | TIME | RATE (BPM) | VOLUME (BBL) (GAL) | PUMPS | | PRESSURE (PSI) | | COLD. OIL & GAS CONS. COMM. |
|-----------|------|------------|--------------------|-------|---|----------------|--------|--|
| | | | | T | C | TUBING | CASING | |
| | 0730 | | | | | | | ON location Setup for job |
| | 0830 | 4 | 30 | | | 100 | | FILL CASING WITH H ₂ O |
| | 0845 | 5 | 6 | | | 100 | | Mix Cont 16.4% gel |
| | 0847 | 2 | 2.9 | | | | | Disp with H ₂ O |
| | | | | | | | | pull 10 strokes - laying down |
| | 0930 | 2 | 1 | | | | | Mix 5.55 cont. For Surface casing or top - |
| | 0931 | | | | | | | End mixing |
| | | | | | | | | Pump out FRAC Tank into pit. |
| | 1000 | | | | | | | End job |
| | | | | | | | | Thanks |
| | | | | | | | | Seal A. |

BEST IMAGE AVAILABLE

OCT 29 1979

SUNSHINE EXP. CO.
E & P OPERATIONS

HALLIBURTON SERVICES

JOB SUMMARY

NOV 10 1979



BILLED ON TICKET NO. 77453

WELL DATA
 COLO. OIL & GAS
 Great Divide SEC. 6 TWP. 8N RNG. 9W COUNTY Moffat STATE CO

FORMATION NAME _____ TYPE _____
 FORMATION THICKNESS _____ FROM _____ TO _____
 AL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
 ENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
 COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____
 PER TYPE _____ SET AT _____
 FORM HOLE TEMP. _____ PRESSURE _____
 DATA _____ TOTAL DEPTH _____

| NEW USED | WEIGHT | SIZE | FROM | TO | MAXIMUM PSI ALLOWABLE |
|--------------|--------|------|------|----|-----------------------|
| CASING | | | | | |
| LINER | | | | | |
| TUBING | | | | | |
| OPEN HOLE | | | | | SHOTS/FT. |
| PERFORATIONS | | | | | |
| PERFORATIONS | | | | | |
| PERFORATIONS | | | | | |

JOB DATA

| CALLED OUT | ON LOCATION | JOB STARTED | JOB COMPLETED |
|----------------------------|----------------------------|----------------------------|----------------------------|
| DATE 10-13-79 TIME 0730 | DATE 10-13-79 TIME 1530 | DATE 10-13-79 TIME 0830 | DATE 10-13-79 TIME 1000 |

PERSONNEL AND SERVICE UNITS

| NAME | UNIT NO. & TYPE | LOCATION |
|---------|-----------------|-----------|
| Girdles | 1188 | Cut |
| Welding | 25-08 | Cut |
| Crick | 9913 | Perm Used |

BEST IMAGE AVAILABLE

DEPARTMENT Cut
 DESCRIPTION OF JOB PTA

JOB DONE THRU: TUBING ☒ CASING ☐ ANNULUS ☐ TEG./ANN. ☐

CUSTOMER REPRESENTATIVE X J. Pittunhagen
 HALLIBURTON OPERATOR Sgt Jable COPIES REQUESTED _____

CEMENT DATA

| AGE | NUMBER OF SACKS | TYPE | API CLASS | BRAND | BULK SACKED | ADDITIVES | YIELD CU.FT./SK. | MIXED LBS./GAL. |
|-----|-----------------|------|-----------|-------|-------------|-----------|------------------|-----------------|
| | 30 | SWH | H | | 3 | | 106 | 16.4 |
| | 5 | SWH | H | | B | | 106 | 16.4 |

PRESSURES IN PSI

SUMMARY

VOLUMES

CULATING _____ DISPLACEMENT _____ PRESURUSH: BSL-GAL. _____ TYPE _____
 AKDOWN _____ MAXIMUM _____ LOAD & SKDN: BSL-GAL. _____ PADI: BSL-GAL. _____
 RAGE _____ FRACTURE GRADIENT _____ TREATMENT: BSL-GAL. _____ DISPL: BSL-GAL. 2.9
 T-MIN: INSTANT _____ 5-MIN. _____ 15-MIN. _____ CEMENT SLURRY: BSL-GAL. _____
 HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BSL-GAL. _____

ERED _____ AVAILABLE _____ USED _____
 AVERAGE RATES IN BPM

REMARKS

ATING _____ DISPL _____ OVERALL _____

CEMENT LEFT IN PIPE

100/6

PTA

FR Loeuc

PTA

DATE 10-13-79

JC3-L



D

LEASE

TICKET NO.

771453

ER

Segment

PAGE NO.

1

JOB TYPE

DIA

DATE

10-13-75

| PART NO. | TIME | RATE (BPM) | VOLUME (BBL) (GAL) | PUMPS | | PRESSURE (PSI) | | DESCRIPTION OF OPERATION AND MATERIALS |
|----------|------|------------|--------------------|-------|---|----------------|--------|---|
| | | | | T | C | TUBING | CASING | |
| | 0730 | | | | | | | Oil Location Setup for Job |
| | 0830 | 4 | 30 | | | | 100 | FILL CASING WITH H ₂ O |
| | 0845 | 5 | 6 | | | | 100 | Mix Cont 16.4% gel |
| | 0847 | 2 | 2.9 | | | | | Disp with H ₂ O |
| | | | | | | | | PULL 10 STAND - laying down |
| | 0930 | 2 | 1 | | | | | Mix 5 Skt Cont. For Surface Casing on Top |
| | 0931 | | | | | | | End Mixing |
| | | | | | | | | Pump out FRAC Tank into pit. |
| | 1000 | | | | | | | End Job |

RECEIVED

NOV 13 1979

COLO. OIL & GAS CONS. COMM.

BEST IMAGE
AVAILABLE

OCT 29 1979

SUNMARK EXP. CO.
E & P OPERATIONS

LEASE *F. 15* LOWE

TICKET NO. 602342

CUSTOMER Sunmark

PAGE NO

JOB TYPE

7 1/2% MCA Break-down DATE 10-1-79

DATE 10-1-79

FORM 201-8-66

**BEST IMAGE
AVAILABLE**

RECEIVED

~~OCT 10 1979~~

SUNMARK EXP. CO.
E & P OPERATIONS

CUSTOMER



00204074

WELL DATA

FIELD Greet Divide SEC. 6 TWP. 8N RNG. 92W COUNTY Moffat STATE COLO

FORMATION NAME Mesa Verde 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. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH _____

JOB DATA

| DATE | TIME | DATE | TIME | DATE | TIME | DATE | TIME |
|---------|------|---------|------|---------|------|---------|------|
| 10-1-79 | 0400 | 10-1-79 | 0700 | 10-1-79 | 1412 | 10-1-79 | 1417 |

PERSONNEL AND SERVICE UNITS

| NAME | UNIT NO. & TYPE | LOCATION |
|------------|-----------------|----------|
| C Hiner | | |
| R Anderson | operator | Vernal |
| M Martinez | 8941 | " |
| B Guinn | A pumper | " |
| | 0006 | " |
| | N-2 | " |
| Shultz | 8778 | |
| R Lear | | |

BEST IMAGE
AVAILABLE

DEPARTMENT STIM

DESCRIPTION OF JOB MCA Break-down

JOB DONE THRU: TUBING ☐ CASING ☐ ANNULUS ☐ TBG./ANN. ☐

CUSTOMER REPRESENTATIVE X Pittsburgh

HALLIBURTON OPERATOR C Hiner COPIES REQUESTED _____

CEMENT DATA

| STAGE | NUMBER OF SACKS | TYPE | API CLASS | BRAND | BULK SACKED | ADDITIVES | YIELD CU.FT./SK. | MIXED LBS./GAL. |
|-------|-----------------|------|-----------|-------|-------------|-----------|------------------|-----------------|
| | | | | | | | | |
| | | | | | | | | |
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| | | | | | | | | |

