

**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
 Taiga Energy, Inc.

3. ADDRESS OF OPERATOR
 718 17th Street Suite 630 Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
 At surface 2222' FEL, 73' FNL Section, 35, T13S, R25E
 At proposed prod. zone Same *22 (See Survey Plot)*

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 36 miles to Bonanza, Utah

16. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)
 1173'

16. NO. OF ACRES IN LEASE
 2560

17. NO. OF ACRES ASSIGNED TO THIS WELL
 160

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

19. PROPOSED DEPTH
 6130' *manco*

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 7801' ungr.

22. APPROX. DATE WORK WILL START*
 July 15, 1978

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"/8-5/8"	32#/24#	250'/500'	250 sacks
7-7/8"	4-1/2"	11.6#	Total Depth	250 sacks



APPROVED BY THE DIVISION OF OIL, GAS, AND MINING
 DATE: 6-20-78
 BY: C.B. Jantz

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 [Signature] TITLE Operations Manager DATE 6/15/78

(This space for Federal or State office use)
 PERMIT NO. 43-047-30445 APPROVAL DATE _____

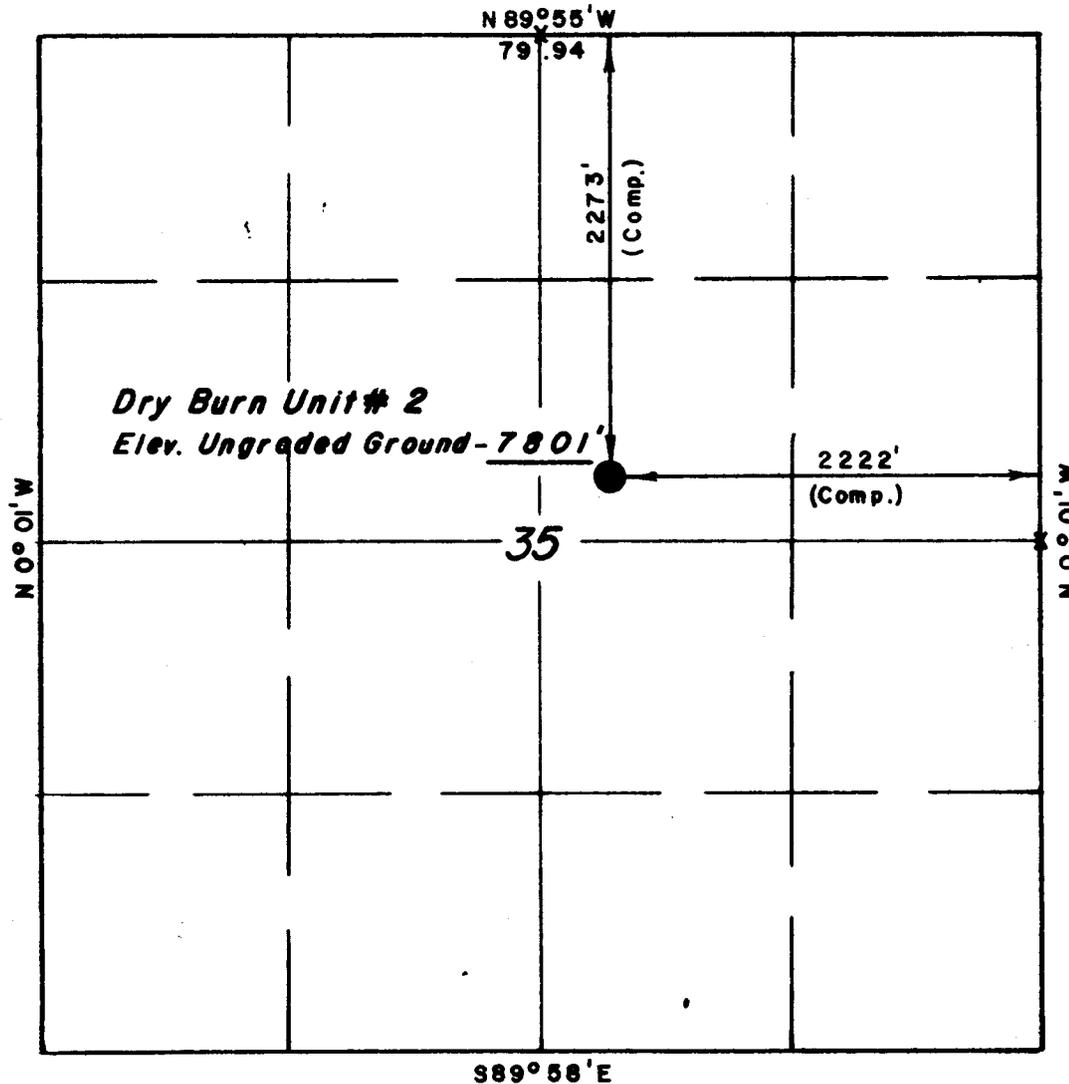
APPROVED BY _____ TITLE _____ DATE _____
 CONDITIONS OF APPROVAL, IF ANY:

PROJECT

TAIGA ENERGY INC.

T13S, R25E, S.L.B. & M.

Well location, Dry Burn Unit #2,
located as shown in the SW 1/4
NE 1/4 Section 35, T13S, R25E,
S.L.B. & M. Uintah County, Utah.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

James W. Marshall
 REGISTERED LAND SURVEYOR
 REGISTRATION NO 2454
 STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING			
P. O. BOX Q - 110 EAST - FIRST SOUTH			
VERNAL, UTAH - 84078			
SCALE	1" = 1000'	DATE	5 / 17 / 78
PARTY	DA DS RP	REFERENCES	GLO Plat
WEATHER	Fair	FILE	TAIGA ENERGY

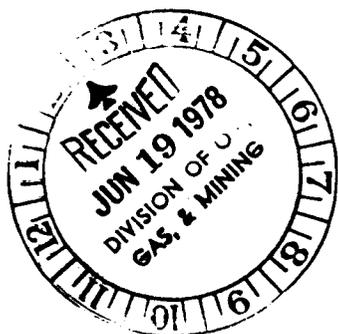
X = Section Corners Located

Jeli

TAIGA ENERGY, INC.

MULTI-WELL PROGRAM

UINTAH COUNTY, UTAH



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- I. Master Well List
- II. Multi Well Numbering Scheme
- III. General Plan - 12 Point Surface Use Plan for Multi Well Program
- IV. General Plan - 10 Point Plan
- V. Blowout Preventer Schematic
- VI. Frac Layout
- VII. Folders - Well Files (Containing for each well)
 - A. Form 9-331C "Application for Permit to Drill, Deepen or Plug Back"
 - B. Plat
 - C. Specific Plan - 12 Point Surface Use Plan
 - D. Specific Plan - 10 Point Plan
 - E. Topo Map "A"
 - F. Topo Map "B"
 - G. Well Site Layout

Taiga Energy, Inc.
Multi Well Master List

Uintah County, Utah

Well Name

Location

Dry Burn Unit # 2

2273' FNL, 2222' FEL Section 35, T13S, R25E

Rat Hole Canyon Unit # 2

2363' FNL, 1661' FWL Section 22, T14S, R25E

Rat Hole Canyon Unit # 3

1880' FNL, 1788' FWL Section 9, T14S, R25E

Black Horse Canyon Unit # 3

1709' FWL, 1395' FSL Section 9, T15S, R24E

Black Horse Canyon Unit # 4

612' FSL, 1934' FNL Section 8, T15S, R24E

Multi-Well Program

Numbering Scheme

13	14	15	16
12	11	10	9
5	6	7	8
4	3	2	1

Section

TAIGA ENERGY, INC.

NUMBERING SCHEME

GENERAL PLAN

12 POINT SURFACE USE PLAN FOR MULTI-WELL PROGRAM

1. Existing Roads

See attached Topographic map "A" for each location under "Specific Plans and Exceptions".

2. Planned Access Road

See attached Topographic map "B" for each location under "Specific Plans and Exceptions".

General Plan for All Access Roads

The proposed access roads shall be an 18' crown road with 9' either side of the centerline and drainage ditches along either side of the proposed road where it is determined necessary in order to handle any runoff from any normal meteorological conditions that are prevalent to this area.

The grade of the roads shall vary from flat to 8% but shall never exceed this amount. The roads shall be constructed from native borrow accumulated during construction.

The terrain that is traversed by these roads is sloping and is vegetated with sagebrush and grasses with some juniper and pinion pine.

3. Location of Existing Wells

See attached Topographic map "B" for each location site under "Specific Plans and Exceptions".

4. Location of Tank Batteries, Production Facilities, Production Gathering and Service Lines

All petroleum production facilities are to be contained within the proposed location site. There are no other Taiga Energy, Inc. flow, gathering, injection or disposal lines within a one mile radius of these locations.

In the event production is established, plans for a gas flow line from this location to existing gathering lines or a main production line shall be submitted to the appropriate agencies for approval.

5. Location and Type of Water Supply

Water utilized to drill these wells shall be obtained from existing and approved sources in or near the area where the individual wells shall be drilled.

6. Source of Construction Materials

All construction materials for these location sites and access roads shall be borrow materials accumulated during construction of the location site and access road. No additional road gravels or pit lining materials from other sources are anticipated at this time.

7. Methods of Handling Waste Disposal

All garbage and trash that can be burned, shall be burned. All unburnable garbage and trash accumulated during development of these wells shall be contained in the trash pit shown on the attached layout sheet. When drilling activities have been completed, the rig moved off location and production facilities set up, all garbage and trash on the location site shall be cleaned up, deposited in the trash pit and covered with a minimum of 4' of cover.

A portable chemical toilet will be supplied for human waste.

8. Ancillary Facilities

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. Well Site Layout

See attached Location Layout Sheet. The BLM District Manager or other appropriate agencies shall be notified before any construction begins on the proposed location site. When drilling activities commence, all work shall proceed in a neat and orderly sequence.

10. Plans for Restoration of the Surface

As there is some topsoil in the area, all topsoil will be stripped and stockpiled prior to drilling activities on the wellsite only. When all production activities have been completed, the location site, access road and flowline route will be reshaped as near as possible to the original contour prior to construction. The topsoil on the location only shall be spread on the disturbed area. Any drainage rerouted during construction and production activities shall be restored to the original line of flow.

All additional wastes being accumulated during production activities and contained in the reserve pit and trash pit shall be buried with a minimum of 4' of cover. The location site, access road and flowline route shall be reseeded with a seed mixture recommended by the BLM District Manager, when the moisture content of the soil is adequate for germination.

