

10-9-76- Subsequent report of re work;
and well shut in.

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 _____
Copy NID to Field Office _____
Approval Letter _____
Disapproval Letter _____

COMPLETION DATA:

Date Well Completed 2-4-37
OW..... WW..... TA.....
GW..... OS..... PA.....

Location Inspected _____
Bond released _____
State of Fee Land _____

LOGS FILED

Driller's Log _____

Electric Logs (No.) _____

E..... I..... E-I..... GR..... GR-N..... Micro.....
Lat..... MI-L..... Sonic..... Others.....

(SUBMIT IN TRIPLICATE)

Land Office Salt Lake

Lease No. 045053

Unit _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF REDRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

E. S. Lauzer Well #1 Rock Springs, Wyo., Dec. 2, 1936

Well No. 1 is located 330 ft. from N line and 660 ft. from EX line of sec. 27

NW¹ NW¹ Sec. 27 3N. 24 E. _____
(¹/₄ Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Clay Basin Waggett Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 6389 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

We would like permission to drill this well with rotary tools, with the Dakota sand as our objective. The Dakota sand should be encountered in this well at approximately 5750 feet.

It is our plan to set and cement a conductor string consisting of approximately 300 feet of 13-3/8" - 54.50# casing, then set and cement a string of 6-5/8" - 26# casing on top of the Dakota sand as a production string.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Mountain Fuel Supply Co.

Box 878

Address Rock Springs, Wyo.

Approved Jan. 25, 1937

R. D. Ferguson

By C. R. Hetzler

Dist. Engr.

305 Fed. Bldg., Casper, Wyo.

Title Vice President

Sec 27-3N-24E

PRESENT STATUS OF WELL
UNIT Well No 4
(Formerly E.S. LAUZER No 1)
Clay Basin Field
DAGUER COUNTY, UTAH

8-15-55 JJS.

Schematic
not drawn
to scale

Rotary table.

CASING RECORD:

13 3/8" - 545' - 8th API Seamless Csg.

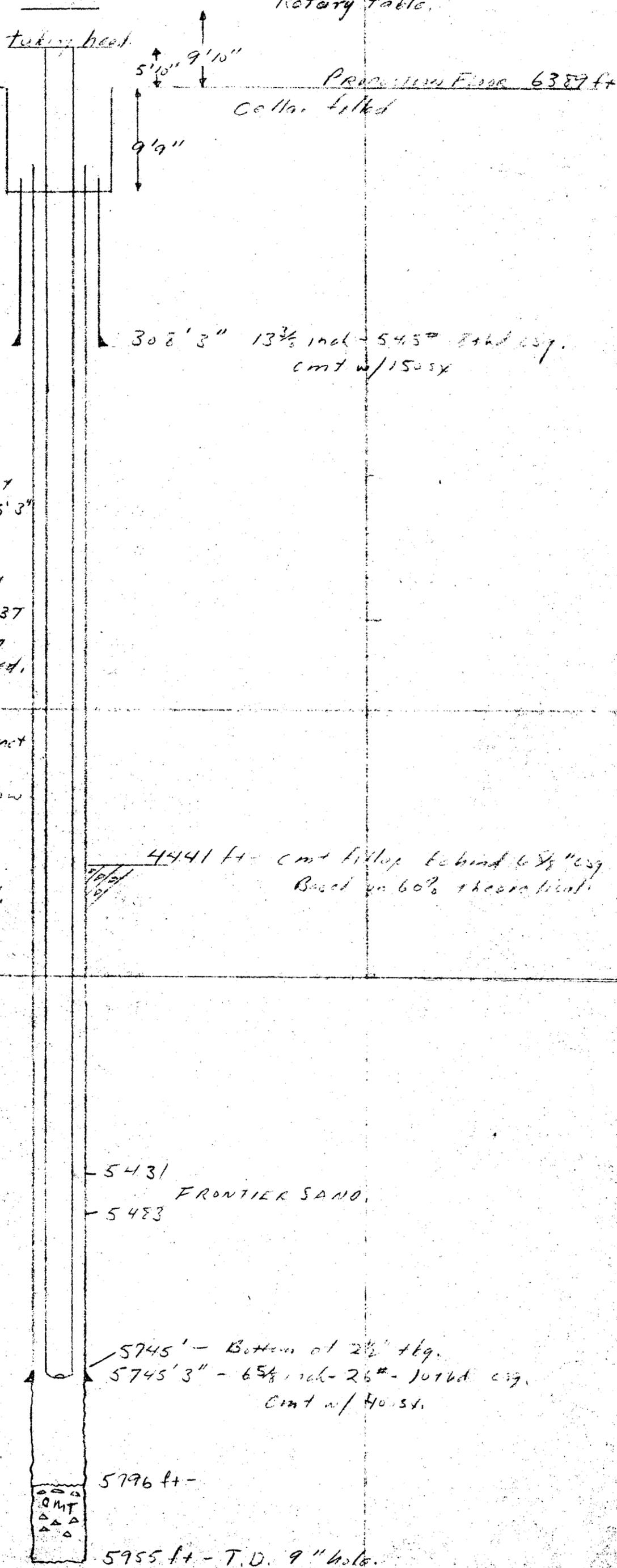
13 Jts - 293'8" gross, 270'5" net
landed on csg clamps @ 308'3"
or 17'10" below R.T. Common
csg shoe used & electric welded.
First 7 Jts were electric spot
welded above & below collar.
Cmtd on 5-1-37 by Perkins
Oil Well Cement Co. w/ 150 st
Monolith, lost 50 st treated.
Cmt returned to cellar.

6 5/8" - 26' - 10th API Seamless Csg.

170 Jts - 5772'3" gross, 5721'3" net
were landed on csg clamps @ 5745'3"
or 18'0" below R.T. Baker float
shoe was used and a Baker float
collar was placed on top of 2nd
Jt from bottom. Cmtd on 7-25-37
by Perkins Oil Well Cement Co using
400 st Monolith, lost 50 st treated.

2 1/2" - 6.5' - 10th J.E. API d.t.

182 Jts, 5768'5" gross, 5741'0" net
set on Hetzler ball bearing
tubing head @ 5745' or 4' below
R.T. A Hetzler bottom hole
choke, which was 25'2" long
& which was included in above
tally was installed in the well.



4441 ft - cmt fillup behind 6 5/8" csg
Based on 60% theoretical

5431 FRONTIER SAND
5483

5745' - Bottom of 2 1/2" tbg.
5745'3" - 6 5/8 inch - 26' - 10th csg.
cmtd w/ 400 st.

5796 ft -
5955 ft - T.D. 9" hole.



(SUBMIT IN TRIPLICATE)

Land Office Salt Lake

045053

Lease No. _____

Unit _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF REDRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....		
Notice of Intention to Resume Operations.....		xx

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

E. S. Lauzer well #1 Rock Springs, Wyo., April 27, 1937

Well No. 1 is located 330 ft. from N line and 660 ft. from EX line of sec. 27

NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 27 3 N 24 E
($\frac{1}{4}$ Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Clay Basin Daggett Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 6389 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

After erecting the derrick and rigging up the tools at this location, operations were shut down for the winter.

Weather conditions in the vicinity of Clay Basin are now improved and it is our intention to start drilling operations at once.

Our "Notice of Intention to Drill" this well was dated December 2nd, 1936, and was approved by the U. S. Geological Survey on January 25, 1937.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company MOUNTAIN FUEL SUPPLY CO.

Box 952,

Address Rock Springs, Wyo.

Approved May 5, 1937

R. D. Ferguson

By C. R. Hetzler

District Engr.

Title Vice President

305 Fed. Bldg., Casper, Wyo.

4. Pick up a 5-3/4-inch O.D. rock bit and 6 drill collars. Run bit and collars on 2-7/8-inch O.D. drill pipe and tag cement at 5796 feet KB. Drill about 130 feet of cement to 5926 feet KB. Pull drill pipe and pick up a 7-5/8-inch O.D. under-reamer and ream open hole section to total depth at 5926 feet KB. Stand 2-7/8-inch O.D. drill pipe in derrick. Note: The original hole was drilled 9-inches and plugged back to 5796 feet with cement.
5. Rig up Dresser Atlas and run the following recommended logs from total depth at 5926 feet to the bottom of the 6-5/8-inch O.D. casing at 5745 feet KB. Run a formation density log with gamma ray, caliper, and dual induction logs. Run a cement bond log from the bottom of the 6-5/8-inch O.D. casing to the top of the cement at 4441 feet KB. Note: Review the cement bond log and make any necessary cement repairs.
6. Run 2-7/8-inch O.D. drill pipe in hole to total depth at 5926 feet KB. Circulate out any sand fillup. Pull and lay down 2-7/8-inch O.D. drill pipe.
7. Install 5-1/2-inch O.D. rams in top gate of blowout preventer. Pick up a Baker 5-1/2-inch O.D. guide shoe, one joint of 5-1/2-inch O.D., 17-pound, K-55, Hydril "SFJ" casing, and a Baker Model "G" differential fillup float collar. Run about 5880 feet of 5-1/2-inch O.D. casing. Circulate casing with water until cleaned up prior to cementing. Circulate water out with drip oil treated with 1 quart per barrel corrosion inhibitor. Rotate casing during the cementing operations. Cement with 27.8 sacks of 50-50 Pozmix and tail in with 51 sacks of regular Class "G" densified cement. These quantities of cement should bring the cement top of 50-50 Pozmix to 4000 feet KB and the top of the densified cement to 5590 feet KB or 150 feet above

the 6-5/8-inch O.D. casing shoe. The 27.8 sacks of 50-50 Pozmix represent the actual calculated volume and the 51 sacks of densified cement represent 50 percent excess. The volume of cement should be checked after the caliper log has been run. Bump plug with 2500 psi and hold for 15 minutes to pressure test casing. Land 5-1/2-inch O.D. casing with full indicator weight. Record weight.

8. Remove blowout preventer and cut off casing. Install a NSCo. 10-inch 3000 psi by 6-inch 3000 psi Type "B" tubing spool. Pressure test seals and packing to 2500 psi for 5 minutes. The minimum collapse pressure for 5-1/2-inch O.D., 17-pound, K-55 casing is 4910 psi. Install a 6-inch 3000 psi double gate hydraulically operated blowout preventer with 4-1/2-inch O.D. rams in top gate and blind rams in the bottom gate.
9. After a WOC time of 48 hours, rig up Dresser Atlas to run a cement bond log from plug back total depth at approximately 5895 feet to the top of the cement behind the 5-1/2-inch O.D. casing at 4000 feet KB.
10. Rig up Dresser Atlas to perforate the Dakota storage sand with two HPF Jumbo Jet shots. The actual storage intervals and measurements will be taken from the open hole logs previously run.
11. Rig up Dresser Atlas to run a Baker Model "F" production packer as follows:
 - Baker Model "FB" production packer dressed for 5-1/2-inch O.D., 17-pound casing with 3-inch bore and minimum I.D. of 2.375-inches through the seal nipples.
 - 10 foot seal bore protector and millout extension, 3.000-inch I.D.
 - Baker Model "F" non-ported seating nipple (size 2.31).
 - 10 feet 2-7/8-inch O.D., 6.4-pound, J-55, 8 round thread, EUE pup joint.
 - Baker Model "R" non-ported no-go seating nipple, size 2.25.Set packer about 60 feet above the perforations to be picked from the open hole logs previously run.

