

FILE NOTATIONS

Entered In NID File

Entered On S R Sheet _____

Location Map Pinned _____

Card Indexed

IWR for State or Fee Land _____

Checked by Chief _____

Copy NID to Field Office _____

Approval Letter _____

Disapproval Letter _____

COMPLETION DATA:

Date Well Completed 1/30/77

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..... CR..... GRN..... Micro.....

Lat..... MI-L..... Sonic..... Others.....

DEVELOPMENT PLAN FOR U.S.G.S. APPROVAL OF SURFACE USE
MOUNTAIN FUEL SUPPLY COMPANY DRILLING WELLS

Well Name - Klondike Unit Well No. 3

Field or Area - Klondike, Grand County, Utah

1. Existing Roads -

- A) Proposed well site as staked - Refer to well location plan M-12304 for location of well, access road and directional reference stakes.
- B) Route and distance from nearest town or locatable reference point to where well access route leaves main road - Refer to drawing M-12306. From Klondike Unit Well No. 3 to Moab, Utah, is 28 miles.
- C) Access road to location - Refer to well site drawing M-12304. An existing improved road is located 70 feet from the southeast corner of the location.
- D) If exploratory well, all existing roads within a 3-mile radius of well site - Refer to general area map M-12306.
- E) If development well, all existing roads within a 1-mile radius - Not a development well.
- F) Plans for improvement and/or maintenance of existing roads - No existing roads will need to be improved. The roads will be maintained as needed by Mountain Fuel equipment.

2. Planned Access Road -

- A) Width - 16' wide from shoulder to shoulder.
- B) Maximum grade - The maximum grade on the road is 8 percent.
- C) Turnouts - No turnouts will be constructed.
- D) Drainage design - A drainage ditch on the uphill side of the road will be constructed. It will be a minimum of one foot below the surface of the road. No water diversion ditches are anticipated.
- E) Location and size of culverts and description of major cuts and fills -
 - 1) No culverts are to be installed.
 - 2) No sidehill cuts will be made.
- F) Surfacing material - No surfacing material will be needed either on the road or the location.
- G) Necessary gates, cattle guards or fence cuts - No gates, cattle guards or fence cuts are anticipated.
- H) New or reconstructed roads - The new road is centerline flagged.

3. Location of Existing Wells -

- A) Water wells - No water wells exist within a three mile radius.
- B) Abandoned wells - Refer to area map M-12306. All wells shown are abandoned wells.
- C) Temporarily abandoned wells - None within a three mile radius.

- D) Disposal wells - None within a three mile radius.
 - E) Drilling wells - None within a three mile radius.
 - F) Producing wells - None within a three mile radius.

 - G) Shut-in wells - None within a three mile radius.
 - H) Injection wells - None within a three mile radius.
 - I) Monitoring or observation wells for other resources - None within a three mile radius.
4. Location of Existing And/Or Proposed Facilities -
- A) 1) Tank batteries - None within a three mile radius.

 - 2) Production facilities - None within a three mile radius.

 - 3) Oil gathering lines - None withing a three mile radius.

 - 4) Gas gathering lines - None within a three mile radius.

 - 5) Injection lines - None within a three mile radius.
 - 6) Disposal lines - None within a three mile radius.
- B) 1) Proposed location and attendant lines by flagging if off the well pad -
Refer to proposed production facilities drawing M-12205. If the well is productive, a pipeline will be constructed to a junction with Northwest Pipeline Company's line approximately 14 miles to the east.

 - 2) Dimensions of facilities - Refer to drawing No. M-12205.

 - 3) Construction methods and materials - No construction materials are anticipated. The dirt work will be done with a backhoe, i.e., ditches, dehy base, tank base, etc.
 - 4) Protective measures and devices to protect livestock and wildlife -
The sump pit as shown on drawing M-12205 will be fenced.
- C) Plans for rehabilitation of disturbed area no longer needed for operations after construction is completed - After construction is complete, areas of non-use will be restored and seeded.
5. Location and Type of Water Supply -
- A) Location of water - Water for drilling will be taken from Brink Spring in the southeast 1/4 of Section 10, T.23S., R.19E.

 - B) Method of transporting water - Water will be hauled by tank truck along the access roads to the well site.

- C) Water well to be drilled on lease - No water wells will be leased.
- 6. Source of Construction Material - No construction material will be used.
 - A) Information -
 - B) Identify if from Federal or Indian land -
 - C) Where materials are to be obtained and used -
 - D) Access roads crossing Federal or Indian lands -
- 7. Method for Handling Waste Disposal -
 - A-D) Cuttings, drilling fluids, produced fluids, and sewage will be placed in the mud pit.
 - E) Garbage and other waste material will be placed in the burn pit.
 - F) After drilling operations have been completed, the location will be cleared of all litter and the trash will be burned in the burn pit. The burn pit will be covered over. The mud pit liquids will be pumped out and dumped on the existing roads. The mud pit will be covered over.
- 8. Ancillary Facilities - No camps or airstrips exist within the area and we have no plans to build either.
- 9. Well Site Layout - Refer to drawing M-12304.
- 10. Plans for Restoration of Surface -
 - A) After drilling operations, the well site will be cleared and cleaned and the burn pit filled in. Should the well be a dry hole, the surface will be restored to the extent that it will blend in with the landscape. The reserve pit liquids will be pumped out and dumped on the existing roads.
 - B) Revegetation and rehabilitation of the location and access road will be done to comply with Bureau of Land Management recommendations.
 - C) Prior to rig release, pits will be fenced and so maintained until clean up.
 - D) If oil is in the mud pit, overhead flagging will be installed to keep birds out.
 - E) Clean up will begin within two months after drilling operations have been completed and the land will be restored at this time.
- 11. Other Information -
 - A) Vegetation is scattered junipers, buck brush and bunch grass. The thin soil mantle is sand. Rock outcrop over 30%[±] of location is sandstone. The terrain slopes to the north. A county road near the location is in fair condition with shale surface.
 - B) The surface belongs to the U. S. Government.
 - C) Water can be located at Brink Spring (described above). To my knowledge, no archeological, historical or cultural sites are in the area.
- 12. Lessee's or Operator's Representative -
D. E. Dallas, Drilling Superintendent, P. O. Box 1129, Rock Springs, Wyoming 82901, telephone 307-362-5611.

13. Certification -

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Mountain Fuel Supply Company and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

Date November 2, 1976

Name D. E. Dallas
Title Drilling Superintendent

cdk

FILE NOTATIONS

Date: Nov 8 -
Operator: Mt. Fuel Supply
Well No: Blindie Unit #35
Location: Sec. 31 T. 23S R. 19E County: Grand

File Prepared Entered on N.I.D.
Card Indexed Completion Sheet

Checked By:

Administrative Assistant: [Signature]

Remarks: No other wells in Township & Range

Petroleum Engineer/Mined Land Coordinator: [Signature]

Remarks: [Signature]

Director: _____

Remarks: _____

Include Within Approval Letter:

Bond Required Survey Plat Required
Order No. _____ Blowout Prevention Equipment
Rule C-3(c) Topographical exception/company owns or controls acreage within a 660' radius of proposed site
O.K. Rule C-3 O.K. In Blindie Unit
Other:

Letter Written

November 8, 1976

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

Re: Well No. Klondike Unit #3
Sec. 31, T. 23 S, R. 19 E,
Grand County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with Rule C-3, General Rules and Regulations and Rules of Practice and Procedure.

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

PATRICK L. DRISCOLL - Chief Petroleum Engineer
HOME: 582-7247
OFFICE: 533-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling.

The API number assigned to this well is 43-019-30326.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT
Director

/sw
cc: U.S. Geological Survey

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

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

2. NAME OF OPERATOR
 Mountain Fuel Supply Company

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
 At surface 601' FSL, 502' FWL Lot 10
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 12 miles south of Crescent Junction, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)
 502'

16. NO. OF ACRES OF PROPERTY
 2424.08

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 -

19. PROPOSED DEPTH
 3100'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 GR 4900'

22. APPROX. DATE WORK WILL START*
 When approved

5. LEASE DESIGNATION AND SERIAL NO.
 U - 4732

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 -

7. UNIT AGREEMENT NAME
 Klondike Unit

8. FARM OR LEASE NAME
 Unit Well

9. WELL NO.
 3

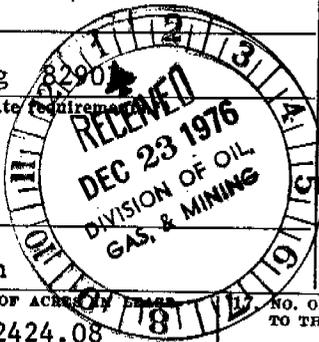
10. FIELD AND POOL, OR WILDCAT
 Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 31-23S-19E

12. COUNTY OR PARISH
 Grand

13. STATE
 Utah

NO. OF ACRES ASSIGNED TO THIS WELL
 -



PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13-3/4"	9-5/8" New	36# K-55	300'	175 sx reg G w/2% CaCl
7-7/8"	5-1/2" New	17# K-55	To be determined,	reg cmt., no additives

Approval Notice Div. of Oil, Gas & Mining Utah

We would like to drill the subject well to an estimated depth of 3100', anticipated formation tops are as follows: Morrison at the surface, Summerville at 480', Entrada at 540', Carmel at 850', Navajo at 1000', Chinle at 1950', Kaibab at 2400', White Rim at 2430', and Cutler at 2620'.

