

FILE NOTATIONS

Entered in NID File _____
Entered On S R Sheet _____
Location Map Pinned _____ ✓
Card Indexed _____
I W R for State or Fee Land _____

Checked by Chief _____ *JMB*
Copy NID to Field Office _____
Approval Letter _____
Disapproval Letter _____

COMPLETION DATA:

Date Well Completed 7-28-64
OW _____ WW _____ TA _____
GW _____ OS _____ PA

Location Inspected _____
Bond released _____
State of Fee Land _____

LOGS FILED

Driller's Log 11-12-64
Electric Logs (No.) 3

E _____ I _____ E-I GR _____ GR-N _____ Micro _____
Lat _____ Mi-L _____ Son GR Others _____

Subsequent Report of Abandonment

LOCATION DATA

WELL - Unit No 4

FIELD - WELLS DRAW

LOCATION

1980' From North Line
 1980' From East Line
 C SW NE Sec 11, T10S., R 16E. S.L.B.&M
 Duchesne County, Utah

ELEVATION

6249 Ground
 By Stadia Levels from B.M. near Unit No 3

SURVEYED BY

Utah Engineering & Land Surveying on August 11th and 12th 1964.

DATE OF REPORT

August 14, 1964

REMARKS

Well Elevation for ground as graded

REVISIONS
DESCRIPTION

DATE BY

MOUNTAIN FUEL SUPPLY CO.
ROCK SPRINGS, WYO.

WELL LOCATION
WELLS DRAW UNIT WELL No 4

C SW NE SEC. 11, T. 10S., R. 16 E. S. L. B. & M
DUCESNE COUNTY, UTAH

DRAWN: 8-14-64 DGH

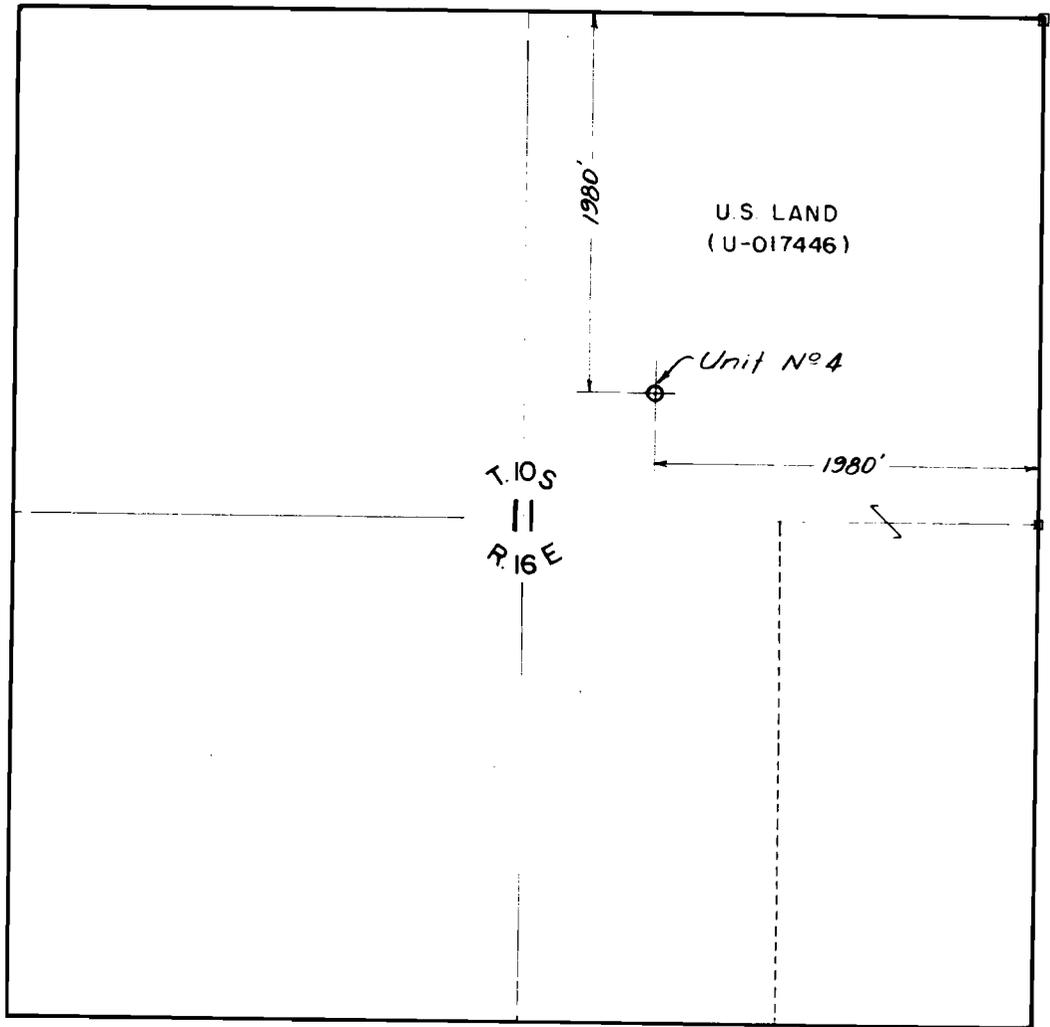
SCALE: 1" = 1000'

CHECKED *Rwm* KAL

DRWG. NO. M-7774

APPROVED *[Signature]*

NO.



ENGINEER'S AFFIDAVIT

STATE OF WYOMING }
 COUNTY OF SWEETWATER } ss.

I, R.C. Day, of Rock Springs Wyoming, hereby certify that this map was made from notes taken during an actual survey made under my direction by Uintah Engineering & Land Surveying on August 11th and 12th 1964; and that it correctly represents the location thereon with measurements based on the official Township Plat of Section 11, T.10S., R.16E. S.L.B. & M.