12. Pick up and run 4-1/2-inch O.D., 12.60-pound, K-55, Hydril super flush joint tubing as follows:

One NSCo. Type H-1 tubing hanger tapped for 4-1/2-inch O.D., 8 round thread.

One 4-1/2-inch O.D. 8 round thread pin to 4-1/2-inch O.D. Hydril super flush joint pin change nipple.

Approximately 5700 feet 4-1/2-inch O.D., 12.60-pound, K-55, Hydril super flush joint tubing.

One Baker Model "L" sliding sleeve assembly in open position.

One Baker locator seal assembly with 6 foot of seals (I.D. 2.375-inches).

Space out 4-1/2-inch O.D. tubing and land with 10,000 pounds compression.

13. Remove blowout preventer and install upper portion of wellhead. Swab fluid out of wellbore.
14. Release contract workover rig.

GENERAL INFORMATION

I. Material Required:

- a. Baker Model "FB" production packer (bore 3.000-inch), 10 foot seal bore protector and millout extension (I.D. 3.000-inches), Baker Model "F" non-ported seating nipple, size 2.31, 10 feet 2-7/8-inch O.D., 6.4-pound, J-55, 8 round thread, EUE pup joint, and Baker Model "R" non-ported no-go seating nipple, size 2.25.
- b. Complete NSCo. 3000 psi wellhead, 10-inch 3000 psi casing flange with slips to land 5-1/2-inch O.D. casing, 10-inch 3000 psi by 6-inch 3000 psi Type "B" tubing spool with H-1 hanger tapped for 4-1/2-inch O.D., 8 round thread, and upper portion of 4-1/2-inch wellhead.
- c. 6000 feet 5-1/2-inch O.D., 17-pound, K-55 super flush joint casing.
- d. 5900 feet 4-1/2-inch O.D., 12.60-pound, K-55, Hydril super flush joint tubing and a complete set of pup joints including a 4-1/2-inch O.D. 8 round thread pin to 4-1/2-inch O.D. super flush joint pin crossover sub.
- e. 4-1/2-inch O.D. Baker Model "L" sliding sleeve.
- f. 4-3/4-inch O.D. rock bit.

II. Equipment Required:

- a. Six 4-1/2-inch drill collars.
- b. 7-5/8-inch underreamer.
- c. Handling equipment for 5-1/2-inch O.D. flush joint casing and 4-1/2-inch O.D. flush joint tubing.
- d. 10-inch 3000 psi blowout preventer with 2-7/8-inch O.D. rams and 5-1/2-inch O.D. rams.
- e. 6-inch 3000 psi blowout preventer with 4-1/2-inch O.D. rams.
- f. Storage for 600 barrels of mud.
- g. Storage for 600 barrels of drip oil.
- h. Casing crew to pick up and run 5-1/2-inch O.D. casing and 4-1/2-inch O.D. tubing.
- i. 2-7/8-inch O.D. drill pipe and associated handling equipment.

III. The make up water should be tested for calcium and treated out with bi-carbonate soda prior to mud up. A Super-Col and Hi Vis CMC mud with a viscosity of about 40-50 sec./qt. is recommended. Initial mud up ratio should be five (5) Super-Col to one (1) CMC for 40-50 Vis. Then a ratio at ten (10) Super-Col to one (1) CMC for maintenance which should give a five (5) cc. water loss at total depth.

pH should be maintained at 7.0 - 8.0 to minimize oxygen activity to minimize corrosion.

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake
Lease No. 04505
Unit P

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF REDRILLING OR REPAIR.....
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....
NOTICE OF INTENTION TO ABANDON WELL.....	
<u>Notice of Cementing Conductor String</u>	<u>xx</u>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

E. S. Lauzer #1

Rock Springs, Wyoming, May 4, 1937

Well No. 1 is located 330 ft. from N line and 660 ft. from W line of sec. 27

NW¹ NW¹ sec. 27 3 N. 24 E.
(¹/₄ Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Clay Basin Dargett Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 6389 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

A conductor string, consisting of 13-3/8" - 54.50# - 8 Thread API Seamless Casing was landed and cemented May 1, 1937, as follows:

13 Jt., 293'8" Gross, 290'5" Net, landed on casing clamps at 308'3" - 17'10" below the top of the rotary table. A common casing shoe was used and electric welded. First 7 joints were electric spot welded above and below collars. Cemented by Perkins Oil Well Cementing Company with 150 sacks of Monolith cement, last 50 sacks treated. Cement returned to the cellar.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company MOUNTAIN FUEL SUPPLY CO.
Box 932

Address Rock Springs, Wyo.
Approved May 8, 1937

E. S. Ferguson
District Engineer

By C. H. Hetzler

305 Fed. Bldg., Casper, Wyoming Title Vice President

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake
Lease No. 045053
Unit P.

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
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NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....		
Notice of Intention to Plug Back & Cement 6-5/8" Casing		kx

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

E. S. Lauzer #1 Rock Springs, Wyo.-July 24th, 1937

Well No. 1 is located 330 ft. from N line and 330 ft. from W line of sec. 27

NW1/4 NW1/4 Sec. 27 3 N. 24 E. Clay Basin
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian) (Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 6389 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

This well has been drilled to a total depth of 5954 feet into shales of the Morrison formation. It is our intention to cement the hole back to 5796 feet, which is the base of the Dakota gas producing horizon. It is our intention to then set and cement a string of 6-5/8" - 26# - 10-thread A.P.I. seamless casing at 5746 feet on top of the first Dakota sandstone.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company MOUNTAIN FUEL SUPPLY CO.
Box 932
Address Rock Springs, Wyo.
Approved July 30, 1937
R. D. Ferguson By C. R. Hetzler
Dist. Engr. Title Vice Pres.
305 Fed. Bldg., Casper, Wyo.

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY.

Land Office Salt Lake
Lease No. 045053
Unit P

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
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NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....		
Notice of Cementing 6-5/8" Casing.....		xx

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

E. S. Lauzer Well #1 Rock Springs, Wyoming-July 26, 1937

Well No. 1 is located 330 ft. from N line and 660 ft. from EX line of sec. 27
NW1/4 NW1/4 Sec. 27 3N. 24 E.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Clay basin Dargett Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 6389 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

A string of 6-5/8" - 26# - 10-thread API Seamless casing was landed and cemented on July 26, 1937 in this well as follows: 180 joints, 5,772' 3" gross; 5,727' 3" net were landed on casing clamps at 5,745' 3" - 18' 0" below the top of rotary table. A Baker Float Shoe was used and a Baker Float Collar was placed on top of the second joint from the bottom. Cemented by Perkins Oil Well Cementing Company with 400 sacks of Monolith cement, last 50 sacks treated.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company MOUNTAIN FUEL SUPPLY CO.

Address Box 932 Rock Springs, Wyo.

Approved July 30, 1937

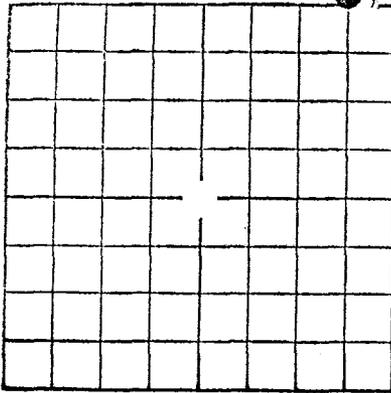
R. D. Ferguson
District Engineer

By C. R. Hetzler

305 Fed. Bldg. Casper, Wyo Title Vice Pres.

BEST COPY AVAILABLE

U. S. LAND OFFICE Salt Lake
 SERIAL NUMBER 045053
 LEASE OR PERMIT TO PROSPECT R.



LOCATE WELL CORRECTLY

DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Mountain Fuel Supply Co. Address Box 932 - Rock Springs, Wyo.
 Lessor or Tract E. S. Lauzer Field Clay Basin State Utah
 Well No. 1 Sec. 27 T. 3 R. 24 Meridian County Daggett
 Location 330 ft. S. of N. Line and 660 ft. E. of W. Line of Sec. 27 Elevation 6389'
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed C. R. Hetzler

Date August 27, 1937 Title Vice President

The summary on this page is for the condition of the well at above date.

Commenced drilling April 29, 1937 Finished drilling August 4, 1937

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from (G) 5431 to 5483 No. 4, from _____ to _____
 No. 2, from (G) 5748 to 5795 No. 5, from _____ to _____
 No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____
 No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From	To	
13-3/8	54.5	8	API		Common				Condtr.
6-5/8	26	10	API		Baker Float				Prod.
2-1/2	6.5	10	U.E.		Bottom Hole Choke				Prod.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8	308' 3"	150	Perkins		
6-5/8	5745' 3"	400	Perkins		

MARK 6

FOLD

Heaving plug—Material Length Depth set

Adapters—Material Size

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from 0 feet to 5955 feet, and from feet to feet

Cable tools were used from feet to feet, and from feet to feet

DATES

....., 19..... Put to producing, 19.....

The production for the first 24 hours was barrels of fluid of which % was oil; % emulsion; % water; and % sediment. Gravity, °Bé.

If gas well, cu. ft. per 24 hours 14,571,000 Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. 2195

EMPLOYEES

C. H. Mitchell Driller

H. E. Wickwire Driller

G. E. Jeffries Driller

C. C. Spencer Driller

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
Please see attached formation record			

7

E. S. LAUZER
Sec. 27-3-24
Well No. 1

Casing Record

13-3/8" - 54.50# - 8 Thread API Seamless Casing

13 Jts., 293'8" Gross, 290' 5" Net, landed on casing clamps at 308'3" - 17'10" below the top of the rotary table. A common casing shoe was used and electric welded. First 7 joints were electric spot welded above and below the collars. Cemented on May 1, 1937, by Perkins Oil Well Cementing Company with 150 sacks of Monolith cement, last 50 sacks treated. Cement returned to the cellar.

6-5/8" - 26# - 10 Thread API Seamless Casing

180 Jts., 5772'3" Gross, 5727'3" Net, were landed on casing clamps at 5745'3" - 18'0" below the top of the rotary table. A Baker float shoe was used and a Baker float collar was placed on top of the second joint from the bottom. Cemented on July 25, 1937, by Perkins Oil Well Cementing Company with 400 sacks of Monolith cement, last 50 sacks treated.

2-1/2" - 6.5# - 10 Thread U. E. API Tubing

182 Jts., 5768'5" Gross, 5741'0" Net, set on Hetzler ball bearing tubing head at 5745' - 4' below the top of the rotary table. A Metzler bottom hole choke, which was 25'2" long and which was included in the above tally, was installed in the well.