Restoration activities shall begin within 90 days after completion of the well. Once completion activities have begun, they shall be completed within 30 days. The lessee further covenants and agrees that all of said cleanup and restoration activities shall be done and performed in the best and most workmanlike manner and in strict conformity with the above mentioned items # 7 and # 10.

11. Other Information

The topography of the general area is mountainous and cut with numerous canyons. The majority of the washes and streams in the area are of a non-perennial nature flowing during the early spring runoff and extremely heavy rains of long duration which are extremely rare. The normal annual rainfall in the area is only 8".

The soils in this semi-arid area are of the Green River formation (Middle Eocene) and the Wasatch formation (Lower Eocene) consisting of light brownish-gray clays (OL) to sandy soils (SM-ML) with poorly graded gravels. Outcrops of sandstone ledges, conglomerate deposits and shale are common on this area. The topsoils in the area range from sandy clay (SM-ML) to clayey (OL) soil.

Due to the low amount of average precipitation, climate conditions and the marginal soils, the vegetation that is found in the area is common to the semi-arid region we are located in. In the lower elevations it consists of juniper and pinion pine forests as the primary flora with areas of sagebrush, rabbit brush, some grasses and cacti.

The fauna of the area consist mainly of mule deer, coyote, rabbit and varieties of small ground squirrels and other types of rodents. The area is used by man primarily for grazing sheep and cattle. The birds in the area are raptors, finches, ground sparrows, magpies, crows and jays.

There are no occupied dwellings or other facilities of this nature in the general area. There are no visible archaeological, historical or cultural sites within any reasonable proximity of the proposed location sites.

12. Lessee's or Operator's Representative

Peter MacDowell
Resource Marketing Services, Inc.
821 17th Street
Denver, Colorado 80202

(303)892-9185

Johnnie D. Odum, Operations Manager
Taiga Energy, Inc.
718 17th Street
Denver, Colorado 80202

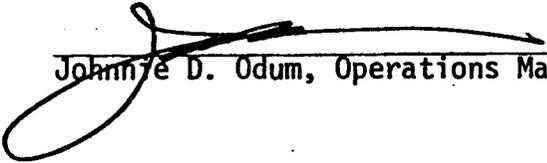
(303)573-6178

13. Certification

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsites and access routes; 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 Taiga Energy, Inc. and its contractors and sub-contractors in conformity with this plan and terms and conditions under which it is approved.

Date

6/15/78


John D. Odum, Operations Manager

GENERAL PLAN

MULTI-WELL PROGRAM

10 POINT PLAN

1. The geological name for the surface formation is the Green River Formation of Middle Eocene Age.
2. See "Specific Plans and Exceptions" for estimated tops of important geological markers with depths calculated from an estimated RKB elevation.
3. Of the formations listed above it is anticipated that the Mancos "B" and Dakota formations may be gas bearing in the well.
4. The proposed casing program for completion of this well will consist of 4-1/2" 11.6# J-55 new casing. Surface casing will be dependent on the drilling contractor. Either 9-5/8" 32# K-55 will be run (Burton-Hawks) or 8-5/8" 24# casing will be run (Thomson). It may be necessary to set 7" 20# intermediate casing in the Dakota formation.

If the location is on a hill, 500' of surface casing will be set.
If the location is in a valley, 250' of surface casing will be set.

5. The operators minimum specifications for pressure control equipment is as follows:

A 10" Series 900 Hydril Bag type BOP and a 10" Double Ram Hydraulic unit with a closing unit will be utilized. Additionally, while air drilling, a Series 900 Rotating Head will be used. Pressure tests of BOP's to 1000# will be made after installation and operation and will be checked daily.

6. It is proposed that the hole will be drilled to the top of the Mancos with air and mist as necessary in order to clean the hole. From the Mancos to Total Depth it is planned to drill the well with air or air mist. The Thomson rig will use water and mud with enough weight to control any pressures encountered.
7. Auxiliary equipment to be used will be a Kelly Cock and a Float at the drill bit.
8. No coring or drill stem testing has been scheduled for this well. The logging program will consist of a dual induction laterolog and a compensated neutron formation density log.

9. It is not anticipated that abnormal pressures or temperatures will be encountered nor that any other abnormal hazards such as hydrogen sulfide gas will be encountered in this area.
10. See Specific Plans and Exceptions for commencement date.

Blowout Preventer Schematic

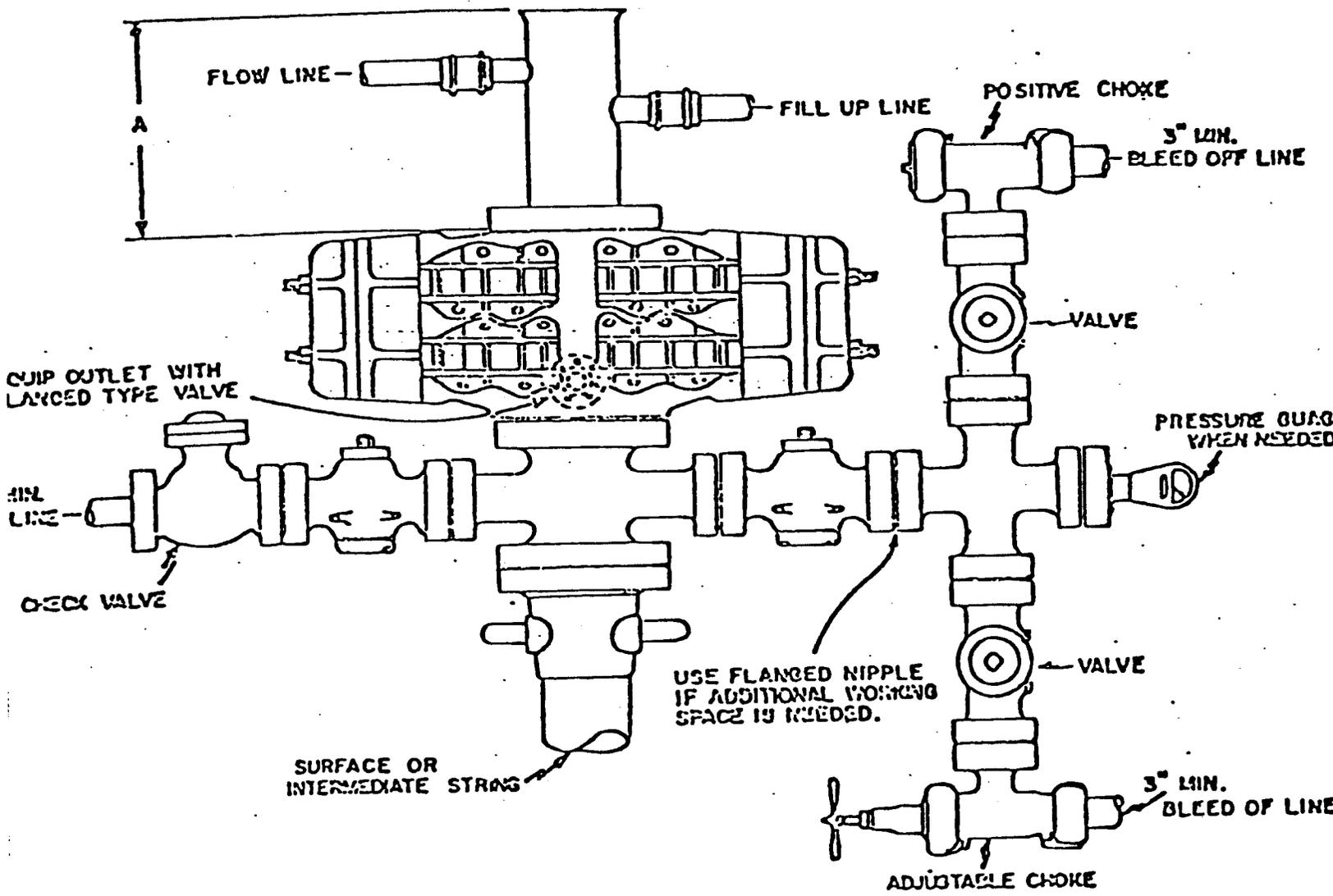
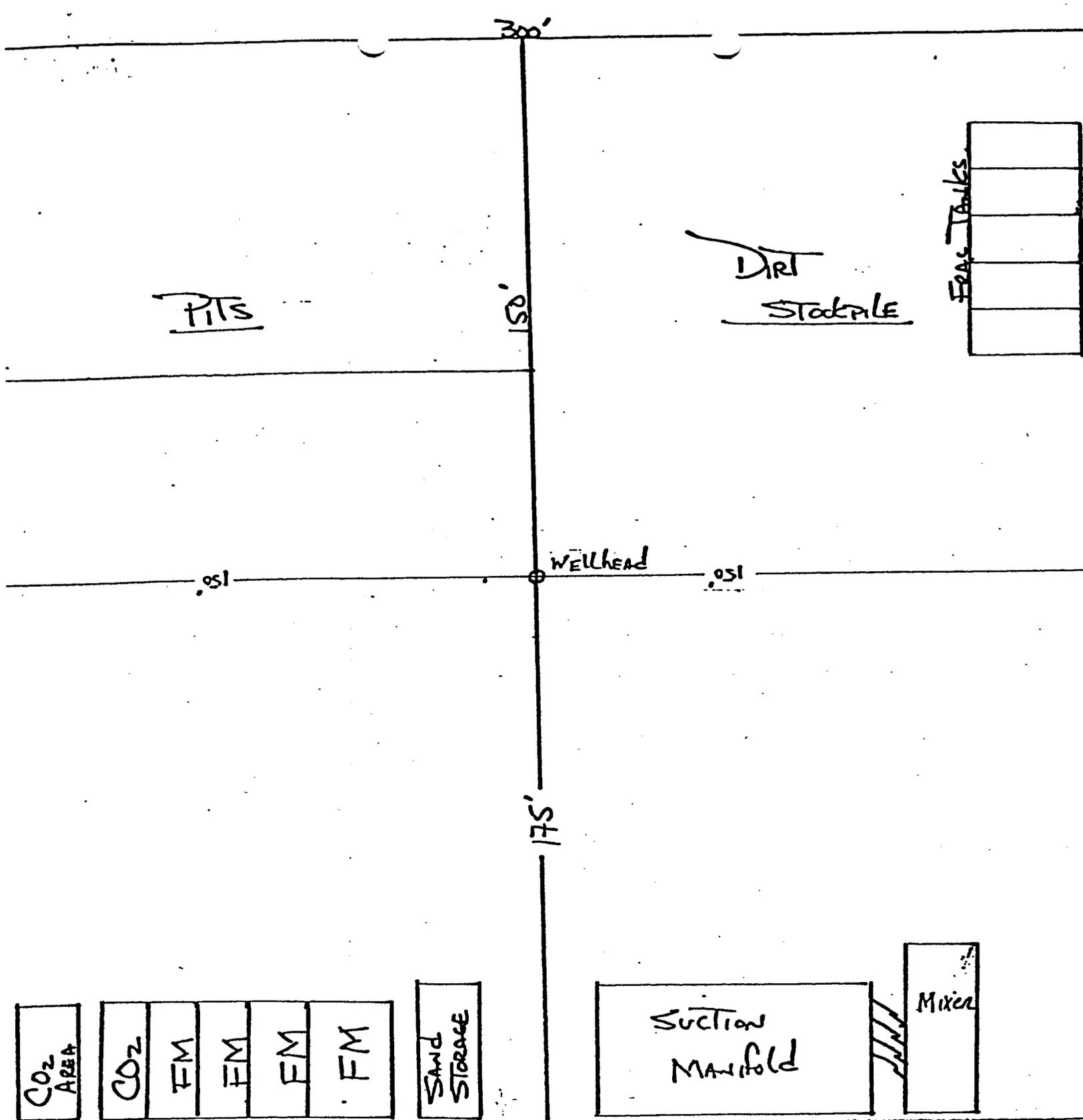
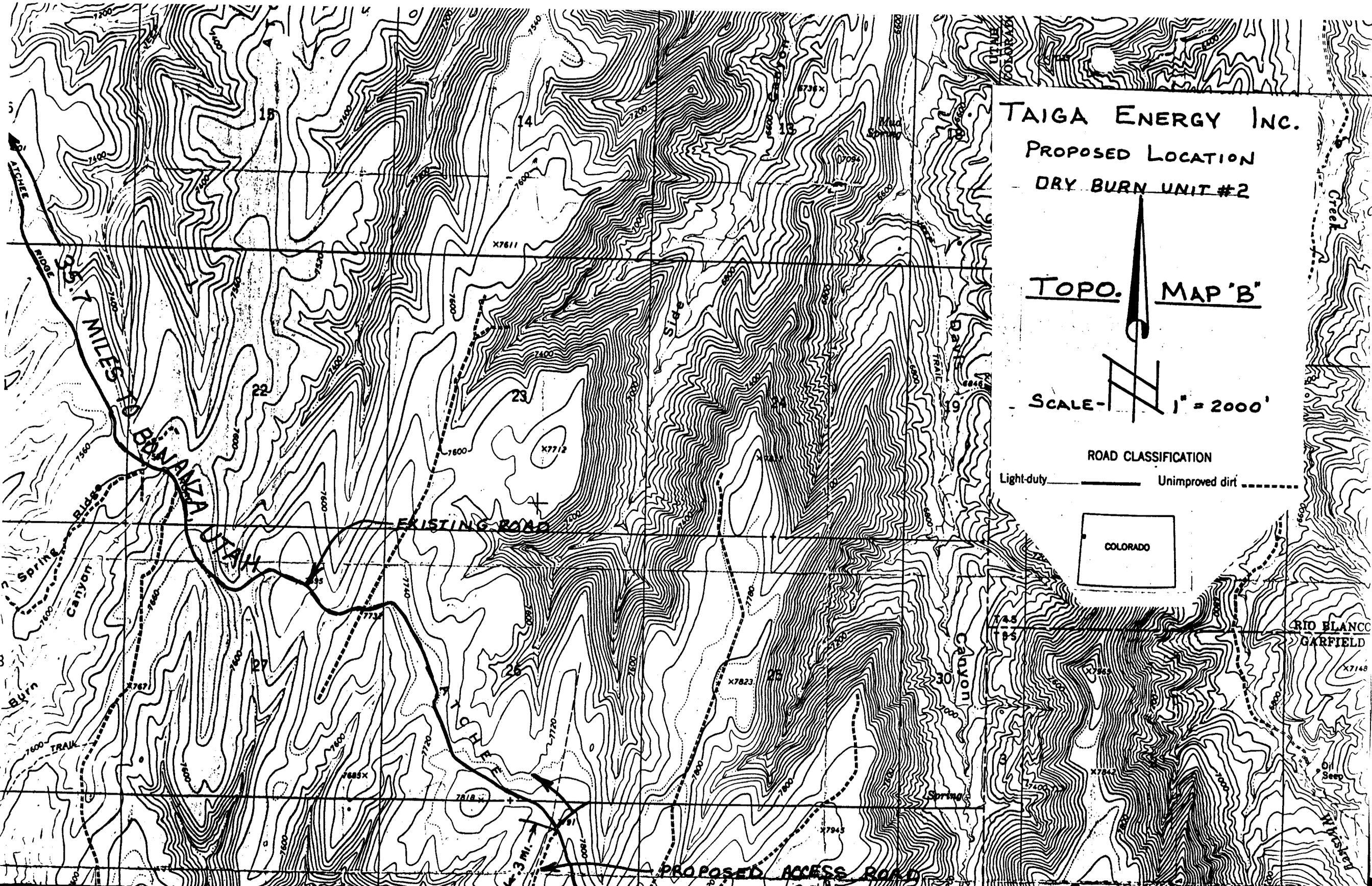