R.C. Day
 Engineer

Utah Registration No 1295

August 25, 1954

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

Attention: Mr. B. W. Croft

Re: Well No. Wells Draw Unit #4
Sec. 11, T. 10 S., R. 16 E.,
Duchess County, Utah

Gentlemen:

It has come to the attention of this office that several wells completed in the Uinta Basin left water-bearing formations exposed behind the annulus of the production string. In some instances, this resulted in contamination due to the migration of oil, gas and salt water from adjacent strata.

After checking your Notice of Intention to Drill the above named well, it appears that the proposed casing might not be adequate. We would like to point out that water-bearing aquifers were encountered in the Green River formation while drilling other wells in the same area. Therefore, it will be necessary for you to take this matter under consideration and program the amount of casing and cement to be used in such a manner that these saturated sands will be protected.

Your cooperation with respect to the contents of this letter will be greatly appreciated.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

POOR COPY

PAUL W. BURCHILL
CHIEF PETROLEUM ENGINEER

PWS:bc

cc: H. L. Counts, Pet. Eng., Box 266, Moab, Utah.
U. S. Geological Survey, 8416 Federal Building, Salt Lake City, Utah.
Water Pollution Control Board, 45 Fort Douglas Boulevard, Salt Lake City, Utah.
State Engineers Office, 403 State Capitol Building, Salt Lake City, Utah.

Copy HLC

Form 9-231
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN ACATE*
(Other instructions on re-
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 <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Wildcat</u>		5. LEASE DESIGNATION AND SERIAL NO. <u>U 017446</u>
2. NAME OF OPERATOR <u>Mountain Fuel Supply Company</u>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME -
3. ADDRESS OF OPERATOR <u>P. O. Box 1129, Rock Springs, Wyoming</u>		7. UNIT AGREEMENT NAME <u>Wells Draw</u>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) <u>At surface</u> <u>1980' FNL, 1980' FEL, C SW NE sec. 11</u>		8. FARM OR LEASE NAME <u>Unit Well</u>
14. PERMIT NO. -	15. ELEVATIONS (Show whether OF, RT, GR, etc.) <u>Ground 6249'</u>	9. WELL NO. <u>4</u>
		10. FIELD AND POOL, OR WILDCAT <u>Wells Draw - wildcat</u>
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <u>11-10S-16E SLB&M</u>
		12. COUNTY OR PARISH <u>Duchesne</u>
		13. STATE <u>Utah</u>

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"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Spudding</u>	<input checked="" type="checkbox"/>

(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 any 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.)*

The subject well was spudded on August 29, 1964, by R. L. Manning Company, contractor. A 7-7/8" hole was drilled to 325' and then successively reamed to 12-1/4 and 15 inches. Presently pulling reamer prior to running 10-3/4" surface casing.

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

SIGNED B.W. Craft TITLE General Manager, Producing and Pipeline Divisions DATE August 31, 1964

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: _____

Orig. K.S.U.
Copy W.H.C.

Copy W.H.C.

Budget Bureau No. 42-R356
Approval expires 12-31-60

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE
LEASE NUMBER
UNIT

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Duchesne Field Hells Draw

The following is a correct report of operations and production (including drilling and producing wells) for the month of AUG 1964, 19.....

Agent's address P.O. Box 11368 Company MOUNTAIN FUEL SUPPLY COMPANY
SALT LAKE CITY, UTAH 84111 Signed L. R. Neely

Phone 328-8315 Agent's title DIVISIONAL CHIEF ACCOUNTANT

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down cause; date and result of test for gasoline content of gas)
^{SW} C, SE, NE 11	10	16	4							Spudded 8/29/64. Aug. 31, 1964 Drilling at 325'

NOTE.—There were..... runs or sales of oil; M cu. ft. of gas sold;

..... runs or sales of ~~gasoline~~ ^{DRIP OIL} during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Copy HHC
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN _____ (Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U 017446

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 Wildcat

7. UNIT AGREEMENT NAME

Wells Draw

8. NAME OF OPERATOR

Mountain Fuel Supply Company

8. FARM OR LEASE NAME

Unit Well

9. ADDRESS OF OPERATOR

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

9. WELL NO.

4

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

10. FIELD AND POOL, OR WILDCAT

Wells Draw - wildcat

1980' FNL, 1980' FEL, C SW NE sec. 11

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

11-10S-16E., SLB&M

14. PERMIT NO.

--

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

DF 6259.30'; KB 6260.45'

12. COUNTY OR PARISH

Duchesne

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)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

Drilling & testing

(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 any 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 2687', drilling with 7-7/8" bit. At a depth of 528', a surface string of 10-3/4" OD 32.75#, H-40, 8rnd thd ST&C casing, measuring 302.75' net, 304.95' gross, was landed at 314.50' KBM and cemented with 270 sacks cement. Good mud returns, but not cement returns to surface. Checked top of cement at 150' with 1" pipe and then re-cemented casing, using 150 sacks cement; had 5 sacks cement returned around surface casing, bringing cement to surface. Pressure tested BOP's and casing to 500 psi each for 15 minutes; held good.

DST #1: 2414'-2447', Green River, IO 1/2 hour, ISI 1/2 hour, FO 1/2 hour, FSI 1 hour, weak to nearly dead blow, no gas to surface. Recovered 4' mud. IHP 1164 psi, ISIP 76 psi, IOFP's 19-19 psi, FOFP's 19-19 psi, FSIP 76 psi, FHP 1164 psi.

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

SIGNED

B. W. Koft

General Manager, Producing
and Pipeline Divisions

DATE September 10, 1964

(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 TRIPlicate*
(Other instructions on re-verse side)

Form approved
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U 017446

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 Wildcat

7. UNIT AGREEMENT NAME

Wells Draw

2. NAME OF OPERATOR

Mountain Fuel Supply Company

8. FARM OR LEASE NAME

Unit Well

3. ADDRESS OF OPERATOR

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

9. WELL NO.

4

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

1980' FNL, 1980' FEL, C SW NE sec. 11

10. FIELD AND POOL, OR WILDCAT

Wells Draw - wildcat

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

11-10S-16E., SLB&M

14. PERMIT NO.

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

DF 6259.30'; KB 6260.45'

12. COUNTY OR PARISH

Duchesne

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 information

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 any 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.)*

The subject well is drilling at a depth of 4000', using a 7-7/8" bit.