Measurements

From bottom of cellar to ground level 9'9"
From ground level to derrick floor 7'11"
From derrick floor to top of rotary table 1'11"
From bottom of cellar to top of rotary table 19'7"

RESULTS OF TEST OF E. S. LAUZER WELL #1

Date	Time	Gauge No.	Water (Gals)	Gasoline (Gals)	Gauge Press. on Separator	Back Pressure On Well	Sample No.	Gauge Press (Lbs.)	Open Flow Measurement
Aug. 3	9:30 A.M.	1	Well flowing	wide open	through 4" I.D. pipe			24	13,402,880
Aug. 3	10:45 A.M.	2	"	"	"	4" "	"	25	13,678,080
Aug. 3	12:10 P.M.	3	"	"	"	4" "	"	27	14,035,200
Aug. 3	1:30 P.M.	1	Well flowing	through tubing	into 4" flow line			20	12,567,320
Aug. 3	2:00 P.M.	2	"	"	"	4" "	"	21	12,710,400
Aug. 3	2:20 P.M.	1	?	?	100#	1025#			11,809,920
Aug. 3	2:45 P.M.	2	?	?	100#	1025#			11,809,920
Aug. 3	4:45 P.M.	3	54	21	100#	1035#	1		11,809,920
Aug. 3	6:45 P.M.	4	50	31	100#	1035#	2		12,063,360

Well shut in at 7:00 P.M. for night. Rock Pressure test at 8:30 A.M. August 4th 2195#

Aug. 4	9:00 A.M.	1	-	-	100#	1050#	-		12,063,360
Aug. 4	10:03 A.M.	2	22	40	100#	1055#	3		12,063,360
Aug. 4	11:15 A.M.	3	22 $\frac{1}{2}$	29	100#	1055#	4		12,063,360
Aug. 4	12:25 A.M.	4	20 $\frac{1}{2}$	29	100#	1055#	5		12,063,360
Aug. 4	1:40 P.M.	5	19	30	100#	1055#	6		12,063,360
Aug. 4	2:55 P.M.	6	17	30	100#	1060#	7		12,315,840
Aug. 4	4:05 P.M.	7	17	31	100#	1060#	8		12,315,840
Aug. 4	5:20 P.M.	8	17	31	100#	1060#	9		12,315,840
Aug. 4	6:35 P.M.	9	17	31	100#	1060#	10		12,315,840

Opened well through 4" on Casing Head, closed off tubing and let well blow through 4" outlet. Let blow for ten minutes, then made following gauges:

1	After blowing 10 minutes	30	14,570,880
2	After blowing another 10 minutes	30	14,570,880
3	After blowing another 10 minutes	30	14,570,880

Sheet No. 2
 E. S. Lauzer Well #1
 Sec. 27-3-24
 Clay Basin Field
 Daggett County, Utah

BEST COPY
 AVAILABLE

Formation Record

Formation Record

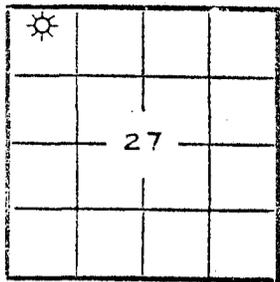
Shale, black & gray	5492	5501
Shale, black	5501	5519
Shale & sand	5519	5529
Shale & hard sand	5529	5544
Shale, sandy & calcite	5544	5584
Shale - streaks of sand & shell	5584	5601
Shale, hard, sandy	5601	5611
Shale, blue & sand	5611	5633
Shale, hard, black & Bentonite	5633	5656
Shale, hard, sandy	5656	5670
Shale, hard, sandy & Bentonite	5670	5687
Shale, hard, black & sand streaks	5687	5700
Shale, black	5700	5701
Cherty limestone	5701-	5702
Bentonite	5702	5703
Shale, black & Bentonite	5703	5710
Shale, black & Bentonite	5710	5739
Shale, dark gray, sandy, with sand streaks	5739	5744
Sand, gray, very hard, fine, with shale streaks -		
Sand, gray, with thin black shale streaks - shows gas in shale partings	5748	5749
Sand, gray - shows gas - 1st DAKOTA gas	5749	5769
Sand, gray - no indica- tions of gas	5769	5787
Sand, gray - shows gas	5787	5795
Sand, gray, with thin sandy shale streaks	5795	5796
Shale, dark gray, sandy	5796	5805
Shale, black, sandy & coarse dark gray sand	5805	5821
Bentonitic sand & shale	5821	5836
Shale, broken, black	5836	5843
Shale, gray, sandy	5843	5853
Bentonitic shale, dark gray & Bentonite	5853	5871
Shale, gray, sandy	5871	5872
Sand, green & gray, variegated	5872	5882
Shale, blue	5882	5886
Shale, gray, sandy	5886	5888
Sand, gray, with sandy shale streaks, pyrite	5888	5895
Shale, blue-gray & Bentonitic shale	5895	5907
Shale, blue-gray with small black shale specks & pyrite	5907	5920
Shale, dark gray & Bentonite	5920	5938
Shale, variegated, green-gray & white	5938	5955

6399
 5744

 655

Plugged back to 5796'.

Company Mountain Fuel Supply Co. Farm E. S. Lauzer Well No. 1



Location 330' S. of N. Line & 660' E. of W. Elev. ^{6388'}~~6382'~~
 I. P. Gas 14,571,000 Cu.ft. R. P. 2195 # Oil _____ Bbls.
 Drilling Commenced Apr. 29, 1937 Completed August 4, 1937
 Total Depth 5796'

Remarks: 14,571,000 Cu.ft. gas per 24 hours from
Sands Dakota Sand at 5748 to 5795 feet.

Casing Record: 13-3/8" csg. cemented @ 308'3" with 150
sacks; 6-5/8" casing cemented @ 5745' 3" with 400 sacks. Well tubed with
2-1/2" U.E. Tubing.

FORMATION RECORD			FORMATION RECORD		
	From	To		From	To
Alluvium	0	30	Shale & shells	5231	5381
Shale, sandy	30	60	Shell	5381	5386
Shale	60	385	Shale	5386	5387
Shale, sandy	385	455	Shell, hard	5387	5390
Shale, sandy, gray	455	525	Sand - [REDACTED]		
Sand, gray & shale	525	585	Sand, with black shale		
Shale & shells	585	644	streaks & coal	5400	5406
Shale, gray, sandy & shell	644	709	Shale, black & sand	5406	5408
Shale, gray, sandy & shell	709	785	Shale, black, sandy	5408	5410
Shale, sandy	785	948	Sand, gray - streaked		
Sand, shale & shells	948	960	with black shale	5410	5413
Shale, gray, sandy	960	981	Shale, dark gray, sandy	5413	5416
Shale, gray, sandy & shells	981	1125	Sand, gray - stripped		
Shale, hard, sandy & shells	1125	1165	with shale	5416	5418
Shale, hard, sandy	1165	1955	Bentonitic sand	5418	5418'6"
Shale, hard	1955	1960	Shale, sandy, gray, very hard	5418'6"	5420
Shale & shells	1960	2044	Shale, sandy, hard, dark gray	5420	5423
Shale, gray, sandy	2044	2072	Sand, hard, gray	5423	5424
Sand, gray & shale	2072	2130	Shell & sand	5424	5425
Shale, sandy	2130	2192	Shale, dark gray, sandy with black		
Shale & shells	2192	2219	shale streaks	5425	5429
Sand & shale	2219	2259	Shale, black	5429	5431
Shale, sandy	2259	2412	Sand, gray, with coal streaks	5431	5432
Shale	2412	2464	Sand, hard, gray, with thin black shale		
Shale, sandy	2464	2533	streaks	5432	5437
Shale	2533	2570	Sand, hard, fine, gray	5437	5438
Shale, sandy	2570	2733	Sand, hard, gray, medium - with occasional shale streaks.		
Shale	2733	2741	Last 1' show of gas	5438	5451
Shale, sandy	2741	2852	Sand, hard, gray, medium - with occasional shale streaks.		
Shale	2852	2887	Show of gas	5451	5468
Sand & shells	2887	2909	Sand, hard, gray, medium	5468	5470
Shale	2909	2942	Sand, light gray, with black shale streaks	5470	5473
Shale, hard, sandy	2942	2981	Sand, hard, gray, medium with black shale streaks	5473	5477
Shells & sticky shale	2981	3016	Sand, light gray, with black shale streaks	5477	5479
Shale & shells	3016	3050	Sand, gray, hard, medium with dark shale	5479	5482
Shale, hard, sandy	3050	3086	Sand, gray, hard, coarse. Show of gas	5482	5483
Shale & shells	3086	3200	Shale, black	5483	5486
Shale, hard, sandy	3200	3226	Sand, coarse, gray, show of gas	5486	5492
Shale & shells	3226	3980			
Shale, hard, sandy	3980	4022			
Shale, sandy & shells	4022	4100			
Shale, sandy	4100	4127			
Shale & shells	4127	4163			
Shale, sandy & shells	4163	4181			
Shale	4181	4197			
Shale & shells	4197	4369			
Shale, sandy	4369	4500			
Shale & shells	4500	4793			
Shale & shells -- Pentonite	4793	4817			
Shale & shells	4817	5182			
Shale, sandy & shells	5182	5231			

Field Clay Basin
 Farm E. S. Lauzer
 Company Mountain Fuel Supply Company

Sec. 27 T. 3 R. 24
 Well No. 1

Page

FORMATION RECORD

FORMATION RECORD

	From	To
Shale, black	5483	5486
Sand, coarse gray. Show of gas	5486	5492
Shale, black and gray	5492	5501
Shale, black	5501	5519
Shale and Sand	5519	5529
Shale and hard sand	5529	5544
Shale, sandy & calcite	5544	5584
Shale, streaks of sand and shell	5584	5601
Shale, hard sandy	5601	5611
Shale, blue and sand	5611	5633
Shale, hard black and bentonite	5633	5656
Shale, hard sandy	5656	5670
Shale, hard sandy and bentonite	5670	5687
Shale, hard black and sand streaks	5687	5700
Shale, black	5700	5701
Shale, light gray	5701	5702
Bentonite	5702	5703
Shale, black & bentonite	5703	5710
Shale, black & bentonite	5710	5739
Shale, dark gray, sandy with sand streaks	5739	5744
Sand, gray, very hard, fine - with shale streaks - TOP DAKOTA	5744	5748
Sand, gray - with thin black shale streaks - Shows gas in shale partings	5748	5749
Sand, gray, gas 9,560,000 cu. ft. 1st DAKOTA GAS SAND	5749	5769
Sand, gray. No indications of gas	5769	5787
Sand, gray. Shows gas	5787	5795
Sand, gray - with sandy shale streaks	5795	5796
Shale, dark gray, sandy	5796	5805
Shale, black, sandy & coarse dark gray sand	5805	5821
Bentonitic sand & shale	5821	5836
Shale, black, broken	5836	5843
Shale, gray, sandy	5843	5853
Shale, dark gray, bentonitic	5853	5871
Shale, gray, sandy	5871	5872
Sand, green and gray variegated	5872	5882
Shale, blue	5882	5886
Shale, gray, sandy	5886	5888
Sand, gray - with sandy shale streaks - pyrite	5888	5895
Shale, blue-gray and bentonitic shale	5895	5907
Shale, blue-gray - with small black shale specks and pyrite	5907	5920
Shale, dark gray	5920	5938
Shale, variegated green-gray and white	5938	5955

5749
 5492
 252

5749
 290
 5504

26
 24
 50

Plugged back to 5796'.

Field Clay Basin Utah County Da tt Sec. 27 T. 3S R. 24E
 Company Mountain Fuel Supply Co. Farm E. S. Lauzer Well No. 1

Location 330' S of N Line & 660' E of W Line Elev. 6388' GR?

I.P. Gas 14,571,000 cu. ft. R.P. 2195 # Oil Bbls.

Drilling Commenced April 29, 1937 Completed August 4, 1937

Total Depth 5796'

Remarks: 14,571,000 cu. ft. gas per 24 hours from

Sands Dakota sand at 5748' to 5795'.

Casing Record: 13-3/8" csg. cemented @ 308' 3" with 150 sacks;
6-5/8" casing cemented at 5745' 3" with 400 sacks. Well tubed with
2-1/2" U. E. tubing.