EXHIBIT. A

Frac Layout



FRAC DIAGRAM



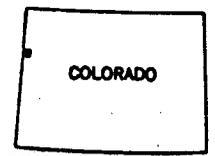
TAIGA ENERGY INC.
PROPOSED LOCATION
DRY BURN UNIT #2

TOPO. MAP 'B'

SCALE - 1" = 2000'

ROAD CLASSIFICATION

Light-duty ————— Unimproved dirt - - - - -



COLORADO

RIO BLANCO
GARFIELD

PROPOSED ACCESS ROAD

EXISTING ROAD

10 MILES

BURN CANYON

SPRING RIDGE

Side

TRAIL

CANYON

Creek

Oil Seep

WICKIACAN

14

X7611

23

X7712

25

X7823

X7943

2818 x

7685X

15

22

27

Burn

TRAIL

3

745

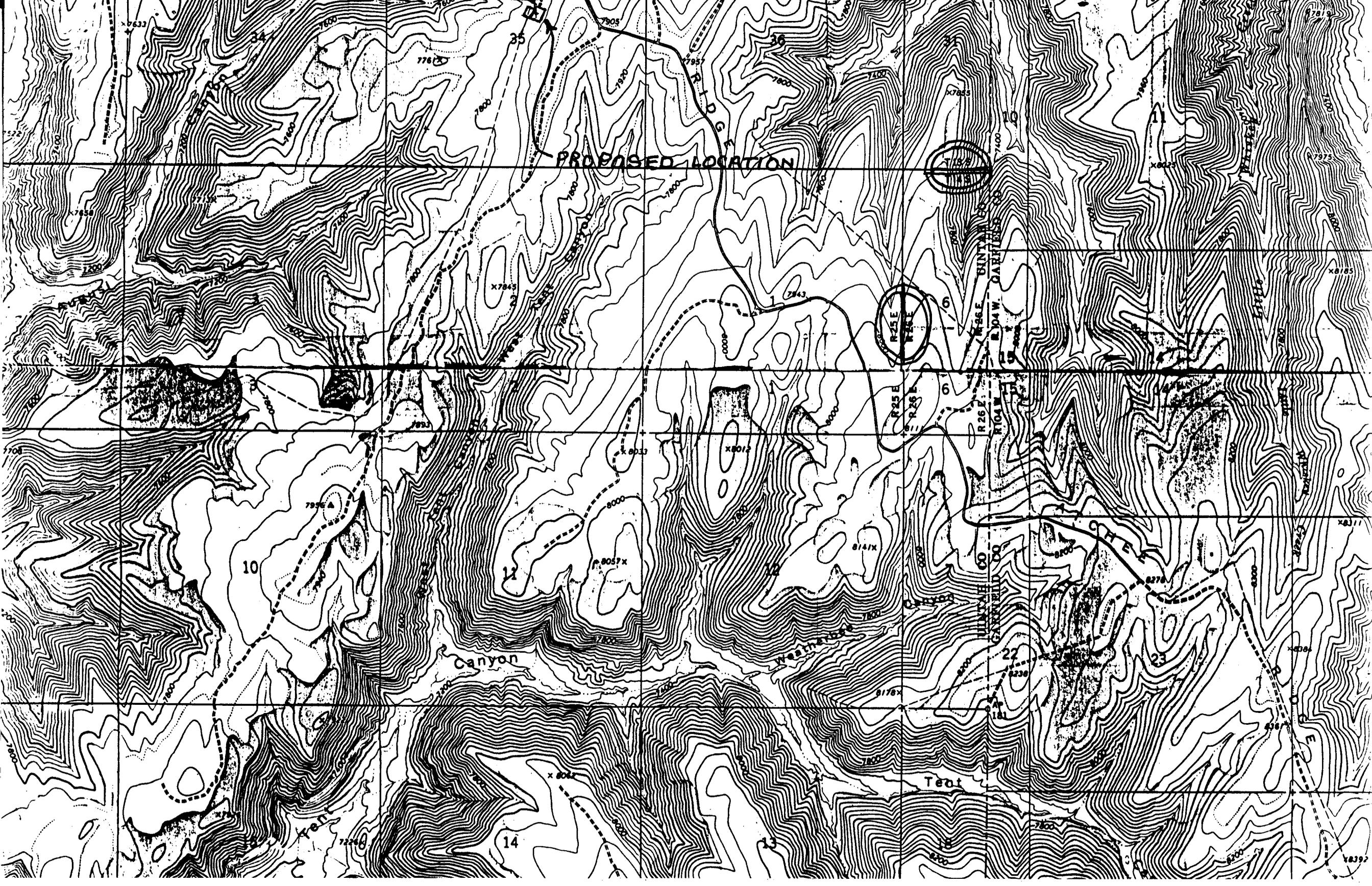
745

X7148

X7942

Oil Seep

WICKIACAN



PROPOSED LOCATION

Canyon

Test

R25E
R26E
R27E
R28E
R29E
R30E
R31E
R32E
R33E
R34E
R35E
R36E
R37E
R38E
R39E
R40E
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R42E
R43E
R44E
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R49E
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Proposed Action:

On June 20, 1978, Taiga Energy, Incorporated filed an Application for Permit to Drill the No. 2 Dry Burn Unit exploratory well, a 6130-foot gas test of the Mancos Formation; located at an elevation of 7801 ft in the SW $\frac{1}{4}$, NE $\frac{1}{4}$ sec. 35, T.13S, R.25E on Federal mineral lands and Public surface; Lease No.U-11156. There was no objection raised to the wellsite nor to the access road.

