

# Subsequent Report of Abandonment

## FILE NOTATIONS

Entered in NID File ..... ✓  
 Location Map Pinned ..... ✓  
 Card Indexed ..... ✓

Checked by Chief ..... *[Signature]*  
 Approval Letter .....  
 Disapproval Letter .....

- Verbal approval  
 8-06-68

## COMPLETION DATA:

Date Well Completed *9-27-68*

Location Inspected .....

OW..... VW..... TA.....  
 GW..... OS..... PA. ✓

Bond released  
 State or Fee Land .....

## LOGS FILED

Driller's Log *10-3-68*

Electric Logs (No.) *3*.....

E..... I..... Dual I Lat. ✓..... GR-N..... Micro.....

BHC Sonic GR..... Lat..... Mi-L..... Sonic.....

CBLog..... GCLog..... Others.....

*Compensated Harmonic Density log  
 Sidewall Neutron Porosity log*



**SINCLAIR OIL & GAS COMPANY**

501 LINCOLN TOWER BUILDING

1860 LINCOLN STREET

DENVER, COLORADO 80203

August 21, 1968

WESTERN REGION

Oil and Gas Conservation Commission  
State of Utah  
1588 West Temple  
Salt Lake City, Utah 84116

Re: Lease No. 0145034  
Sec. 15-39S-22E  
San Juan County, Utah

Gentlemen:

This is to advise you that the Sinclair Oil & Gas Company does not object to Mountain Fuel Supply Company's unorthodox location located on the captioned lease which falls 1,720 feet from the North line and 460 feet from the East line in Section 15. ✓

Yours very truly,

L. Stanley  
Exploration Supervisor

LS/kh

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL  DEEPEN  PLUG BACK

b. TYPE OF WELL OIL WELL  GAS WELL  OTHER  SINGLE ZONE  MULTIPLE ZONE

2. NAME OF OPERATOR Mountain Fuel Supply Company

3. ADDRESS OF OPERATOR P. O. Box 1129, Rock Springs, Wyoming 82901

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)  
At surface 1720' FNL, 460' FEL NE SE NE  
At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
10 miles north of Bluff, Utah

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 920' -

16. NO. OF ACRES IN LEASE 800.00

17. NO. OF ACRES ASSIGNED TO THIS WELL -

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED OR APPLIED FOR, ON THIS LEASE, FT. 1950' Cowboy # 1

19. PROPOSED DEPTH 6030'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) GR 4830'

22. APPROX. DATE WORK WILL START\* August 29, 1968

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13-3/4	10-3/4 ✓	32.75 ✓	300 ✓	175 ✓
7-7/8	5-1/2	17	To be determined	

We would like your permission to drill the subject well to an estimated depth of 6030', anticipated formation tops are as follows: Morrison-Summerville-Entrada, Carmel at the surface, Navajo at 780', Kayenta-Wingate at 1530', Chinle at 1805', Shinarump at 2530', Moenkopi at 2595', DeChelly at 2890', Organ Rock at 3010', Cutler Evaporites at 3670', Hermosa Group at 4860', Ismay zone at 5690', B Marker at 5880', Desert Creek at 5925' and Akah at 6025'.

This unorthodox location was made due to topographic and geological reasons. The Utah Oil & Gas Conservation Division has no objection to this location.

43-037-30020

Verbal - 8-26-68

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED B. W. Craft pz TITLE General Manager, Gas Supply Operations DATE August 26, 1968

(This space for Federal or State office use)