☀			
	27		

CONFIDENTIAL LOG

FORMATION RECORD			FORMATION RECORD		
	From	To		From	To
Alluvium	0	30	Shale and shells	5231	5381
Shale, sandy	30	60	Shell	5381	5386
Shale	60	385	Shale	5386	5387
Shale, sandy	385	455	Shell, hard	5387	5390
Shale, gray, sandy	455	525	Sand - TOP FRONTIER ✓	5390	5400
Sand and shale	525	585	Sand, with black shale	5400	5406
Shale and shells	585	644	streaks & coal	1/2 5400	6 5406
Shale, gray, sandy and shell	644	709	Shale, black & sand	5406	5408
Shale, gray, sandy and shell	709	785	Shale, black, sandy	5408	5410
Shale, sandy	785	948	Sand, gray - streaked	5410	5413
Sand, shale and shells	948	960	with black shale	1/2 5410	3 5413
Shale, gray, sandy	960	981	Shale, dark, gray, sandy	5413	5416
Shale, gray, sandy and shells	981	1125	Sand, gray - stripped	5416	5418
Shale, hard, sandy and shells	1125	1165	with shale	5418	5418'6"
Shale, hard, sandy	1165	1955	Bentonitic sand	5418	5418'6"
Shale, hard	1955	1960	Shale, gray, sandy -	5418'6"	5420
Shale and shells	1960	2044	very hard	5420	5423
Shale, gray, sandy	2044	2072	Shale, hard, dark gray	5420	5423
Sand, gray and shale	2072	2130	sandy	5423	5424
Shale, sandy	2130	2192	Sand, hard, gray	5423	5424
Shale and shells	2192	2219	Shell and sand	1/2 5424	5425
Sand and shale	2219	2259	Shale, sandy, dark	5425	5429
Shale, sandy	2259	2412	gray - with black	5425	5429
Shale	2412	2464	shale streaks	1/2 5425	4 5429
Shale, sandy	2464	2533	Shale, black	5429	5431
Shale	2533	2570	Sand, gray - with	5431	5432
Shale, sandy	2570	2733	coal streaks	5431	5432
Shale	2733	2741	Sand, hard, grey -	5431	5432
Shale, sandy	2741	2852	with thin black	5432	5437
Shale	2852	2887	shale streaks	1/2 5432	5 5437
Sand and shells	2887	2909	Sand, fine gray,	5437	5438
Shale	2909	2942	hard	5437	5438
Shale, hard, sandy	2942	2981	Sand, gray, medium	5438	5451
Shells and sticky shale	2981	3016	hard - with occa-	5438	5451
Shale and shells	3016	3050	sional shale streaks.	5438	5451
Shale, hard, sandy	3050	3086	Last 1' shows gas -	5438	5451
Shale and shells	3086	3200	100,000 cu. ft.	5438	5451
Shale, hard, sandy	3200	3226	Sand, gray, medium	5438	5451
Shale and shells	3226	3980	hard - with occa-	5438	5451
Shale, hard, sandy	3980	4022	sional shale streaks,	5438	5451
Shale, sandy and shells	4022	4100	Show of gas	5451	5468
Shale, sandy	4100	4127	Sand, gray, medium	5451	5470
Shale and shells	4127	4163	hard	5451	5470
Shale, sandy and shells	4163	4181	Sand, light gray -	5451	5470
Shale	4181	4197	with black shale	5451	5470
Shale and shells	4197	4369	streaks	1/2 5470	3 5473
Shale, sandy	4369	4500	Sand, gray, medium	5470	5473
Shale and shells	4500	4793	hard - with black	5470	5473
Shale, shells and bentonite	4793	4817	shale streaks	1/2 5473	2 5477
Shale and shells	4817	5182	Sand, light gray -	5473	5477
Shale, sandy & shells	5182	5231	with black shale	5473	5477
			streaks	1/2 5477	2 5479
			Sand, gray, medium	5477	5479
			hard - with dark	5477	5479
			shale	1/2 5479	2 5482
			Sand, gray, hard, coarse	5479	5482
			Show of gas	5482	5483

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Laboratory - ~~Midwest~~, Wyoming

INFORMATION TO BE FURNISHED WITH EACH SAMPLE OF WATER

Marks on container Lab. No. 38-734 (Filled by Chemist)
SOURCE OF SAMPLE:

Field Clay Basin, Utah Farm or {Permit E. S. Lauzer
Lease Salt Lake 045033
(Serial Number)

Operator Mountain Fuel Supply Operator's Address Rock Springs, Wyo.

Well No. 1 EX 21 $\frac{1}{4}$ Sec. 27 T. 3 N R. 24 E M.

Sample taken by D. K. Bowen Date taken 8-5-37

If known, name of sand (or formation) from which this sample is produced Dakota
(If doubtful, so state)

Depth to top of sand 5745 Depth to bottom of sand 5796

Depth well drilled 5951 Present depth

Depths (if known) where water encountered 5745 to 5796

Depth at which water string is landed, cemented, mudded 5745

METHOD OF SAMPLING:

Place where sample was obtained (sump hole, lead line, flow tank, bailer, etc.)

Flow tank

Method of production (flowing, pumping, air, etc.)

Initial production:

Barrels Oil
Barrels Water
Gas Volume 14,000,000
Rock Pressure 2135

Present production:

Barrels Oil
Barrels Water
Gas Volume
Rock Pressure

REASON FOR ANALYSIS:

- (1) Future reference:
- (2) See letter
- (3) Correlation:
- (4)

Note: A sample for analysis is of no value unless accompanied by above information. Complete information on this form is to be attached to each sample container; otherwise sample will be disregarded. Be sure to seal or tightly cork all containers immediately after sampling and label all samples so that there will be no confusion.

10

WATER ANALYSIS

Condition of Sample..... Laboratory No. **58-W34**
 Analyzed by **J.G.Crawford** at **Midwest, Wyoming** Date **9-2-37**

Reacting Values

	Parts per million	Reacting value	Value in percent
Sodium and Potassium (calculated as Sodium)	1780	77.40	47.69
Calcium (Ca)	75	3.74	2.31
Magnesium (Mg)	Trace		
Iron (Fe)			
Sulphate (SO ₄)	1623	33.79	20.82
Nitrate (NO ₃)			
Chloride (Cl)	1144	52.27	19.89
Carbonate (CO ₃)			
Bicarbonate (HCO ₃)	920	15.08	9.29
Hydroxide (OH)			
Silica (SiO ₂)			
Hydrogen Sulphide (H ₂ S)			

Total solids
in parts per million

Properties of reaction in
percent

By evaporation..... **5078**
 After ignition..... **4782**
 Calculated..... **5074**

Primary salinity..... **81.42**
 Secondary salinity..... **0.00**
 Primary alkalinity..... **13.93**
 Secondary alkalinity..... **4.62**
 Chloride salinity..... **48.85**

Sulphate salinity..... **51.15**

Remarks and conclusions..... We have no previous analyses from this field, and no analysis of your drilling water, but, presuming your drilling water is surface water, would say that this sample is formation water.

CHEMICAL & GEOLOGICAL LABORATORIES

521 South Center St. P. O. Box 279
Casper, Wyoming

CORE ANALYSIS REPORT

Field..... CLAY BASIN, UTAH Well No..... E. S. Lauzer #1 Unit #4
 Operator..... Mountain Fuel Supply Company Location..... NW $\frac{1}{4}$ NW $\frac{1}{4}$ 27-3N-24E
 Formation..... Depths..... 5744 - 5796E Lab. No..... 1365
 Analyzed by..... Chemical-Geological Laboratories Date..... April 16, 1948

SAMPLE NO.	DEPTH, FEET	EFFECTIVE POROSITY	PERMEABILITY, MILLIDARCIES		OIL SATURATION		WATER SATURATION	
			H	V	PERCENT PORE SPACE	BARRELS PER ACRE FEET	PERCENT PORE SPACE	BARRELS PER ACRE FEET
1	5744-46A	7.3	0	0				
2	5748-49A	5.6	0	0.01				
3	5749-67A	12.0	0	0				
4	5749-67B	12.1	0	0				
5	5749-67C	9.6	0	0.02				
6	5767-69A	12.2	0	0.03				
7	5769-87A ⁷⁰	21.1	0	42				
8	5769-87B ⁷²	20.3	0	41				
9	5769-87C ⁷⁴	20.9	0	0				
10	5769-87D ⁷⁶	6.7	0	0				
11	5769-87E ⁷⁸	17.2	1.75	308				
12	5769-87F ⁸⁰	23.8	0	9.35				
13	5769-87G ⁸²	17.6	7.62	0				
14	5787-96A ⁸⁷	18.1	0.35	0				
15	5787-96B ⁸⁹	19.2	0	61				
16	5787-96C ⁹¹	18.2	0	0.44				
17	5787-96D ⁹³	16.1	0	0.07				
18	5787-96E ⁹⁵	11.1	0	0				
19	5787-96F ⁹⁶	9.5	0	0.03				

SUMMARY

[Arithmetical average, excluding sections with less than one-tenth millidarcy permeability]

DEPTH. FROM	FEET TO	FEET OF SAND	AVERAGE POROSITY	AVERAGE PERMEABILITY	AVERAGE OIL SATURATION	AVERAGE WATER SATURATION

4

From: C. R. Owen

Rock Springs, Wyoming

To: T. M. Colson

April 13, 1976

Tentative Plan to Run 5-1/2-inch O.D.
Casing and Recomplete

Unit Well No. 4
Clay Basin Field

Clay Basin Unit Well No. 4 was drilled with rotary tools to a total depth of 5955 feet. 6-5/8-inch O.D. casing was run and set at the top of the Dakota sand at 5745 feet KB. Using cement, the well was plugged back to the bottom of the productive interval at 5796 feet.

To restore this well, it will be necessary to drill out about 130 feet of cement to 5926 feet. This depth should allow approximately 100 feet of rat hole below the storage sand. Logs defining the storage sand are not available at this time. The Hetzler wellhead will be replaced and 5-1/2-inch O.D. flush joint casing will be installed through the Dakota sand and cemented. The sand will be perforated and 4-1/2-inch O.D. tubing installed.

The following is a tentative plan to accomplish the above described work. A cost estimate and present status drawing are attached.

1. Move in and rig up a contract workover rig. Mud tanks, pump, and drilling equipment will be required.
2. Kill well with drilling mud with maximum water loss of 5 cc. by pumping down tubing-casing annulus and up the 2-7/8-inch O.D. tubing. See General Information, Step III, for water make up. Approximately 200 barrels will be required to fill wellbore. Estimated bottom hole pressure is 475 psi. 9-pound per gallon drilling mud will exert a hydrostatic pressure of 2642 psi at the top of the open hole section at 5745 feet.
3. Dig out cellar to the top of the 6-5/8-inch O.D. casing. With well dead, cut off Hetzler wellhead and set slips on 2-7/8-inch O.D. tubing. Strip on a weld-on 10-inch 3000 psi Type "B" casing flange bored to slip on 6-5/8-inch O.D. casing. Install a 10-inch 3000 psi hydraulically operated double gate blowout preventer equipped with 2-7/8-inch O.D. rams in top and blind rams in bottom. Pull and lay down 2-7/8-inch O.D., 6.5-pound, 10 round thread, EUE, API tubing.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIP DATE*
(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 checked="" type="checkbox"/> OTHER		7. UNIT AGREEMENT NAME Clay Basin Unit
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 330' FNL, 660' FWL NW NW		10. FIELD AND POOL, OR WILDCAT Clay Basin
14. PERMIT NO. -	15. ELEVATIONS (Show whether DF, RT, GR, etc.) KB 6397.83' GR 6388'	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NW NW 27-3N-24E
		12. COUNTY OR PARISH 13. STATE Daggett Utah

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

NOTICE OF INTENTION TO:

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 type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <u>Rework</u>	<input checked="" type="checkbox"/>

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(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 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.)*

TD 5955', PBD 5796', completed in Dakota open hole. Full

We would like to clean out to 5926', run approximately 5880' of 5-1/2" casing and set with 79 sacks of cement, perforate the Dakota formation with 2 HPF jumbo jet shots per foot at intervals yet to be determined, run 4-1/2" tubing, place well on production.