A rotary rig would be used for the drilling. An adequate casing and cementing program is proposed. Fresh-water sands and other mineral bearing formations would be protected. A Blowout Preventer would be used during the drilling of the well. The proposed pressure rating should be adequate. Details of the operator's NTL-6 10-Point Subsurface and 13-Point Surface Protection Plans are on file in the U.S.G.S. District Office in Salt Lake City, Utah, and the U.S.G.S. Northern Rocky Mountain Area Office in Casper, Wyoming.

A working agreement has been reached with the Bureau of Land Management the controlling surface agency who will supply supplemental stipulation for the roadless area. Rehabilitation plans would be decided upon as the well neared completion; the Surface Management Agency would be consulted for technical expertise on those arrangements.

The operator proposes to construct a drill pad 175 ft wide x 300 ft and a reserve pit 125 ft x 150 ft., and an upgrade of 0.3 miles access road from an existing and improved road. The operator proposes to construct production facilities on a disturbed area of the proposed drill pad. If production is established, plans for a gas flow line have been submitted to the appropriate agencies for approval. The anticipated starting date and duration of drilling activities are included in the operations 10-Point Subsurface Protection Plan.

Location and Natural Setting:

The proposed drillsite is approximately 36 miles south of Bonanza, Utah, the nearest town. A fair road runs to within 0.3 miles of the location. This well is a wildcat.

Topography:

Mountain terrain dissected by numerous ridges and steep wall canyons of sandstones, conglomeration and shales. Location is on a ridge on a relatively level area chained of vegetation.

Geology:

The surface geology is Green River. The soil is shaley sandy loam with sandstone fragments. No geologic hazards are known near the drillsite. Seismic risk for the area is minor. Anticipated geologic tops are filed with the 10-Point Subsurface Protection Plan.

Approval of the proposed action would be conditioned that adequate and sufficient electric/radioactive/density logging surveys would be made to locate and identify any potential mineral resources. Production casing and cementing would be adjusted to assure no influence of the hydrocarbon zones through the well bore on these minerals. In the event the well is abandoned, cement plugs will be placed with drilling fluid in the hole to assure protection of any mineral resources.

The potential for loss of circulation would exist. Loss of circulation may result in the lowering of the mud levels, which might permit exposed upper formations to blow out or to cause formation to slough and stick to drill pipe. A loss of circulation would result in contamination due to the introduction of drilling muds, mud chemicals, filler materials, and water deep into the permeable zone, fissures, fractures, and caverns within the formation in which fluid loss is occurring. The use of special drilling techniques, drilling muds, and lost circulation materials may be effective in controlling lost circulation.

A geologic review of the proposed action has been furnished by the Area Geologist, U.S. Geological Survey, Salt Lake City, Utah. The operator's drilling, cementing, casing and blowout prevention programs have been reviewed by the Geological Survey engineers and determined to be adequate.

Soils:

No detailed soil survey has been made of the project area. The top soils in the area range from a sandy clay to a clay type soil. The soil is subject to runoff from rainfall and has a high runoff potential and sediment production would be high. The soils are mildly to moderately alkaline and support the salt-desert shrub community. The pinon, juniper association is also present; also present are pine trees.

Top soil would be removed from the surface and stockpiled. The soil would be spread over the surface of disturbed areas when abandoned to aid in rehabilitation of the surface. Rehabilitation is necessary to prevent erosion and encroachment of undesired species on the disturbed areas. The operator proposed to rehabilitate the location and access roads per the recommendations of the Bureau of Land Management.

Approximately 1.6 acres of land would be stripped of vegetation. This would increase the erosional potential. Proper construction practice, construction of water bars, resseding of slope-cut area would minimize this impact.

Air:

No specific data on air quality is available at the proposed location. There would be a minor increase in air pollution due to emissions from rig and support traffic engines. Particulate matter would increase due to dust from travel over unpaved dirt roads. The potential for increased air pollution due to leaks, spills, and fire would be possible.

Relatively heavy traffic would be anticipated during the drilling operations phase, increasing dust levels and exhaust pollutants in the area. If the well was to be completed for production, traffic would be reduced substantially to a maintenance schedule with a corresponding decrease of dust levels and exhaust pollutants to minor levels. If the project results in a dry hole, all operations and impact from vehicular traffic would cease after abandonment. Due to the limited number of service vehicles and limited time span of their operation, the air quality would not be substantially reduced.

Toxic or noxious gases would not be anticipated.

Precipitation:

Annual rainfall should range from about 8 to 14 inches at the proposed location. The majority of the numerous drainages in the surrounding area are of a nonperennial nature flowing only during early spring runoff and during extremely heavy rain storms. This type of storm is rather uncommon as the normal annual precipitation is around 10 inches.

Winds are medium to strong and gusty, occurring predominately from west to east. Air mass inversions are rare.

The climate is semi-arid with abundant sunshine, hot summers and cold winters with temperature variations on a daily and seasonal basis.

Surface Water Hydrology:

Drainage is to the west by local washes into Bitter Creek that supplies the White River to the north.

Some additional erosion would be expected in the area since surface vegetation would be removed. If erosion became serious, drainage systems such as water bars and dikes would be installed to minimize the problem. The proposed project should have minor impact on the surface water systems.

The potentials for pollution would be present from leaks or spills. The operator is required to report and clean up all spills or leaks.

Ground Water Hydrology:

Some minor pollution of ground water systems would occur with the introduction of drilling fluids (filtrate) into the aquifer. This is normal and unavoidable during rotary drilling operations. The potential for communication, contamination and commingling of formations via the well bore would be possible. The drilling program is designed to prevent this. There is need for more data on hydrologic systems in the area and the drilling of this well may provide some basis information as all shows of fresh water would be reported. Water production with the gas would require disposal of produced water per the requirement of NLT-2B.

The depths of fresh water formations are listed in the 10-Point Sub-surface Protection Plan. There would be no tangible effect on water migration in fresh-water aquifers. The pits would be unlined. If fresh water should be available from the well, the owner or surface agency may request completion as a water well if given approval.

Vegetation:

Plants in the area are of the salt-desert-shrub types grading to the pinon-juniper association. Pine trees are also present.

Proposed action would remove about 1.6 acres of vegetation. Removal of vegetation would increase the erosional potential and there would be a minor decrease in the amount of vegetation available for grazing.

The operator proposes to rehabilitate the surface upon completion of operations.

Wildlife:

Animal and plant inventory has been made by the BLM. No endangered plants or animals are known to habitat on the project area. The fauna of the area consists predominatly of the mule deer, coyotes, rabbits, and varieties of small ground squirrels and other types of rodents and various types of reptiles. The area is used by man for the primary purpose of grazing domestic livestock and sheep. The birds of the area are raptors, finches, ground sparrows, magpies, crows and jays.

Social-Economic Effect:

An on the ground surface archaeological reconnaissance would be required prior to approval of the proposed action. Appropriate clearances would then be obtained from the surface managing agency. If an historic artifact, an archeological feature or site is discovered during construction operations, activity would cease until the extent, the scientific importance, and the method of mitigating the adverse effects could be determined by a qualified cultural resource specialist.

There are no occupied dwellings and other facilities of this nature in the general area. Minor distractions from aesthetics would occur over the lifetime of the project and are judged to be minor. All permanent facilities placed on the location should be painted a color to blend in with the natural environment. Present use of the area is grazing, recreation, and oil and gas activities.

Noise from the drilling operation may temporarily disturb wildlife and people in the area. Noise levels would be moderately high during drilling and completion operations. Upon completion, noise levels would be infrequent and significantly less. If the area is abandoned, noise levels should return to predrilling levels.

The site is not visible from any major roads. After drilling operations, completion equipment would be visible to passersby of the area but would not present a major intrusion.

The economic effect of one well would be difficult to determine. The overall effect of oil and gas drilling and production activity are significant in Uintah County. But should this well discover a significant new hydrocarbon source, local, state and possibly national economies might be improved. In this instance, other development wells would be anticipated, with substantially greater environmental and economic impacts.

Should the wellsite be abandoned, surface rehabilitation would be done according to the surface agency's requirements and U.S. Geological Survey's satisfaction. This would involve leveling, contouring, reseeding, etc., of the location and possibly the access road. If the well should produce hydrocarbons, measures would be undertaken to protect wildlife and domestic stock from the production equipment.

Land Use:

There are no national, state, or local parks, forests, wildlife refuges or ranges, grasslands, monuments, near the proposed location. The location lies within the BLM Vernal District preliminary roadless inventory area.

The proposed location is within the Book Cliffs Planning Unit (08-09). This Environmental Assessment Record was compiled by the Bureau of Land Management, the surface managing agency of the Federal surface in the area. The study includes additional information on the environmental impact of oil and gas operations in this area and gives land use recommendations. The EAR is on file in the agency's State offices and is incorporated herein by reference.

Waste Disposal:

The mud and reserve pits would contain all fluids used during the operations. A trash pit would be utilized for any solid wastes generated at the site and would be burned or buried at the completion of the operations. Sewage would be handled according to State sanitary codes. For further information, see the 13-Point Surface Plan.

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.

Under leasing provisions, the Geological Survey has an obligation to allow mineral development if the environmental consequences are not too severe or irreversible. Upon rehabilitation of the site, the environmental effects of this action would be substantially mitigated, if not totally annulled. Permanent damage to the surface and subsurface would be prevented as much as possible under the U.S. Geological Survey and other controlling agencies supervision with rehabilitation planning reversing almost all effects. Additionally, the growing scarcity of gas should be taken into consideration. Therefore, the alternative of not proceeding with the proposed action at this time is rejected.

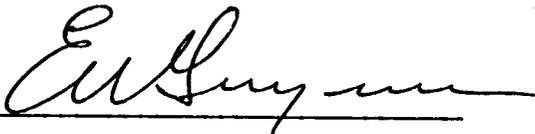
(2) Minor relocation of the wellsite access road or any special, restrictive stipulations or modifications to the proposed program would not significantly reduce the environmental impact. There are no severe vegetative, animal or archaeological-historical-cultural conflicts at the site. Since only a minor impact on the environment would be expected, the alternative of moving the location is rejected. At abandonment, normal rehabilitation of the area such as contouring, reseeding, etc., would be undertaken with an eventual return to the present status as outlined in the 13-Point Surface Plan.