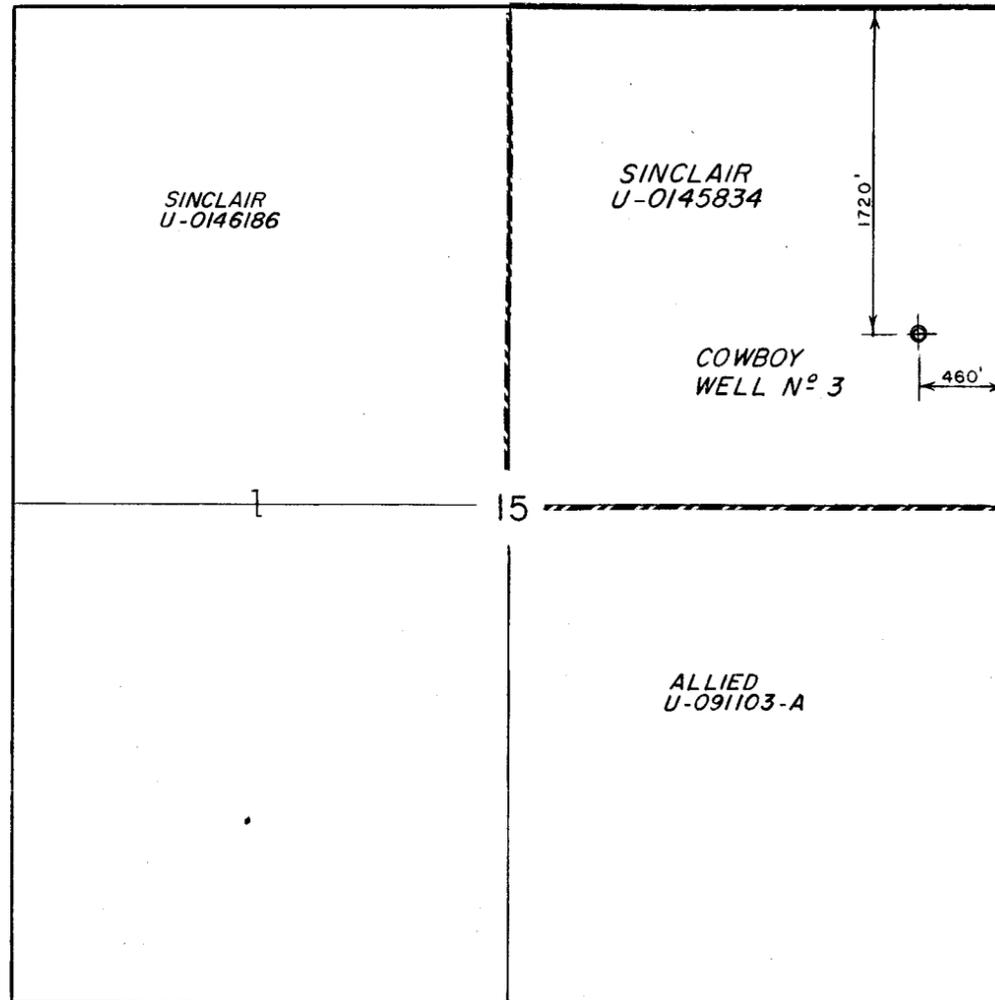
PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

T. 39S., R. 22E. S.L.B. & M.

UTAH



**LOCATION DATA**

WELL - Cowboy N° 3

FIELD - Cowboy

**LOCATION**

1720' From North Line  
 460' From East Line  
 SE NE Sec. 15, T. 39S., R. 22E. S.L.B. & M.  
 San Juan County, Utah

**ELEVATION**

4830' ground

**SURVEYED BY**

Ernst Engineering Co., Durango, Colorado

**DATE OF REPORT**

August 20, 1968

**REMARKS**

Well elevation natural ground

ENGINEER'S AFFIDAVIT

STATE OF WYOMING }  
 COUNTY OF SWEETWATER } s.s.