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING

DATE: August 9, 1976

BY: P. H. Ansell

18. I hereby certify that the foregoing is true and correct
SIGNED BW Craft TITLE Vice President, Drilling DATE Aug. 4, 1976

(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

PI
SUBMIT IN TRIPlicate
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

SL 045053

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

330' FNL, 660' FWL NW NW

7. UNIT AGREEMENT NAME
Clay Basin Unit

8. FARM OR LEASE NAME
Unit Well

9. WELL NO.

4

10. FIELD AND POOL, OR WILDCAT
Clay Basin

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

NW NW 27-3N-24E

14. PERMIT NO.

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

-

KB 6397.83'

GR 6388'

12. COUNTY OR PARISH

Daggett

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) Rework

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.)*

TD 5955', PBD 5830', well shut in.

Rigged up work over unit on 9-24-76, cleaned out to 5947', landed 5859.87' net, 5902.43' gross of 5-1/2"OD, 17#, K-55, Super FJ Hydril casing at 5869.70' KBM, and set with 75 sacks of cement, cleaned out to 5830', perforated from 5726' to 5780' with 2 jumbo jet shots per foot, set packer at 5702.77', top of packer at 5674', landed 4-1/2" tubing at 5683.03' KBM, flowed well for 3 hours using lateral gas, rig released 10-9-76, well shut in.

FINAL REPORT.

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

SIGNED

R. D. Myers

TITLE

Manager, Drilling and
Petroleum Engineering

DATE

Oct. 12, 1976

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

April 15, 1985

Bureau of Land Management
170 South 500 East
Vernal, Utah 84078

Attention: Benna

Gentlemen:

Re: Clay Basin Units #2, #3, #4, #5, #6, #10, and #11

Benna, we are unable to reach a decision regarding the status of the above mentioned wells. Wexpro states they are Gas Storage Wells and that they sent sundry's to that affect.

Reviewing our files, I am unable to locate any sundry's or any other information indicating that these are Gas Storage Wells. Perhaps Wexpro sent copies to you and not to us. Can you shed any light on the subject?

Any help you could provide us would be greatly appreciated.

Sincerely,

Vicky Carney
Office Specialist, Production

cc: Dianne R. Nielson
Ronald J. Firth
Norman C. Stout
File

0031-53



United States Department of the Interior

BUREAU OF LAND MANAGEMENT
VERNAL DISTRICT OFFICE
170 South 500 East
Vernal, Utah 84078

IN REPLY
REFER TO:

3100
Clay Basin Unit

April 30, 1985

Mountain Fuel Supply Co.
P.O. Box 11368
Salt Lake City, UT 84139

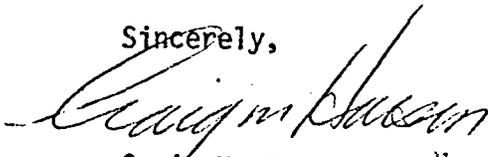
Re: Well No. 2 Sec. 21, T3N, R24E, SLB&M Lease SLC-045051-A	Well No. 6 Sec. 23, T3N, R24E, SLB&M Lease SLC-045051-B
Well No. 3 Sec. 16, T3N, R24E, SLB&M State Lease	Well No. 10 Sec. 23, T3N, R24E, SLB&M Lease SLC-045049
Well No. 4 Sec. 27, T3N, R24E, SLB&M Lease SLC-045053-A	Well No. 11 Sec. 22, T3N, R24E, SLB&M Lease SLC-045051-A
Well No. 5 Sec. 20, T3N, R24E, SLB&M Fee Lease	All in Clay Basin Unit. All in Daggett County, Utah.

Gentlemen:

The aforementioned wells were originally completed as gas wells producing from the Dakota Formation. However, plan of developments/subsequent reports submitted for the Clay Basin Unit for calendar years 1977 through 1983 indicate that these wells are being converted to gas injection wells. If conversion has occurred, please submit sundry notices with subsurface schematics depicting the current status for each well. If alterations occurred to the casing while conversion was taking place, please submit Well Completion and Recompletion Report and Log for those wells affected, along with the aforementioned sundry notices.

Thank you for your cooperation in this matter. If you have any questions, please contact Allen McKee at (801) 789-1362.

Sincerely,


Craig M. Hansen
Assistant District Manager
for Minerals



CELSIUS ENERGY COMPANY

P.O. BOX 458 • ROCK SPRINGS, WYOMING 82901 • PHONE (307) 382-9791

MAY 1985

RECEIVED
DEPT. OF INTERIOR
BUREAU OF LAND MANAGEMENT

May 8, 1985

Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, Utah 84078

MAY 13 1985

Re: Well No. 2
Sec. 21, T3N, R24E, SLB&M
Lease SLC-045051-A

Well No. 6
Sec. 23, T3N, R24E, SLB&M
Lease SLC-045051-B

Well No. 3
Sec. 16, T3N, R24E, SLB&M
State Lease

Well No. 10
Sec. 23, T3N, R24E, SLB&M
Lease SLC-045049

Well No. 4
Sec. 27, T3N, R24E, SLB&M
Lease SLC-045053-A

Well No. 11
Sec. 22, T3N, R24E, SLB&M
Lease SLC-045051-A

Well No. 5
Sec. 20, T3N, R24E, SLB&M
Fee Lease

All in Clay Basin Unit.
All in Daggett County, Utah

Dear Mr. McKee:

In reference to your letter 3100 on Clay Basin Unit, the above wells in question have all been converted to gas injection/withdrawal wells. This work was performed in 1976. Attached are sundries for wells that were reperforated in the Dakota along with schematics depicting each wells current status.

Thank you for bringing this matter to our attention. If you have any further questions, please contact me at 307-382-9791.

Sincerely,

Robert L. Rasmussen
Staff Engineer

RLR/srl

Attachments



CELSIUS ENERGY COMPANY

P.O. BOX 458 • ROCK SPRINGS, WYOMING 82901 • PHONE (307) 382-9791

RECEIVED

JUN 27 1985

DIVISION OF OIL
GAS & MINING

June 25, 1985

State of Utah Natural Resources
Oil, Gas and Mining
355 W N Temple, Suite 350
Salt Lake City, Utah 84180-1203

Re: Well No. 2
Sec. 21, T3N, R24E, SLB&M
Lease SLC-045051-A

Well No. 6
Sec. 23, T3N, R24E, SLB&M
Lease SLC-045051-B

Well No. 3
Sec. 16, T3N, R24E, SLB&M
State Lease

Well No. 10
Sec. 23, T3N, R24E, SLB&M
Lease SLC-045049

~~Well No. 4~~
Sec. 27, T3N, R24E, SLB&M
Lease SLC-045053-A

Well No. 11
Sec. 22, T3N, R24E, SLB&M
Lease SLC-045051-A

Well No. 5
Sec. 20, T3N, R24E, SLB&M
Fee Lease

All in Clay Basin Unit.
All in Daggett County, Utah

Dear Ms. Poulsen:

In reference to your letter on the Clay Basin Unit, the above wells in question have all been converted to gas injection/withdrawal wells. This work was performed in 1976. Attached are sundries for wells that were reperforated in the Dakota along with schematics depicting each wells current status.

Thank you for bringing this matter to our attention. If you have any further questions, please contact me at 307-382-9791.

Sincerely,

Robert L. Rasmussen
Staff Engineer

RLR/sr1

Attachments

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN 1
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

SL 045053

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.)

7. UNIT AGREEMENT NAME

Clay Basin Unit

8. FARM OR LEASE NAME

Unit Well

9. WELL NO.

4

10. FIELD AND POOL, OR WILDCAT

Clay Basin

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

NW NW 27-3N-24E

12. COUNTY OR PARISH

Daggett

13. STATE

Utah

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Mountain Fuel Supply Company

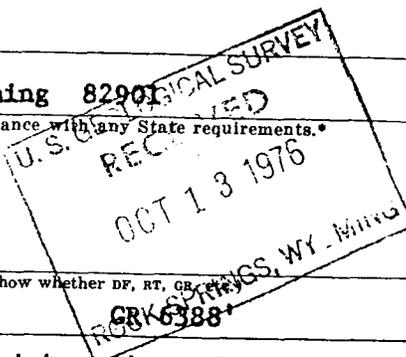
3. ADDRESS OF OPERATOR
P. O. Box 1129, Rock Springs, Wyoming 82901

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

330' FNL, 660' FWL NW NW

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
KB 6397.83' GRK 6388'



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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

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

WATER SHUT-OFF
FRACTURE TREATMENT
SHOOTING OR ACIDIZING
(Other) Rework
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.)*

TD 5955', PBD 5830', well shut in.

Rigged up work over unit on 9-24-76, cleaned out to 5947', landed 5859.87' net, 5902.43' gross of 5-1/2"OD, 17#, K-55, Super FJ Hydril casing at 5869.70' KBM, and set with 75 sacks of cement, cleaned out to 5830', perforated from 5726' to 5780' with 2 jumbo jet shots per foot, set packer at 5702.77', top of packer at 5674', landed 4-1/2" tubing at 5683.03' KBM, flowed well for 3 hours using lateral gas, rig released 10-9-76, well shut in.

FINAL REPORT.



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

Original Signed
SIGNED R. G. MYERS TITLE Manager, Drilling and Petroleum Engineering

DATE Oct. 12, 1976

(This space for Federal or State office use)

APPROVED BY [Signature] TITLE Dist. Engr.

DATE Oct 13 1976

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

Form approved.
Budget Bureau No. 42-R1424.

4

5. LEASE DESIGNATION AND SERIAL NO.

SL 045053

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

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

330' FNL, 660' FWL NW NW

14. PERMIT NO.

- 49-009-15628 FR-DK

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

KB 6397.83'

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.)

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FINAL REPORT.