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____

BREAKDOWN _____ MAXIMUM 3400

AVERAGE _____ FRACTURE GRADIENT _____

SHUT-IN: INSTANT 2200 3-MIN. 1950 15-MIN. 1900

HYDRAULIC HORSEPOWER

ORDERED AP-N AVAILABLE _____ USED AP-N

AVERAGE RATES IN BPM

TREATING 3 DISPL. 3 OVERALL 3

CEMENT LEFT IN PIPE

FEET _____ REASON _____

PREFLUSH: BSL-GAL. _____ TYPE _____

LOAD & BKDN: BSL-GAL. _____ PAD: BSL-GAL. _____

TREATMENT: BSL-GAL. 48 - 24

CEMENT SLURRY: BSL-GAL. _____

TOTAL VOLUME: BSL-GAL. 72

REMARKS

OCT 1 1979

SUNMARK EXP. CO.
E&P OPERATIONS

CUSTOMER

CUSTOMER

LEASE F. K. LOWE

WELL NO. 1

JOB TYPE

Break-down DATE 10-1-79

HALLIBURTON SERVICE JOB SUMMAR



HALLIBURTON
DIVISION

Denver

IN
DN

Vernal

BILLED ON
TICKET NO.

603438

FORM 2012 R-2

WELL DATA

FIELD Great Divide SEC. 6 TWP. 8N RANG. 92W COUNTY Moffat STATE Colorado

FORMATION NAME Mesa Verde 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. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH _____

| | NEW USED | WEIGHT | SIZE | FROM | TO | MAXIMUM PSI ALLOWABLE |
|--------------|-------------|--------|-------|------|------|--------------------------|
| CASING | U | 17.2 | 5 1/2 | 6675 | 8200 | 7000 |
| LINER | | | | | | |
| TUBING | U | 6.5 | 2 7/8 | 0 | 6675 | 7000 |
| OPEN HOLE | | | | | | SHOTS/FT. |
| PERFORATIONS | | | | 6728 | 6742 | 15 |
| PERFORATIONS | | | | | | |
| PERFORATIONS | | | | | | |

JOB DATA

| CALLED OUT | ON LOCATION | JOB STARTED | JOB COMPLETED |
|------------|-------------|-------------|---------------|
| 9/17/79 | 9/17/79 | 9/17/79 | 9/17/79 |
| DATE | DATE | DATE | DATE |
| TIME 0100 | TIME 0530 | TIME 0853 | TIME 0937 |

TOOLS AND ACCESSORIES

| TYPE AND SIZE | QTY. | MAKE |
|---------------|------|------|
| FLOAT COLLAR | | |
| FLOAT SHOE | | |
| GUIDE SHOE | | |
| CENTRALIZERS | | |
| BOTTOM PLUG | | |
| TOP PLUG | | |
| HEAD | | |
| PACKER | | |
| OTHER | | |

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. API

DISPL. FLUID Kcl DENSITY 2% LB/GAL. API

PROP. TYPE _____ SIZE _____ LB.

PROP. TYPE _____ SIZE _____ LB.

ACID TYPE Hcl GAL. 500 % 15

ACID TYPE _____ GAL. _____ %

ACID TYPE _____ GAL. _____ %

SURFACTANT TYPE Tri-S GAL. 1 IN 1000

NE AGENT TYPE CJ-11 GAL. .5 IN 1000

FLUID LOSS ADD. TYPE HAI-55 GAL.-LB. 1 IN 500

GELLING AGENT TYPE WG-12 GAL.-LB. 50 IN 1000

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

BREAKER TYPE AP GAL.-LB. _____ IN 1000

BLOCKING AGENT TYPE _____ GAL.-LB. _____

PERFPAC BALLS TYPE _____ QTY. _____

OTHER GBW-3 Breaker

OTHER _____

PERSONNEL AND SERVICE UNITS

| NAME | UNIT NO. & TYPE | LOCATION |
|------------|-----------------|----------|
| Morris | Operator | Vernal |
| Bills | 2482-5896 | |
| Kalcich | 0801-4960 | |
| Yourdon | 1106-3693 | |
| Strickland | 1601 | |
| Davis | 9579-2532 | |
| Jones | 9328-3863 | |
| Craig | 8707 | |
| Petty | 9749 | |
| Steele | 9325-3853 | |
| Jorgensen | 2379-7676 | |
| Petty | Mechanic | |
| Lube | Supervisor | |

DEPARTMENT Stimulation

DESCRIPTION OF JOB Versagel 2500 w/450 scf/hhl N2

JOB DONE THRU: TUBING ☒ CASING ☐ ANNULUS ☐ TSG./ANN. ☐

CUSTOMER REPRESENTATIVE X J. Pittsenbarger

HALLIBURTON OPERATOR W. K. Morris

COPIES REQUESTED _____

CEMENT DATA

| STAGE | NUMBER OF SACKS | TYPE | API CLASS | BRAND | BULK SACKED | ADDITIVES | YIELD CU.FT./SK. | MIXED LBS./GAL. |
|-------|--------------------|------|--------------|-------|----------------|-----------|---------------------|--------------------|
| | | | | | | | | |
| | | | | | | | | |
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| | | | | | | | | |

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESURSH: SBL-GAL. _____ TYPE _____

BREAKDOWN _____ MAXIMUM 7000 LOAD & BKDN: SBL-GAL. _____ PAD: SBL-GAL. _____

AVERAGE 6800 FRACTURE GRADIENT _____ TREATMENT: SBL-GAL. 20000 DISPL: SBL-GAL. 2020

SHUT-IN: INSTANT 2800 5-MIN. 2600 15-MIN. 2450 CEMENT SLURRY: SBL-GAL. _____

HYDRAULIC HORSEPOWER TOTAL VOLUME: SBL-GAL. 22020

ORDERED 4000 AVAILABLE 4000 USED 2000 REMARKS _____

AVERAGE RATES IN BPM _____

TREATING 12 DISPL. 12 OVERALL 12 _____

CEMENT LEFT IN PIPE _____

FEET _____ REASON _____

JOB LOG

SERVICES



00264081

Sunmark

PAGE NO. 1 of 1

JOB TYPE Versagel 2500 w/450 scf/bbl N2

DATE 9/17/79

ORM 2013 R-2

[illegible]

HALLIBURTON SERVICES JOB SUMMA

FORM 2012 R-2

HALLIBURTON DIVISION DENVER

HALLIBURTON LOCATION

Vernal

BILLED ON TICKET NO. 602341

FIELD Great Divide

WELL DATA

HP. 8N RING. 924 COUNTY Moffat STATE COLO

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. _____
PACKER TYPE _____ SET AT _____
BOTTOM HOLE TEMP. _____ PRESSURE _____
MISC. DATA _____ TOTAL DEPTH _____

| | NEW USED | WEIGHT | SIZE | FROM | TO | MAXIMUM PSI ALLOWABLE |
|--------------|----------|--------|-------|------|------|-----------------------|
| CASING | U | 17 | 5 1/2 | 0 | 6950 | |
| LINER | | | | | | |
| TUBING | U | 64 | 2 7/8 | 0 | 6306 | |
| OPEN HOLE | | | | | | SHOTS/FT. |
| PERFORATIONS | | | | 6368 | 6424 | 2 |
| PERFORATIONS | | | | | | |
| PERFORATIONS | | | | | | |

JOB DATA

| CALLIED OUT | ON LOCATION | JOB STARTED | JOB COMPLETED |
|--------------|--------------|--------------|---------------|
| DATE 9-27-79 | DATE 9-27-79 | DATE 9-27-79 | DATE 7-27-79 |
| TIME 0200 | TIME 0800 | TIME 0839 | TIME 0930 |

PERSONNEL AND SERVICE UNITS

| NAME | UNIT NO. & TYPE | LOCATION |
|------------|-----------------|----------|
| H Hiner | | |
| R Gamm | operator | Vernal |
| R Anderson | 0010 | " |
| Siger | NI | " |
| Martinez | 8941 | " |
| | 17 pumper | " |