I, K.A. Loya of Rock Springs Wyoming, hereby certify that this map was made from notes taken during an actual survey made under my direction by Ernst Engineering Co. Durango, Colorado on August 20, 1968; and that it correctly represents the location thereon with section measurements based on the official survey Plat of Township 39S., R. 22E., S.L.B. & M. UTAH

*K.A. Loya*  
 Engineer

Utah Registration N° 2707

REVISIONS				MOUNTAIN FUEL SUPPLY COMPANY ROCK SPRINGS, WYOMING	
NO.	DESCRIPTION	DATE	BY	WELL LOCATION COWBOY WELL N° 3 SE NE SEC. 15, T. 39S., R. 22E. S.L.B. & M. SAN JUAN COUNTY, UTAH	
				CHECKED: <i>Rum</i>	DRWG. NO. M-9362
				APPROVED: KAL	

August 28, 1968

Mountain Fuel Supply Company  
P. O. Box 1129  
Rock Springs, Wyoming 82901

Re: Well No. Cowboy #3,  
Sec. 15, T. 39 S., R. 22 E.,  
San Juan County, Utah.

Gentlemen:

This letter is to confirm verbal approval to drill the above mentioned well granted by me on August 26, 1968 in accordance with Rule C-3(c).

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

PAUL W. BURCHELL, Chief Petroleum Engineer  
HOME: 277-2890  
OFFICE: 328-5771

This approval terminates within 90 days if the well has not been spudded-in within said period.

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered while drilling. Your cooperation with respect to completing this form will be greatly appreciated.

Mountain Fuel Supply Company

August 28, 1968

-2-

The API number assigned to this well is 43-037-30020 (see Bulletin D 12 published by the American Petroleum Institute).

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FEIGHT  
DIRECTOR

CBF:sc

cc: U. S. Geological Survey  
Jerry Long, District Engineer  
Box 1809  
Durango, Colorado

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPL  
(Other instructions  
verse side)

Form approved.  
Budget Bureau No. 42-R1424

5. LEASE DESIGNATION AND SERIAL NO.

U-0145834

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
Mountain Fuel Supply Company

3. ADDRESS OF OPERATOR  
P. O. Box 1129, Rock Springs, Wyoming 82901

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface  
1720' FNL, 460' FEL SE NE

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Cowboy

9. WELL NO.  
13

10. FIELD AND POOL, OR WILDCAT  
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
15-39S-22E., 91B&M

14. PERMIT NO.  
-

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
GR 4830'

12. COUNTY OR PARISH  
San Juan

13. STATE  
Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF   
FRACTURE TREAT   
SHOOT OR ACIDIZE   
REPAIR WELL   
(Other)

PULL OR ALTER CASING   
MULTIPLE COMPLETE   
ABANDON\*   
CHANGE PLANS

SUBSEQUENT REPORT OF

WATER SHUT-OFF   
FRACTURE TREATMENT   
SHOOTING OR ACIDIZING   
(Other) Supplementary history

REPAIRING WELL   
ALTERING CASING   
ABANDONMENT\*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting and proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Depth 956', making DST #1.

Spudded September 1, 1968.

18. I hereby certify that the foregoing is true and correct

SIGNED B. W. Croft

General Manager,  
Gas Supply Operations

DATE Sept. 4, 1968

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPL  
(Other instructions  
verse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U - 0145834

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
Mountain Fuel Supply Company

3. ADDRESS OF OPERATOR  
P. O. Box 1129, Rock Springs, Wyoming 82901

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface

1720' FNL, 460' FEL SE NE

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

KB 4841.05' GR 4830'

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Cowboy

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T. R. OR BLK. AND SURVEY AREA

15-39S-22E., LB&M

12. COUNTY OF PARISH 13. STATE

San Juan Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

Supplementary history

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting and proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Depth 4080', drilling.

DST #1: 956-760', Navajo, IO 1/2 hour, ISI 1 hour, FO 1 hour, FSI 1 hour, opened with strong blow decreasing to dead in 7 minutes, reopened dead, no gas to surface recovered 531' drilling mud. IHP 394, IOFP's 196-262, ISIP 262, FOFP's 262-262, FSIP 262, FHP 390 psi.