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

SIGNED R. G. MYERS

TITLE

Manager, Drilling and
Petroleum Engineering

DATE

Oct. 12, 1976

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

PRESENT STATUS OF WELL

8-15-55/993

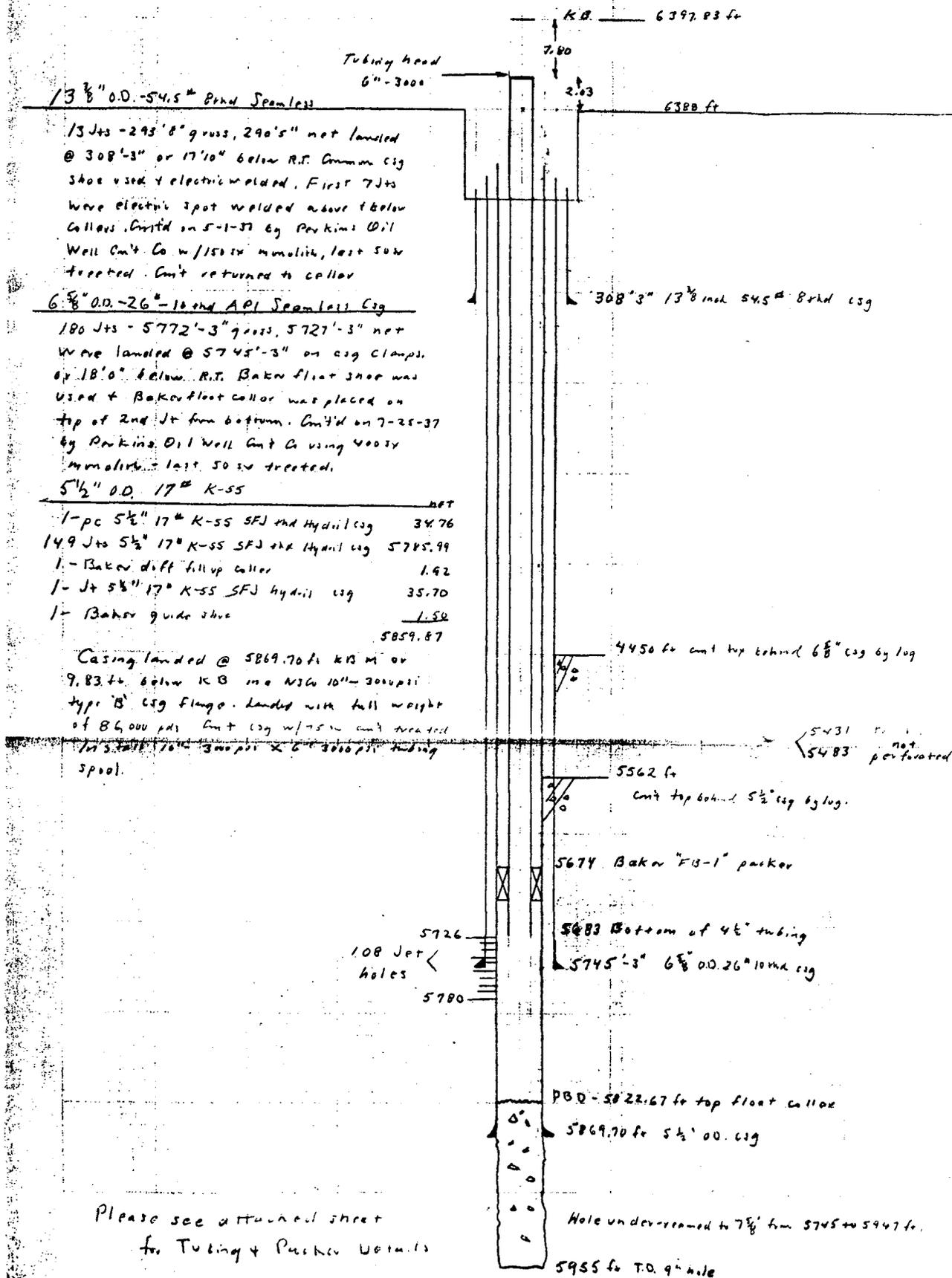
Revised 10-13-76/993

Schematic
not to scale

CLAY BASIN FIELD

FORMERLY
E.S. Leuzer No.1

UNIT No 4



13 3/8" O.D. - 54.5" BxH Seamless
13 Jts - 293' 8" gross, 290' 5" net landed @ 308'-3" or 17' 10" below R.T. Common csg shoe used & electric welded. First 7 Jts were electric spot welded above & below Callor. Cont'd on 5-1-37 by Perkins Oil Well Cmt Co w/1500v mudline, last 50v treated. Cmt returned to callor

6 5/8" O.D. - 26" - 10th API Seamless Csg
180 Jts - 5772'-3" gross, 5721'-3" net were landed @ 5745'-3" on csg clamps. ex. 18' 0" below R.T. Baker float shoe was used & Baker float callor was placed on top of 2nd Jt from bottom. Cont'd on 7-25-37 by Perkins Oil Well Cmt Co using 4000v mudline - last 50v treated.

5 1/2" O.D. 17" K-55
NET
1-pc 5 1/2" 17" K-55 SFJ and Hydril csg 34.76
149 Jts 5 1/2" 17" K-55 SFJ and Hydril csg 5745.99
1 - Baker diff fillup callor 1.92
1 - Jt 5 1/2" 17" K-55 SFJ Hydril csg 35.70
1 - Baker guide shoe 1.52
5859.87

Casing landed @ 5869.70 ft KB m or 9.83 ft below KB in a NSG 10" - 3000 psi type 'B' csg flange. Landed with full weight of 86,000 lbs. Cmt csg w/75v cmt treated in 5' 11" 17" 3000 psi x 6" 3000 psi tubing spool.

Please see attached sheet for Tubing & Packer Details

KB 6397.83 ft
7.80
2.03
6388 ft
308' 3" 13 3/8 inch 54.5" BxH csg
4450 ft cmt top behind 6 5/8" csg by log
5562 ft cmt top behind 5 1/2" csg by log.
5674 Baker "FB-1" packer
5683 Bottom of 4 1/2" tubing
5745'-3" 6 5/8" O.D. 26" 10th API csg
5726
108 Jet holes
5780
PBD - 5822.67 ft top float callor
5869.70 ft 5 1/2" O.D. csg
5431 ft net perforated
5483 ft net perforated
Hole under-reamed to 7 3/8" from 5745 to 5947 ft.
5955 ft T.O. 9" hole

Production Tubing
 Unit Well No. 4
 Clay Basin Field
 As of recompletion as a
 Gas Storage Well 10-9-76

Ran a Baker Model FB packer as follows:

	<u>Net</u>	<u>Gross</u>
1 Baker FB-1 packer	2.46	2.46
1 millout extension	6.37	6.71
1 seal bore protector	9.96	10.13
1 2-7/8-inch O.D., 6.5-pound, N-80, EUE pup joint	4.11	4.28
1 Baker F nipple (2.31)	0.96	1.13
1 2-7/8-inch EUE pup joint	4.13	4.30
1 Baker R nipple (2.25)	<u>0.78</u>	<u>0.95</u>
 Total	 28.77	 29.96

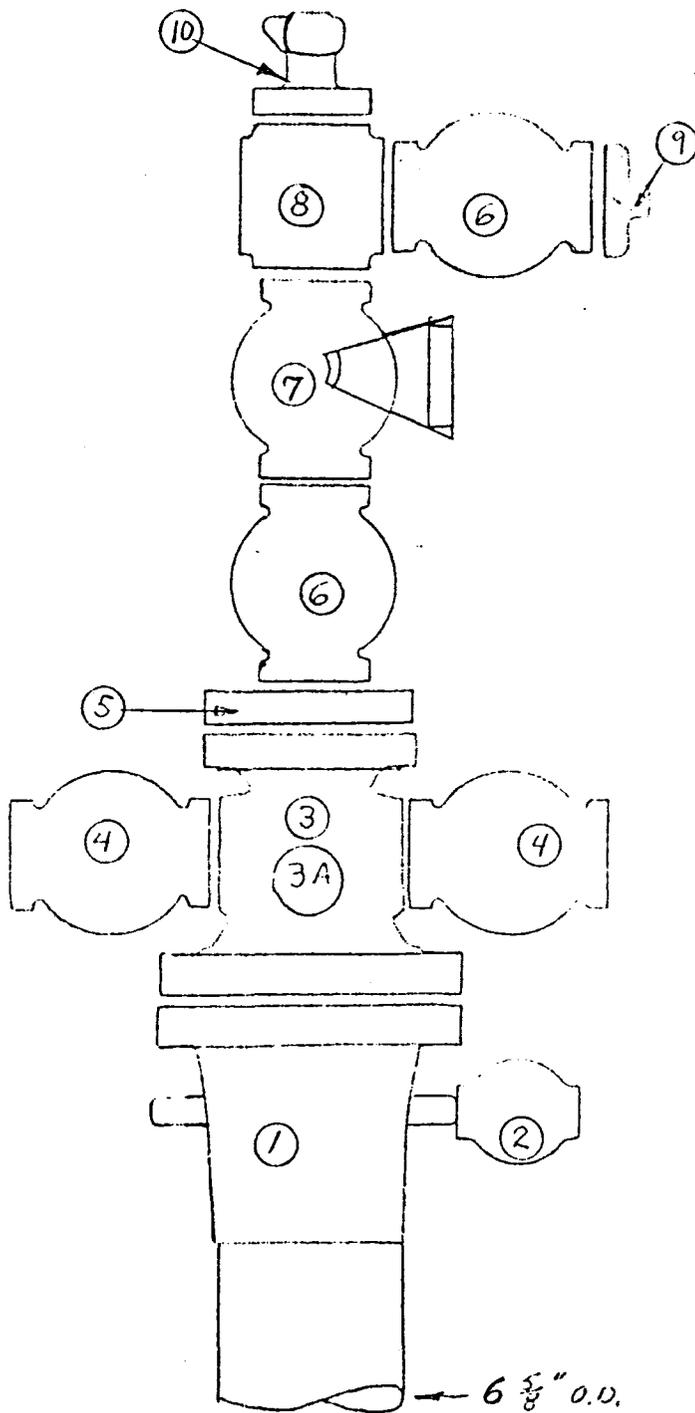
1 NSCo. DP-70 tubing hanger tapped 4-1/2-inch ST&C	0.69	0.69
1 4-1/2-inch O.D., 12.24-pound change nipple, SFJ by ST&C	0.63	1.09
151 jts. 4-1/2-inch O.D., 12.24-pound, K-55, Hydril SFJ tubing	5658.12	5692.85
1 4-1/2-inch SFJ by 3-1/2-inch EUE change nipple, box to pin	0.80	1.27
1 3-1/2-inch Baker Model L sliding sleeve, 2.81	2.90	3.14
1 3-1/2-inch O.D., 9.2-pound, N-80, EUE pup joint	4.30	4.57
1 Baker seal assembly with 7 seals, 2.375 I.D.	<u>7.79</u>	<u>7.79</u>
 Total	 5675.23	 5711.40

Landed above tubing at 5683.03 feet KBM or 7.80 feet below KB in 10,000 pounds compression in a NSCo. tubing spool. Installed upper wellhead.