Mud will be adequate to contain formation fluids and in sufficient quantities to efficiently drill the well; blowout preventers will be checked daily and pressure tested after each string of casing is set. Expect oil/gas at 2400-2430' (Kaibab) and 2430-2620' (White Rim). No cores, make 2 DST's, plan to run DIL, BHC Sonic, Comp Formation Density & Dip Meter.. No abnormal pressures, temperatures, or H2S expected. Drilling time about 12 days.

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

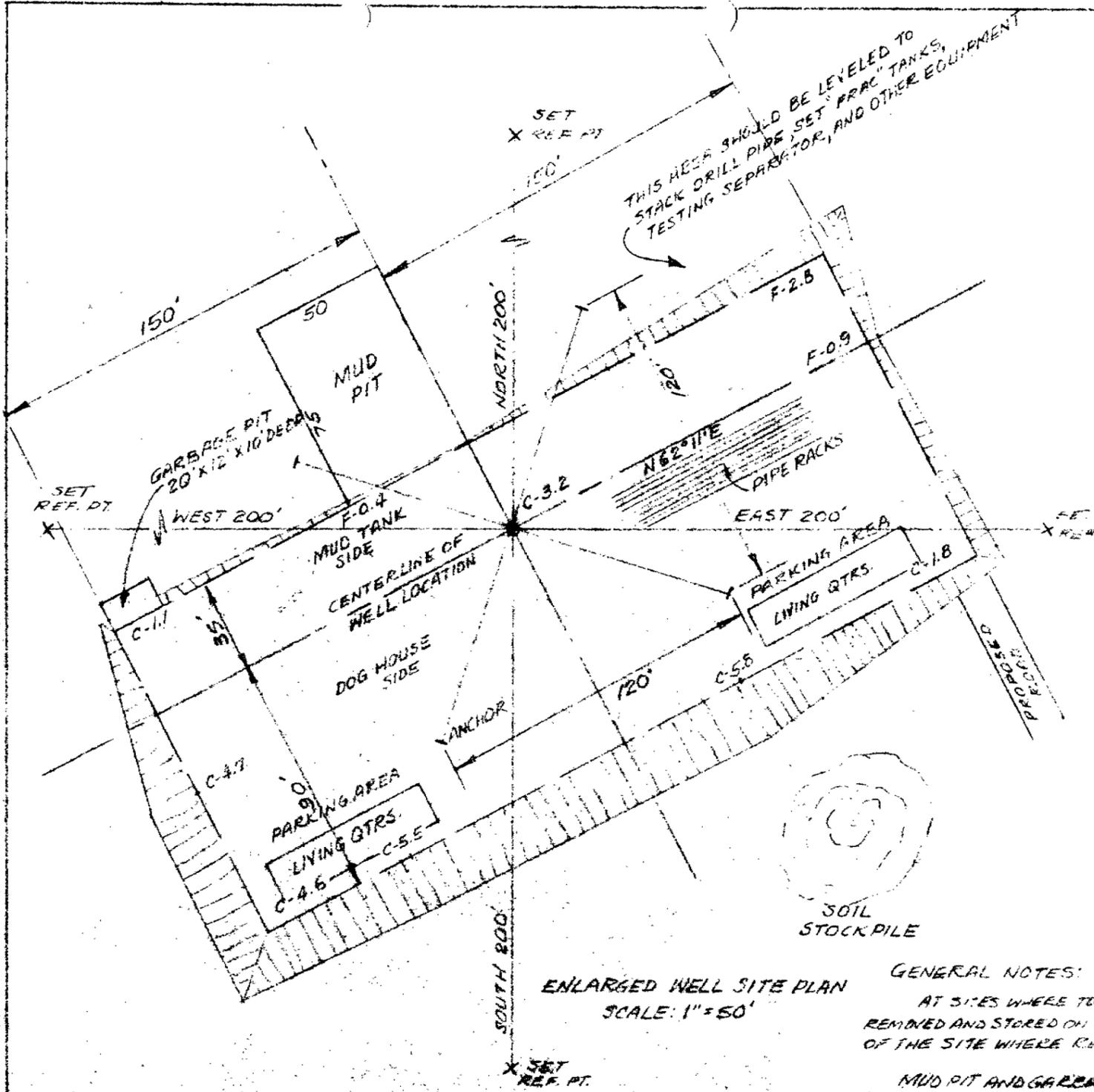
24. SIGNED R. G. [Signature] TITLE Manager, Drilling and Petroleum Engineering DATE Nov. 5, 1976

(This space for Federal or State office use)

PERMIT NO. 43-019-30326 APPROVAL DATE _____

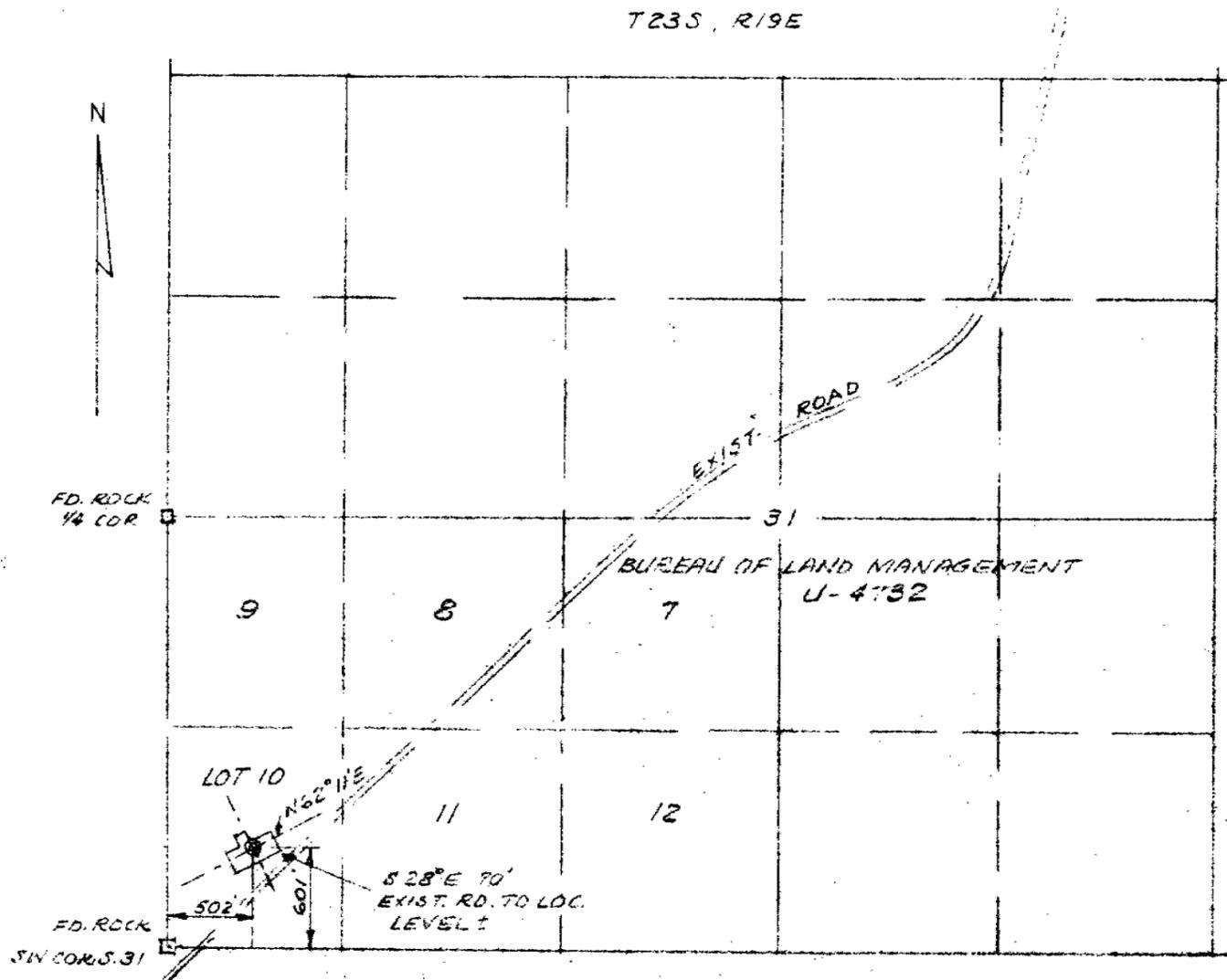
APPROVED BY (ORIG. SGD.) E. W. GUYNN TITLE DISTRICT ENGINEER DATE DEC 22 1976

CONDITIONS OF APPROVAL, IF ANY:



ENLARGED WELL SITE PLAN
SCALE: 1"=50'

GENERAL NOTES:
 AT SITES WHERE TANGLED IS PRESENT, SAME IS TO BE REMOVED AND STORED ON ADJACENT LAND FOR RESTORATION OF THE SITE WHERE REQUIRED.
 MUD PIT AND GARBAGE PIT ARE TO BE FENCED, UNLINED FOR WELL LOCATION PROFILE SEE DWG. _____



T23S, R19E

LOCATION PLAN
SCALE 1"=1000'

THIS IS TO CERTIFY THAT THE ABOVE PLAN WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEY MADE BY ME AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE

John E. Keogh
 UTAH REG'D. L.S. NO 1963

LEGEND	ENGINEERING RECORD		REVISIONS			MOUNTAIN FUEL SUPPLY CO ROCK SPRINGS, WYO. CERTIFIED WELL LOCATION AND WELL SITE PLAN KLONDIKE UNIT WELL NO 3
	NO.	DESCRIPTION	DATE	BY		
□ ROCK CORNER	SURVEYED BY	J.E. KEOGH 10-21-76				DRAWN 10-25-76 J.E.K. SCALE AS NOTED
● WELL	REFERENCES	S.L.O. PLAT 3 U.S.G.S. GRAND CRESCENT, UT. UTAH 3				
	FIELD	KLONDIKE UNIT				CHECKED
	LOCATION:	LOT 10, SEC. 31, T23S, R19E 502 FNL, 601 FSL GRAND COUNTY, UTAH				DRWG. NO. M-12304 1/6
	WELL ELEVATION:	4900 (ORIGINAL GROUND) BY VERTICAL ANGLE ELEVATIONS FROM U.S.C.G.S. V.A.M. TEN MILE (5085)				

INTEROFFICE COMMUNICATION

FROM T. M. Colson

Rock Springs, Wyoming

CITY

STATE

TO R. G. Myers

DATE November 9, 1976

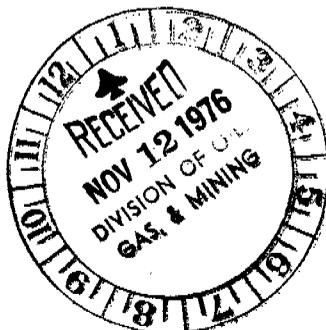
SUBJECT Tentative Plan to Drill
Klondike Unit Well No. 3
Grand County, Utah

Attached for your information and files is a tentative plan to drill the above-captioned well. This plan was written in accordance with the Geologic Prognosis dated October 20, 1976.

TMC/gm

Attachment

cc: R. D. Cash
E. R. Keller (3)
G. A. Peppinger (3)
A. J. Marushack
A. K. Zuehlsdorff
D. E. Dallas
A. J. Maser (3)
J. E. Adney
B. M. Steigleder
E. A. Farmer
U.S.G.S.
State
Paul Zubatch
P. E. Files (4)



From: Pat Brotherton

Rock Springs, Wyoming

To: T. M. Colson

November 9, 1976

Tentative Plan to Drill
Klondike Unit Well No. 3
Grand County, Utah

This well will be drilled to total depth by _____ Drilling Company. One work order has been originated for the drilling and completion of the well, namely _____, Drill Klondike Unit Well No. 3. This well is located in Sec. 31, T. 23 S., R. 19 E., Grand County, Utah. The well will be drilled to a total depth of 3100 feet. Surface elevation is at 4897 feet.

1. Drill a 13-3/4-inch hole to approximately 325 feet KBM.
2. Run and cement approximately 300 feet 9-5/8-inch O.D., 36-pound, K-55, 8 round thread, LT&C casing. The casing will be cemented with 275 sacks of regular Type G cement which represents theoretical requirements plus 100 percent excess cement for 9-5/8-inch O.D. casing in 13-3/4-inch hole with cement returned to the surface. Cement will be treated with 3 percent calcium chloride. Plan on leaving a 10 foot cement plug in the bottom of the casing after displacement is completed. Floating equipment will consist of a Baker guide shoe. The top and bottom of ten casing collars and the guide shoe will be spot welded in the field. The bottom of the surface casing should be landed in such a manner that the top of the 10-inch 3000 psi casing flange will be at ground level. A cellar three feet deep will be required. Prior to cementing, circulate 60 barrels of mud. Capacity of the 9-5/8-inch O.D. casing is 23 barrels.
3. After a WOC time of 6 hours, remove landing joint. Install a NSCo. Type "B" 10-inch 3000 psi regular duty casing flange tapped for 9-5/8-inch O.D., 8 round thread casing. Install a 2-inch extra heavy nipple, 6-inches long, and a WKM Figure B138 (2000 psi WOG, 4000 psi test) valve on one side of the casing flange

and a 2-inch extra heavy bull plug in the opposite side. Install adequate preventers. After a WOC time of 12 hours, pressure test surface casing and all preventer rams to 1000 psi for 15 minutes using rig pump and mud. The burst pressure rating for the 9-5/8-inch O.D. casing is 3520 psi.

4. Drill a 7-7/8-inch hole to a tentative total depth of 3100 feet or to such other depth as the Geological Department may recommend. A mud desander and desilter will be used from under the surface casing to total depth to remove all undesirable solids from the mud system and to keep the mud weight to a minimum. A one man logging unit will be used from surface to total depth. The contractor will be responsible for catching 10 foot samples from surface pipe to total depth. The mud system will consist of properties adequate to allow the running of drill stem tests. Two drill stem tests are anticipated starting at a depth of approximately 2400 feet. Anticipated tops are as follows:

	<u>Approximate Depth</u> <u>(Feet KBM)</u>
Morrison	Surface
Summerville	480
Entrada	540
Carmel	850
Navajo	1,000
Chinle	1,950
Kaibab	2,400
White Rim	2,430
Cutler	2,620
Total Depth	3,100

Objective Reservoir: White Rim Sandstone 2430 feet to 2620 feet

Names & Depths of
Other Possible

Producing Zones: Kaibab, 2400 feet to 2430 feet

5. After reaching a total depth of approximately 3100 feet, run a dual induction laterolog (with 2-inch linear, 5-inch logarithmic) and a borehole compensated sonic log with gamma ray and caliper from surface casing to total depth. Run a continuous high resolution dip meter from surface casing to total depth. Run a compensated formation density log over zones of interest.
6. Assuming commercial quantities of gas and/or oil are present, go into hole with 8-3/4-inch bit and condition hole prior to running 5-1/2-inch O.D. casing. Pull and lay down drill pipe and drill collars.
7. Run 5-1/2-inch O.D. casing as follows:

(Top of String in Well)

- A. 2960 feet 5-1/2-inch O.D., 17-pound, K-55, 8 round thread, LT&C casing.
- B. One Baker Type G float collar.
- C. One joint 5-1/2-inch O.D., 17-pound, K-55, 8 round thread, LT&C casing.
- D. One Baker guide shoe.

Run the casing to bottom and pick up one foot. The casing will be cemented with 50-50 Pozmix cement. Cement requirements will be the actual volume as calculated from the caliper log plus 30% excess. Circulate 120 barrels mud prior to beginning cementing operations. The capacity of the 5-1/2-inch O.D. casing is 70 barrels. Rotate casing while circulating, mixing, and displacing cement. Displace cement with water.

8. Immediately after cementing operations are completed, land the 5-1/2-inch O.D. casing with full weight on slips and record indicator weight. Cut off the 5-1/2-inch O.D. casing and install a 10-inch 3000 psi by 6-inch 3000 psi NSCo.

DP-7 tubing spool. Pressure test seals to 2000 psi for 5 minutes. The collapse pressure for the 5-1/2-inch O.D., 17-pound, K-55 casing is 4910 psi.