18. I hereby certify that the foregoing is true and correct

SIGNED

BW Craft

TITLE

General Manager,  
Gas Supply Operations

DATE

Sept 11, 1968

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPL  
(Other instructions  
verse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U - 0145834

6. IF INDIAN, ALLOTTEE OR TRUST NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1.

OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR

Mountain Fuel Supply Company

3. ADDRESS OF OPERATOR

P. O. Box 1129, Rock Springs, Wyoming 82901

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface

1720' FNL, 460' FEL SE NE

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

KB 4841.05' GR 4830'

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Cowboy

9. WELL NO.

10. FIELD AND POOL, OR WELL NAME

Wildcat

11. SEC. T. R. M. OR B&M. SURVEY OR AREA

15-39S R2E, S18E

12. COUNTY OR PARISH

San Juan

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

Supplementary history

(NOTE: Report results of multiple completion or Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting and proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and pertinent to this work.)\*

Depth 5267', drilling.

Landed 10-3/4"OD, 32.75#, H-40 (305.35' net, 307.05' gross) casing at 5267' and set with 175 sacks of cement, good returns prior to and while cementing, 10' of cement inside the casing, no cement returned to surface, ran 1" pipe to 53' KBM, tagged top of cement, cemented through 1" pipe with 95 sacks of cement good returns to surface.

18. I hereby certify that the foregoing is true and correct

SIGNED

*B. W. Cropper*

TITLE

General Manager,  
Gas Supply Operations

DATE

Sept 11 1968

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRI  
(Other instructions  
verse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U - 0145834

6. IF INDIAN ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
Mountain Fuel Supply Company

3. ADDRESS OF OPERATOR  
P. O. Box 1129, Rock Springs, Wyoming 82901

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface

1720' FNL, 460' FEL SE NE

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Cowboy

9. WELL NO.

10. FIELD AND POOL, OR WELLS

Wildcat

11. SEC., T., R., M., OR B&M, AND SURVEY OR AREA

15-39S, 2E., S1E&M

12. COUNTY OR PARISH 13. STATE

San Juan Utah

14. PERMIT NO. - 15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
KB 4841.05' GR 4830'

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF  PULL OR ALTER CASING   
FRACTURE TREAT  MULTIPLE COMPLETE   
SHOOT OR ACIDIZE  ABANDON\*   
REPAIR WELL  CHANGE PLANS   
(Other)

SUBSEQUENT REPORT:

WATER SHUT-OFF   
FRACTURE TREATMENT   
SHOOTING OR ACIDIZING   
(Other) Supplementary History

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting and proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and pertinent to this work.)\*

Depth 5911', making rig repairs.

DST #2: 5780-5720', Ismay, mis-run, had 50' fill up, did not try to open tool.

DST #3: 5780-5720', Ismay, IO 1/2 hour, ISI 1 hour, FO 1 1/2 hours, FSI 1 hour, opened with strong blow, reopened with weak blow decreasing to dead in 1 1/2 hours, no gas to surface, recovered 210' mud and 90' slightly oil and gas cut mud. IHP 2841, IOFP's 281-281, ISIP 229, FOFP's 170-210, FSIP 200, FHP 2841 psi.

DST #4: 5840-5780', Ismay, IO 1/2 hour, ISI 1 hour, FO 3 hours, FSI 3 hours, opened with medium blow, reopened with weak blow increasing to medium blow in 1 hour, decreased to dead in 3 hours, recovered 190' slightly gas cut mud, 10' gas cut and 30' gas cut water. IHP 2803, IOFP's 105-124, ISIP 1770, FOFP's FSIP 2057, FHP 2803 psi.

18. I hereby certify that the foregoing is true and correct

SIGNED BW Craft

General Manager,  
Gas Supply Operations

DATE 10/16/68

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIP  
(Other instruction  
verse side)

Form approved.  
Budget Bureau No. 42-R1424

5. LEASE DESIGNATION AND SERIAL NO.  
U - 0145834

6. IF INDIAN, ALLOTTEE OR TRUST NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Cowboy

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT  
Wildcat

11. SEC., T., R., M. OR BLK. AND SURVEY AREA  
15-39S22E., S1B&M

12. COUNTY OR PARISH AND STATE  
San Juan Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL  GAS WELL  OTHER  Wildcat

2. NAME OF OPERATOR  
Mountain Fuel Supply Company

3. ADDRESS OF OPERATOR  
P. O. Box 1129, Rock Springs, Wyoming 82901

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\* See also space 17 below.)  
At surface  
1720' FNL, 460' FEL SE NE

14. PERMIT NO. -

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
KB 4841.05' GR 4830'

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data.