Present Status of Wellhead

Clay Basin Unit No. 4

after recompletion as a
gas storage well 10-9-76



- (1) 10" X 3000 psi casing flange, Type B slip-weld for 6-5/8"
- (2) 1 - 2" Demco ball valve with 2" X 6" HD nipple and 2" XH bull plug
- (3) 1 - NSCo. DP-70 tubing spool, 6" X 3000 psi by 10" X 3000 psi
- (4) 2 - 2" X 3000 psi WKM gate valve flanged
- (5) 1 - 6" - 3000 psi X 4" - 3000 psi double studed adapter
- (6) 2 - 4" X 3000 psi WKM gate valve flanged
- (7) 1 - 4" X 3000 psi WKM gate valve flanged, equipped with safety actuator
- (8) 1 - studed block tee 4" X 4" X 4" - 3000 psi
- (9) 1 - weld flange 4" - 3000 psi by schedule 80 weld
- (10) 1 - tree top adapter 4" - 3000 psi flanged bottom, with 4-1/2" 8 round EUE lift threads
- (3A) 1 - NSCo. tubing hanger, Type DP 4 H-1 tapped 4-1/2" 8 round ST&C

Clay Basin U#4

Sec 27, 3N, 24E

July 14 June 88



access

dehydrator

line heater

emergency pit

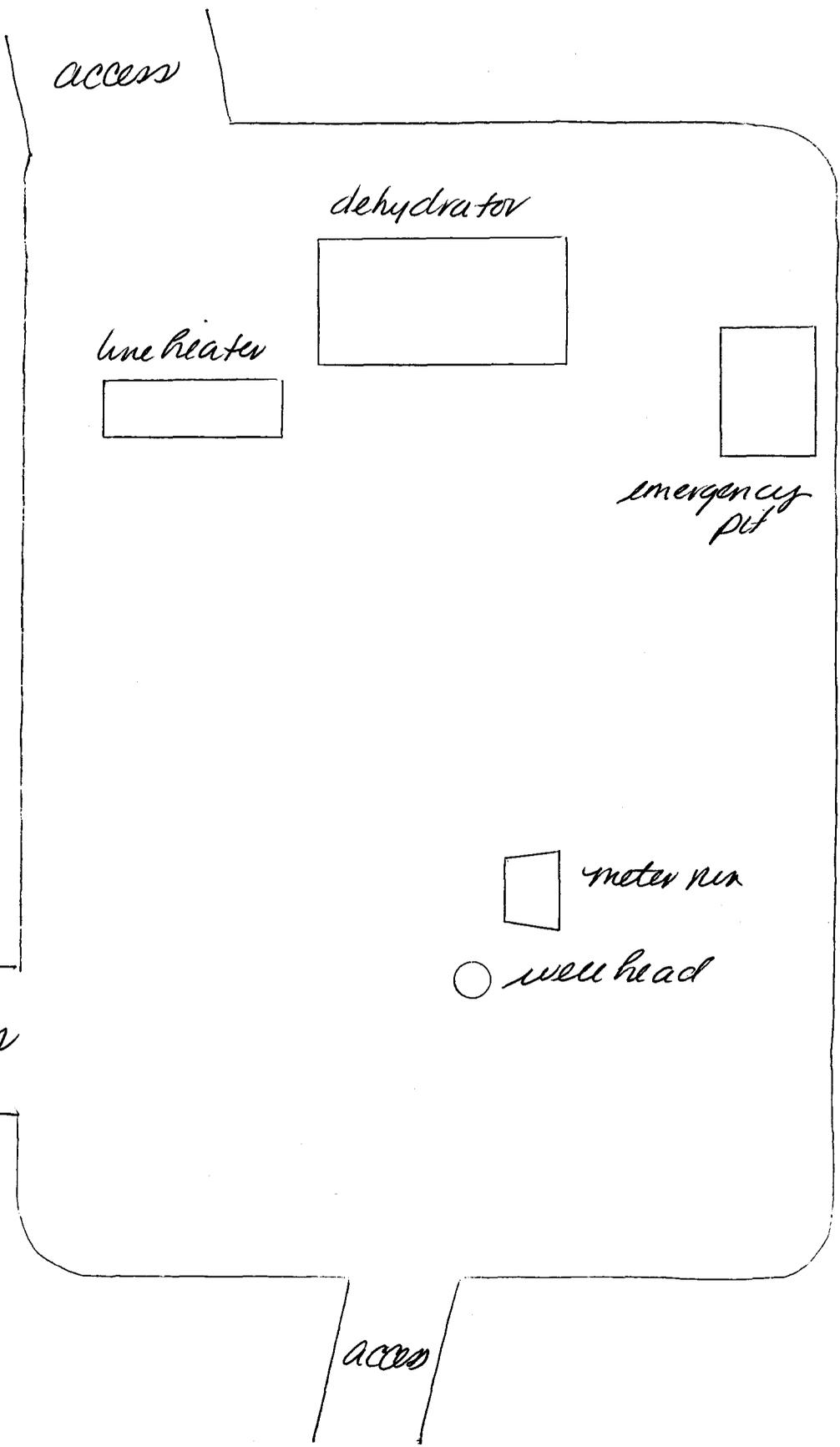
meter run

well head

access

access

42-381 50 SHEETS 5 SQUARE
42-382 100 SHEETS 5 SQUARE
42-383 200 SHEETS 5 SQUARE
MADE IN U.S.A.
NATIONAL





QUESTAR PIPELINE COMPANY

79 SOUTH STATE STREET • P. O. BOX 11450 • SALT LAKE CITY, UTAH 84147 • PHONE (801) 530-2400
June 23, 1988

CERTIFIED MAIL
RETURNED RECEIPT REQUESTED
#P 879 571 459

Bureau of Land Management
Utah State Office
CFS Financial Center
324 S. State Street
Salt Lake City, UT 84111-2303

Re: Name Change
Mountain Fuel Resources, Inc.
to Questar Pipeline Company

RECEIVED
BUREAU OF LAND MANAGEMENT
SALT LAKE CITY, UTAH
JUN 28 AM 9 00

Gentlemen:

Enclosed for your files and information is a certified copy of the Articles of Amendment to the Articles of Incorporation of Mountain Fuel Resources, Inc. dated March 7, 1988, indicating that Mountain Fuel Resources, Inc. changed its name to Questar Pipeline Company.

Questar Pipeline Company holds interests in the following Federal Oil and Gas Leases in Utah:

Novels on gas hold. w/in CA

CA well - RT? OR's Mt. Fuel Resources - *U-9712-A - Questar Energy Co. 100%*
 U-11246 *Agmt pending to "Questar Energy Co."*
 SLC-045051(A) > OR'S
 SLC-045051(B) > OR'S
 SLC-045053(A) > OR'S
 SLC-045053(B) > OR'S
 SLC-062508 - OR'S
 SLC-070555 - OR'S
 SLC-070555(A) - OR'S
 ? Agreement No. 14-08-0001-16009
 (Clay Basin Gas Storage Agreement)

Please note and adjust your records in accordance with the above and furnish verification of your receipt of this notice to the undersigned.

Sincerely,

J. B. Neese
Senior Landman

JBN/sdg

Enclosure

List of Leases

Overriding Royalties

U-09712-A
U-011246

Operating Rights

SL-045051-A & B
SL-045053-A & B
SL-062508
SL-0700555
SL-070555-A
SL-045049-A & B

Clay Basin Gas Storage Agreement
Agreement No. 14-08-0001-16009

3100
U-09712-A
et al
(U-942)
C. Seare
3/9/89

DECISION

Questar Pipeline Company : Oil and Gas Leases
P.O. Box 11450 : U-09712-A et al
Salt Lake City, Utah 84147 :

Corporate Name Change Recognized

Acceptable evidence has been received establishing that Mountain Fuel Resources, Inc. has changed their name to Questar Pipeline Company. Accordingly, the surviving company, Questar Pipeline Company, is recognized as holding all interests in Federal oil and gas leases which were held by Mountain Fuel Resources, Inc. We are changing our records with respect to the attached listing of oil and gas leases. If there are any other leases that will be affected, please contact this office.

/s/ M. Willis

ACTING Chief, Minerals
Adjudication Section

Enclosure
List of Leases

cc: All District Offices, Utah
MMS, AFS
MMS, BRASS
920, Teresa Thompson
Clay Basin Unit File

CSeare:s1 3/9/89:1642f

RECEIVED

JAN 28 2004

DIV. OF OIL, GAS & MINING

6. (R649-9-2) Waste Management Plan has been received on:

IN PLACE

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: 3/9/1989

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: n/a

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

1. Changes entered in the Oil and Gas Database on: 1/29/2004

2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 1/29/2004

3. Bond information entered in RBDMS on: 1/29/2004

4. Fee wells attached to bond in RBDMS on: 1/29/2004

5. Injection Projects to new operator in RBDMS on: n/a

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number: 965003032

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: 965002976

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: n/a

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The NEW operator of any fee well(s) listed covered by Bond Number 965003033

2. The FORMER operator has requested a release of liability from their bond on: N/A
The Division sent response by letter on: N/A

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The FORMER operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 1/29/2004

COMMENTS:

NEW ENTITY NUMBERS ASSIGNED FEBRUARY 2004

ACCT	OPERATOR NAME	API NUM.	Sec	Twنشp	Rng	WELL NAME	ENTITY	EFF DATE	REASON
N7560	Questar Pipeline Co	4300930050	22	030N	240E	Clay Basin Unit 54-S	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300915630	23	030N	240E	Clay Basin U 6 (RD Murphy)	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300915634	23	030N	240E	Clay Basin U 10 (1 CL Sparks)	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300930020	23	030N	240E	Clay Basin Unit 29-S	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300930022	23	030N	240E	Clay Basin Unit 31-S	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300930040	23	030N	240E	Clay Basin Unit 44-S	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300930041	23	030N	240E	Clay Basin Unit 45-S	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300930053	24	030N	240E	Clay Basin Unit 57-S	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300930032	26	030N	240E	Clay Basin Unit 41-S	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300930033	26	030N	240E	Clay Basin Unit 42-S	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300930039	26	030N	240E	Clay Basin Unit 43-S	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300930042	26	030N	240E	Clay Basin Unit 46-S	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300930051	26	030N	240E	Clay Basin Unit 55-S	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300930052	26	030N	240E	Clay Basin Unit 56-S	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300915628	27	030N	240E	Clay Basin U 4 (ES Lauzer 1)	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300930025	27	030N	240E	Clay Basin Unit 34-S	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300930028	27	030N	240E	Clay Basin Unit 37-S	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300930029	27	030N	240E	Clay Basin Unit 38-S	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300930043	27	030N	240E	Clay Basin Unit 47-S	1025 to 14040	2/10/2004	Clay Basin Gas Storage

Note to file: These entity numbers
were changed to compliment the
operator correction from 3/7/98

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5.LEASE DESIGNATION AND SERIAL NUMBER: SL-045053
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7.UNIT or CA AGREEMENT NAME: CLAY BASIN GAS STORAGE
1. TYPE OF WELL Gas Storage Well	8. WELL NAME and NUMBER: CLAY BASIN U 4 (ES LAUZER 1)
2. NAME OF OPERATOR: QUESTAR PIPELINE COMPANY	9. API NUMBER: 43009156280000
3. ADDRESS OF OPERATOR: P.O.Box 45360 , Salt Lake city , UT, 84145	PHONE NUMBER: 801 324-5061 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0330 FNL 0660 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 27 Township: 03.0N Range: 24.0E Meridian: S	9. FIELD and POOL or WILDCAT: CLAY BASIN COUNTY: DAGGETT STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