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

SIGNED

R.W. Craft

General Manager, Producing

TITLE

and Pipeline Divisions

DATE

Sept. 15, 1964

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

KAD

Sandy MHC

PH 10/10/64

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U 017446

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT ASSIGNMENT NAME

Wells Draw

8. FARM OR LEASE NAME

Unit Well

9. WELL NO.

4

10. FIELD AND POOL, OR WILDCAT

Wells Draw - wildcat

11. SEC., T., R., M., OR BLM. AND
SURVEY OR AREA

11-10S-16E., S1/4&M

12. COUNTY OR PARISH

Duchesne

13. STATE

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

1980' FNL, 1980' FEL, C SW NE sec. 11

14. PERMIT NO.

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

DF 6259.30'; KB 6260.45'

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 ACIDISE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON

CHANGE PLANE

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 of 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 any 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.)*

The subject well is at a depth of 4748', out of hole after misrun on test No. 6 from 4709' to 4748'.

DST #2: 4289'-4326', Green River, IO 33minutes, ISI 1/2 hour, FO 1/2 hour, FSI 1 hour, weak blow on both openings, no gas to surface. Recovered 180' mud, 180' water cut mud, and 210' tan-colored salt water. IHP 2140 psi, ISIP 1356 psi, IFP 186 psi, FFP 259 psi, FSIP 1336 psi, FHP 2140 psi.

DST #3: 4386'-4406', Green River, IO 1/2 hour, ISI 1/2 hour, FO 1/2 hour, FSI 1 hour. Weak blow on both openings, no gas to surface. Recovered 503' water cut mud. IHP 2151 psi, ISIP 1139 psi, IOFP's 103-155 psi, FOFP's 155-207 psi, FSIP 1139 psi, FHP 2151 psi.

DST #4: 4493'-4518', Green River, IO 1/2 hour, ISI 1/2 hour, FO 1/2 hour, FSI 1 hour. Weak blow on both openings, no gas to surface. Recovered 2' mud, 2' heavy black oil, 274' heavy black water cut oil, and 355' oil cut muddy water. IHP 2204 psi, ISIP 1391 psi, IOFP's 76-172 psi, FOFP's 172-210 psi, FSIP 1410 psi, FHP 2204 psi.

DST #5: 4519'-4556', Green River, IO 1/2 hour, ISI 1/2 hour, FO 1/2 hour, FSI 1 hour. Very weak blow on both openings, no gas to surface. Recovered 533' water cut mud. IHP 2223 psi, ISIP 1240 psi, IOFP's 57-114 psi, FOFP's 114-191 psi, FSIP 1353 psi, FHP 2223 psi.

DST #6: 4709'-4748', Green River, misrun, drill collars leaked.

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

SIGNED

B.W. Craft

TITLE

General Manager, Producing
and Pipeline Divisions

DATE

Sept. 21, 1964

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

*See Instructions on Reverse Side

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

SUBMIT APPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.
5. LEASE DESIGNATION AND SERIAL NO.

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.)

<p>1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Wildcat</p> <p>2. NAME OF OPERATOR Mountain Fuel Supply Company</p> <p>3. ADDRESS OF OPERATOR P. O. Box 1129, Rock Springs, Wyoming 82901</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1980' FNL, 1980' FEL, C SW NE sec. 11</p> <p>14. PERMIT NO. -</p>	<p>15. ELEVATIONS (Show whether DF, RT, OR, etc.) DF 6259.30'; KB 6260.45'</p>	<p>6. LEASE DESIGNATION AND SERIAL NO. U 027446</p> <p>7. UNIT AGREEMENT NAME Wells Draw</p> <p>8. FARM OR LEASE NAME Unit Well</p> <p>9. WELL NO. 46</p> <p>10. FIELD AND POOL, OR WILDCAT Wells Draw - wildcat</p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 11-108-16E, SLB&M</p> <p>12. COUNTY OR PARISH Duchesne</p> <p>13. STATE Utah</p>
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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"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input checked="" type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Supplementary history</u> <input checked="" type="checkbox"/>	

(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 any 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.)*

DST #7: 4708'-4748', Green River, IO 1/2 hour, ISI 1/2 hour, FO 1/2 hour, FSI 1 hour, weak blow throughout, no gas to surface. Recovered 3 1/2' black asphaltic oil, 272' muddy water, and 800' mud. IHP 2356 psi, ISIP 994 psi, IOFP's 191-267 psi, FOFP's 305-363 psi, FSIP 1107 psi, FHP 2356 psi.

The subject well was drilled to a total depth of 5595' without encountering commercial show of oil or gas and we would like permission to plug and abandon the well by laying the following cement plugs: No. 1 23 sacks, 5300'-5400'; No. 2 23 sacks 4900'-5000'; No. 3 4400'-4500', 23 sacks; No. 4 1200'-1100', 23 sacks; No. 5 365'-265', 44 sacks, which plug will extend 50' in and 50' out of the 10-3/4" OD surface casing; and No. 6, 5 sacks into the top of the surface casing, after which a regulation abandonment marker will be installed.

The above plugging procedure was orally approved by Mr. Brown of the U. S. Geological Survey in a telephone conversation with our Mr. R. G. Myers under date of September 28, 1964.

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

SIGNED <u>R. G. Myers</u>	TITLE <u>General Manager, Producing and Pipeline Divisions</u>	DATE <u>Sept. 28, 1964</u>
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(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: _____

*See Instructions on Reverse Side

PLUGGING PROGRAM FORM

Name of Company W. C. ... Verbal Approval Given To: Bob Myers

Well Name: Hell's Run #4 Sec. 11 T. 10S R. 16E County: Duck

Verbal Approval was given to plug the above mentioned well in the following manner:

T.P. 5595

Surface Water
Green Run 1170
Worral #4 760
Sun Run 5370
T.P. 1st 4' ...