Adverse Environmental Effects Which Cannot Be Avoided:

Surface disturbance and removal of vegetation from approximately 1.6 acres of land surface from the lifetime of the project which would result in increased and accelerated erosional potential. Grazing would be eliminated in the disturbed areas and there would be a minor and temporary disturbance of wildlife and livestock. Minor induced air pollution due to exhaust emissions from rig engines of support traffic engines would occur. Minor increase in dust pollution would occur due to vehicular traffic associated with the operation. If the well is a gas producer, additional surface disturbance would be required to install production pipelines. The potential for fires, leaks, spills of gas, oil or water would exist. During the construction and drilling phases of the project, noise levels would increase. Potential for subsurface damage to fresh water aquifers and other geologic formations exists. Minor distractions from aesthetics during the lifetime of the project would exist. If the well is a producer, an irreplaceable and irretrievable commitment of resources would be made. Erosion from the site would eventually be carried as sediment in the White River. The potential for pollution to the Bitter Creek would exist through leaks and spills.

Determination:

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



District Engineer
U. S. Geological Survey
Conservation Division
Oil and Gas Operations
Salt Lake City District

U.S. GEOLOGICAL SURVEY, CONSERVATION DIVISION

FROM: DISTRICT GEOLOGIST, SALT LAKE CITY, UTAH

TO: DISTRICT ENGINEER, SALT LAKE CITY, UTAH

Well	Location	Lease No.
TAIGA ENERGY, INC. #2	2222' FEL 71173' FNL (NW $\frac{1}{4}$ NE $\frac{1}{4}$) SEC. 35, T.13S., R.25E. SLM, Wintak, County, Utah	U-11156
Gr. EL. '7801'		
1. Stratigraphy and Potential Oil and Gas Horizons.	The well will commence in the Douglas Creek member of the Green River Formation. The Mancos "B" and Dakota Formation are expected to contain gas. Estimated tops by the operator appear reasonable (Mancos "B"-5580', Dakota 8230').	
2. Fresh Water Sands.	Fresh water sands could occur in the Green River Formation.	
3. Other Mineral Bearing Formations. (Coal, Oil Shale, Potash, Etc.)	Location falls within boundaries of lands considered valuable prospectively for solid and semi-solid hydrocarbons (gilsonite and tar sands). Also considered valuable prospectively for coal in the Mesaverde although coal if present will probably occur at depths in excess of 3500± ft.	
4. Possible Lost Circulation Zones.		
5. Other Horizons Which May Need Special Mud, Casing, or Cementing Programs.	Protect any fresh water aquifers penetrated.	
6. Possible Abnormal Pressure Zones and Temperature Gradients.	None anticipated by operator.	
7. Competency of Beds at Proposed Casing Setting Points.	Probably adequate.	
8. Additional Logs or Samples Needed.	Sonic and density logs through Mesaverde to delineate coals. Base of Mesaverde is estimated to be at 4300± ft. (Mesaverde thickness 900±)	
9. References and Remarks	Outside of KGS. USGS Prof. Paper 548, USGS MAP 001-153.	
Date:	7/11/78	Signed: R.E.G

Oil and Gas Drilling

EIA No. 1291

United States Department of the Interior
Geological Survey
8440 Federal Building
Salt Lake City, Utah 84138

Usual Environmental Analysis

Lease No. U-11666

Operator Taiga Energy, Inc.

Well No. 2 Rat Hole Canyon

Location 1661' FWL, 2363' FNL Sec. 22

T. 14S R. 25E

County Uintah State Utah

Field Wildcat

Status: Surface Ownership Public

Minerals Federal

Joint Field Inspection Date August 11, 1978

Participants and Organizations:

Steve Ellis

BLM

Kurt Tucker

BLM

Peter McDowell

Operator Representative

Ray Foster

USGS

Related Environmental Analyses and References:

- (1) Unit Resources Analysis Book Cliffs Planning Unit (08-09) BLM-Vernal, Utah
- (2)

Analysis Prepared by:

~~John T. Evans~~
Ray J. Foster
Environmental Scientist
Salt Lake City, Utah

Date August 16, 1978

NOTED JOHN T. EVANS, JR.

9/9/78 / 12

*Pad - 175 x 300
pit 125 x 150
Upgrade to 2.3 mi access
1.6 ac
No Sig. Impact
of Road Use Area*

Proposed Action:

On June 20, 1978 Taiga Energy, Inc. filed an Application for Permit to Drill the No. 2 Rat Hole Canyon exploratory well, a 4590-foot gas test of the Mancos Formation; located at an elevation of 7099 ft in the SE $\frac{1}{4}$, NE $\frac{1}{4}$ Sec. 22, T.14S, R.25E on Federal mineral lands and Public surface; Lease No.U-11666. There was no objection raised to the wellsite nor to the access road.

A rotary rig would be used for the drilling. An adequate casing and cementing program is proposed. Fresh-water sands and other mineral bearing formations would be protected. A Blowout Preventer would be used during the drilling of the well. The proposed pressure rating should be adequate. Details of the operator's NTL-6 10-Point Subsurface and 13-Point Surface Protection Plans are on file in the U.S.G.S. District Office in Salt Lake City, Utah, and the U.S.G.S. Northern Rocky Mountain Area Office in Casper, Wyoming.

A working agreement has been reached with the Bureau of Land Management the controlling surface agency who will supply supplemental stipulations for the roadless area. Rehabilitation plans would be decided upon as the well neared completion; the Surface Management Agency would be consulted for technical expertise on those arrangements.

The operator proposes to construct a drill pad 175 ft wide x 300 ft and a reserve pit 125 ft x 150 ft. and an upgrade of 2.3 miles access road from an existing and improved road. The operator proposes to construct production facilities on a disturbed area of the proposed drill pad. If production is established, plans for a gas flow line have been submitted to the appropriate agencies for approval. The anticipated starting date and duration of drilling activities are included in the operator's 10-Point Subsurface Protection Plan.

Location and Natural Setting:

The proposed drillsite is approximately 43 miles south of Bonanza, Utah, the nearest town. A poor road runs adjacent to the location. This well is a wild-cat.

Topography:

Mountain terrain dissected by numerous ridges and steep canyons of sandstones, conglomerates and shales. Location is on a ridge in relatively open area adjacent to an old road leading to a drill hole $\frac{1}{2}$ mile south.

Geology:

The surface geology is Green River. The soil is shaley sandy loam. No geologic hazards are known near the drillsite. Seismic risk for the area is minor. Anticipated geologic tops are filed with the 10-Point Subsurface Protection Plan.

Approval of the proposed action would be conditioned that adequate and sufficient electric/radioactive/density logging surveys would be made to locate and identify any potential mineral resources. Production casing and cementing would be adjusted to assure no influence of the hydrocarbon zones through the well bore on these minerals. In the event the well is abandoned, cement plugs will be placed with drilling fluid in the hole to assure protection of any mineral resources.

The potential for loss of circulation would exist. Loss of circulation may result in the lowering of the mud levels, which might permit exposed upper formations to blow out or to cause formation to slough and stick to drill pipe. A loss of circulation would result in contamination due to the introduction of drilling muds, mud chemicals, filler materials, and water deep into the permeable zone, fissures, fractures, and caverns within the formation in which fluid loss is occurring. The use of special drilling techniques, drilling muds, and lost circulation materials may be effective in controlling lost circulation.

A geologic review of the proposed action has been furnished by the Area Geologist, U.S. Geological Survey, Salt Lake City, Utah. The operator's drilling, cementing, casing and blowout prevention programs have been reviewed by the Geological Survey engineers and determined to be adequate.

Soils:

No detailed soil survey has been made of the project area. The top soils in the area range from a sandy clay to a clay type soil. The soil is subject to runoff from rainfall and has a high runoff potential and sediment production would be high. The soils are mildly to moderately alkaline and support the salt-desert shrub community. The pinon, juniper association is also present. Also present are pine trees.

Top soil would be removed from the surface and stockpiled. The soil would be spread over the surface of disturbed areas when abandoned to aid in rehabilitation of the surface. Rehabilitation is necessary to prevent erosion and encroachment of undesired species on the disturbed areas. The operator proposed to rehabilitate the location and access roads per the recommendations of the Bureau of Land Management.

Approximately 1.6 acres of land would be stripped of vegetation. This would increase the erosional potential. Proper construction practice, construction of water bars, regrading of slope-cut area would minimize this impact.

Air:

No specific data on air quality is available at the proposed location. There would be a minor increase in air pollution due to emissions from rig and support traffic engines. Particulate matter would increase due to dust from travel over unpaved dirt roads. The potential for increased air pollution due to leaks, spills, and fire would be possible.

Relatively heavy traffic would be anticipated during the drilling operations phase, increasing dust levels and exhaust pollutants in the area. If the well was to be completed for production, traffic would be reduced substantially to a maintenance schedule with a corresponding decrease of dust levels and exhaust pollutants to minor levels. If the project results in a dry hole, all operations and impact from vehicular traffic would cease after abandonment. Due to the limited number of service vehicles and limited time span of their operation, the air quality would not be substantially reduced.

Toxic or noxious gases would not be anticipated.

Precipitation:

Annual rainfall should range from about 8 to 14 inches at the proposed location. The majority of the numerous drainages in the surrounding area are of a nonperennial nature flowing only during early spring runoff and during extremely heavy rain storms. This type of storm is rather uncommon as the normal annual precipitation is around 10 inches.

Winds are medium to strong and gusty, occurring predominately from west to east. Air mass inversions are rare.

The climate is semi-arid with abundant sunshine, hot summers and cold winters with temperature variations on a daily and seasonal basis.

Surface Water Hydrology:

Drainage is to the west into Rat Hole Canyon that feeds Bitter Creek which in turn supplies the White River to the north.

Some additional erosion would be expected in the area since surface vegetation would be removed. If erosion became serious, drainage systems such as water bars and dikes would be installed to minimized the problem. The proposed project should have minor impact on the surface water systems.

The potentials for pollution would be present from leaks or spills. The operator is required to report and clean up all spills or leaks.

Ground Water Hydrology:

Some minor pollution of ground water systems would occur with the introduction of drilling fluids (filtrate) into the aquifer. This is normal and unavoidable during rotary drilling operations. The potential for communication, contamination and commingling of formations via the well bore would be possible. The drilling program is designed to prevent this. There is need for more data on hydrologic systems in the area and the drilling of this well may provide some basis information as all shows of fresh water would be reported. Water production with the gas would require disposal of produced water per the requirement of NLT-2B.

The depths of fresh water formations are listed in the 10-Point Sub-surface Protection Plan. There would be no tangible effect on water migration in fresh-water aquifers. The pits would be unlined. If fresh water should be available from the well, the owner or surface agency may request completion as a water well if given approval.

Vegetation:

Plants in the area are of the salt-desert-shrub types grading to the pinon-juniper association. Pine trees are also present.