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input checked="" type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(Other)		(Other)	Supplementary history

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting and proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

TD 6063', rig released September 27, 1968.

DST #5: 5911-5845', Ismay, IO 1/2 hour, ISI 1 hour, FO 2 hours, FSI 2 hours, opened with weak blow, dead in 28 minutes, reopened very weak, dead in 3/4 hour, no gas, recovered 10' drilling mud. IHP 2812, IOFP's 28-28, ISIP 57, FOFP's 28-38, FSIP 66, FHP 2812.

DST #6: 5990-5935', Desert Creek, IO 1/2 hour, ISI 1/2 hour, FO 1 hour, FSI 1 hour, opened with very weak blow, dead in 20 minutes, reopened dead, no gas, recovered 10' drilling mud. IHP 2912, IOFP's 14-14, ISIP 34, FOFP's 24-24, FSIP 54, FHP 2902.

Verbal approval to plug and abandon the subject well was granted on September 26, 1968 by Mr. Jerry Long of the U.S.G.S. during a telephone conversation with Mr. Jerry Long of Mountain Fuel by laying the following plugs:

- Plug No. 1: 5825-5675', 45 sacks
- Plug No. 2: 4900-4800', 30 sacks
- Plug No. 3: 3700-3600', 30 sacks
- Plug No. 4: 1800-1700', 30 sacks
- Plug No. 5: 800-700', 30 sacks
- Plug No. 6: 350-300', 25 sacks
- Plug No. 7: 10 sacks in surface.

18. I hereby certify that the foregoing is true and correct

SIGNED B. H. Craft, Jr. TITLE General Manager, Gas Supply Operations DATE Sept. 30, 1968

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

SUBMIT IN TRIPLI (Other instructions verse side)

Form approved. Budget Bureau No. 42-R1424

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL [ ] GAS WELL [ ] OTHER Wildcat
2. NAME OF OPERATOR Mountain Fuel Supply Company
3. ADDRESS OF OPERATOR P. O. Box 1129, Rock Springs, Wyoming 82901
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\* See also space 17 below.) At surface 1720' FNL, 460' FEL SE NE
14. PERMIT NO. - 15. ELEVATIONS (Show whether DF, RT, GR, etc.) KB 4841.05' GR 4830'
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME Cowboy
9. WELL NO.
10. FIELD AND POOL, OR WILDCAT Wildcat
11. SEC., T., R., M., OR BEE. AND SURVEY OR AREA 15-39S-22E., S1B&M
12. COUNTY OR PARISH, STATE San Juan Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data
NOTICE OF INTENTION TO: TEST WATER SHUT-OFF [ ] PULL OR ALTER CASING [ ] WATER SHUT-OFF [ ]
FRACTURE TREAT [ ] MULTIPLE COMPLETE [ ] FRACTURE TREATMENT [ ]
SHOOT OR ACIDIZE [ ] ABANDON\* [ ] SHOOTING OR ACIDIZING [ ]
REPAIR WELL [ ] CHANGE PLANS [ ] (Other) [ ]
(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting and proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and pertinent to this work.)\*
TD 6063', rig released on September 27, 1968, well plugged and abandoned as follows:
Plug No. 1: 5825-5675', 45 sacks
Plug No. 2: 4900-4800', 30 sacks
Plug No. 3: 3700-3600', 30 sacks
Plug No. 4: 1800-1700', 30 sacks
Plug No. 5: 800-700', 30 sacks
Plug No. 6: 350-300', 25 sacks
Plug No. 7: 10 sacks in surface.

The location will be cleaned and a regulation abandonment marker installed at later date.