9. Install a 6-inch 5000 psi double gate preventer with blind rams in bottom and 2-7/8-inch rams in top.
10. Pick up a 4-3/4-inch bit and run on 2-7/8-inch O.D., 6.5-pound, J-55, 8 round thread, EUE tubing to plug back depth. Using pump truck and water, pressure test pipe rams and casing to 3000 psi for 15 minutes. The minimum internal yield for 5-1/2-inch O.D., 17-pound, K-55 casing is 5320 psi. Land the tubing on a DP4-H-1 tubing hanger and pressure test blind rams to 3000 psi for 15 minutes. Pull tubing, standing same in derrick.
11. After the above items have been evaluated, a tentative plan to complete the well will be finalized.

GENERAL INFORMATION

I. The following tubular goods have been assigned to the well.

<u>Description</u>	<u>Approximate Gross Measurement (feet)</u>	<u>Availability</u>
	<u>Surface Casing</u>	
9-5/8-inch O.D., 36-pound, K-55, 8 round thread, LT&C casing	360	Warehouse Stock
	<u>Production Casing</u>	
5-1/2-inch O.D., 17-pound, K-55, 8 round thread, LT&C casing	3,300	Warehouse Stock
	<u>Production Tubing</u>	
2-7/8-inch O.D., 6.5-pound, J-55, 8 round thread, EUE tubing	3,300	Warehouse Stock

II. All ram type preventers will have hand wheels installed and operative at the time the preventers are installed.

III. Well responsibility: C. M. Krivanek

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse 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 checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT AGREEMENT NAME Klondike 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. 3	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 601' FSL, 502' FWL Lot 10		10. FIELD AND POOL, OR WILDCAT Wildcat	
14. PERMIT NO. API # 43-019-30326		15. ELEVATIONS (Show whether DF, RT, GR, etc.) GR 4900'	
		12. COUNTY OR PARISH Grand	13. STATE Utah

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"/>	FULL 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>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.)*

Depth 31', drilling.

Spudded January 10, 1977 at 9:00 a.m.

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

SIGNED R. D. Meyer TITLE Manager, Drilling and Petroleum Engineering DATE Jan. 11, 1977

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

SUMMARY OF ENVIRONMENTAL IMPACT EVALUATION

#281

ATTACHMENT 2-A
 Mountain Fuel Supply Co
 Well No #3
 SW/3W Sec 31
 Sec T23S - 19E
 Grand Co. Utah
 MFS C. - S. Fabian
 BLM - D. Nagels
 USGS - B. Finer
 Dirt Cont - C&W

	Construction	Pollution	Drilling Production	Transport Operations	Accidents	Others
Roads, bridges, airports						
Transmission lines, pipelines						
Dams & impoundments						
Others (pump stations, compressor stations, etc.)						
Burning, noise, junk disposal						
Liquid effluent discharge						
Subsurface disposal						
Others (toxic gases, noxious gas, etc.)						
Well drilling						
Fluid removal (Prod. wells, facilities)						
Secondary Recovery						
Noise or obstruction of scenic views						
Mineral processing (ext. facilities)						
Others						
Trucks						
Pipelines						
Others						
Spills and leaks						
Operational failure						

- ENHANCES
- NO IMPACT
- MINOR IMPACT
- MAJOR IMPACT

Land Use	Construction	Pollution	Drilling Production	Transport Operations	Accidents	Others
Forestry						
Grazing						
Wilderness						
Agriculture						
Residential-Commercial						
Mineral Extraction						
Recreation						
Scenic Views						
Parks, Reserves, Monuments						
Historical Sites						
Unique Physical Features						
Flora & Fauna	Construction	Pollution	Drilling Production	Transport Operations	Accidents	Others
Birds						
Land Animals						
Fish						
Endangered Species						
Trees, Grass, Etc.						
Phy. Charact.	Construction	Pollution	Drilling Production	Transport Operations	Accidents	Others
Surface Water						
Underground Water						
Air Quality						
Erosion						
Other						
Effect On Local Economy						
Safety & Health						
Others	Orig: [Signature] cc: Adam ✓ BLM - check w/o [Signature]					

Lease

U-1732

Well No. & Location

3, Klondike Unit SW/SW

Sec. 31, T238 - 19E Grand Co. Utah

ENVIRONMENTAL IMPACT ANALYSIS - ATTACHMENT 2-B

1. Proposed Action

Mountain Fuel Supply Company PROPOSES TO DRILL AN OIL AND GAS TEST WELL WITH ROTARY TOOLS TO ABOUT 3100 FT. TD. 2) TO CONSTRUCT A DRILL PAD 125 FT. X 300 FT. AND A RESERVE PIT 50 FT. X 75 FT. 3) TO CONSTRUCT 12 FT. X MILES ACCESS ROAD AND UPGRADE 18 FT. X 12 MILES ACCESS ROAD FROM AN EXISTING AND IMPROVED ROAD.

2. Location and Natural Setting (existing environmental situation)

THE PROPOSED WELL SITE IS WITH-IN THE KLONDIKE UNIT AND APPROX 12 MILES SOUTH WEST OF CRESENT JUNCTION, UTAH.

THE AREA IS GENERALLY VERY ROCKY WITH APPROX 50% OF THE SURFACE COVERED WITH SAND STONES.

THE WELL SITE HAS A GENTLE SLOPE TO THE NORTH AND IS PARALLEL TO AN EXISTING ROAD.

VEGETATION ~~EXISTING~~ CONSISTS OF SCATTERED JUNIPER & PINON PINION TREES, SAGE BRUSH & ASSORTED NATIVE GRASSES.

THE SURFACE IS PUBLIC DOMAIN & SUPPORTS SOME LIGHT GRAZING DURING WINTER MONTHS.

WILDLIFE IS SPARSE WITH AN OCCASIONAL MULE DEER, COYOTE OR COTTONTAIL RABBIT. THERE ARE ALSO SMALL RODENTS & BIRDS.

THERE WAS NO EVIDENCE OF ANY HISTORICAL OR ARCHEOLOGICAL SITES NEAR THE AREA TO BE DISTURBED.

3. Effects on Environment by Proposed Action (potential impact)

1) EXHAUST EMISSIONS FROM THE DRILLING RIG POWER UNITS AND SUPPORT TRAFFIC ENGINES WOULD ADD MINOR POLLUTION TO THE ATMOSPHERE IN THE LOCAL VICINITY.

2) MINOR INDUCED AND ACCELERATED EROSION POTENTIAL DUE TO SURFACE DISTURBANCE AND SUPPORT TRAFFIC USE.

3) MINOR VISUAL IMPACTS FOR A SHORT TERM DUE TO OPERATIONAL EQUIPMENT AND SURFACE DISTURBANCE.

4) TEMPORARY DISTURBANCE OF WILDLIFE AND LIVESTOCK.

5) MINOR DISTRACTION FROM AESTHETICS FOR SHORT TERM.

6)

4. Alternatives to the Proposed Action

1) NOT APPROVING THE PROPOSED PERMIT -- THE OIL AND GAS LEASE GRANTS THE LESSEE EXCLUSIVE RIGHT TO DRILL FOR, MINE, EXTRACT, REMOVE AND DISPOSE OF ALL OIL AND GAS DEPOSITS.

2) DENY THE PROPOSED PERMIT AND SUGGEST AN ALTERNATE LOCATION TO MINIMIZE ENVIRONMENTAL IMPACTS.

3) No near-by locations could be found that would justify moving the proposed well site.

5. Adverse Environmental Effects Which Cannot Be Avoided

1) MINOR AIR POLLUTION DUE TO EXHAUST EMISSIONS FROM RIG ENGINES AND SUPPORT TRAFFIC ENGINES.

2) MINOR INDUCED AND ACCELERATED EROSION POTENTIAL DUE TO SURFACE DISTURBANCE AND SUPPORT TRAFFIC USE.

3) MINOR AND TEMPORARY DISTURBANCE OF WILDLIFE.

4) TEMPORARY DISTURBANCE OF LIVESTOCK.

5) MINOR AND SHORT-TERM VISUAL IMPACTS.