BEST IMAGE
AVAILABLE

DEPARTMENT ST
DESCRIPTION OF JOB 7 1/2% MCA Break-down
with 850 scf per BBL

JOB DONE THRU: TUBING ☒ CASING ☐ ANNULUS ☐ TSG./ANN. ☐

CUSTOMER REPRESENTATIVE X Pittenger

HALLIBURTON OPERATOR C Hiner COPIES REQUESTED _____

CEMENT DATA

| ST | NUMBER OF BAGS | TYPE | API CLASS | BRAND | BULK SACKED | ADDITIVES | YIELD CU.FT./SK. | MIXED LBS./GAL. |
|----|----------------|------|-----------|-------|-------------|-----------|------------------|-----------------|
| | | | | | | | | |
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| | | | | | | | | |

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESURSH: BBL-GAL. _____ TYPE _____
BREAKDOWN _____ MAXIMUM 3400 LOAD & BKN: BBL-GAL. _____ PAD: BBL-GAL. _____
AVERAGE 2750 FRACTURE GRADIENT _____ TREATMENT: BBL-GAL. 48 DISPL: BBL-GAL. 24
SHUT-IN: INSTANT 2000 5-MIN. 1700 15-MIN. 1575 CEMENT SLURRY: BBL-GAL. _____
HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL-GAL. 14

ORDERED API AVAILABLE _____ USED API
AVERAGE RATES IN BPM _____

TREATING 3 DISPL. 2 OVERALL 3
CEMENT LEFT IN PIPE _____

FEET _____ REASON _____

REMARKS

OCT 4 1979

SUNMARK EXP. CO.
E & E OPERATIONS

CUSTOMER

CUSTOMER

LEASE

F. K. LOWE

WELL NO.

1

JOB TYPE

DATE



Sunmark Explo.
7 1/2 % MCA Break-down

PAGE NO.

DATE 9-27-71

FORM 2013 R-2

[illegible]

**BEST IMAGE
AVAILABLE**

RECEIVED

OCT 4 1979

SUNMARK EXP. CO.
E & P OPERATIONS

CUSTOMER

HALLIBURTON SERVICES JOB SUMMARY

HALLIBURTON DIVISION DENVER

HALLIBURTON LOCATION Vernal

BILLED ON TICKET NO. 622341

FORM 2012 R-2



WELL DATA

FIELD Great Dix TWP. 8N RING. 92W COUNTY Moffat STATE COLO

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

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

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

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH _____

JOB DATA

| CALLER OUT | ON LOCATION | JOB STARTED | JOB COMPLETED |
|---------------------|---------------------|---------------------|---------------------|
| DATE <u>9-27-79</u> | DATE <u>9-27-79</u> | DATE <u>9-27-79</u> | DATE <u>9-27-79</u> |
| TIME <u>0400</u> | TIME <u>0800</u> | TIME <u>0839</u> | TIME <u>0930</u> |

PERSONNEL AND SERVICE UNITS

| NAME | UNIT NO. & TYPE | LOCATION |
|-------------------|-----------------|---------------|
| <u>C Hine</u> | <u>operator</u> | <u>Vernal</u> |
| <u>R Guine</u> | <u>0010</u> | <u>"</u> |
| <u>R Anderson</u> | <u>AL</u> | <u>"</u> |
| <u>Sisco</u> | <u>8941</u> | <u>"</u> |
| <u>Mantua</u> | <u>APumper</u> | <u>"</u> |

BEST IMAGE
AVAILABLE

DEPARTMENT ST

DESCRIPTION OF JOB 7 1/2" MCA Breakdown with 850 SIF Per APC

JOB DONE THRU: TUBING ☒ CASING ☐ ANNULUS ☐ TEG./ANN. ☐

CUSTOMER REPRESENTATIVE X J. Pettit

HALLIBURTON OPERATOR C Hine COPIES REQUESTED _____

CEMENT DATA

| ST | NUMBER OF SACKS | TYPE | API CLASS | BRAND | BULK SACKED | ADDITIVES | YIELD CU.FT./SK. | MIXED LBS./GAL. |
|----|-----------------|------|-----------|-------|-------------|-----------|------------------|-----------------|
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PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESURUSH: SBL-GAL. _____ TYPE _____

BREAKDOWN _____ MAXIMUM 3400 LOAD & BKN: SBL-GAL. _____ PAD: SBL-GAL. _____

AVERAGE 2750 FRACTURE GRADIENT _____ TREATMENT: SBL-GAL. 48 DISPL: SBL-GAL. 24

SHUT-IN: INSTANT 2000 P-MIN. 1700 IS-MIN. 1595 CEMENT SLURRY: SBL-GAL. _____

HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: SBL-GAL. 7

ORDERED AP-1/2 AVAILABLE _____ USED AP-0 REMARKS _____

AVERAGE RATES IN BPM _____

TREATING 3 DISPL. 2 OVERALL 3 CEMENT LEFT IN PIPE _____

FEET _____ REASON _____

OCT 4 1979

SUNMARK EXP. CO.
E & P OPERATIONS

CUSTOMER

CUSTOMER
F. K. LOWE
WELL NO. 1
JOB TYPE
DATE



CUSTOMER

Sunmark Expor.

PAGE NO.

JOB TYPE

7 1/2% MCA Break-down

DATE 9-27-71

FORM 2013

[illegible]

CUSTOMER

FIELD GREAT DIVIDE SEC. 6 TWP. 8N RNC. 92W COUNTY MOFFAT STATE COLO

WELL DATA

| FORMATION NAME | TYPE | FORMATION THICKNESS | FROM | TO | NEW USED | WEIGHT | SIZE | FROM | TO | MAXIMUM PSI ALLOWABLE |
|----------------|------|---------------------|------|----|----------|--------|-------|------|------|-----------------------|
| CASING | | | | | ✓ | 17 | 5 1/2 | 6665 | TD | |
| LINER | | | | | | | | | | |
| TUBING | | | | | ✓ | 6.4 | 2 3/8 | 0 | 6665 | |
| OPEN HOLE | | | | | | | | | | SHOTS/FT. |
| PERFORATIONS | | | | | | | | 6778 | 6742 | |
| PERFORATIONS | | | | | | | | | | |
| PERFORATIONS | | | | | | | | | | |

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

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

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH _____

TOOLS AND ACCESSORIES

| TYPE AND SIZE | QTY. | MAKE |
|-----------------------------|------|--------------|
| FLOAT COLLAR | | |
| FLOAT SHOE | | |
| GUIDE SHOE | | |
| CENTRALIZERS | | |
| BOTTOM PLUG | | |
| TOP PLUG | | |
| HEAD | | |
| PACKER | | |
| OTHER <u>SHURSHOT INT 1</u> | | <u>HOWCO</u> |

MATERIALS

| | | |
|---------------------------|------------------|----------------|
| TREAT. FLUID | DENSITY | LB/GAL. API |
| DISPL. FLUID | DENSITY | LB/GAL. API |
| PROP. TYPE | SIZE | LB. |
| PROP. TYPE | SIZE | LB. |
| ACID TYPE <u>MCA</u> | GAL. <u>1000</u> | % <u>7 1/2</u> |
| ACID TYPE | GAL. | % |
| ACID TYPE | GAL. | % |
| SURFACTANT TYPE | GAL. | IN |
| WE AGENT TYPE | GAL. | IN |
| FLUID LOSS ADD. TYPE | GAL.-LB. | IN |
| GELLING AGENT TYPE | GAL.-LB. | IN |
| FRIC. RED. AGENT TYPE | GAL.-LB. | IN |
| BREAKER TYPE | GAL.-LB. | IN |
| BLOCKING AGENT TYPE | GAL.-LB. | |
| PER BALLS TYPE <u>BCN</u> | QTY. <u>30</u> | |
| OTHER | | |
| OTHER | | |