18. I hereby certify that the foregoing is true and correct
SIGNED B. W. Croft TITLE General Manager, Gas Supply Operations DATE Oct 1 1968
APPROVED BY TITLE DATE
CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R355.5

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

5. LEASE, RESIGNATION, AND SERIAL NO.  
**U - 045834**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
**Cowboy**

9. WELL NO.  
**3**

10. FIELD AND POOL, OR WILDCAT  
**Wildcat**

11. SEC., T. & R., M., OR BLOCK AND SURVEY OR AREA  
**15-39S-22E., 51B&M**

12. COUNTY OR PARISH  
**San Juan**

13. STATE  
**Utah**

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other

b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RESVR.  Other

2. NAME OF OPERATOR  
**Mountain Fuel Supply Company**

3. ADDRESS OF OPERATOR  
**P. O. Box 1129, Rock Springs, Wyoming 82901**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface **1720' FNL, 460' FEL SE NE**  
At top prod. interval reported below  
At total depth **Same**

14. PERMIT NO. **-** DATE ISSUED **-**

15. DATE SPUNDED **9-1-68** 16. DATE T.D. REACHED **9-25-68** 17. DATE COMPL. (Ready to prod.) **9-27-68** 18. ELEVATIONS (DF, RKB, RT, GR, ETC.) **KB 4841.05' GR 4830'** 19. ELEV. CASING HEAD

20. TOTAL DEPTH, MD & TVD **6063** 21. PLUG, BACK T.D., MD & TVD **0** 22. IF MULTIPLE COMPL., HOW MANY\* **→** 23. INTERVALS DRILLED BY ROTARY TOOLS **0-6063** CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
**Dry and abandoned**

25. WAS DIRECTIONAL SURVEY MADE? **NO**

26. TYPE ELECTRIC AND OTHER LOGS RUN  
**Dual Induction-Laterolog, GR Formation Density, Sidewall Neutron Porosity**

27. WAS WELL CORDED? **NO**

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
10-3/4	32.75	316.40	13-3/4	270	0

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER, SET (MD)

31. PERFORATION RECORD (Interval, size and number)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.\* PRODUCTION

DATE FIRST PRODUCTION **Dry & abandoned** PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)

WELL STATUS (Producing or shut-in) **shut-in**

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO	WATER-GAS RATIO	GRAVITY-APX (CORR)

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS  
**Well lithology**

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

SIGNED **BW Craft** TITLE **General Manager, Gas Supply Operations** DATE **Oct 2 1968**

\*(See Instructions and Spaces for Additional Data on Reverse Side)

8  
PI  
Coff

INDUCTIONS

FORM OGC-8-X

FILE IN QUADRUPLICATE

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL & GAS CONSERVATION  
1588 West North Temple

SALT LAKE CITY, UTAH 84111

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number Cowboy Well No. 3

Operator Mountain Fuel Supply Co. Address Salt Lake City Phone 328-8315

Contractor Cactus Drilling Address Farmington, New Mexico Phone

Location SE 1/4 NE 1/4 Sec. 15 T. 39 N R. 22 E San Juan County, Utah  
S W

Water Sands:

Depth		Volume	Quality
From	To	Flow Rate or Head	Fresh or Salty
1. 5780'	5846'	30' gas cut salt water recovered in drill stem test	
2.			
3.			
4.			
5.			

(Continued on reverse side if necessary)

Formation Tops:			
Navajo	757'	Desert Creek	5929'
Hermosa	4863'	Akah	6030'
Ismay	5695'		

Remarks:

- NOTE:
- (a) Upon diminishing supply forms, please inform this office,
  - (b) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure, (See back of form)
  - (c) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

FIELD Cowboy STATE Utah COUNTY San Juan SEC. 15 T. 39 S. R. 22 E.

COMPANY Mountain Fuel Supply Co. FARM Cowboy WELL NO. 3

LOCATION 1720' FNL, 460' FEL ELEV. 4841.5' K.B., 4830' Gr.