7 D S T → shows black oil -
4289-4380 - # 2 salt water
4443-4518 - # 4 black oil
4514-4550 - # 5 water cut mud
4708-4748 - # 7 ...

No further water ...

- 1) 5400 - 5300
- 2) 5000 - 4900
- 3) 4400 - 4500
- 4) 1100 - 1200
- 5) 314 - 10 3/4" = 50' in and 50' out
- 6) 10' ft at surface / ...

Cons
I give
will
Date Verbally Approved: Sept 27, 1964 Signed: Paul ...

Form 9-325 (Rev. 5-63)

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

7011

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1. TYPE OF WELL: OIL WELL [] GAS WELL [] DRY [X] Other []

2. TYPE OF COMPLETION: NEW WELL [X] WORK OVER [] DEEP-EN [] PLUG BACK [] DIFF. RESVR. [] Other []

3. NAME OF OPERATOR Mountain Fuel Supply Company

4. 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 1980' FNL, 1980' FEL At top prod. interval reported below At total depth as above

5. LEASE DESIGNATION AND SERIAL NO. Utah 017446

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME Wells Draw

8. FARM OR LEASE NAME Unit

9. WELL NO. 4

10. FIELD AND POOL, OR WILDCAT Wells Draw - wildcat

11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA 11-10S-76E., SLB&M

12. COUNTY OR PARISH Duchesne

13. STATE Utah

15. DATE SPUDDED 8/29/64 16. DATE T.D. REACHED 9/27/64 17. DATE COMPL. (Ready to prod.) 9/28/64 Abandoned 18. ELEVATIONS (DP, RKB, RT, GR, ETC.)* DM 6259.30'; KB 6260.45'

20. TOTAL DEPTH, MD & TVD 5595' 21. PLUG BACK T.D., MD & TVD - 22. IF MULTIPLE COMPL., HOW MANY* - 23. INTERVALS DRILLED BY ROTARY TOOLS 0-5595'

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Abandoned 25. WAS DIRECTIONAL SURVEY MADE Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN IE 27. WAS WELL CORED No

Table with 6 columns: CASING SIZE, WEIGHT, LB./FT., DEPTH SET (MD), HOLE SIZE, CEMENTING RECORD, AMOUNT PULLED. Row 1: 10-3/4" OD, 32.75, 314.50' KBM, 15", 420 sacks, none.

Table with 8 columns: SIZE, TOP (MD), BOTTOM (MD), SACKS CEMENT*, SCREEN (MD), SIZE, DEPTH SET (MD), PACKER SET (MD). Rows for LINER RECORD and TUBING RECORD.

Table with 2 columns: PERFORATION RECORD (Interval, size and number) and ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. (DEPTH INTERVAL (MD), AMOUNT AND KIND OF MATERIAL USED).

POOR COPY

33.* PRODUCTION DATE FIRST PRODUCTION 9/28/64 abandoned PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) WELL STATUS (Producing or shut-in)

Table with 8 columns: DATE OF TEST, HOURS TESTED, CHOKER SIZE, PROD'N. FOR TEST PERIOD, OIL—BBL., GAS—MCF., WATER—BBL., GAS-OIL RATIO. Row 1: FLOW, TUBING PRESS., CASING PRESSURE, CALCULATED 24-HOUR RATE, OIL—BBL., GAS—MCF., WATER—BBL., OIL GRAVITY-API (CORR.)

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

35. LIST OF ATTACHMENTS Well record, lithology, log

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

SIGNED [Signature] TITLE General Manager, Producing and Pipeline Divisions DATE Sept. 30, 1964

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

[Handwritten signature]

Copy NHC

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE
LEASE NUMBER
UNIT

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Duchesne Field Wells Draw

The following is a correct report of operations and production (including drilling and producing wells) for the month of SEP 1964, 19 ,

Agent's address P.O. Box 11368 Company MOUNTAIN FUEL SUPPLY COMPANY
SALT LAKE CITY, UTAH 84111 Signed T. L. Neely

Phone 328-8315 Agent's title DIVISIONAL CHIEF ACCOUNTANT

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down cause; date and result of test for gasoline content of gas)
<u>CSE</u> <u>NE 11 10 16</u>			<u>4</u>							<u>Spudded 8/29/64</u> <u>Plugged and Abandoned</u> <u>9/28/64 - 5595'</u>

NOTE.—There were..... runs or sales of oil; M cu. ft. of gas sold;

Drip Oil

..... runs or sales of ~~gas~~ during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Copy H/C
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN THE REVERSE SIDE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U 017446

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Wells Draw

8. FARM OR LEASE NAME

Unit Well

9. WELL NO.

4

10. FIELD AND POOL, OR WILDCAT

Wells Draw - wildcat

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

11-10S-16E., SLB&M

12. COUNTY OR PARISH

Duchesne

13. STATE

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

1980' FNL, 1980' FEL, C SW NE sec. 11

14. PERMIT NO.

-

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

DF 6259.30'; KB 6260.45'

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)

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 any 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.)*

The subject well was plugged and abandoned and the rig released September 28, 1964. The following cement plugs were laid in the well, using 50-50 Ideal Portland cement and light portz.

No. 1: 5300'-5400', 23 sacks.

No. 2: 4900'-5000', 23 sacks.

No. 3: 4400'-4500', 23 sacks.

No. 4: 1100'-1200', 23 sacks

No. 5: 265'-365', 44 sacks.

No. 6: 5 sacks into top of surface casing. Installed regulation abandonment marker.

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

SIGNED D. W. Craft

TITLE

General Manager, Producing and Pipeline Divisions

DATE Oct. 5, 1964

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*30000 RUB
Orig. copy
RLL*

(Date) (Time) (Location)

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
348 EAST SOUTH TEMPLE
SUITE 301
SALT LAKE CITY, UTAH

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number: Wells Draw Unit Well No. 4
 Operator: Mountain Fuel Supply Co. Address: Salt Lake City Phone: 328-8315
 Contractor: R.L. Manning Co. Address: ? Phone: ?
 Location: SE 1/4 NE 1/4 Sec. 11 T. 10 S R. 16 E Duchesne County, Utah.