JOB DATA

| DATE | TIME | DATE | TIME | DATE | TIME | DATE | TIME |
|---------|-------|---------|-------|---------|-------|---------|-------|
| 9-11-79 | 03:30 | 9-11-79 | 08:00 | 9-11-79 | 09:08 | 9-11-79 | 09:42 |

PERSONNEL AND SERVICE UNITS

| NAME | UNIT NO. & TYPE | LOCATION |
|-------------------|-----------------|---------------|
| <u>B Cui</u> | <u>OPER</u> | <u>UFRAAL</u> |
| <u>T MECHAM</u> | <u>GOIL N</u> | |
| <u>M MARTINEZ</u> | <u>A PUMPER</u> | |
| | <u>8941</u> | |
| | | |
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BEST IMAGE
AVAILABLE

DEPARTMENT STIM
DESCRIPTION OF JOB 2 1/2" MCA + N
BREAK DOWN

JOB DONE THRU: TUBING ☒ CASING ☐ ANNULUS ☐ TSG./ANN. ☐

CUSTOMER REPRESENTATIVE X Pittsburgh

HALLIBURTON OPERATOR Robert Guinn COPIES REQUESTED _____

CEMENT DATA

| STAGE | NUMBER OF SACKS | TYPE | API CLASS | BRAND | BULK SACKED | ADDITIVES | YIELD CU.FT./SK. | MIXED LBS./GAL. |
|-------|-----------------|------|-----------|-------|-------------|-----------|------------------|-----------------|
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PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT 5000 PRESURSH: SBL-GAL. _____ TYPE _____

BREAKDOWN _____ MAXIMUM 5000 LOAD & BKDN: SBL-GAL. _____ PAD: SBL-GAL. _____

AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: SBL-GAL. 24 DISPL: SBL-GAL. 38

SHUT-IN: INSTANT 4000 5-MIN. 2400 15-MIN. 2300 CEMENT SLURRY: SBL-GAL. _____

HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: SBL-GAL. 64

ORDERED A PUMPER AVAILABLE _____ USED _____ REMARKS

AVERAGE RATES IN BPM _____

CREATING 3 DISPL. 3 OVERALL 3

CEMENT LEFT IN PIPE _____

PERF _____ REASON _____

RECEIVED

SEP 18 1979

CUSTOMER

SUNMARK EXP. CO.
E & P. OPERATIONS

BREA K DOWN



FORM 2013 R-2

CUSTOMER

**BEST IMAGE
AVAILABLE**

RECEIVED

SEP 18 1979

SUNMARK EXP. CO.
E & P OPERATIONS

HALLIBURTON SERVICE JOB SUMMARY

FORM 2012 R-2



HALLIBURTON
DIVISION

BURTON
CATION

VERNAL

BILLED ON
TICKET NO. 602713

CUSTOMER

FRANCIS K. LOWE

WELL NO.

1

JOB TYPE

BREAK DOWN

DATE 9-11-79

FIELD GREAT DIVIDE SEC. 6 TWP. 8N RNG. 92W COUNTY MOFFAT STATE COLO

WELL DATA

| | NEW USED | WEIGHT | SIZE | FROM | TO | MAXIMUM PSI ALLOWABLE |
|--------------|----------|--------|-------|------|------|-----------------------|
| CASING | U | 17 | 5 1/2 | 6685 | TD | |
| LINER | | | | | | |
| TUBING | U | 64 | 2 7/8 | 0 | 6665 | |
| OPEN HOLE | | | | | | SHOTS/FT. |
| PERFORATIONS | | | | 6778 | 6742 | |
| PERFORATIONS | | | | | | |
| PERFORATIONS | | | | | | |

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. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH _____

TOOLS AND ACCESSORIES

| TYPE AND SIZE | QTY. | MAKE |
|---------------------------|----------|--------------|
| FLOAT COLLAR | | |
| FLOAT SHOE | | |
| GUIDE SHOE | | |
| CENTRALIZERS | | |
| BOTTOM PLUG | | |
| TOP PLUG | | |
| HEAD | | |
| PACKER | | |
| OTH. <u>SH4R SHOT INT</u> | <u>1</u> | <u>HOWCO</u> |

MATERIALS

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

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

PROP. TYPE _____ SIZE _____ LB. _____

PROP. TYPE _____ SIZE _____ LB. _____

ACID TYPE MCA GAL. 1000 % 7 1/2

ACID TYPE _____ GAL. _____ % _____

ACID TYPE _____ GAL. _____ % _____

SURFACTANT TYPE _____ GAL. _____ IN _____

WE AGENT TYPE _____ GAL. _____ IN _____

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

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

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

BREAKER TYPE _____ GAL.-LB. _____ IN _____

BLOCKING AGENT TYPE _____ GAL.-LB. _____

PER. BALLS TYPE BCN QTY. 30

OTHER _____

OTHER _____

JOB DATA

| CALLED OUT | ON LOCATION | JOB STARTED | JOB COMPLETED |
|---------------------|---------------------|---------------------|---------------------|
| DATE <u>9-11-79</u> | DATE <u>9-11-79</u> | DATE <u>9-11-79</u> | DATE <u>9-11-79</u> |
| TIME <u>03:30</u> | TIME <u>09:00</u> | TIME <u>09:08</u> | TIME <u>09:42</u> |

PERSONNEL AND SERVICE UNITS

| NAME | UNIT NO. & TYPE | LOCATION |
|-------------------|-----------------|---------------|
| <u>B Guinn</u> | <u>OPER</u> | <u>VERNAL</u> |
| <u>T MECHAN</u> | <u>0011</u> | |
| <u>M MARTINEZ</u> | <u>A PUMPER</u> | |
| | <u>8941</u> | |

BEST IMAGE
AVAILABLE

DEPARTMENT STIM

DESCRIPTION OF JOB 7 1/2% MCA + N²
BREAK DOWN

JOB DONE THRU: TUBING ☒ CASING ☐ ANNULUS ☐ TBG./ANN. ☐

CUSTOMER REPRESENTATIVE X Robert Guinn

HALLIBURTON OPERATOR Robert Guinn COPIES REQUESTED _____

CEMENT DATA

| STAGE | NUMBER OF SACKS | TYPE | API CLASS | BRAND | BULK SACKED | ADDITIVES | YIELD CU.FT./SK. | MIXED LBS./GAL. |
|-------|-----------------|------|-----------|-------|-------------|-----------|------------------|-----------------|
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PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT 500

BREAKDOWN _____ MAXIMUM 500

AVERAGE _____ FRACTURE GRADIENT _____

SHUT-IN: INSTANT 4000 5-MIN. 2400 15-MIN. 2300

HYDRAULIC HORSEPOWER _____

ORDERED APUMPER AVAILABLE _____ USED _____

AVERAGE RATES IN BPM _____

TREATING 3 DISPL. 3 OVERALL 3

CEMENT LEFT IN PIPE _____

FEET _____ REASON _____

PRESLUSH: BBL.-GAL. _____ TYPE _____

LOAD & SKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____

TREATMENT: BBL.-GAL. 24 DISPL: BBL.-GAL. 38

CEMENT SLURRY: BBL.-GAL. _____

TOTAL VOLUME: BBL.-GAL. 64

REMARKS

RECEIVED

SEP 18 1979

CUSTOMER

SUNMARK EXP. CO.
E & P OPERATIONS



1

LEASE FRANCIS K. LOWE

TICKET NO. 202713

PAGE NO.