DRILLING COMMENCED Sept. 1, 1968 COMPLETED Sept. 25, 1968

RIG RELEASED Sept. 27, 1968 TOTAL DEPTH 6063'

CASING RECORD 10-3/4" landed at 316.40' KBM with 175 sacks.

TUBING RECORD \_\_\_\_\_

PERFORATIONS \_\_\_\_\_

			o
	15		

I. P. GAS Dry and abandoned OIL

SANDS \_\_\_\_\_

SHUT-IN SURFACE PRESSURES \_\_\_\_\_

REMARKS No cores<sup>4</sup>

	FROM	TO
Shale, red, grey, purple, variegated, hard, siliceous, crystalline; dolomite, reddish-brown, firm, silty, sandy; trace of sandstone, white, very fine-grained, soft to firm, tight.	4800	4810
Limestone, smokey brown to white, firm to hard, very fine crystalline.	4810	4826
Shale, as above.	4826	4830
Limestone, light tan to white, hard, very fine crystalline.	4830	4836
Shale, as above.	4836	4856
Limestone, as above.	4856	4858
Shale, as above.	4858	4870
Limestone, tannish-white, hard, very fine-grained.	4870	4890
Dolomite, dark grey to brownish-black, hard, fine crystalline, silty.	4890	4910
Sandstone, as above.	4910	4913
Shale, as above.	4913	4915
Sandstone, as above.	4915	4917
Shale, as above; dolomite, as above.	4917	4929
Limestone, as above; possible fossils.	4929	4943
Shale, as above.	4943	4945
Limestone, as above.	4945	4955
Shale, as above; shale, black, firm, carbonaceous siliceous.	4955	4966
Limestone, white, granular, firm; limestone, as above.	4966	4987
Shale, red, variegated, firm, silty; siltstone, red, soft, sandy.	4987	5056
Limestone, as above.	5056	5066
Siltstone, as above.	5066	5072
Sandstone, brown, firm, very fine-grained, tight, dolomitic.	5072	5078
Shale, as above.	5078	5086
Sandstone, as above.	5086	5090
Shale, as above; sandstone, as above.	5090	5150
Limestone, white, firm, granular.	5150	5156
Shale, as above.	5156	5157
Limestone, as above.	5157	5160
Shale, as above.	5160	5167
Limestone, as above.	5167	5169
Shale, as above.	5169	5180

	FROM	TO
Limestone, as above.	5180	5188
Shale, as above	5188	5194
Limestone, as above.	5194	5210
Shale, as above.	5210	5218
Limestone, as above.	5218	5230
Shale, as above.	5230	5252
Limestone, white, light grey to dark grey, firm, hard, very fine crystalline to coarse crystalline, silty in part.	5252	5289
Shale, variegated, red, firm to hard, silty.	5289	5290
Limestone, as above.	5290	5294
Shale, variegated, red, firm to hard, silty.	5294	5322
Limestone, as above.	5322	5325
Shale, as above.	5325	5326
Limestone, as above.	5326	5328
Shale, as above.	5328	5336
Limestone, as above.	5336	5337
Shale, as above.	5337	5365
Dolomite, dark greyish-brown, hard, fine crystalline.	5365	5373
Shale, as above.	5373	5380
Limestone, light tan to white, firm, very fine crystalline to fine crystalline.	5380	5401
Shale, as above.	5401	5429
Limestone, as above; limestone, brownish-black, hard, medium crystalline.	5429	5437
Shale, as above.	5437	5443
Limestone, white, light tan, firm, very fine crystalline to medium crystalline.	5443	5450
Shale, as above.	5450	5454
Limestone, as above.	5454	5471
Shale, as above.	5471	5474
Limestone, as above.	5474	5486
Shale, as above.	5486	5502
Limestone, as above.	5502	5521
Shale, green, red, firm to hard, occasionally silty.	5521	5541
Limestone, as above.	5541	5546
Shale, as above.	5546	5547
Limestone, as above.	5547	5555
Shale, as above.	5555	5558
Limestone, as above.	5558	5565
Shale, dark grey, red, variegated, firm.	5565	5590
Limestone, as above.	5590	5614
Shale, purple, green, red, soft.	5614	5630
Limestone, white, soft to firm, micro crystalline.	5630	5702
Shale, washed out of samples.	5702	5715
Limestone, white, smokey, tan, hard, micro crystalline to crypto crystalline (top of Ismay limestone).	5715	5780
Limestone, smokey to white, tan, whitish-brown, hard, micro crystalline, tight, fossil (pelecypod?); trace of chert, black; trace of shale, black, very hard, dolomitic.	5780	5840
Depth correction.	5840	5846
Limestone, as above.	5846	5856
Limestone, white, hard, micro crystalline, occasionally sandy.	5856	5902
Shale, black, hard, dolomitic, silty in part.	5902	5931
Dolomite, grey to dark grey, hard, coarse-grained, silty, occasionally pyritic, dense, tight; anhydrite.	5931	5968
Anhydrite.	5968	5970
Dolomite, as above.	5970	5990
Limestone, as above; abundant cavings.	5990	6010
Limestone, as above; some dolomite, as above; abundant cavings.	6010	6030
Limestone, as above.	6030	6045
Shale, black, firm, carbonaceous.	6045	6062