Water Sands:

<u>From</u>	<u>To</u>	<u>Volume</u>	<u>Flow Rate or Head</u>	<u>Quality</u>	<u>Fresh or Salty</u>
1. <u>4289'</u>	<u>4321'</u>	<u>570'</u>	<u>muddy water on drill stem test.</u>		
2. <u>4386'</u>	<u>4406'</u>	<u>503'</u>	<u>water cut mud on DST</u>		
3. <u>4473'</u>	<u>4518'</u>	<u>355'</u>	<u>oil cut muddy water on DST</u>		
4. <u>4519'</u>	<u>4556'</u>	<u>533'</u>	<u>water cut mud on DST</u>		
5.					

(continued on reverse side if necessary)

Formation Tops:

Green River 1170'

Remarks:

NOTE: (a) Upon diminishing supply of forms, please inform the Commission
 (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)

STATE OF TEXAS
DEPARTMENT OF AGRICULTURE
DIVISION OF OIL AND GAS
REGULATORY BOARD

WARRANT FOR THE STATE OF TEXAS

Produced Pursuant to

Rule C-20 REPORTING OF FRESH WATER SANDS

It shall be the duty of any person, operator or contractor drilling an oil or gas well or drilling a seismic, core or other exploratory hole to report to the Commission all fresh water sands encountered; such report shall be in writing and give the location of the well or hole, the depth at which the sands were encountered, and the thickness of such sands, and the rate of flow of water if known.

OCT 7 1964

COMPLETION REPORT

Operator: Mountain Fuel Supply Company

Well: Wells Draw Unit Well No. 4

Area: Wells Draw Unit

Location: 1980' FNL and 1980' FEL, Sec. 11, T. 10 S., R. 16 E., Duchesne County, Utah.

Elevation: 6249' ground, 6260.45' kelly bushing.

Drilling Commenced: August 29, 1964

Drilling Completed: September 28, 1964

Tops: Uinta	Surface
Green River	1170'
Wasatch Tongue	4960'
Green River Tongue	5370'

Total Depth: 5595'

Casing: 10-3/4" landed @ 314.50' KBM with 420 sacks.

Plugs: 5300'-5400', 4900'-5000', 4400'-4500', 1100'-1200', 265'-365', 0'-10'.

Productivity: Plugged and abandoned.

DRILL STEM TESTS

No.	Interval	Initial Flow	Initial Shut In	Final Flow	Final Shut In	Remarks
1	2414-2448	19-19 (30)	63 (30)	19-19 (30)	77 (60)	4' m
2	4289-4321	?-176 (33)	1355 (30)	?-257 (30)	1326 (60)	180' m, 180' wcm, 210' msw
3	4386-4406	117-196 (30)	1147 (30)	164-215 (30)	1148 (60)	503' wcm
4	4493-4518	86-191 (30)	1380 (30)	157-218 (30)	1422 (60)	2' m, 2' o, 274' o & wcm, 355' ocmw
5	4519-4556	76-157 (30)	1261 (30)	119-185 (30)	1367 (60)	533' wcm
6	4709-4748	203-321 (30)	1009 (30)	268-371 (30)	1099 (60)	272' w & ocm, 800' m through leaking tester

VBG/es
10/6/64

N.

Field Wells Draw State Utah County Duchesne Sec. 11 T. 10S R. 16E

Company Mountain Fuel Supply Company Farm Wells Draw Unit Well No. 4

Location 1980' FNL and 1980' FEL Elev. 6249' GR. 6260.45' KB.

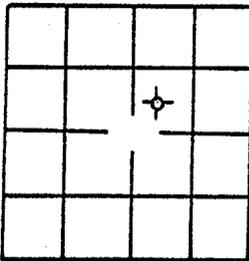
Drilling Commenced August 29, 1964 Completed September 28, 1964

Rig Released Total Depth 5595'

Casing Record 10-3/4" landed @ 314.50' KBM with 420 sacks

Tubing Record

Perforations



I.P. D&A Gas Oil

Sands

Shut-in Surface Pressures

Remarks

FORMATION RECORD

FORMATION RECORD

Sample study starts at 530' in the Uinta Formation.
Surface to 530' - Uinta Formation.

Lower Uinta Formation - 530'-1170'

	From	To
Siltstone, grayish green, firm, micaceous, calcareous; Pyrite; trace Sandstone, white, tan, medium grain-fine grain, micaceous, friable; trace Chert.	530'	540'
No Sample.	540'	550'
Siltstone, as above; trace Sandstone, as above; trace Shale, gray, firm.	550'	595'
Sandstone, white, fine grain to medium grain, friable, micaceous.	595'	600'
Siltstone, as above; some pink calcareous Siltstone.	600'	610'
Sandstone, gray, white, fine grain-medium grain, friable, clear white quartz grains; some Siltstone, as above.	610'	630'
Siltstone, as above; some Sandstone, as above.	630'	640'
No Sample.	640'	650'
Siltstone, white, brown, grayish-green, micaceous, calcareous; Shale, brown, firm; Sandstone, grayish-green, fine grain to medium grain, hard, tight to friable, micaceous, calcareous.	650'	660'
Shale, gray, firm, calcareous; some Siltstone, as above; trace Sandstone, as above; trace Dolomite.	660'	730'
Siltstone, as above; trace Bentonite; some Shale, as above.	730'	760'
No Sample.	760'	770'
Sandstone, grayish-green, fine grain, calcareous, micaceous.	770'	775'
Siltstone, as above; Sandstone, as above; trace Shale, as above.	775'	780'
Sandstone, as above.	780'	785'
Siltstone, as above; Shale, as above.	785'	790'
Sandstone, white, medium grain to coarse grain, well rounded quartz grains, calcareous, some black grains, friable to hard.	790'	800'
Siltstone, as above; some Shale, as above; trace Sandstone, as above.	800'	830'
Ditto; some Limestone, brown, dense, hard.	830'	850'
Siltstone, as above; some Shale, as above; trace Sandstone, as above; trace Bentonite.	850'	950'