DATE 7-11-79

FORM 2013 R-2

JOB TYPE

SUN MARK

BREAK DOWN

| CHART NO. | TIME | R.P.M. (BPM) | VOLUME (BBL) (GAL) | PUMPS | | PRESSURE (PSI) | | DESCRIPTION OF OPERATION AND MATERIALS |
|-----------|-------|--------------|--------------------|-------|---|----------------|--------|---|
| | | | | T | C | TUBING | CASING | |
| | | | | | | | | ONLCC SAFETY MEETING PRIME & TEST LINES |
| | 09:08 | 3.5 | 0 | | | 300 | | START ACID |
| | 9:10 | 3.5 | 5 | | | 300 | | START BALLS + N2 |
| | 9:17 | 3 | 24 | | | 1900 | | END ACID |
| | 9:17 | 3 | 0 | | | 1900 | | START FLUSH |
| | 9:22 | 3.5 | 14 | | | 3100 | | ACID TO PERF |
| | 9:24 | 3 | 19 | | | 3500 | | BALLS TO PERF |
| | 9:42 | 2 | 38 | | | 5000 | | END FLUSH |
| | | | | | | 4000 | | ISIP |
| | | | | | | 2400 | | 1 MIN |
| | | | | | | 2300 | | 10 MIN |
| | | | | | | | | Thanks Bob |

BEST IMAGE
AVAILABLE

RECEIVED

SEP 18 1979

SHINMARK EXP. CO.



A Division of Mobil
DUNCAN, OKLAHOMA 73533

ATTACH TO
INVOICE & TICKET NO. 602636

DATE 8-16-79

YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERAT

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

WELL NO. #1 LEASE FRANKS K LOWE SEC. 6 TWP. 8N RANGE 92
FIELD Great Divide COUNTY MOFFAT STATE Colo. OWNED BY Same

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

| | NEW USED | WEIGHT | SIZE | FROM | TO | MAX. ALLOW F.S.I. |
|--|-------------|--------|------|------|----|----------------------|
|--|-------------|--------|------|------|----|----------------------|

| | | | | | |
|--------|---|------|-------|--|-------|
| CASING | N | 27 # | 5 1/2 | | 6850' |
|--------|---|------|-------|--|-------|

| | | | | | | |
|-------|--|--|--|--|--|--|
| LINER | | | | | | |
|-------|--|--|--|--|--|--|

| | | | | | | |
|--------|--|--|--|--|--|--|
| TUBING | | | | | | |
|--------|--|--|--|--|--|--|

| OPEN HOLE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|-----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

| | | | |
|--------------|------------|--|--|
| PERFORATIONS | BEST IMAGE | | |
|--------------|------------|--|--|

| | | | |
|--------------|-----------|--|--|
| PERFORATIONS | AVAILABLE | | |
|--------------|-----------|--|--|

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

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

Cmt. 5 1/2" LONG string. as instructed

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

THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

As consideration, the above-named Customer agrees:

- (a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price lists.
- (b) Halliburton shall not be responsible for and Customer shall secure Halliburton against any liability for damage to property of Customer and of the well or damage and surface damage arising from subsurface damage.
- (c) Customer shall be responsible for and secure Halliburton against any liability for reservoir loss or damage, or property damage resulting from subsurface pressure loss or control of the well and/or a well blowout, unless such loss or damage is caused by the willful misconduct or gross negligence of Halliburton.
- (d) Customer shall be responsible for and secure Halliburton against any and all liability of whatsoever nature for damages as a result of subsurface trespass, or action in the nature thereof, arising from a service operation performed by Halliburton hereunder.
- (e) Customer shall be responsible for and secure Halliburton against any liability for injury to or death of persons, other than employees of Halliburton, or damage to property (including, but not limited to, injury to the well), or any damages whatsoever, irrespective of cause, growing out of or in any way connected with the use of radioactive material in the well hole, unless such damage shall be caused by the willful misconduct or gross negligence of Halliburton.
- (f) Halliburton makes no guarantee of the effectiveness of the products, supplies or materials, nor of the results of any treatment or service.
- (g) 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. If less 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.
- (h) 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 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 responsible for any damages arising from the use of such information except where due to Halliburton's gross negligence or willful misconduct in the preparation or furnishing of such information.
- (i) 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 FOREGOING 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.
- (j) Upon Customer's payment of the amount due on its account 60 days after date of invoice, such account will thereafter be subject to interest until paid. In the event it becomes necessary for Halliburton to employ an attorney to enforce collection of such account, Customer agrees to pay all collection costs and attorney fees in an amount of 20 percent of the amount due on the unpaid account.
- (k) 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.

AUG 22 1979

SUNMARK EXP. CO.
F & P DRILLING OPNS.

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 8-16-79

TIME 12:00 (A.M.) (P.M.)

We 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

JOB

OWNER

SUNMARK

PAGE NO.

S TYPE

Longstring

5 1/2

DATE 8-16-79

FORM 2013 R-2

| CHART NO. | TIME | RATE (BPM) | (BBL) (GAL) | PUMPS | | PRESSURE (PSI) | | DESCRIPTION OF OPERATION AND MATERIALS |
|-----------|-------|------------|-------------|-------|---|----------------|--------|--|
| | | | | T | C | TUBING | CASING | |
| | 07:00 | | | | | | | Float Equip. Called FOR |
| | 12:00 | | | | | | | Float Equip. ON LOC. |
| | 18:00 | | | | | | | TRUCKS called FOR |
| | 21:00 | | | | | | | TRUCKS ON LOC. |
| | 23:00 | | | | | | | waiting on casing crew |
| 1 | 0400 | 6 | 20 | | | | 300 | Pump 20 BBLs mud FLUSH |
| | | | | | | | | Ahead of Cement |
| 2 | 0410 | 6 | 59 | | | | 250 | START MIXING Cement |
| 3 | 0425 | 6 | | | | | | FINISH MIXING Cement |
| 4 | 0426 | | | | | | | WASH Pumps & Lines - DROP |
| | | | | | | | | TOP PLUG. |
| 5 | 0428 | 5 | | | | | 500 | START Displacement |
| 6 | 0453 | 2 | 158 | | | | 1000 | Bump Plug Pressure up |
| | | | | | | | | 500 PSI Over Pump Pressure |
| | | | | | | | | Check Float which DID |
| | | | | | | | | HOLD |
| | 0455 | | | | | | | TRUCK Released |
| | | | | | | | | THANK YOU |

BEST IMAGE
AVAILABLE

RECEIVED

AUG 22 1979

SUNMARK EXP. CO.
F & P DRILLING OPNS.

CUSTOMER



FIELD GREAT Divide SEC. 6 TWP. 8N RNG. 92W COUNTY MOFFAT STATE COLO.

WELL DATA

| | NEW USED | WEIGHT | SIZE | FROM | TO | MAXIMUM PSI ALLOWABLE |
|--------------|----------|--------|-------|------|------|-----------------------|
| CASING | N | 17" | 5 1/2 | 0 | 6850 | |
| LINER | | | | | | |
| TUBING | | | | | | |
| OPEN HOLE | | | | | | SHOTS/FT. |
| PERFORATIONS | | | | | | |
| PERFORATIONS | | | | | | |
| PERFORATIONS | | | | | | |

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

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

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

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH _____

TOOLS AND ACCESSORIES

| TYPE AND SIZE | QTY. | MAKE |
|--------------------------------|-----------|--------------|
| FLOAT COLLAR <u>Super Seal</u> | <u>1</u> | <u>HALCO</u> |
| FLOAT SHOE <u>Super Seal</u> | <u>1</u> | <u>HALCO</u> |
| GUIDE SHOE | | |
| CENTRALIZERS <u>53 5/2</u> | <u>10</u> | <u>HALCO</u> |
| BOTTOM PLUG <u>SW 5 1/2</u> | <u>1</u> | <u>HALCO</u> |
| TOP PLUG | | |
| HEAD <u>SAH 5 1/2</u> | <u>1</u> | <u>HALCO</u> |
| PACKER | | |
| OTHER <u>NSM LB</u> | <u>1</u> | <u>HALCO</u> |