6)

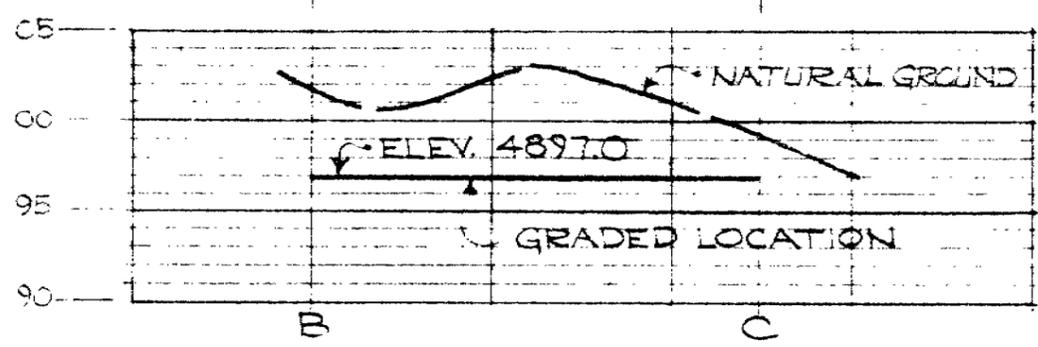
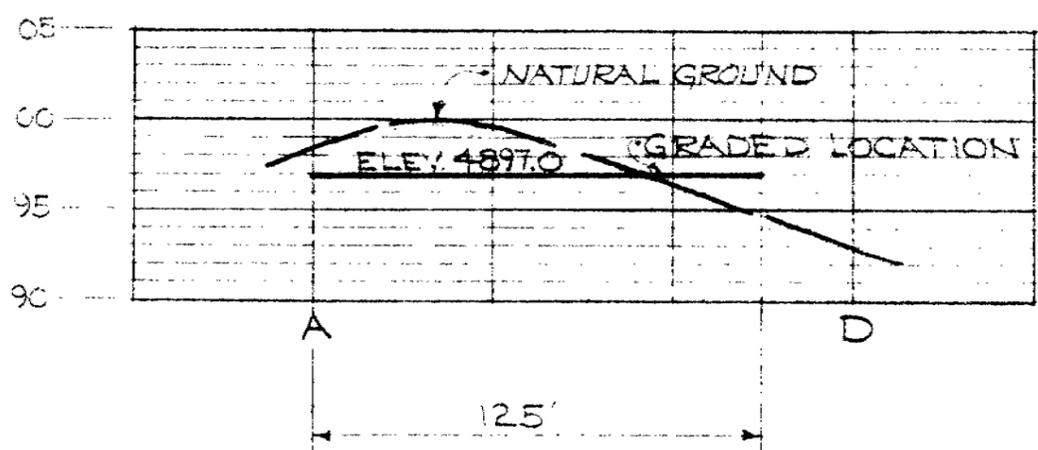
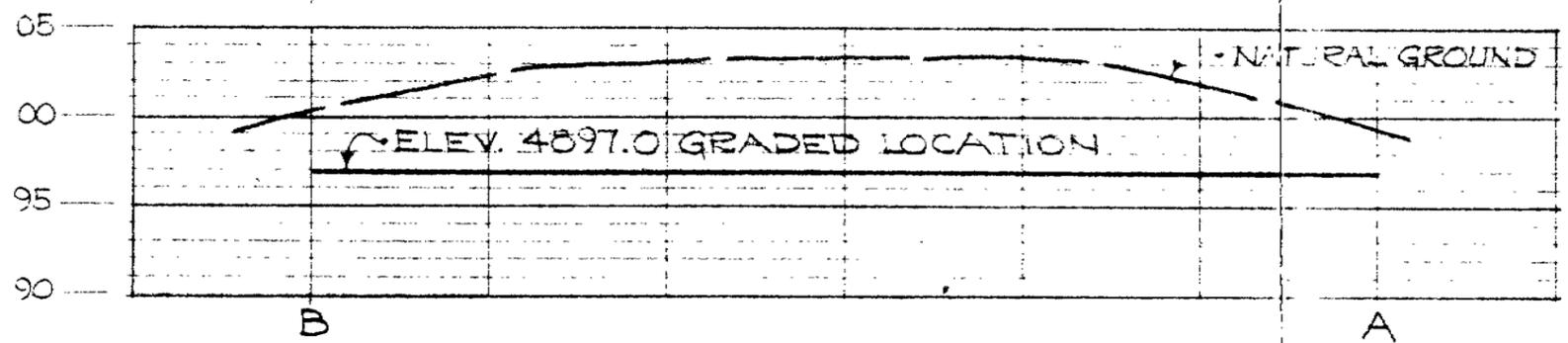
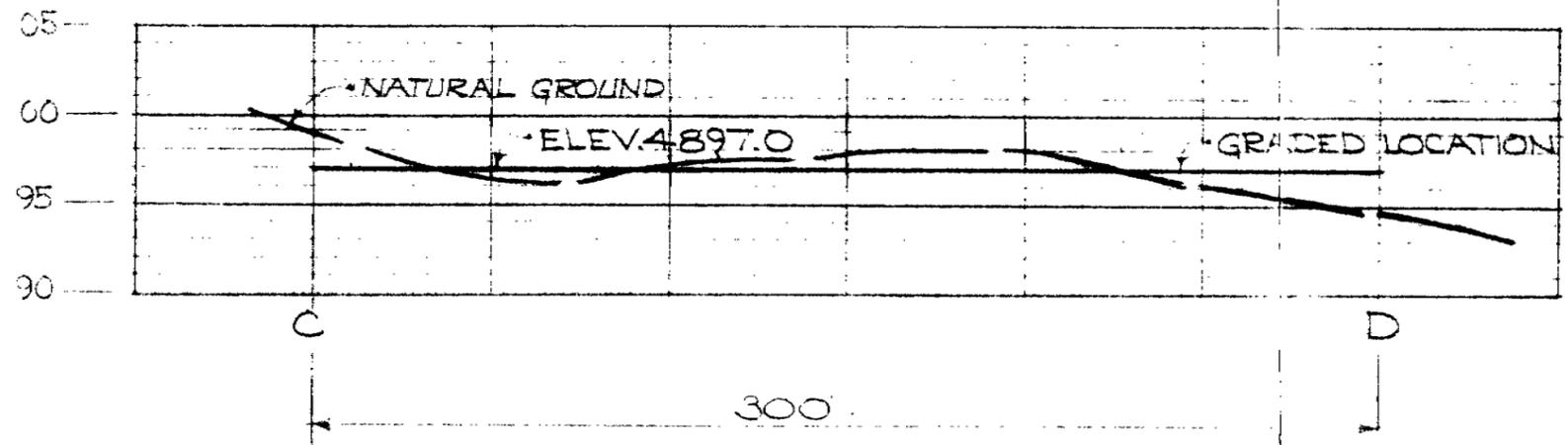
6. Determination

(This requested action ~~does~~ (does not) constitute a major Federal action significantly affecting the environment in the sense of NEPA, Section 102(2) (c).

Date Inspected 11-10-76

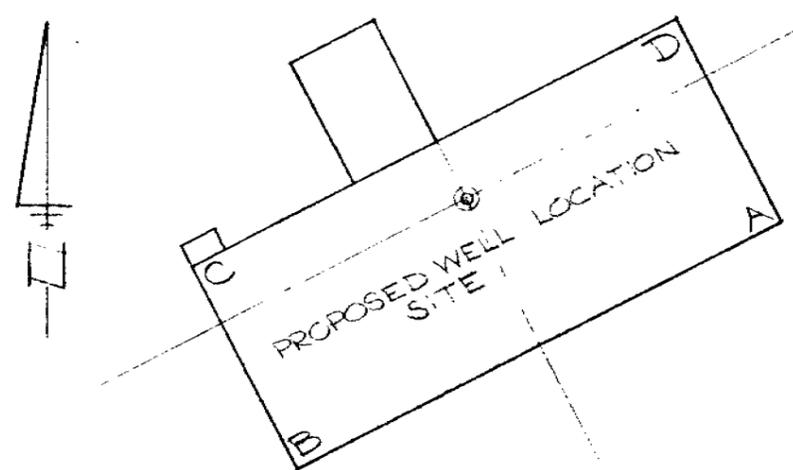
Inspector B. G. [Signature]

[Signature]
U.S. Geological Survey,
Conservation Division
Salt Lake City District
Salt Lake City, Utah