FORMATION RECORD

	From	To
Siltstone, as above; Sandstone, gray, fine grain, calcareous, hard, tight, micaceous.	950'	980'
Siltstone, as above; trace Sandstone, as above; Shale, as above; Pyrite.	980'	1020'
Ditto; some Siltstone, red.	1020'	1035'
Sandstone, white, gray, fine grain-medium grain, hard, tight, calcareous, micaceous, angular.	1035'	1050'
Siltstone, as above; Shale, as above; some Sandstone, as above; trace Gilsonite, trace Gypsum.	1050'	1150'
Siltstone, as above; Shale, as above; trace Sandstone, as above.	1150'	1170'
<u>Green River Formation - 1170'-1960'</u>		
Siltstone, as above; Shale, as above; trace Sandstone, as above. No Sample.	1170'	1190'
Siltstone, brown, gray, hard, calcareous, micaceous; Shale, as above; trace Sandstone, as above; trace Limestone.	1190'	1200'
Ditto; some Shale; dark brown "oil shale".	1200'	1250'
Shale, light to dark brown, firm; trace Sandstone, as above; trace Siltstone, as above; trace Limestone, as above.	1250'	1270'
Limestone, light brown, brownish-gray, argillaceous, some crystalline, hard and brittle; trace Pyrite.	1270'	1470'
Ditto; some light buff Dolomite with metallic inclusions.	1470'	1520'
Ditto; trace Sandstone, gray calcareous, argillaceous, hard and tight.	1520'	1540'
Limestone, as above.	1540'	1550'
Ditto; trace gray calcareous; Pyrite; Sandstone.	1550'	1650'
Limestone, as above.	1650'	1670'
Ditto; trace gray calcareous; Pyrite; Sandstone.	1670'	1680'
Limestone, as above; trace gray.	1680'	1710'
Ditto; some light brown very fine grain calcareous Sandstone; trace black-brown "oil shale".	1710'	1740'
Limestone, as above; some Sandstone, as above; some light gray; some dark brown "oil shale".	1740'	1750'
Limestone, as above; trace "oil shale".	1750'	1770'
Limestone, as above; occasional trace gray or light buff and crystalline Limestone.	1770'	1850'
Shale, brown, gray, hard, very calcareous; Limestone, as above; trace Sandstone, as above.	1850'	1930'
Ditto; trace "oil shale".	1930'	2070'
Shale, as above; trace Limestone, as above.	2070'	2080'
Shale, as above; some Limestone, as above; trace Sandstone, as above.	2080'	2130'
Siltstone, light brown, calcareous, micaceous; trace Limestone, as above; trace Shale, as above.	2130'	2170'
Shale, as above; some Siltstone, as above; trace Limestone, as above.	2170'	2180'
Limestone, as above; Shale, as above; trace Siltstone, as above; trace Calcite; trace "oil shale".	2180'	2200'
Limestone, as above; some Shale, as above; trace Siltstone, oil stained, yellow fluorescence, good cut.	2200'	2220'
Shale, as above; some "oil shale"; some Limestone, as above.	2220'	2240'
Siltstone, as above; trace Limestone, as above; some Sandstone, light brown to white, fine grain-medium grain, some colored grains, hard, tight. No Sample 2270' to 2280'.	2240'	2250'
Sandstone, as above; some gray, medium grain, tight; trace Shale, gray, firm; trace Limestone, as above.	2250'	2300'
Sandstone, as above; Shale, as above; trace Limestone, as above.	2300'	2320'
Shale, as above; some Sandstone, gray, as above; trace Sandstone, white; trace Limestone, as above.	2320'	2330'
	2330'	2380'

FORMATION RECORD

	<u>From</u>	<u>To</u>
Shale, as above; trace Limestone, as above; trace Sandstone, as above.	2380'	2414'
Sandstone, white to gray, very fine grain to fine grain, silty, calcareous, micaceous, hard, tight; Siltstone, light gray, calcareous, firm; trace Pyrite.	2414'	2425'
Shale, as above; Siltstone, as above; some Sandstone, as above; trace "oil shale".	2425'	2450'
Shale, as above; some Siltstone, as above; trace "oil shale".	2450'	2470'
Shale, as above; trace Sandstone, very fine grain to silty, hard, tight, yellow, fluorescence, good cut.	2470'	2480'
Siltstone, gray to green, hard, dense, slightly calcareous; trace Sandstone, fine grain, tar stain, yellow, fluorescence, good cut.	2480'	2490'
Some Sandstone, as above; Sandstone, white-light gray, fine grain, hard, tight, some colored grains.	2490'	2510'
Siltstone, as above; some Sandstone, as above.	2510'	2530'
Limestone, gray, dense, some crystalline; Siltstone, as above; trace Sandstone, as above.	2530'	2540'
No Sample.	2540'	2570'
Shale, light gray, hard brittle, dense; some Limestone, as above; trace Siltstone, as above.	2570'	2610'
Shale, as above; Limestone, as above; trace Siltstone, as above.	2610'	2680'
Ditto; trace Sandstone, white, gray, very fine grain-fine grain, calcareous, micaceous, hard, tight.	2680'	2730'
Shale, as above; some Limestone, as above; trace Siltstone, as above.	2730'	2760'
Ditto; Siltstone, grayish-green, firm tight, calcareous.	2760'	2790'
Shale, as above; some Limestone, as above; trace Siltstone, as above.	2790'	2850'
Limestone, white, firm argillaceous; some Shale, as above; trace Siltstone, as above.	2850'	2860'
Shale, grayish-green, hard, brittle; some Limestone, as above.	2860'	2870'
Limestone, as above; some Shale, as above.	2870'	2880'
Shale, as above; trace Limestone, as above; trace Sandstone, white, fine grain, hard, tight, calcareous.	2880'	2910'
Limestone, as above; trace Shale, as above; trace Siltstone.	2910'	2980'
Ditto; some Sandstone, white, very fine grain, hard, tight, calcareous, no show.	2980'	3010'
Shale, grayish-green, dense, hard; Siltstone, as above; trace Limestone, oolitic.	3010'	3030'
Limestone, white to light tan, some oolitic; trace Shale, as above; trace Siltstone, as above; trace "oil shale".	3030'	3040'
Shale, as above; trace Limestone, as above; trace Siltstone.	3040'	3050'
Shale, gray, firm, dense; trace Shale, as above; trace Limestone, as above; trace Siltstone, as above; trace "oil shale"; trace Sandstone, white, very fine grain, calcareous, hard, tight.	3050'	3080'
Limestone, as above; some Shale, as above; trace "oil shale"; trace Sandstone, as above.	3080'	3090'
Shale, as above; trace Sandstone, as above; trace Limestone, as above.	3090'	3120'
Shale, as above; some "oil shale"; trace Sandstone, as above.	3120'	3150'
Shale, as above; Limestone, as above; trace Sandstone, as above.	3150'	3180'
Shale, as above; Limestone, as above.	3180'	3220'
Shale, as above; Limestone, as above; trace Sandstone, as above; trace Siltstone, white, micaceous, calcareous, firm.	3220'	3360'
Sandstone, white, fine grain, subangular grains, hard, tight, calcareous, some colored grains; trace Siltstone, as above.	3360'	3380'
Shale, as above; Limestone, as above; some Sandstone, as above; trace "oil shale".	3380'	3400'
Shale, as above; some "oil shale"; trace Limestone, light brown, dense; some Sandstone, as above.	3400'	3430'