MATERIALS

| | | |
|-----------------------|----------|-------------|
| TREAT. FLUID | DENSITY | LB/GAL. API |
| DISPL. FLUID | DENSITY | LB/GAL. API |
| PROP. TYPE | SIZE | LB. |
| PROP. TYPE | SIZE | LB. |
| ACID TYPE | GAL. | % |
| ACID TYPE | GAL. | % |
| ACID TYPE | GAL. | % |
| SURFACTANT TYPE | GAL. | IN |
| HE AGENT TYPE | GAL. | IN |
| FLUID LOSS ADD. TYPE | GAL.-LB. | IN |
| GELLING AGENT TYPE | GAL.-LB. | IN |
| FRIC. RED. AGENT TYPE | GAL.-LB. | IN |
| BREAKER TYPE | GAL.-LB. | IN |
| BLOCKING AGENT TYPE | GAL.-LB. | |
| PERFPAC BALLS TYPE | QTY. | |
| OTHER | | |
| OTHER | | |

JOB DATA

| CALLED OUT | ON LOCATION | JOB STARTED | JOB COMPLETED |
|-------------------|-------------------|------------------|------------------|
| DATE <u>8-14</u> | DATE <u>8-16</u> | DATE <u>8-17</u> | DATE <u>8-17</u> |
| TIME <u>07:00</u> | TIME <u>12:00</u> | TIME <u>0400</u> | TIME <u>0955</u> |

PERSONNEL AND SERVICE UNITS

| NAME | UNIT NO. & TYPE | LOCATION |
|----------------|-----------------|---------------|
| <u>W. HALL</u> | <u>Pickup</u> | <u>VERNAL</u> |
| <u>A FINK</u> | | <u>VERNAL</u> |
| <u>Willmes</u> | <u>9574</u> | <u>VERNAL</u> |
| | <u>3996</u> | <u>VERNAL</u> |

BEST IMAGE
AVAILABLE

DEPARTMENT Cmt.

DESCRIPTION OF JOB 5 1/2" Longstring

JOB DONE THRU: TUBING ☐ CASING ☒ ANNULUS ☐ TBG./ANN. ☐

CUSTOMER REPRESENTATIVE X/Ced Sanders

HALLIBURTON OPERATOR Wade Hall A Fink COPIES REQUESTED _____

CEMENT DATA

| STAGE | NUMBER OF SACKS | TYPE | API CLASS | BRAND | BULK SACKED | ADDITIVES | YIELD CU.FT./SK. | MIXED LBS./GAL. |
|------------|-----------------|------|-----------|-------|-------------|---------------------|------------------|-----------------|
| <u>2RD</u> | <u>260</u> | | | | <u>B</u> | <u>5 1/2 ssf SA</u> | <u>1.28</u> | <u>142</u> |

PRESSURES IN PSI

CIRCULATING 200 DISPLACEMENT 200BREAKDOWN _____ MAXIMUM 1000

AVERAGE _____ FRACTURE GRADIENT _____

SHUT-IN: INSTANT _____ 3-MIN. _____ 15-MIN. _____

HYDRAULIC HORSEPOWER

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE

FEET _____ REASON _____

SUMMARY

VOLUMES

PREFLUSH: BBL-GAL. 20 TYPE MUD FLUSH

LOAD & SHDN: BBL-GAL. _____ PAD: BBL-GAL. _____

TREATMENT: BBL-GAL. _____ DISPL: BBL-GAL. 157

RECEIVED

59

236

REMARKS

AUG 22 1979

SUNMARK EXP. CO.
E & P DRILLING OPNS.

CUSTOMER

HALLIBURTON

SERVICES

FORM 1908 R-2

A Division of Halliburton Company
DUNCAN, OKLAHOMA 73552WORK ORDER CONTRACT
PRE-TREATMENT DATAATTACH TO
INVOICE & TICKET NO. 602686DISTRICT VERNADATE 8-16-79

TO: HALLIBURTON SERVICES

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

THE SAME AS AN INDEPENDENT CONTRACTOR TO: SUNMARK

AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING (CUSTOMER)

WELL NO. #1 LEASE FRANK'S K. LOWE SEC. 6 TWP. 8N RANGE 92WFIELD GREAT DIVIDE COUNTY MOFFAT STATE COLO OWNED BY SAME

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. |
|---------------------|-----------------------|-----------|--------|--------------|------------|--------------|-------------------|
| FORMATION THICKNESS | FROM | TO | CASING | <u>N</u> | <u>17#</u> | <u>5 1/2</u> | <u>6850</u> |
| PACKER: TYPE | SET AT | LINER | | | | | |
| TOTAL DEPTH | MUD WEIGHT | TUBING | | | | | |
| BORE HOLE | | OPEN HOLE | | | | | SHOTS/FT. |
| INITIAL PROD: OIL | BPD, H ₂ O | BPD, GAS | MCF | PERFORATIONS | | | |
| PRESENT PROD: OIL | BPD, H ₂ O | BPD, GAS | MCF | PERFORATIONS | | | |
| | | | | PERFORATIONS | | | |

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ☐ ANNULUS ☐ CASING ☐ TUBING/ANNULUS ☐ HYDRAULIC HORSEPOWER ORDEREDCmt. 5 1/2" LONG STRING AS INSTRUCTED

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

THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

As consideration, the above-named Customer agrees:

- (a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price lists.
- (b) Halliburton shall not be responsible for and Customer shall secure Halliburton against any liability for damage to property of Customer and of the well own (if different from Customer), unless caused by the willful misconduct or gross negligence of Halliburton, this provision applying to but not limited to subsurface damage and surface damage arising from subsurface damage.
- (c) Customer shall be responsible for and secure Halliburton against any liability for reservoir loss or damage, or property damage resulting from subsurface pressure loss or control of the well and/or a well blowout, unless such loss or damage is caused by the willful misconduct or gross negligence of Halliburton.
- (d) Customer shall be responsible for and secure Halliburton against any and all liability of whatsoever nature for damages as a result of subsurface trespass, or action in the nature thereof, arising from a service operation performed by Halliburton hereunder.
- (e) Customer shall be responsible for and secure Halliburton against any liability for injury to or death of persons, other than employees of Halliburton, or damage to property (including, but not limited to, injury to the well), or any damages whatsoever, irrespective of cause, growing out of or in any way connected with use of radioactive material in the well hole, unless such damage shall be caused by the willful misconduct or gross negligence of Halliburton.
- (f) Halliburton makes no guarantee of the effectiveness of the products, supplies or materials, nor of the results of any treatment or service.
- (g) 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. 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 less 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.
- (h) 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 accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by Halliburton. Halliburton personnel will make their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be responsible for damages arising from the use of such information except where due to Halliburton's gross negligence or willful misconduct in the preparation or furnishing of such information.
- (i) 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.
- (j) Upon Customer's failure to pay to Halliburton the amount of any account 60 days after date of invoice, such account will thereafter be subject to interest until paid. In the event it becomes necessary for Halliburton to employ an attorney to enforce collection of such account, Customer agrees to pay all collection costs and attorney fees in full, plus the amount of 20 percent of the amount of the unpaid account.
- (k) 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.

BEST IMAGE
AVAILABLE

AUG 22 1979

SUNMARK EXP. CO.
E & P DRILLING OPNS.I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT
THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENTSIGNED [Signature] CUSTOMERDATE 8-16-79TIME 12:00 A.M. P.M.

We 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

FORM 2



00264031

| CHART NO. | TIME | RATE (BPM) | VOLUME (BBL) (GAL) | PUMPS | | PRESSURE (PSI) | | DESCRIPTION OF OPERATION AND MATERIALS |
|-----------|-------|------------|--------------------|-------|---|----------------|--------|--|
| | | | | T | C | TUBING | CASING | |
| | 07:00 | | | | | | | Float Equip. Called For |
| | 12:00 | | | | | | | Float Equip. on Loc. |
| | 18:00 | | | | | | | Truck's called For. |
| | 21:00 | | | | | | | Trucks on Loc. |
| | 23:00 | | | | | | | Waiting on casing crew |
| 1 | 0400 | 6 | 20 | | | 300 | | PUMP 20 BBLs mud Flush |
| 2 | 0410 | 6 | 59 | | | 250 | | Ahead of Cement |
| 3 | 0425 | 6 | | | | | | START MIXING Cement |
| 4 | 3426 | | | | | | | FINISH MIXING Cement |
| | | | | | | | | WASH Pumps & Lines - DROP |
| | | | | | | | | TOP PLUG |
| 5 | 0428 | 5 | | | | 500 | | START DISPLACEMENT |
| 6 | 0453 | 2 | 158 | | | 1000 | | BUMP PLUG Pressure up |
| | | | | | | | | 500 PSI OVER Pump Pressure |
| | | | | | | | | CHECK FLOAT WHICH DID |
| | | | | | | | | HOLD |
| | 0455 | | | | | | | TRUCK Released |
| | | | | | | | | THANK YOU |

BEST IMAGE
AVAILABLE

RECEIVED

AUG 22 1979

SUNMARK EXP. CO.
E & P DRILLING OPNS.