Proposed action would remove about 1.6 acres of vegetation. Removal of vegetation would increase the erosional potential and there would be a minor decrease in the amount of vegetation available for grazing.

The operator proposes to rehabilitate the surface upon completion of operations.

Wildlife:

Animal and plant inventory has been made by the BLM. No endangered plants or animals are known to habitat on the project area. The fauna of the area consists predominately of the mule deer, coyotes, rabbits, and varieties of small ground squirrels and other types of rodents and various types of reptiles. The area is used by man for the primary purpose of grazing domestic livestock and sheep. The birds of the area are raptors, finches, ground sparrows, magpies, crows and jays.

Social-Economic Effect:

An on the ground surface archaeological reconnaissance would be required prior to approval of the proposed action. Appropriate clearances would then be obtained from the surface managing agency. If an historic artifact, an archeological feature or site is discovered during construction operations, activity would cease until the extent, the scientific importance, and the method of mitigating the adverse effects could be determined by a qualified cultural resource specialist.

There are no occupied dwellings and other facilities of this nature in the general area. Minor distractions from aesthetics would occur over the lifetime of the project and are judged to be minor. All permanent facilities placed on the location should be painted a color to blend in with the natural environment. Present use of the area is grazing, recreation, and oil and gas activities.

Noise from the drilling operation may temporarily disturb wildlife and people in the area. Noise levels would be moderately high during drilling and completion operations. Upon completion, noise levels would be infrequent and significantly less. If the area is abandoned, noise levels should return to predrilling levels.

The site is not visible from any major roads. After drilling operations, completion equipment would be visible to passersby of the area but would not present a major intrusion.

The economic effect of one well would be difficult to determine. The overall effect of oil and gas drilling and production activity are significant in Uintah County. But should this well discover a significant new hydrocarbon source, local, state and possibly national economies might be improved. In this instance, other development wells would be anticipated, with substantially greater environmental and economic impacts.

Should the wellsite be abandoned, surface rehabilitation would be done according to the surface agency's requirements and U.S. Geological Survey's satisfaction. This would involve leveling, contouring, reseeding, etc., of the location and possibly the access road. If the well should produce hydrocarbons, measures would be undertaken to protect wildlife and domestic stock from the production equipment.

Land Use:

There are no national, state, or local parks, forests, wildlife refuges or ranges, grasslands, monuments, near the proposed location. The location is within the BLM Vernal District preliminary roadless inventory area.

The proposed location is within the Book Cliffs Planning Unit (08-09). This Environmental Assessment Record was compiled by the Bureau of Land Management, the surface managing agency of the Federal surface in the area. The study includes additional information on the environmental impact of oil and gas operations in this area and gives land use recommendations. The EAR is on file in the agency's State offices and is incorporated herein by reference.

Waste Disposal:

The mud and reserve pits would contain all fluids used during the operations. A trash pit would be utilized for any solid wastes generated at the site and would be burned or buried at the completion of the operations. Sewage would be handled according to State sanitary codes. For further information, see the 13-Point Surface Plan.

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.

Under leasing provisions, the Geological Survey has an obligation to allow mineral development if the environmental consequences are not too severe or irreversible. Upon rehabilitation of the site, the environmental effects of this action would be substantially mitigated, if not totally annulled. Permanent damage to the surface and subsurface would be prevented as much as possible under the U.S. Geological Survey and other controlling agencies supervision with rehabilitation planning reversing almost all effects. Additionally, the growing scarcity of gas should be taken into consideration. Therefore, the alternative of not proceeding with the proposed action at this time is rejected.

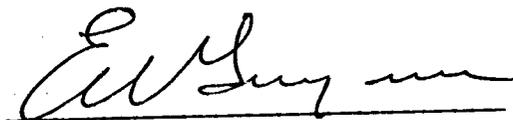
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Determination:

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



District Engineer
U. S. Geological Survey
Conservation Division
Oil and Gas Operations
Salt Lake City District

see EA 1291 Supp.



United States Department of the Interior

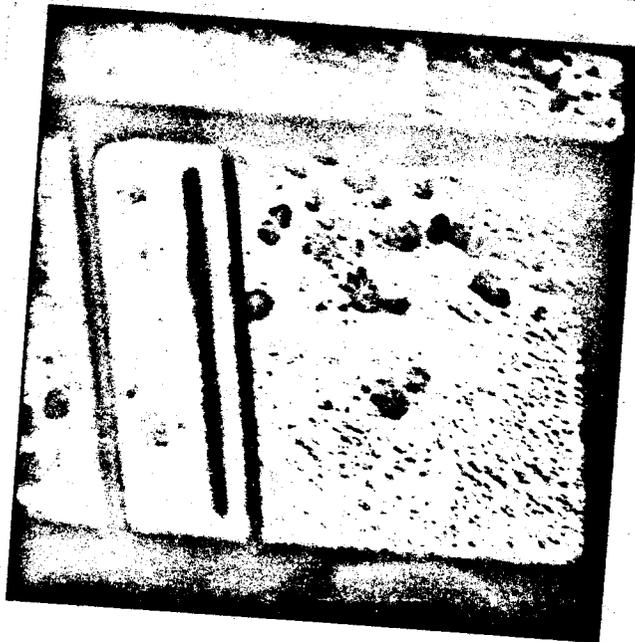
GEOLOGICAL SURVEY

EA # 1291 Supp

THE area of the proposed action has been inventoried for roadless and wilderness characteristics by the Bureau of Landmanagement, the surface managing agency. The Bureau of Land Management has determined the proposed action would not affect a 5,000- acre roadless area or potential wilderness area.

There are no known roadless or wilderness areas managed by other agencies contiguous to the proposed action.

Please refer to the BLM letter of conditions of approval.



STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

** FILE NOTATIONS **

Date: June 20 -
Operator: Alta Energy, Casaca
Well No: Dry Burn Unit 2
Location: Sec. 35 T. 13S R. 23E County: Uintah

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

API NUMBER: 13-004-30005

CHECKED BY:

Administrative Assistant [Signature]
Remarks: Old Unit full
Petroleum Engineer [Signature]
Remarks:
Director [Signature]
Remarks:

INCLUDE WITHIN APPROVAL LETTER:

Bond Required: [Signature] Survey Plat Required:
Order No. Surface Casing Change
to

Rule C-3(c), Topographic exception/company owns or controls acreage
within a 660' radius of proposed site

O.K. Rule C-3 O.K. In Dry Burn Unit
Other:

Letter Written/Approved

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
Taiga Energy, Inc.

3. ADDRESS OF OPERATOR
718 17th Street Suite 630 Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface 2222' FEL, 1173' FNL Section, 35, T13S, R25E

At proposed prod. zone Same 22 (See Survey Plot)

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
36 miles to Bonanza, Utah

10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)
1173'

16. NO. OF ACRES IN LEASE
2560

17. NO. OF ACRES ASSIGNED TO THIS WELL
160

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

19. PROPOSED DEPTH
6130'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
7801' ungr.

22. APPROX. DATE WORK WILL START*
July 15, 1978

5. LEASE DESIGNATION AND SERIAL NO.
U-11155 U-11156
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
Dry Burn
8. FARM OR LEASE NAME
Pacific Transmission Supply Company Dry Burn Unit
9. WELL NO.
2
10. FIELD AND POOL, OR WILDCAT
Wildcat
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SWNE Sec. 35, T13S, R25E
12. COUNTY OR PARISH
Uintah
13. STATE
Utah



State of Utah, Department of Natural Resources
Division of Oil, Gas, and Mining
1588 West North Temple
Salt Lake City, Utah 84116

NOTICE OF APPROVAL

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give blowout 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 [Signature] TITLE Operations Manager DATE 6/15/78

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY [Signature] TITLE ACTING DISTRICT ENGINEER DATE SEP 07 1978

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

State - DOMS

Specific Plans and Exceptions

**12 Point Surface Use Program for Multi-Well
Program**

Dry Burn # 2

1. Existing Roads

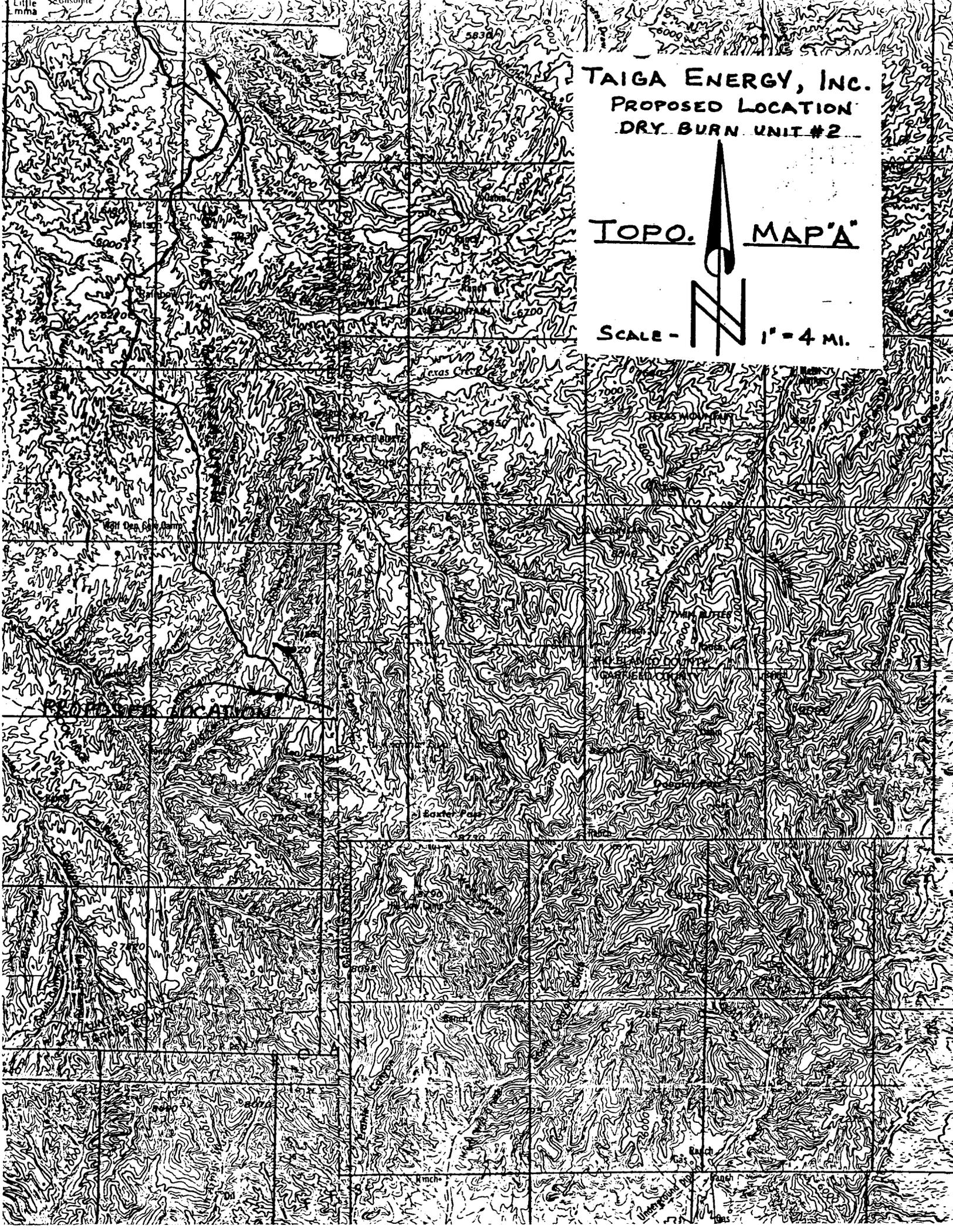
Proceed south from Bonanza, Utah 35.7 miles along Atchee Ridge Road. From this point, approximately .3 miles of new access road will need to be built to reach the Dry Burn # 2 location in the Northeast quarter of Section 35.