FORMATION RECORD

	From	To
Sandstone, as above; some Shale, as above; trace Limestone as above.	3430'	3440'
Shale, as above; "oil shale"; some Limestone, as above; trace Sandstone, as above.	3440'	3530'
Ditto; trace Siltstone, as above.	3530'	3550'
Shale, light gray, hard dense; trace Sandstone, as above; trace Limestone, as above; trace "oil shale".	3550'	3580'
Shale, brown, dense, same as above; some "oil shale"; some Limestone, as above.	3580'	3600'
Ditto; trace Sandstone, white, very fine grain, hard, tight.	3600'	3650'
Shale, light gray, grayish-green, brown; some "oil shale"; some Limestone, dark brown, light tan, dense; trace Siltstone, light brown, buff, calcareous, firm.	3650'	3685'
Sandstone, white-light gray, very fine grain, calcareous, hard, firm.	3685'	3690'
Shale, as above; some Sandstone, as above.	3690'	3695'
Shale, as above; Sandstone, speckled black and white, very fine-grain, calcareous, firm, black grains included; no show.	3695'	3730'
Shale, as above; some Limestone, as above; trace Siltstone, as above; trace Sandstone, white, very fine grain.	3730'	3780'
Shale, as above; Limestone, as above; trace Siltstone, as above.	3780'	3870'
Ditto; some Siltstone, as above; trace Sandstone, as above.	3870'	3920'
Ditto; some Sandstone, white-light gray, very fine-grain, calcareous, colored grains included, firm.	3920'	3940'
Shale, as above; some Limestone, buff, dense, ostracods; trace Siltstone, as above; trace Sandstone, as above.	3940'	3955'
Sandstone, gray, very fine grain, argillaceous, calcareous, firm.	3955'	3965'
Shale, as above; Limestone, as above; fossils, ostracodal.	3965'	4000'
Sandstone, light gray, very fine grain, calcareous.	4000'	4010'
Shale, as above; Limestone, as above; trace Siltstone, as above; trace Sandstone, as above.	4010'	4060'
Sandstone, white, very fine grain, slightly calcareous, some colored grains included, hard, firm.	4060'	4075'
Shale, as above; Limestone, as above, some white; trace Siltstone, as above.	4075'	4110'
Shale, as above; Limestone, as above.	4110'	4160'
Ditto; trace Siltstone, as above.	4160'	4195'
Sandstone, light gray, very fine grain, calcareous, black specks included, blue fluorescence, fair yellow cut, streaming; no gas kick.	4195'	4200'
Shale, as above; Limestone, as above; trace Sandstone, as above.	4200'	4230'
Shale, as above; Limestone, as above; trace Siltstone, as above.	4230'	4288'
Sandstone, white, medium grain, calcareous, no fluorescence; 40 unit gas kick.	4288'	4295'
Shale, as above; Limestone, as above; some Sandstone, as above.	4295'	4310'
Shale, as above; Limestone, as above.	4310'	4320'
Shale, gray, slightly calcareous, firm; Sandstone, white, very fine grain, calcareous, hard; Siltstone, brown, very fine grain, calcareous, soft. Depth correction, add five feet.	4320'	4385'
Sandstone, white-brown, fine grain, slightly micaceous, with black tar, dull fluorescence and cut.	4385'	4392'
Shale, as above; Limestone, as above.	4392'	4400'
Shale, as above; Limestone, as above; some yellow, some grains included; trace Sandstone, as above; some gray, hard; trace Siltstone, as above.	4400'	4430'
Shale, as above; Limestone, as above; trace Siltstone, as above.	4430'	4492'
Shale, as above; Limestone, as above; trace Siltstone, as above.	4492'	4514'
Sandstone, dark gray, fine grain, calcareous, micaceous, black grains included, no fluorescence.		