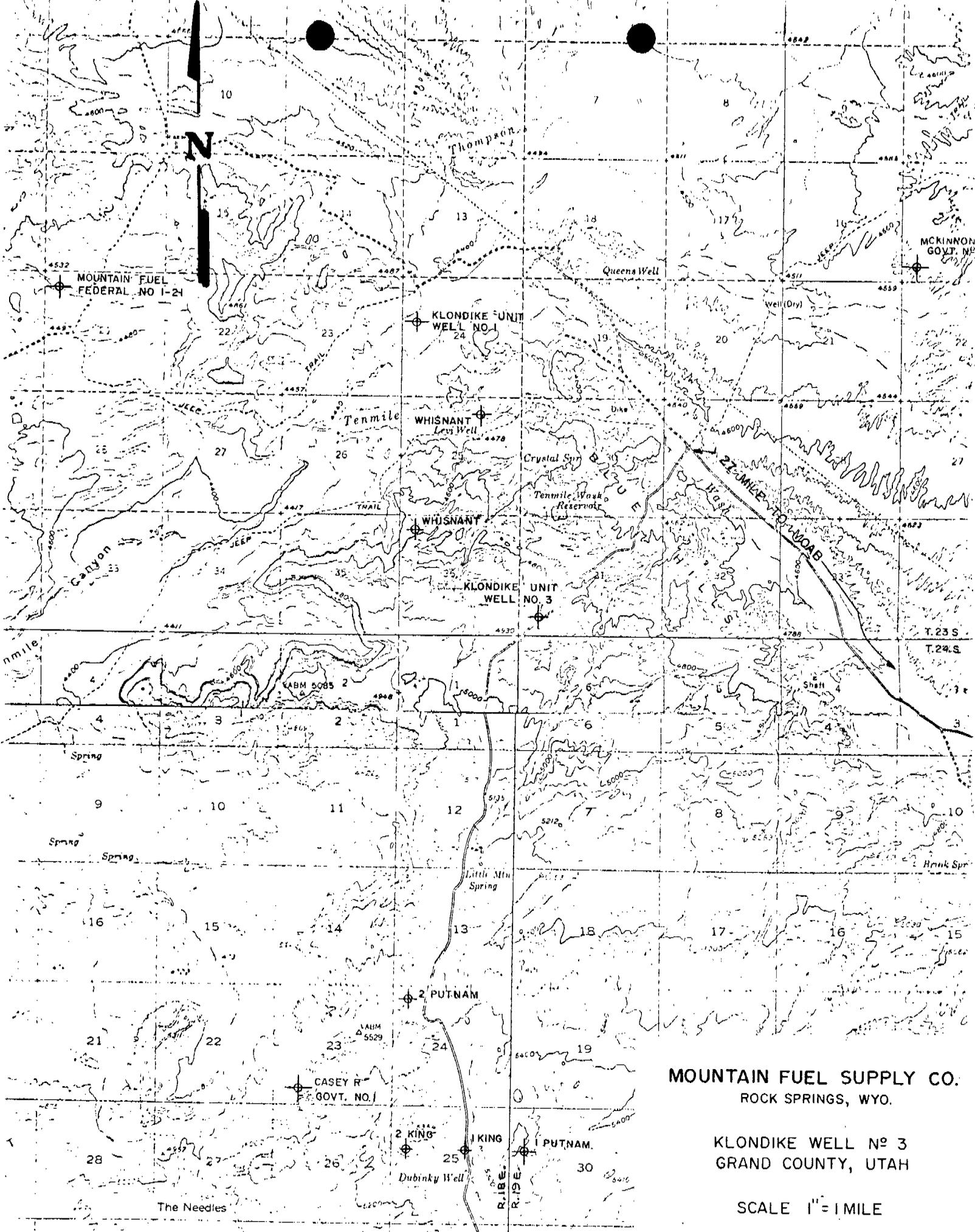
PROFILE SECTIONS - PROPOSED GRADE LOCATION

SCALE: HORIZ. 1" = 50' ; VERT. 1" = 10'



KEY MAP
SCALE: 1" = 100'

REVISIONS				MOUNTAIN FUEL SUPPLY COMPANY ROCK SPRINGS, WYOMING	
NO	DESCRIPTION	DATE	BY	PROFILES FOR KLONDIKE UNIT WELL No.3 WELL LOCATION SITE	
				DRAWN 10/26/76 SCALE: AS NOTED	
				CHECKED: DRWG. No. M-12305 2/2	
				APPROVED: No.	



MOUNTAIN FUEL SUPPLY CO.
 ROCK SPRINGS, WYO.

KLONDIKE WELL NO 3
GRAND COUNTY, UTAH

SCALE 1" = 1 MILE

Oct 29 1976

DRWG. NO. M-1230

U.S. GEOLOGICAL SURVEY, CONSERVATION DIVISION

FROM: DISTRICT GEOLOGIST, SALT LAKE CITY, UTAH

TO: DISTRICT ENGINEER, SALT LAKE CITY, UTAH

Well	Location	Lease No.
MOUNTAIN FUEL SUPPLY COMPANY #3	601' FSL AND 500' FWL LOT 10 SECTION 31, T. 23S., R. 19E, SLM GRAND CO., UTAH GREL. 4900'	U-4732
<p>1. Stratigraphy and Potential Oil and Gas Horizons. The well will spend in the Salt Wash member of the Morrison Formation. The Kaibab and White Run will be tested for oil and gas. Project's depth by the operator are probably reasonable.</p> <p>2. Fresh Water Sands. In formation is scarce in this area but the formations penetrated will probably contain saline / brine water.</p> <p>3. Other Mineral Bearing Formations. (Coal, Oil Shale, Potash, Etc.) Larso are considered valuable prospectively for sodium and potash but this test will not penetrate to the Permian Formation (Permian).</p> <p>4. Possible Lost Circulation Zones. Unknown</p> <p>5. Other Horizons Which May Need Special Mud, Casing, or Cementing Programs. Protect any fresh water aquifers encountered.</p> <p>6. Possible Abnormal Pressure Zones and Temperature Gradients. Unknown</p> <p>7. Competency of Beds at Proposed Casing Setting Points. Probably adequate</p> <p>8. Additional Logs or Samples Needed. None</p> <p>9. References and Remarks Outside of KGS.</p>		
Date: 10/7/76		Signed: REG

D.C.M. Utah

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

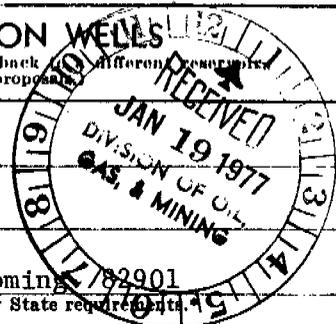
U - 4732

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. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR		Klondike Unit
3. ADDRESS OF OPERATOR		8. FARM OR LEASE NAME
Mountain Fuel Supply Company		Unit Well
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)		9. WELL NO.
At surface		3
601' FSL, 502' FWL Lot 10		10. FIELD AND POOL, OR WILDCAT
		Wildcat
14. PERMIT NO.		11. SEC., T., R., M., OR B.L.K. AND SURVEY OR AREA
API # 43-019-30326	15. ELEVATIONS (Show whether DF, RT, GR, etc.)	31- 23S-19E
	GR 4900'	12. COUNTY OR PARISH
		Grand
		18. STATE
		Utah



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>Supplementary history</u> <input checked="" type="checkbox"/>	
(Other) <input 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.)*

Depth 343', ran and cemented 9-5/8" casing, repairing rig.

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

SIGNED [Signature] TITLE Manager, Drilling and Petroleum Engineering DATE Jan. 17, 1977

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPlicate*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

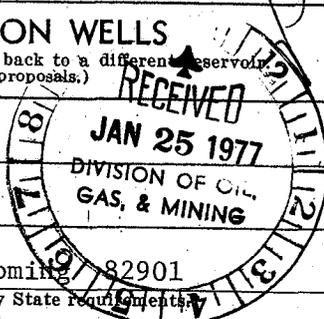
5. LEASE DESIGNATION AND SERIAL NO.

U - 4732

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 <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT AGREEMENT NAME Klondike 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. 3
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 601' FSL, 502' FWL Lot 10		10. FIELD AND POOL, OR WILDCAT Wildcat
14. PERMIT NO. API # 43-019-30326		11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA 31- 23S-19E
15. ELEVATIONS (Show whether DF, RT, GR, etc.) GR 4900'		12. COUNTY OR PARISH 13. STATE Grand Utah

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>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.)*

Depth 1887', drilling.

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

SIGNED R. J. Myers TITLE Manager, Drilling and Petroleum Engineering DATE Jan. 24, 1977

(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 reverse side)

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

U - 4732

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
601' FSL, 502' FWL Lot 10

14. PERMIT NO. API # 43-019-30326

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
KB 4909' GR 4897'

7. UNIT AGREEMENT NAME
Klondike Unit

8. FARM OR LEASE NAME
Unit Well

9. WELL NO.
3

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
31-23S-19E

12. COUNTY OR PARISH
Grand

13. STATE
Utah

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)

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.)*

NOTE CORRECTED GROUND ELEVATION.

TD 2659', rig released 1-30-77.

Landed 9-5/8"OD, 36#, K-55 casing at 340.45' KBM and set with 275 sacks of *Acement*.

DST #1: 2386-2415', White Rim, IO 1/2 hr, ISI 2 hrs, FO 1 hr, FSI 3 hrs, opened strong, gas in 25 minutes not enough to gauge, reopened weak, dead in 1/4 hour, recovered 488' water cut mud and 1435' mud cut water, IHP 1081, IOFP's 0-792, ISIP 792, FOFP's 792-792, FSIP 792, FHP 1108.