CUSTOMER



HALLIBURTON DIVISION DENVER
HALLIBURTON LOCATION VERNAL

BILLED ON TICKET NO. 602636

FIELD GREAT DIVIDE SEC. 6 TWP. 8N RNG. 92W COUNTY MOFFAT STATE COLO.

FORMATION NAME _____ TYPE _____
FORMATION THICKNESS _____ FROM _____ TO _____
INITIAL PROD: OIL _____ SPD. WATER _____ SPD. GAS _____ MCFD
PRESENT PROD: OIL _____ SPD. WATER _____ SPD. GAS _____ MCFD
COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____
PACKER TYPE _____ SET AT _____
BOTTOM HOLE TEMP. _____ PRESSURE _____
MISC. DATA _____ TOTAL DEPTH _____

| | NEW USED | WEIGHT | SIZE | FROM | TO | MAXIMUM PSI ALLOWABLE |
|--------------|----------|--------|-------|------|------|-----------------------|
| CASING | N | 17 | 5 1/2 | Ø | 6850 | |
| LINER | | | | | | |
| TUBING | | | | | | |
| OPEN HOLE | | | | | | SHOTS/FT. |
| PERFORATIONS | | | | | | |
| PERFORATIONS | | | | | | |
| PERFORATIONS | | | | | | |

| TOOLS AND ACCESSORIES | | |
|--------------------------------|-----------|--------------|
| TYPE AND SIZE | QTY. | MAKE |
| FLOAT COLLAR <u>Super Seal</u> | <u>1</u> | <u>HALCO</u> |
| FLOAT SHOE <u>Super Seal</u> | <u>1</u> | <u>HALCO</u> |
| GUIDE SHOE | | |
| CENTRALIZERS <u>53 5 1/2</u> | <u>10</u> | <u>HALCO</u> |
| BOTTOM PLUG <u>5W 5 1/2</u> | <u>1</u> | <u>HALCO</u> |
| TOP PLUG | | |
| HEAD <u>SA4 5 1/2</u> | <u>1</u> | <u>HALCO</u> |
| PACKER | | |
| OTHER <u>NSM 1/8</u> | <u>1</u> | <u>HALCO</u> |

| JOB DATA | | PERSONNEL AND SERVICE UNITS | |
|-------------------|-------------------|-----------------------------|------------------|
| CALLER OUT | ON LOCATION | JOB STARTED | JOB COMPLETED |
| DATE <u>8-16</u> | DATE <u>8-16</u> | DATE <u>8-17</u> | DATE <u>8-17</u> |
| TIME <u>07:00</u> | TIME <u>12:00</u> | TIME <u>0400</u> | TIME <u>0455</u> |

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. API
DISPL. FLUID _____ DENSITY _____ LB/GAL. API
PROP. TYPE _____ SIZE _____ LB.
PROP. TYPE _____ SIZE _____ LB.
ACID TYPE _____ GAL. %
ACID TYPE _____ GAL. %
ACID TYPE _____ GAL. %
SURFACTANT TYPE _____ GAL. IN
HE AGENT TYPE _____ GAL. IN
FLUID LOSS ADD. TYPE _____ GAL.-LB. IN
GELLING AGENT TYPE _____ GAL.-LB. IN
FRIC. RED. AGENT TYPE _____ GAL.-LB. IN
BREAKER TYPE _____ GAL.-LB. IN
BLOCKING AGENT TYPE _____ GAL.-LB.
PERFPAC BALLS TYPE _____ QTY. _____
OTHER _____
OTHER _____

| NAME | UNIT NO. & TYPE | LOCATION |
|----------------|----------------------------|--------------------------------|
| <u>W. HALL</u> | <u>PICKUP</u> | <u>UTAH</u> |
| <u>A FINK</u> | | |
| <u>Willmes</u> | <u>9574</u> <u>3996</u> | <u>VERNAL</u> <u>VERNAL</u> |

BEST IMAGE AVAILABLE

DEPARTMENT Cmt.
DESCRIPTION OF JOB 5 1/2 Longstring

JOB DONE THRU: TUBING ☐ CASING ☒ ANNULUS ☐ TEG./ANN. ☐

CUSTOMER REPRESENTATIVE XICW Sander
HALLIBURTON OPERATOR Wade Hall A Fink COPIES REQUESTED _____

| STAGE | NUMBER OF SACKS | TYPE | API CLASS | BRAND | BULK SACKED | ADDITIVES | YIELD CU.FT./SK. | MIXED LBS./GAL. |
|------------|-----------------|------|-----------|-------|-------------|-----------|------------------|-----------------|
| <u>JPO</u> | <u>260</u> | | | | | | <u>1.28/42</u> | |

PRESSURES IN PSI
CIRCULATING 200 DISPLACEMENT 200
BREAKDOWN _____ MAXIMUM 1000
AVERAGE _____ FRACTURE GRADIENT _____
SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____
HYDRAULIC HORSEPOWER _____
ORDERED _____ AVAILABLE _____ USED _____
AVERAGE RATES IN BPM _____
TREATING _____ DISPL. _____ OVERALL _____
CEMENT LEFT IN PIPE _____
FEET _____ REASON _____

SUMMARY
PRESLUSH: BBL-GAL. 20 TYPE MUD FLUSH
LOAD & BKDN: BBL-GAL. _____ PADI BBL-GAL. _____
TREATMENT: BBL-GAL. _____ DISPLI BBL-GAL. 157

REMARKS
59
P36
AUG 22 1979

SUNMARK EXP. CO.
E & P DRILLING OPNS.
CUSTOMER



WELL DATA

FIELD Great SEC. _____ TWP. _____ RNG. _____ COUNTY Moffat STATE Colo

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. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH _____

| | NEW USED | WEIGHT | SIZE | FROM | TO | MAXIMUM PSI ALLOWABLE |
|--------------|----------|--------|------|------|----|-----------------------|
| CASING | | | | | | |
| LINER | | | | | | |
| TUBING | | | | | | |
| OPEN HOLE | | | | | | SHOTS/FT. |
| PERFORATIONS | | | | | | |
| PERFORATIONS | | | | | | |
| PERFORATIONS | | | | | | |

TOOLS AND ACCESSORIES

JOB DATA

| CALLED OUT | ON LOCATION | JOB STARTED | JOB COMPLETED |
|--------------------|------------------|-------------------|-------------------|
| DATE <u>7-7-76</u> | DATE <u>7-31</u> | DATE <u>7-31</u> | DATE <u>7-31</u> |
| TIME <u>7:00</u> | TIME <u>7:40</u> | TIME <u>17:40</u> | TIME <u>08:05</u> |

PERSONNEL AND SERVICE UNITS

| NAME | UNIT NO. & TYPE | LOCATION |
|---------------|-----------------|---------------|
| <u>Hinks</u> | <u>212</u> | <u>Vernal</u> |
| <u>LENK</u> | <u>C7</u> | |
| <u>ALUMES</u> | <u>9274 200</u> | |
| | <u>EM</u> | |

BEST IMAGE
AVAILABLEDEPARTMENT mtDESCRIPTION OF JOB mt 8-6 - in holeJOB DONE THRU: TUBING ☐ CASING ☐ ANNULUS ☐ TBG./ANN. ☐CUSTOMER
REPRESENTATIVE X Ken SandersHALLIBURTON
OPERATOR VtCOPIES
REQUESTED _____