FORMATION RECORD

	From	To
Shale, as above; Limestone, as above.	4514'	4518'
Sandstone, white-gray, fine grain, silty, some black staining, dull blue fluorescence, cuts, tight.	4518'	4540'
Shale, gray, green, silty, brittle; trace Siltstone, as above.	4540'	4570'
Sandstone, white, very fine grain, calcareous, silty.	4570'	4575'
Shale, as above; trace Siltstone, as above.	4575'	4590'
Shale, as above; Limestone, as above; trace Siltstone, as above; trace Pyrite.	4590'	4620'
Ditto; no Pyrite.	4620'	4630'
Sandstone, light gray, very fine grain, calcareous.	4630'	4635'
Shale, as above; Limestone, as above; trace Siltstone, as above.	4635'	4690'
Shale, as above; "oil shale"; trace Limestone, as above.	4690'	4708'
Sandstone, white, fine grain, calcareous, trace oil stain, yellow fluorescence, no cut.	4708'	4725'
Shale, as above; "oil shale".	4725'	4729'
Sandstone, gray, very fine grain, micaceous, tight, no fluorescence or cut.	4729'	4734'
Shale, as above; Limestone, as above; ostracodal.	4734'	4765'
Sandstone, white, very fine grain, calcareous, no fluorescence.	4765'	4775'
Shale, as above; some Limestone, as above; trace Sandstone, as above.	4775'	4830'
Sandstone, light gray, very fine grain, calcareous, micaceous, no fluorescence, hard, tight; some Shale interbedded.	4830'	4850'
Shale, as above; "oil shale"; Limestone, as above; trace Sandstone, as above.	4850'	4900'
Shale, gray, silty, firm, trace brown crystalline Limestone; trace "oil shale".	4900'	4920'
"Oil shale"; trace gray Shale, as above.	4920'	4930'
Shale, gray, as above; trace light gray, calcareous, Sandstone, very fine grain, tight.	4930'	4940'
Ditto; trace gray Siltstone, trace Pyrite.	4940'	4950'
Ditto; trace brown crystalline Limestone.	4950'	4960'
<u>Wasatch Tongue 4960'-5370'</u>		
Ditto; trace brown crystalline Limestone.	4960'	4970'
Shale, gray, as above; some Sandstone, gray-light gray and brown, limy, fine-very fine grain, tight.	4970'	4980'
Shale, as above; some brown crystalline Limestone; trace gray crystalline Limestone.	4980'	4990'
Sandstone, gray-light gray, very fine-fine grain, limy, tight, some Shale, as above; trace reddish-green mottled Shale at 4980-90'.	4990'	5000'
Ditto; trace brown crystalline Limestone.	5000'	5010'
Shale, as above; some Sandstone, as above.	5010'	5020'
Shale, as above; trace Sandstone, occasional trace red mottled Shale.	5020'	5060'
Shale, gray, some red mottled, some silty; some Sandstone, light gray, fine-very fine grain, calcareous, tight.	5060'	5080'
Shale, as above, trace red, maroon; trace Sandstone, as above.	5080'	5100'
Shale, as above; some buff-brown sucroses Limestone, dense, brittle, hard; trace Sandstone.	5100'	5170'
Shale, as above; trace Sandstone; trace gray Siltstone.	5170'	5190'
Ditto; some grayish-brown Sandstone, fine-fine grain, tight.	5190'	5250'
Shale, as above; trace Sandstone, fine-very fine grain, light gray-white, well sorted, micaceous, hard and tight.	5250'	5300'
Shale, as above; more maroon and red.	5300'	5320'
Ditto; some Limestone, brown, crystalline, with ostracods.	5320'	5330'
Ditto; some Sandstone, white-light gray, very fine grain, calcareous.	5330'	5340'

Field Wells Draw

Sec. 11 T. 10S R. 16E

Farm Wells Draw Unit

Well No. 4

Company Mountain Fuel Supply

FORMATION RECORD

	<u>From</u>	<u>To</u>
Shale, gray, silty-smooth, firm, trace light black Shale.	5340'	5350'
Ditto; trace Gilsonite.	5350'	5360'
Shale, as above; some grayish-light gray Sandstone, trace ostracodal Limestone.	5360'	5370'
<u>Green River Tongue 5370'-5595'</u>		
Ditto; trace Sandstone, no Limestone.	5370'	5380'
Ditto; some Sandstone.	5380'	5390'
Ditto; trace Limestone.	5390'	5400'
Shale, gray firm; trace black ostracodal Limestone, some brown lignitic Shale.	5400'	5430'
Ditto; some brown ostracodal Limestone; trace tar on shaker.	5430'	5440'
Shale, as above; trace brown Chert.	5440'	5450'
Shale, as above; trace ostracodal Limestone, as above.	5450'	5490'
Ditto; some very dark gray silty Shale.	5490'	5500'
Shale, dark gray, silty, firm; trace Siltstone, light brown, slightly calcareous; trace Limestone, buff, light brown, ostracodal.	5500'	5540'
Shale, as above; some "oil shale"; some Limestone, as above, ostracodal; some Siltstone, red, micaceous, firm; trace Pyrite.	5540'	5554'
"Oil shale"; 90 unit gas kick.	5554'	5555'
Shale, as above, trace red; Limestone, as above; Siltstone, as above.	5555'	5590'
No Sample.	5590'	5595' TD

November 25, 1964

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

Re: Well No. Wells Draw Unit #4
Sec. 11, T. 10 S., R. 16 E.,
Duchesne County, Utah

Gentlemen:

Upon receiving your "Well Completion or Recompletion Report and Log" for the above mentioned well, it was noted that a directional survey was made.

It would be appreciated very much if this Commission could receive a copy of this survey. Thank you.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

KATHY G. WARNER
RECORDS CLERK

KGW:sch

11/27/64

MOUNTAIN FUEL SUPPLY COMPANY

P. O. BOX 1129

ROCK SPRINGS, WYOMING

November 27, 1964

B. W. CROFT
GENERAL MANAGER
PRODUCING AND PIPELINE DIVISIONS

Miss Kathy G. Warner, Records Clerk
The State of Utah
Oil & Gas Conservation Commission
348 East South Temple
Salt Lake City, Utah

Dear Miss Warner:

Well No. Wells Draw Unit #4
Sec. 11, T. 10 S., R. 16 E.
Duchesne County, Utah

The directional survey referred to in our log for this well actually indicated we were running deviation surveys during drilling, and no directional survey as such was run. Perhaps we misinterpret this portion of the log. Henceforth, our log of oil and gas well will indicate "no" survey run under that portion of the report. Therefore, no directional survey was run on this well and no log is available.

Yours very truly,



Steve Majhanovich
Secretary to B. W. Croft

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