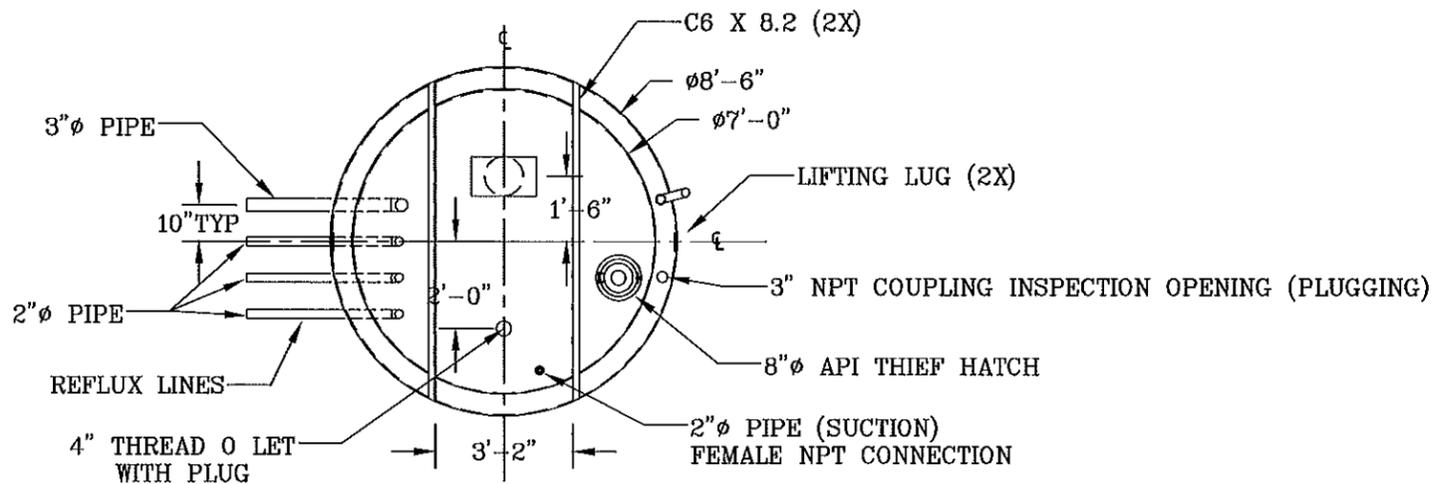
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 5/9/2016 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input checked="" type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width:100px;" type="text" value="Install Dehy Tank"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

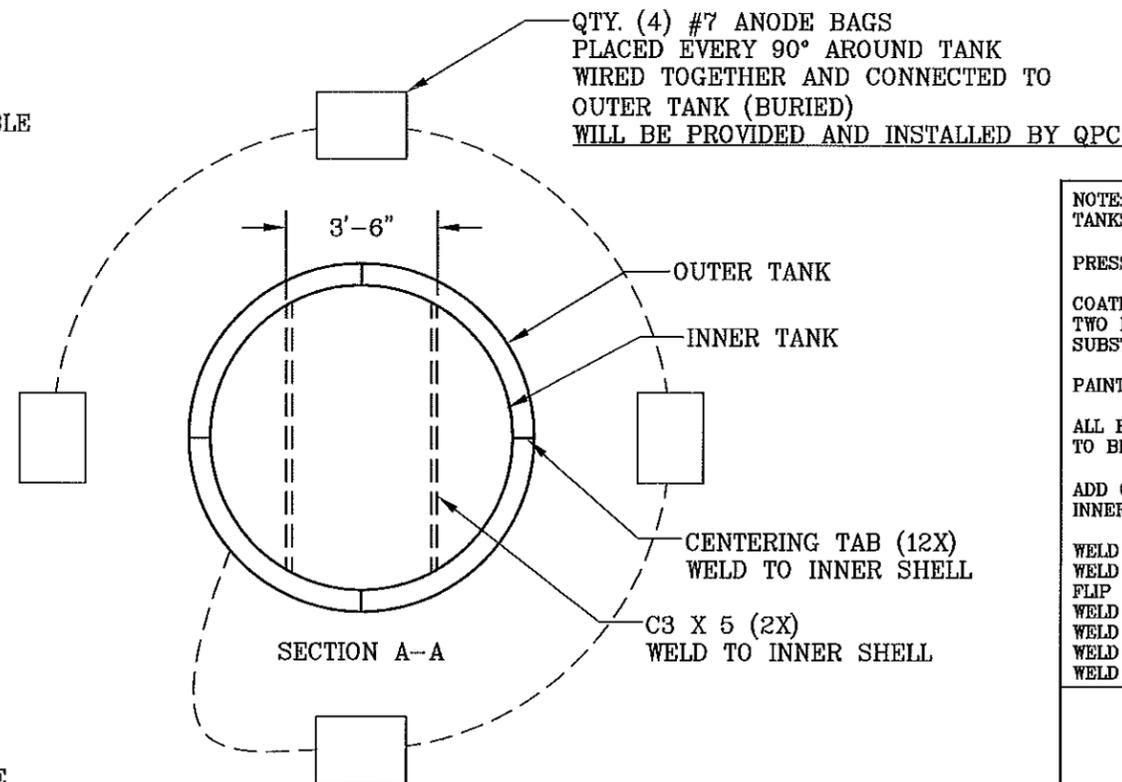
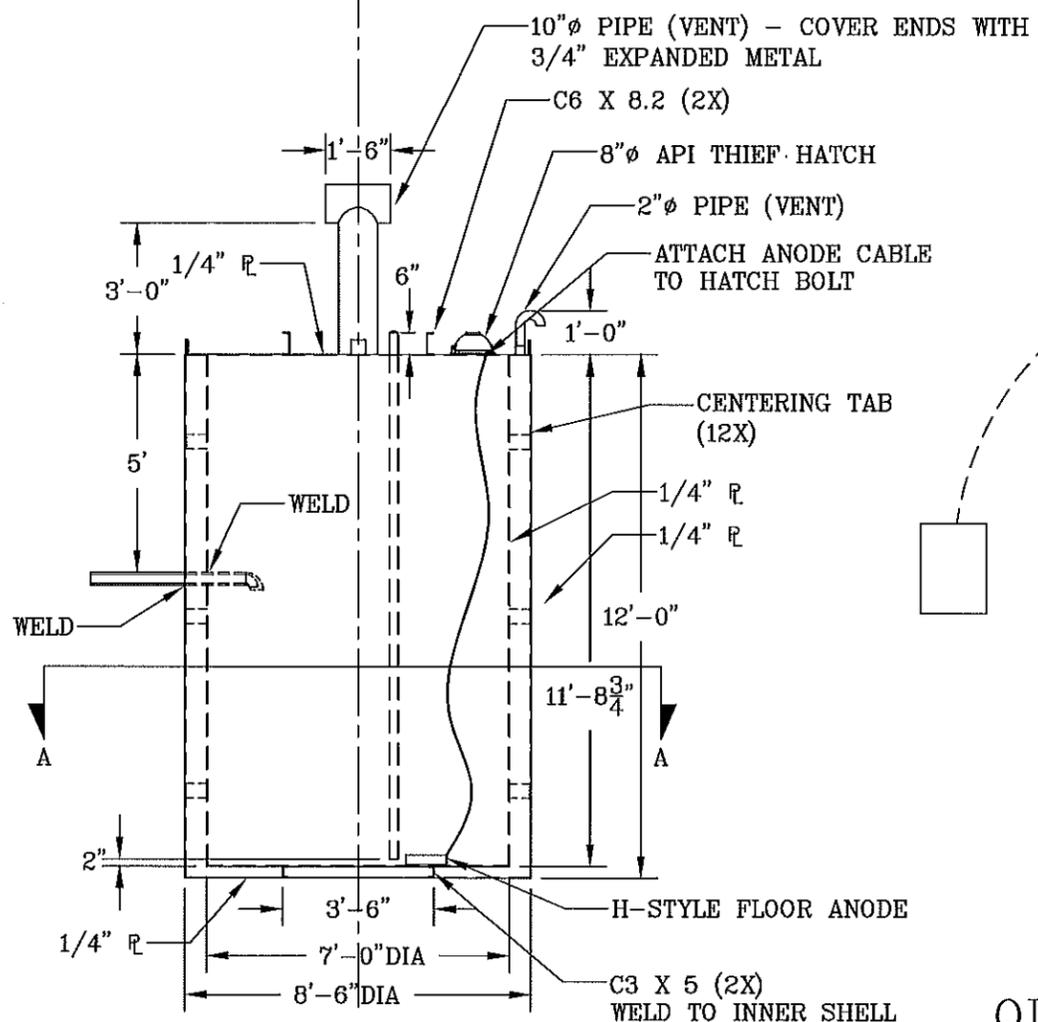
Questar Pipeline Company proposes to install a Dehy Reflux Tank at the same location of the existing Dehy pond on Well #4 in Clay Basin. The tank is to be buried and is a double-wall metal reflux tank and will have a containment capacity of 80 bbl. Tank dimensions and drawings are attached. The work will include installing the buried tank, and installing three 2" diameter liquid dump lines and one 3" diameter reflux line and associated valves and fittings from the Dehy units at the well. Ground disturbance will be confined to previously disturbed areas as shown on attached photos. All work will occur within the existing Questar Pipeline leased area.

**Accepted by the
 Utah Division of
 Oil, Gas and Mining
 FOR RECORD ONLY
 July 19, 2016**

NAME (PLEASE PRINT) Chris B. Balling	PHONE NUMBER 801 324-3619	TITLE Property Agent - ROW
SIGNATURE N/A	DATE 4/28/2016	



BOM		
QTY	DESCRIPTION	PART
2	6' X 26' X 1/4" PLATE	OUTSIDE SHELL
2	6' X 23' X 1/4" PLATE	INSIDE SHELL
2	9' X 9' X 1/4" PLATE	OUTSIDE TOP & BOTTOM
1	8' X 8' X 1/4" PLATE	INSIDE BOTTOM
1	10" SCH 10 PIPE - 5' LONG	VENT 10"
1	2" SCH 40 PIPE - 20' LONG	SUCTION & REFLUX LINES
1	3" SCH 40 PIPE - 3' LONG	REFLUX LINE
2	2" SCH 40 90° WELD ELBOWS	VENT 2"
1	8" API THIEF HATCH	
1	24' X 24' X 3/4' EXPANDED METAL	VENT 10"
2	C6 X 8.2 CHANNEL - 8' LONG	TOP STIFFENER
2	C3 X 5 CHANNEL - 7' LONG	INNER TANK RISER
12	4" X 8 15/16" X 1/4" FLAT BAR	CENTERING TABS



NOTE:
TANKS BUILT TO TO API 12F BUT NOT STAMPED
PRESSURE/LEAK TEST - 2.5 PSIG FOR 1 HOUR
COATINGS - QPC STANDARD PRACTICE, SYSTEM 15
TWO PART EPOXY; URETHANE FOR STEEL
SUBSTRATE
PAINTING - CARLSBAD CANYON
ALL BELOW GRADE PIPE CONNECTIONS
TO BE BEVELED
ADD O-LET (2X) FOR PRESSURE TESTING BOTH
INNER AND OUTER SHELL - PLUG AFTER TEST
WELD ROOF TO INNER SHELL-
WELD ROOF TO OUTER SHELL-
FLIP ASSEMBLY-
WELD REFLUX LINES INSIDE INNER SHELL-
WELD INNER FLOOR TO INNER SHELL-
WELD OUTER FLOOR TO OUTER SHELL-
WELD REFLUX LINES ON OUTSIDE

QUESTAR
BURIED LIQUID TRAP
SHOP DRAWING

GREENS ENERGY SERVICES INC. 3037 YELLOW STONE ROAD ROCK SPRINGS, WY.	
SHOP DWG.	P.O. #
QUESTAR	DRAWN BY: JRM CHECKED BY: RD SCALE: 1/4"=1' DRAWING # XXXXXXXX
	REV. 2