2. Planned Access Road

The access road will be approximately .3 miles in length and will comply with the general specifications as outlined.

3. Location of Existing Wells

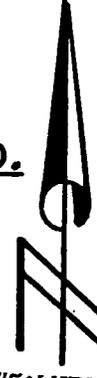
There are no other wells within a two mile radius of the proposed wellsite.



TAIGA ENERGY, INC.
PROPOSED LOCATION
DRY BURN UNIT #2

TOPO. MAP A

SCALE - 1" = 4 MI.



PROPOSED LOCATION

DRY BURN UNIT #2

Texas Creek

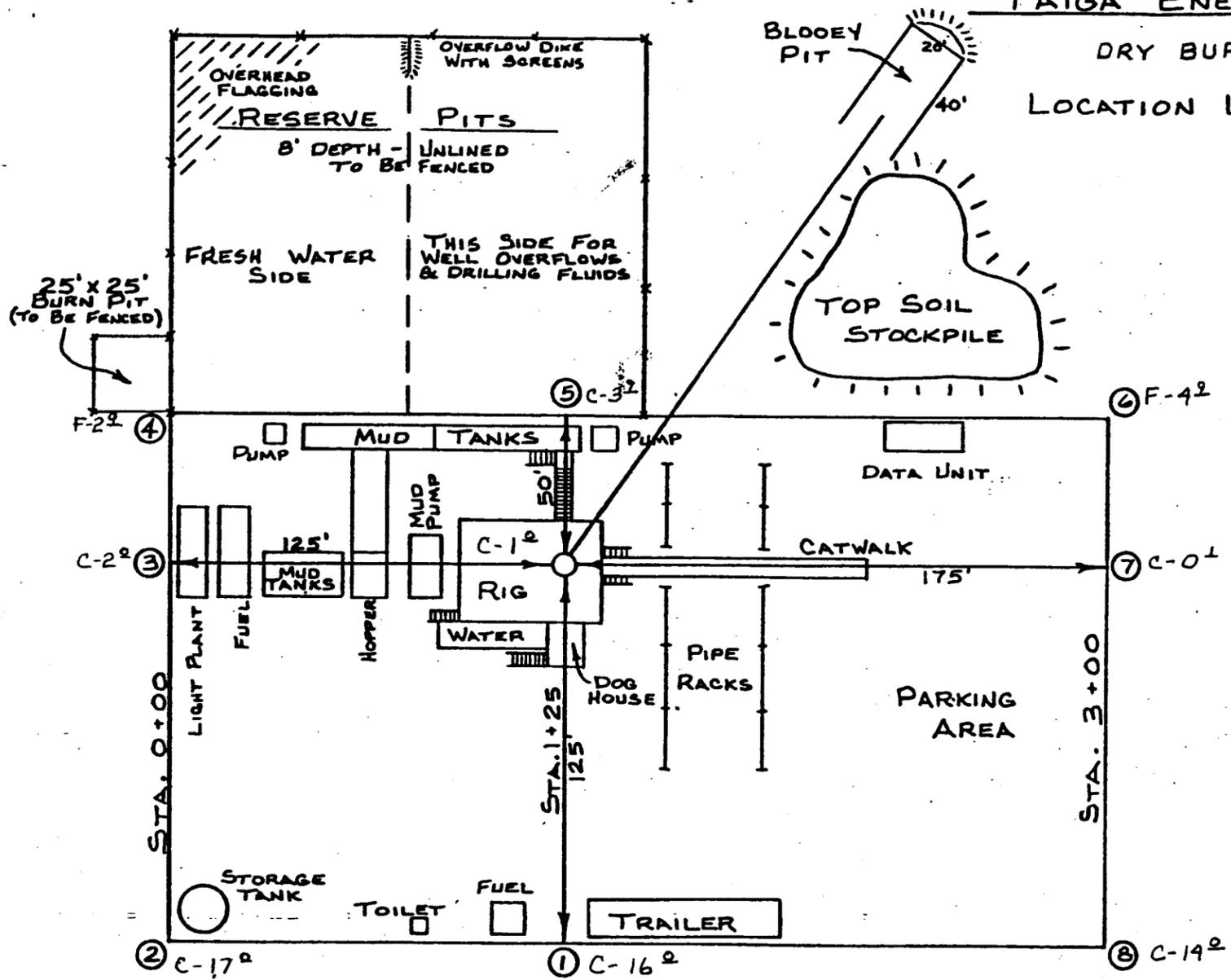
Easton

1 inch

1985

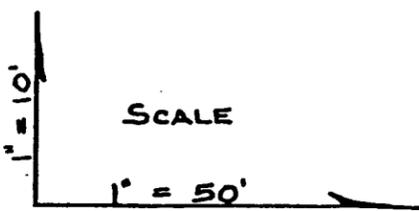
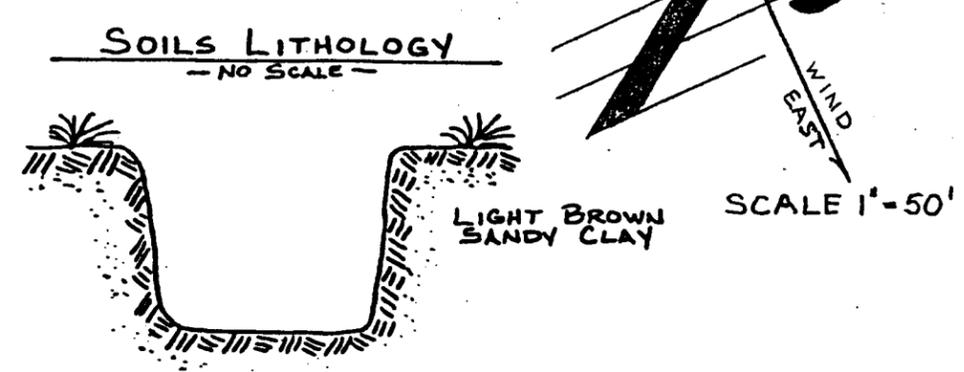
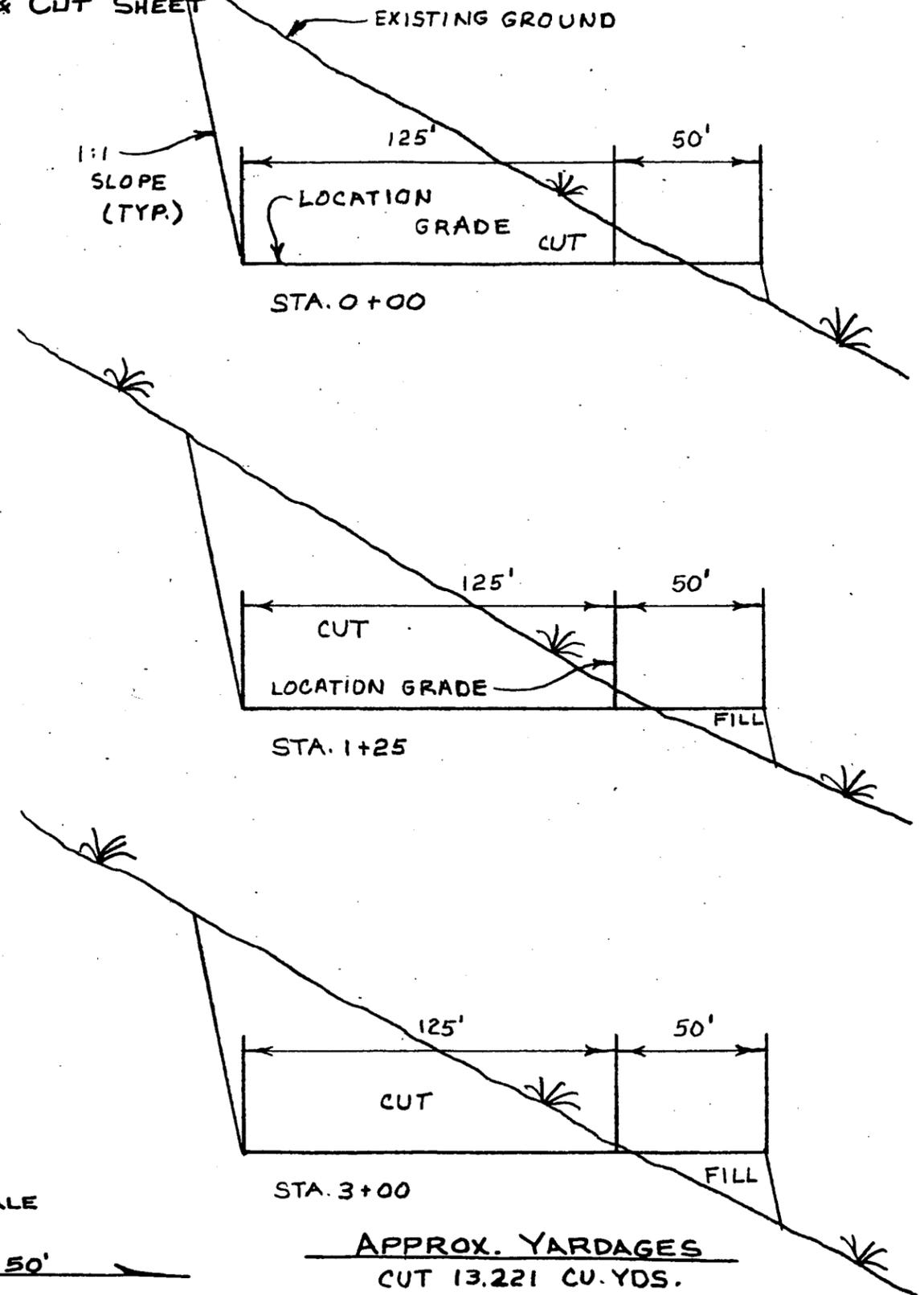
TAIGA ENERGY, INCORPORATED

DRY BURN UNIT #2
LOCATION LAYOUT & CUT SHEET



C
R
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C
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N
S



APPROX. YARDAGES
CUT 13,221 CU. YDS.
FILL 1,028 CU. YDS.