PF PAB

COMPLETION REPORT

Area: Cowboy Date: October 9, 1968

Well: Cowboy No. 3

New Field Wildcat       Development Well       Shallower Pool Test

New Pool Wildcat       Extension       Deeper Pool Test

Location: 1720 feet from N line, 460 feet from E line

SE  $\frac{1}{4}$  NE  $\frac{1}{4}$  or  $\frac{1}{2}$

Section 15, Township 39 S., Range 22 E.

County: San Juan State: Utah

Operator: Mountain Fuel Supply Company

Elevation: 4841.5 feet kelly bushing, 4830 feet ground

Drilling Commenced: Sept. 1, 1968 Drilling Completed: Sept. 25, 1968

Rig Released: Sept. 27, 1968 Total Depth: 6063 feet, Plug Back Depth: -- feet

Sample Tops: (unadjusted)

Log Tops:

Navajo	757'
Chinle	1778'
Shinarump	2490'
Moenkopi	2580'
De Chelly	2883'
Organ Rock	3010'
Cutler Evaporites	3657'
Hermosa	4863'
Ismay	5695'
"B" Zone	5884'
Desert Creek	5929'
Akah	6030'

Producing Formation: --

Production: --

Status: Dry and abandoned

Perforations: --

Stimulation: --

Casing: 10-3/4" landed at 316.40' KBM with 175 sacks.

Logging - Mud: --

Electric: Dual Induction - Laterolog to 6069'. Sidewall Neutron Porosity log 4400'-6068'. Gamma Ray - F Density log 4400'-6068'.

Contractor: Cactus Drilling Corp.

Remarks: No cores.

COMPLETION REPORT (cont.)

Area: Cowboy

Well: Cowboy No. 3

Tabulation of Drill Stem Tests

<u>DST</u>	<u>Interval</u>	<u>IFP</u>	<u>ISIP</u>	<u>FFP</u>	<u>FSIP</u>	<u>Remarks</u>
1	760'-956'	217-303 (33)	308 (60)	308-308 (60)	309 (61)	NGTS, 530' m.
2	5720'-5780'	Misrun				
3	5720'-5780'	202-190 (9)	238 (60)	222-176 (90)	206 (93)	NGTS, 210' m and 90' g&ocm.
4	5780'-5840'	15-148 (30)	1785 (60)	164-228 (180)	2087 (183)	NGTS, 340' gcm & 30' gcw.
5	5845'-5911'	36-35 (32)	67 (60)	32-40 (60)	81 (123)	NGTS, 10' m.
6	5935'-5990'	19-22 (30)	44 (30)	23-26 (60)	67 (63)	NGTS, 10' m.

VBG:cw