CEMENT DATA

| STAGE | NUMBER OF SACKS | TYPE | API CLASS | BRAND | BULK SACKED | ADDITIVES | YIELD CU.FT./SK. | MIXED LBS./GAL. |
|----------|-----------------|--------------|-----------|----------|-------------|---------------------|------------------|-----------------|
| <u>1</u> | <u>100</u> | <u>skd H</u> | <u>SW</u> | <u>P</u> | <u>CC</u> | <u>1/4 lb flocc</u> | <u>1.15</u> | <u>11.5</u> |

PRESSURES IN PSI

SUMMARY

VOLUMES

| | | | |
|------------------------|-------------------------|-------------------------------------|----------------------------|
| CIRCULATING _____ | DISPLACEMENT _____ | PRESLUSH: BBL-GAL. <u>10</u> | TYPE <u>H₂O</u> |
| BREAKDOWN _____ | MAXIMUM _____ | LOAD & SKID: BBL-GAL. _____ | PAD: BBL-GAL. _____ |
| AVERAGE _____ | FRACTURE GRADIENT _____ | TREATMENT: BBL-GAL. _____ | DISPL: BBL-GAL. <u>20</u> |
| SHUT-IN: INSTANT _____ | 5-MIN. _____ | CEMENT SLURRY: BBL-GAL. <u>10</u> | |
| HYDRAULIC HORSEPOWER | | TOTAL VOLUME: BBL-GAL. _____ | |
| ORDERED _____ | AVAILABLE _____ | REMARKS <u>Coculated amx. 15-70</u> | |
| AVERAGE RATES IN BPM | | <u>ct cement return</u> | |
| TREATING _____ | DISPL. _____ | | |
| CEMENT LEFT IN PIPE | | | |
| FEET _____ | REASON _____ | | |

CUSTOMER

CUSTOMER

LEASE

FRANCIS LOWE

WELL NO.

#1

JOB TYPE

DATE

8/8 Surface
7-31-79

WELL NO.

LEASE FRANCIS LOWE

TICKET: 1963

1770

CUSTOMER

Summarize

PAGE NO.

JOE TYPE

f. 1/4 surface csc

DATE _____

7-1

FORM



| CHART NO. | TIME | RATE (BPM) | VOLUME (BBL) (GAL) | PUMPS | | PRESSURE (PSI) | | DESCRIPTION OF OPERATION AND MATERIALS |
|-----------|------|------------|--------------------|-------|---|----------------|--------|--|
| | | | | T | C | TUBING | CASING | |
| | 2420 | | | | | | | Tras on lcc @ 2400 |
| 1 | 0712 | 5 | 10 | | | | | 250 10 ppc H ₂ O Ahead |
| 2 | 0744 | 6 | 18 | | | | | 40c Mix Cmt 360 5x8 |
| 3 | 0755 | - | - | | | | | - Drop top plug |
| 4 | 0757 | 5 | 37 | | | | | 40c Disp w/ 32 BPL H ₂ O |
| 5 | 0800 | - | 32 | | | | | ecc H ₂ o down @ ECO, ISI |
| 6 | 0834 | - | - | | | | | - Kellerie PSI- Check -kc |
| 7 | 0805 | - | - | | | | | - F.C. kb |
| | | | | | | | | THANKS |
| | | | | | | | | BEST IMAGE AVAILABLE |
| | | | | | | | | RECEIVED |
| | | | | | | | | AUG 6 1979 |
| | | | | | | | | SUNMARK EXP. CO. E & P OPERATIONS |

**BEST IMAGE
AVAILABLE**

RECEIVED

~~AUG 6 1979~~

SUNMARK EXP. CO.
E & P OPERATIONS

CUSTOMER

JOB SUMMA



FORM 1012 R-2

JURY
ATIONBILLED ON
TICKET NO.

602205

CUSTOMER

FIELD Great Dyvede SEC. _____ TWP. _____ RNG. _____ COUNTY Moffat STATE Colo

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. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH _____

WELL DATA

| | NEW USED | WEIGHT | SIZE | FROM | TO | MAXIMUM PSI ALLOWABLE |
|--------------|-------------|--------|--------|------|------|--------------------------|
| CASING | | 24 | 2 1/2 | FR | SK | |
| LINER | | | | | | |
| TUBING | | | | | | |
| OPEN HOLE | | | 12 1/4 | KF | 2 de | SHOTS/FT. |
| PERFORATIONS | | | | | | |
| PERFORATIONS | | | | | | |
| PERFORATIONS | | | | | | |

JOB DATA

| CALLED OUT | ON LOCATION | JOB STARTED | JOB COMPLETED |
|------------|-------------|-------------|---------------|
| DATE 7-26 | DATE 7-31 | DATE 7-31 | DATE 7-31 |
| TIME 2000 | TIME 2400 | TIME 0740 | TIME 0805 |

PERSONNEL AND SERVICE UNITS

| NAME | UNIT NO. & TYPE | LOCATION |
|---------|-----------------|----------|
| HANKS | 810 | Vernol |
| FEAR | C2 | |
| GLUMMIS | 904 394 | |
| | BM | |

BEST IMAGE
AVAILABLE

DEPARTMENT

DESCRIPTION OF JOB

JOB DONE THRU: TUBING ☐ CASING ☐ ANNULUS ☐ TRG./ANN. ☐CUSTOMER
REPRESENTATIVEHALLIBURTON
OPERATORCOPIES
REQUESTED

CEMENT DATA

| STAGE | NUMBER OF SACKS | TYPE | API CLASS | BRAND | BULK SACKED | ADDITIVES | YIELD CU.FT./SK. | MIXED LBS./GAL. |
|-------|--------------------|-------|--------------|-------|----------------|-------------------|---------------------|--------------------|
| 1 | 200 | Ned H | 2W | P | 24 | CEC, 1/4 lb flocc | 1.18 | K 6 |

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____

BREAKDOWN _____ MAXIMUM _____

AVERAGE _____ FRACTURE GRADIENT _____

SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____

PRESLUSH: BBL-GAL. 10

LOAD & SKID: BBL-GAL. _____

TREATMENT: BBL-GAL. _____

CEMENT SLURRY: BBL-GAL. 68

TOTAL VOLUME: BBL-GAL. _____

TYPE H₂O

PAD: BBL-GAL. _____

DISPL: BBL-GAL. 32

HYDRAULIC HORSEPOWER

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET 4/2 REASON The joint

REMARKS

Circulated approx. 15-20

Bbls of cement returns

CUSTOMER

FRANCIS LOWE

WELL NO.

JOB TYPE

DATE

7-31-79

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SUMMIT EXP. CO.
E&P OPERATIONS

JOB L



FORM 2013 R-2

| CHART NO. | TIME | RATE (BPM) | VOLUME (BBL) (GAL) | PUMPS | | PRESSURE (PSI) | | DESCRIPTION OF OPERATION AND MATERIALS |
|-----------|------|------------|--------------------|-------|---|----------------|--------|--|
| | | | | T | C | TUBING | CASING | |
| | 2400 | | | | | | | Trk1 on /cc @ 2400 |
| 1 | 0747 | 5 | 10 | | | | | 250 14 PPL H ₂ O Ahead |
| 2 | 0744 | 6 | 18 | | | | | 400 Mix Cmt 360 SXS |
| 3 | 0751 | — | — | | | | | — Drop top plug |
| 4 | 0757 | 5 | 32 | | | | | 400 DHP w/ 32 BPL H ₂ O |
| 5 | 0800 | — | 32 | | | | | 600 14 1/4 dian @ ECO PSI |
| 6 | 0844 | — | — | | | | | + Kefer e PSI check the |
| 7 | 0905 | — | — | | | | | — Fcd plb |

Thanks

BEST IMAGE
AVAILABLE

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SUNMARK EXP. CO.
E & P OPERATIONS

CUSTOMER