SCOTT M. MATHESON
Governor

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

CLEON B. FEIGHT
Director

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771
February 22, 1980

OIL, GAS, AND MINING BOARD

CHARLES R. HENDERSON
Chairman

JOHN L. BELL
C. RAY JUVELIN
THADIS W. BOX
CONSTANCE K. LUNDBERG
EDWARD T. BECK
E. STEELE McINTYRE

Coseka Resources Ltd.
718 17th Street
Suite 630
Denver, Colorado 80202

RE: Well No. Dry Burn Unit #2
Sec. 35, T. 13S, R. 25E, Uintah County

Well No. Black Horse Canyon #3
Sec. 9, T. 15S, R. 24E, Uintah County

See enclosed copy

Gentlemen:

In reference to above mentioned wells, considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill these wells, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If we do not hear from your company within fifteen (15) days, we will assume you do not intend to drill this well, and action will be taken to terminate the applications. If you plan on drilling these wells at a later date, please notify as such.

Your prompt attention to the above will be greatly appreciated.

Very Truly yours,

DIVISION OF OIL, GAS, AND MINING

JANICE TABISH
CLERK TYPIST



SCOTT M. MATHESON
Governor

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

CLEON B. FEIGHT
Director

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
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E. STEELE McINTYRE

Re: Well No. Black Horse Canyon #4
Sec. 8, T. 15S, R. 24E, Uintah County

Well No. Rat Hole Canyon #2
Sec. 22, T. 14S, R. 25E, Uintah County

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

5. LEASE DESIGNATION AND SERIAL NO.

U-11156

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

Dry Burn

8. FARM OR LEASE NAME
Pacific Transmission Supply
Dry Burn Unit

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

SW NE

Sec. 35-T13S-R25E

12. COUNTY OR PARISH 13. STATE

Uintah

Utah

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Coseka Resources (U.S.A.) Limited

3. ADDRESS OF OPERATOR
718 17th St. #630, Denver, Colorado 80202

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

2222' FEL, 1173' FNL Section 35-T13S-R25E

0073

14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, OR, etc.)
7801' Gr.

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) Operations
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.)*

- 9-15-78 Spudded well. Set 9-5/8" surface pipe at 209'. Cemented with 100 sacks.
- 9-29-78 Reached T.D. of 6120'.
- 9-39-78 Ran 5-1/2" 15.5 & 17# casing, set @ 6057'. Cemented with 450 sacks. Released rig.
- 10-01-78 to 3-1-80 Operations temporarily suspended. Waiting on completion unit.

RECEIVED

MAR 5 1980

DIVISION OF OIL, GAS & MINING

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

SIGNED S. L. Wilkinson TITLE Chief Engineer

DATE 3/3/80

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

October 29, 1980

Cosoka Resources, Ltd.
718 17th St., Suite 630
Denver, Colo. 80202

RE: Well No. Dry Burn Unit #2
Sec. 35, T. 13S, R. 25E,
Uintah County, Utah

Gentlemen:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above mentioned well(s) is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3, in duplicate, and forward them to this office as soon as possible.

q Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

Debbie Beauregard

DEBBIE BEAUREGARD
CLERK-TYPIST

STATE OF UTAH

(See other instructions on reverse side)

OIL & GAS CONSERVATION COMMISSION

2

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
Coseka Resources (U.S.A.) Limited

3. ADDRESS OF OPERATOR
718 17th St. #630, Denver, CO 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 2222' FEL & ³³⁷³ ~~1173~~ FNL Sec. 35-T13S-R25E, Uintah Co., Utah
At top prod. interval reported below

At total depth

14. PERMIT # API # DATE ISSUED
43-047-30445 6/20/78

5. LEASE DESIGNATION AND SERIAL NO.
U-11156

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Dry Burn

8. FARM OR LEASE NAME
Dry Burn Unit

9. WELL NO.
2

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
SW SW NE
Sec. 35-T13S-R25E

12. COUNTY OR PARISH
13. STATE
Uintah Utah

15. DATE SPUDDED 9/15/79 16. DATE T.D. REACHED 9/30/79 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, R&B, RT, GR, ETC.)* 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 6120' 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY → Yes 24. ROTARY TOOLS 25. CABLE TOOLS -

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

26. TYPE ELECTRIC AND OTHER LOGS RUN CNL-FDC-GR; DIL 27. WAS WELL CORRED No

28. CASING RECORD (Report all strings set in well) Table with columns: CASING SIZE, WEIGHT, LB./FT., DEPTH SET (MD), HOLE SIZE, CEMENTING RECORD, AMOUNT PULLED

29. LINER RECORD Table with columns: SIZE, TOP (MD), BOTTOM (MD), SACKS CEMENT*, SCREEN (MD) 30. TUBING RECORD Table with columns: SIZE, DEPTH SET (MD), PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. Table with columns: DEPTH INTERVAL (MD), AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION Table with columns: DATE FIRST PRODUCTION, PRODUCTION METHOD, WELL STATUS (Producing or shut-in) SI, DATE OF TEST, HOURS TESTED, CHOKER SIZE, PROD'N. FOR TEST PERIOD, OIL—BBL., GAS—MCF., WATER—BBL., GAS-OIL RATIO

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

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED S. I. Wilkinson TITLE Operations Manager DATE 11/13/80

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

(OVER)

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 obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 38, 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.)

*This well is presently waiting on completion unit.

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		38. GEOLOGIC MARKERS	
FORMATION	TOP	DESCRIPTION, CONTENTS, ETC.	TOP
			MEAS. DEPTH
			TRUE VERT. DEPTH
Mancos B	5054	5558	3828 3900 4065 5054
		<div style="border: 1px solid black; padding: 5px; display: inline-block;"> <p style="margin: 0;">NEGATIVE</p> <p style="margin: 0;">NOV 24 1953</p> <p style="margin: 0; font-size: small;">DIVISION OF OIL, GAS & MINING</p> </div>	Name Sego Buck Tongue Castlegate Mancos "B"



COSEKA RESOURCES (U.S.A.) LIMITED

718 17th STREET, SUITE #630, DENVER, COLORADO 80202 (303) 573-6178

November 19, 1980

State of Utah
Division of Oil, Gas & Mining
1588 West, North Temple
Salt Lake City, Utah 84116

Re: Dry Burn Unit #2
SW SW NE Sec. 35-T13S-R25E
Uintah County, Utah

Gentlemen:

Enclosed, in duplicate, is the Well Completion Report for the above referenced well.

Thank you.

Very truly yours,

COSEKA RESOURCES (U.S.A.) LIMITED

Brenda Groghan
Production Secretary

/bg

Enclosures

RECEIVED

NOV 24 1980

DIVISION OF
OIL, GAS & MINING



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

090802

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

September 3, 1986

Coseka Resources USA Ltd.
200 Wrtr Square 1512 Larimer
Denver, Colorado 80202-1602

Gentlemen:

Re: Well No. Dry Burn Unit #2 - Sec. 35, T. 13S., R. 25E.,
Uintah County, Utah - API #43-047-30445

Thank you for the notation on the June 1986 production report (copy attached) advising that the above referenced well was plugged and abandoned on September 5, 1985. The usual notice of intent and subsequent report for the action was apparently not submitted to this office, and we respectfully request that a copy of at least the subsequent sundry be submitted for the record.

Please provide the requested report at your earliest convenience, but not later than September 30, 1986. It should be mailed to the following address:

Division of Oil, Gas and Mining
Attention: Suspense File - Norm Stout
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Respectfully,

Norman C. Stout
Administrative Assistant

pk
cc: Dianne R. Nielson
Ronald J. Firth
John R. Baza
File

0431S/15

Specific Plans and Exceptions

10 Point Plan

Dry Burn # 2

2. The estimated tops of important geological markers with depths calculated from an estimated RKB elevation of 7801' are as follows:

Mancos	4300'
Castlegate SS	4660'
Mancos "B"	5580'
Base Mancos "B"	6030'
Dakota	8230'
Total Depth	6130'

10. It is anticipated that this will be commenced approximately July 15, 1978 and that the operations will last two weeks.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLI
(Other instructions
verse side)

092514

Budget Base FY 1984-1985
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL
U-11155

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

COSEKA RESOURCES (U.S.A.) LIMITED

3. ADDRESS OF OPERATOR

1512 Larimer Street, Suite 200, Denver, Colorado 80202

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

2222' FEL & 1173' FNL of Section 35-T13S-R25E
2013

7. UNIT AGREEMENT NAME

Dry Burn

8. FARM OR LEASE NAME

Pacific Trans. Supply Co.
Dry Burn Unit

9. WELL NO.

2-35-13-25

10. FIELD AND POOL OR WILDCAT

Wildcat

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

Section 35-T13S-R25E

12. COUNTY OR PARISH 13. STATE

Uintah

Utah

14. PERMIT NO

43-047-30445

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

7801' Ungr

16.

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETION

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT

REPAIR WELL

CHANGE PLANS

(Other)

(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 perti-
nent to this work.)*

- 1) Spotted a 350' cement plug from 5250' to 5600' across Mancos perms.
- 2) Circulated hole with 9# mud.
- 3) Cut and pulled 2982' of 5 1/2" casing.
- 4) Spotted a 200' cement plug from 2880' to 3080', 100' in and out of 5 1/2" casing stub.
- 5) Tagged plug at 2855'.
- 6) Spotted a 200' cement plug from 1900' to 2100'.
- 7) Spotted a 200' cement plug from 109' to 309', 100' in and out of 9 5/8" casing shoe.
- 8) Spotted 50' cement plug at surface.
- 9) Erected dry hole marker and cleaned location.

RECEIVED
SEP 22 1986

DIVISION OF
OIL, GAS & MINING

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

SIGNED

Terry J. Lee

TITLE

District Superintendent

DATE

10-23-85

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side