Verbal approval was granted on 1-29-77 during a telephone conversation between Mr. Guynn with the U.S.G.S. and Mr. Brotherton with Mountain Fuel and between Mr. Driscoll with the Utah Department of Natural Resources and Mr. Zubatch to plug and abandon the subject well by laying the following plugs:

- Plug No. 1: 2380-2280', 35 sacks
- Plug No. 2: 1400-1300', 35 sacks
- Plug No. 3: 390-290', 40 sacks
- Plug No. 4: 10 sacks into 9-5/8" surface pipe.

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

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

SIGNED

R. S. Meyers

TITLE

Manager, Drilling and Petroleum Engineering

DATE

Feb. 1, 1977

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

CIRCULATE TO:

- DIRECTOR -----
- PETROLEUM ENGINEER -----
- MINE COORDINATOR -----
- ADMINISTRATIVE ASSISTANT -----
- ALL -----

RETURN TO Kathy
FOR FILING

February 2, 1977

Memo to File:

Re: Mountain Fuel Supply Co.
Klondike Unit #3
Sec. 31, T. 23 S, R. 19 E
Grand County, Utah

The above well was plugged and abandoned on the 30th of January 1977.

Pertinent information is as follows:

9 5/8" casing @ 3405' and cemented to surface,
7 7/8" hole drilled to a total depth of 2659'.

The main formation tops are:

Entrada.....	295'
Carmel.....	652'
Navajo.....	785'
Kayenta.....	1308'
Chinle.....	1620'
White Rim.....	2380'
Cutler.....	2518'

There were no shows indicative of either hydrocarbons or water. The well was plugged as below.

35 sacks of cement.....	2380'-2280'
35 " " ".....	1400'-1300'
40 " " ".....	398'- 280'
10 " " ".....	0 - 50'

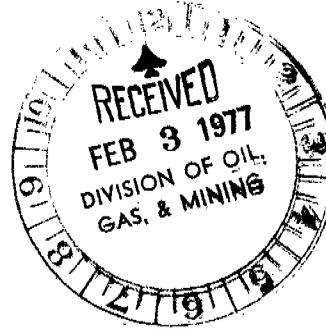
The location will be leveled and the final upgrading will be done this spring.

PATRICK L. DRISCOLL
CHIEF PETROLEUM ENGINEER

PLD/tlb

FORM OGC-8-X
FILE IN QUADRUPLICATE

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116



REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name and Number Klondike Unit #3

Operator Mountain Fuel Supply Company

Address P. O. Box 11368, Salt Lake City, Utah 84139

Contractor Signal Well Services

Address Denver, Colorado

Location SW 1/4, SW 1/4, Sec. 31; T. 23 N; R. 19 E S W Grand County

Water Sands:

	Depth:		Volume: Flow Rate or Head -	Quality: Fresh or Salty -
	From-	To-		
1.	<u>2380'</u>	<u>to 2518'</u>	<u>488' muddy water plus</u>	<u>Resistivity 3.59 @ 51°</u>
2.	<u>DST 01 2386'</u>	<u>-2415'</u>	<u>1435' fresh water</u>	
3.	<u>Total Recovery =</u>		<u>1923'</u>	
4.				
5.				

(Continue on Reverse Side if Necessary)

Formation Tops:

Entrada	295'	White Rim	2380'
Navajo	785'	Cutler	2518'
Chinle	1620'	Total Depth	2659'

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

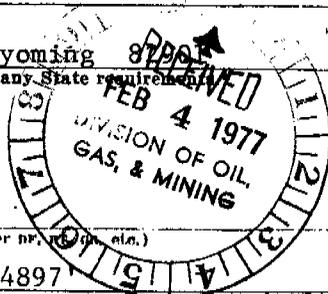
U - 4732

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 <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		7. UNIT AGREEMENT NAME Klondike 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		9. WELL NO. 3
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 601' FSL, 502' FWL Lot 10		10. FIELD AND POOL, OR WILDCAT Wildcat
14. PERMIT NO. API # 43-019-30326	15. ELEVATIONS (Show whether DE, GR, etc.) KB 4909' GR 4897'	11. SEC. T., R., M., OR BLK. AND SURVEY OR AREA 31- 23S-19E
		12. COUNTY OR PARISH Grand
		13. STATE Utah



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

TD 2659', rig released 1-30-77, well plugged and abandoned by laying the following plugs:

- Plug No. 1: 2380-2280', 35 sacks
- Plug No. 2: 1400-1300', 35 sacks
- Plug No. 3: 390- 290', 40 sacks
- Plug No. 4: 10 sacks into 9-5/8" surface pipe.

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

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

SIGNED *R. J. Myers* TITLE Manager, Drilling and Petroleum Engineering DATE Feb. 1, 1977

(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 DUPLICATE*

(See other instructions on reverse side)

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

13

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

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

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

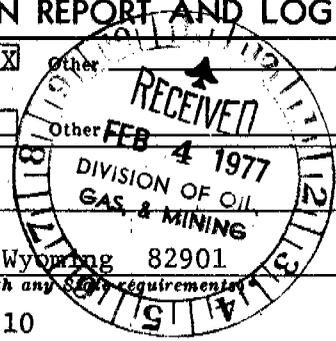
2. NAME OF OPERATOR
Mountain Fuel Supply Company

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface 601' FSL, 502' FWL Lot 10

At top prod. interval reported below

At total depth



5. LEASE DESIGNATION AND SERIAL NO.
U - 4732

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
-

7. UNIT AGREEMENT NAME
Klondike Unit

8. FARM OR LEASE NAME
Unit Well

9. WELL NO.
3

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T. R., M., OR BLOCK AND SURVEY OR AREA
31-23S-19E

14. PERMIT NO. - - - - - DATE ISSUED - - - - -
12. COUNTY OR PARISH Grand 13. STATE Utah

API No.: 43-019-30326
15. DATE SPUNDED 1-10-77 16. DATE T.D. REACHED 1-29-77 17. DATE COMPL. (Ready to prod.) 1-30-77 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* KB 4909' GR 4897' 19. ELEV. CASINGHEAD -

20. TOTAL DEPTH, MD & TVD 2659' 21. PLUG BACK T.D., MD & TVD 0' 22. IF MULTIPLE COMPL., HOW MANY* - 23. INTERVALS DRILLED BY ROTARY TOOLS 0-2659' CABLE TOOLS -

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* D & A 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN DIL, BHCGRS, HDT 27. WAS WELL CORED No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	36	340.45'	12-1/4"	275 SX	0
			7-7/8"		

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

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

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

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
Logs as above

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
Manager, Drilling and
SIGNED: [Signature] TITLE: Petroleum Engineering DATE: Feb. 1, 1977

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

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:
 SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.

38. GEOLOGIC MARKERS

NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
Log tops:			
Entrada	295'		
Carmel	652		
Navajo	785		
Kayenta	1308		
Wingate	1380		
Chinle	1620		
White Rim	2380		
Cutler	2518'		

COMPLETION REPORT (cont.)

Well: Klondike Unit Well #3

Area: Klondike

Cored Intervals (recovery): None

Tabulation of Drill Stem Tests:

<u>No.</u>	<u>Interval</u>	<u>IFP</u>	<u>IFP (min.)</u>	<u>ISIP (min.)</u>	<u>FFP (min.)</u>	<u>FSIP (min.)</u>	<u>FHP</u>	<u>Samples Caught</u>	<u>Remarks</u>
01	2386'-2415'	1001	385-772(30)	803(120)	783-803 (60)	804(180)	1082	Water	Recovery 488' WCM, 1435' MCW Total Recovery = 1923' WCM & MCW

Well Name Klondike Unit Well No. 3

Location Lot 10 31-23S-19E

Grand County, Utah

<u>Wellhead Equipment</u>	<u>Size</u>	<u>Pressure Rating</u>	<u>Pressure Test</u>
Surface Casing Flange	10"	3000	6000
Casing Spool			
Tubing Spool	10" x 6"	3000	6000
Tubing Bonnet	6" x 2-1/2"	3000	6000

<u>Blow Out Preventers</u> (Top to Bottom)	<u>Size</u>	<u>PGI Rating</u>	<u>PGI Test</u>	<u>Blow</u>	<u>Rating</u>
	10	3000	6000	X	
	10	3000	6000		Blind
	10	3000	6000		4-1/2
<u>Gas Buster</u>		X No	<u>Degasser</u>	Yes	X No

Kill or Control Manifold

<u>2</u> Size	<u>3000</u> Pressure Rating	<u>3000</u> Pressure Rating Test	<u>No</u> Hydraulic Valves
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Auxiliary Equipment Kelly Cock X
Yes No

Monitoring Equipment on Mud System X
Yes No

Full Opening Drill Pipe Stabbing Valve on Floor X
Yes No

Type of Drilling Fluid X
Water Base Mud Air Gas Oil Base Mud

Anticipated Bottom Hole Pressure 1400
PSI

CHECKLIST 3000psi EQUIPMENT

Contractor and operator to furnish items checked (X)

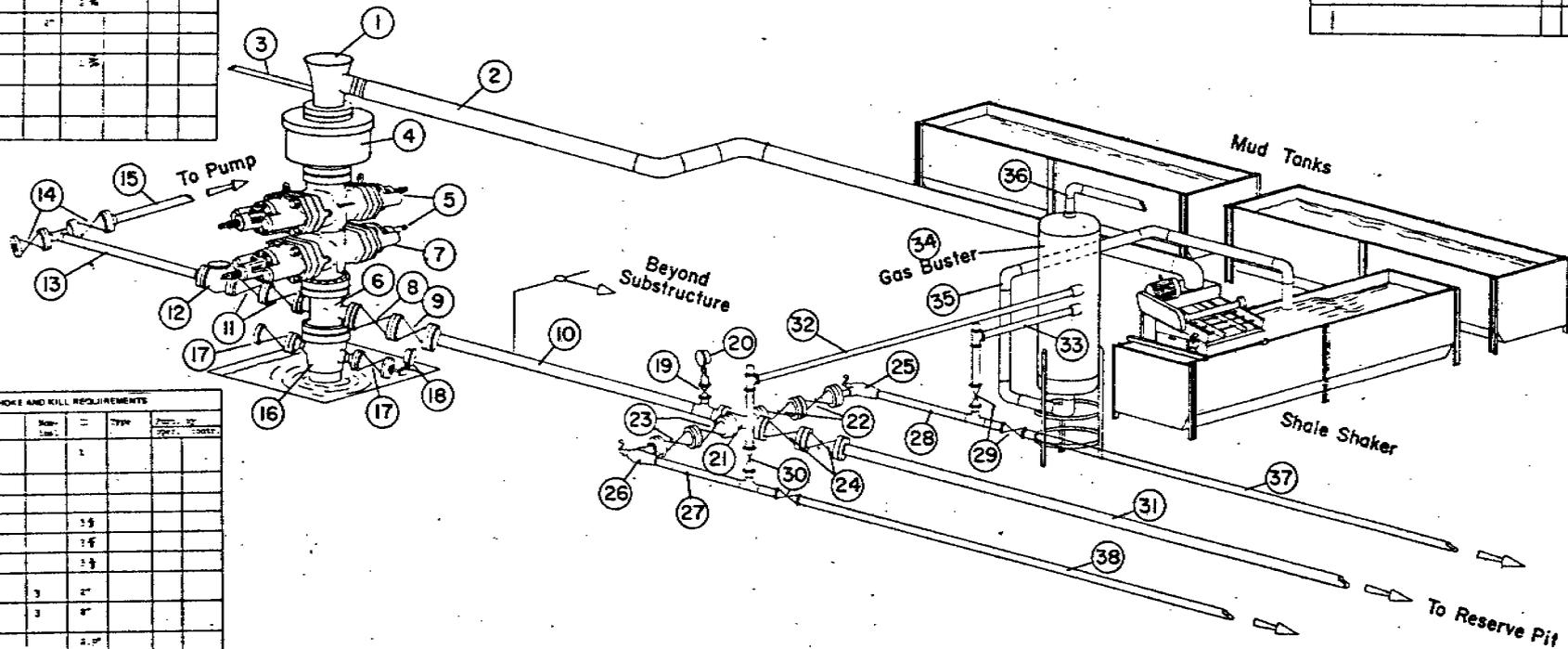
STANDARD STACK REQUIREMENTS				
No.	Item	Size	Type	Pressure
1	Drilling Pipe			3000 psi
2	Flowline			
3	Well up line	2"		
4	Annular Preventer		Hydril Chamber Sealoff	
5	One stroke or one shot kill line			3000 psi
6	Drilling Spool with 2" and 3" outlets		Forged	
7	As alternate to (5) Run and Kill Lines from outlets of this tool.			
8	Valve Gate	1 1/2"		
9	Valve-Gate	1 1/2"		
10	Check Valve	2 1/2"		
11	Check Valve	2 1/2"		
12	Check Valve	2 1/2"		
13	Check Valve	2 1/2"		
14	Check Valve	2 1/2"		
15	Check Valve	2 1/2"		
16	Check Valve	2 1/2"		
17	Check Valve	2 1/2"		
18	Check Valve	2 1/2"		
19	Check Valve	2 1/2"		
20	Check Valve	2 1/2"		
21	Check Valve	2 1/2"		
22	Check Valve	2 1/2"		
23	Check Valve	2 1/2"		
24	Check Valve	2 1/2"		
25	Check Valve	2 1/2"		
26	Check Valve	2 1/2"		
27	Check Valve	2 1/2"		
28	Check Valve	2 1/2"		
29	Check Valve	2 1/2"		
30	Check Valve	2 1/2"		
31	Check Valve	2 1/2"		
32	Check Valve	2 1/2"		
33	Check Valve	2 1/2"		
34	Check Valve	2 1/2"		
35	Check Valve	2 1/2"		
36	Check Valve	2 1/2"		
37	Check Valve	2 1/2"		
38	Check Valve	2 1/2"		

MOUNTAIN FUEL SUPPLY COMPANY

3000 psi BLOWOUT PREVENTION EQUIPMENT

SPECIAL CHOKE AND KILL REQUIREMENTS				

SPECIAL STACK REQUIREMENTS				



STANDARD CHOKE AND KILL REQUIREMENTS				
No.	Item	Size	Type	Pressure
14	Valve Gate	1 1/2"		
15	Valve Gate	1 1/2"		
16	Compound Pressure			
17	Check Valve	2 1/2"		
18	Check Valve	2 1/2"		
19	Check Valve	2 1/2"		
20	Check Valve	2 1/2"		
21	Check Valve	2 1/2"		
22	Check Valve	2 1/2"		
23	Check Valve	2 1/2"		
24	Check Valve	2 1/2"		
25	Check Valve	2 1/2"		
26	Check Valve	2 1/2"		
27	Check Valve	2 1/2"		
28	Check Valve	2 1/2"		
29	Check Valve	2 1/2"		
30	Check Valve	2 1/2"		
31	Line to Separator	2 1/2"		
32	Line to Separator	2 1/2"		
33	Line to Res. Pit	2 1/2"		
34	Line to Separator	2 1/2"		
35	Line to Separator	2 1/2"		
36	Line to Separator	2 1/2"		
37	Separator			
38	Discharge Line			
39	Flow Line			
40	Line to Res.	2 1/2"		
41	Line to Res. Pit	2 1/2"		

COMPLETION REPORT

Well: Klondike Unit Well #3 Date: March 1, 1977

Area: Klondike Lease No: U-4732

- New Field Wildcat
- Development Well
- Shallower Pool Test
- New Pool Wildcat
- Extension
- Deeper Pool Test

Location: 502 feet from West line, 601 feet from South line
SW $\frac{1}{4}$ SW $\frac{1}{4}$

Section 31, Township 23 South, Range 19 East

County: Grand County State: Utah

Operator: Mountain Fuel Supply Company

Elevation: KB 4909' Gr 4900' Total Depth: Driller 2659' Log 2659'

Drilling Commenced: January 10, 1977 Drilling Completed: January 29, 1977

Rig Released: January 30, 1977 Well Completed: January 30, 1977

Sample Tops: (unadjusted)

Log Tops:

	Surface ... Morrison.....	Surface
	245' ... Entrada.....	295' (+4616')
	670' ... Carmel.....	652'
	780' ... Navajo.....	785' (+4126')
	1230' ... Kayenta.....	1308'
	1360' ... Wingate.....	1380'
Sample Cuttings:	1610' ... Chinle.....	1620' (+3291')
	2380' ... White Rim.....	2380' (+2531')
	2518' ... Cutler.....	2518' (+2393')
	2580' ... Arkosic facies.....	2580'
	2659' ... Total Depth.....	2659'

Status: P&A

Producing Formation: None

Perforations: None

Stimulation: None

Production: None

Plug Back Depth: None

Plugs: 1) 2380'-2280', 35 sx; 2) 1400'-1300', 35 sx; 3) 390'-290', 40 sx; 4) Top, 10 sx.

Hole Size: 7 7/8"

Casing/Tubing: 9 5/8" at 340.45'

Logging - Mud: 18' - 2659'

Mechanical: 0' - 2659'

Contractor: Signal Oil Field Services

Completion Report Prepared by: C. M. Krivanek

Remarks: None

