UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG _____ ELECTRIC LOGS _____ FILE X WATER SANDS _____ LOCATION INSPECTED _____ SUB. REPORT/abd _____

* Location Abandoned - well never drilled - Feb 8, 1982

DATE FILED: 2-4-81

LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. U-42598 INDIAN

DRILLING APPROVED: 2-17-81 Gas Well

SPUDDED IN:

COMPLETED: PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED: LA Feb 8, 1982

FIELD: ~~Wildcat~~ 3/86 Undesignated

UNIT:

COUNTY: Grand

WELL NO. Nataro #19-4 API NO. 43-019-30778

LOCATION 822' FT. FROM (N) (S) LINE. X 1394' FT. FROM (E) (W) LINE. X NE NW 1/4 — 1/4 SEC. 19

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
				17S	24E	19	TENNECO OIL COMPANY

United States Department of the Interior

IN REPLY REFER TO
3100
(U-603)

BUREAU OF LAND MANAGEMENT
Moab District
Grand Resource Area
P.O. Box M
Moab, Utah 84532

Oct. 16, 1980

M.L. Freeman
Tenneco Oil Co.
Penthouse
720 South Colorado Blvd.
Denver, CO 80222

Reference: Staking Request (PER)
Well: 19-3 TOC Notaro USA
Section 19, T. 17 S., R. 24 E.
Grand County, Utah

Dear Mr. Freeman:

This office has no objections to staking the above referenced locations. Would you include your bond number when submitting your application to drill. In addition you should be knowledgeable that Grand County requires a permit if you plan to use a county road as a portion of your access road. You should contact the Grand County Road Supervisor. An archaeological clearance must be obtained after staking the site(s).

Sincerely yours,

M. Scott Packer

M. Scott Packer
Acting Area Manager

RECEIVED
OCT 22 1980
TENNECO
DENVER

NICKENS and ASSOCIATES
P.O. Box 727
Montrose, Colorado 81401
Phone: (303) 249-3411

January 12, 1981

Mr. M. L. Freeman
Tenneco Oil Exploration and Production
P.O. Box 3249
Englewood, CO 80155

Dear Mr. Freeman:

Our personnel have completed a cultural resource inspection of Tenneco Notaro USA 19-4, Location "A", as requested by Armstrong Engineering of Grand Junction, Colorado. The proposed location is found in Grand County, Utah. Inspection of the staked access and pad area revealed no prehistoric or historic resources within the proposed impact areas. Hence, a recommendation that no further cultural resource consideration is necessary for the Notaro USA 19-4 location. Copies of the Summary Report have been forwarded to the appropriate Federal review offices. A copy of the report for your files is attached, along with an invoice to cover the work.

Thank you.

Sincerely,

Paul R. Nickens

Paul R. Nickens, Ph.D.
Principal Investigator

PRN/j
Enclosures

cc: BLM Grand Resource Area Office
BLM Moab District Office
BLM Utah State Office
U.S. Geological Survey

Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

3

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.: U-42598

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [ ] GAS WELL [X] OTHER — SINGLE ZONE [X] MULTIPLE ZONE [ ]

8. FARM OR LEASE NAME: Nataro

2. NAME OF OPERATOR: Tenneco Oil Company

9. WELL NO.: 19-4

3. ADDRESS OF OPERATOR: P.O. Box 3249, Englewood, Colorado 80155

10. FIELD AND POOL, OR WILDCAT: Wildcat ~~Bryson Canyon~~, Dakota

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: 822 FNL, 1394 FWL NE NW
At proposed prod. zone: same as above

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 19, T17S, R24E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: Approximately 17 miles NW of Westwater, Utah

12. COUNTY OR PARISH: Grand — 13. STATE: Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)	16. NO. OF ACRES IN LEASE	17. NO. OF ACRES ASSIGNED TO THIS WELL
822'	491.74	320
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	**19. PROPOSED DEPTH**	**20. ROTARY OR CABLE TOOLS**
	±4910'	Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 5510' GR

22. APPROX. DATE WORK WILL START*: Feb./March 1981

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8 3/4"	7" new	23#	±1100'	Circulate to surface
6 1/4"	4 1/2" new	10.5#	±4910'	Cover all productive zones

Set 1-3 joints 9 5/8" casing as needed to be used as conductor pipe.

See attached.

Archaeological clearance recommendation attached.

Pre-stake approval attached.

RECEIVED
FEB 4 1981
DIVISION OF
OIL, GAS & MINING

cc Glen Doyle, U.S.G.S., Grand Junction, Colorado
cc Elmer Duncan, U.S.B.L.M., Moab, Utah

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.A. Mishler — TITLE Sr. Production Analyst — DATE February 2, 1981

(This space for Federal or State office use)

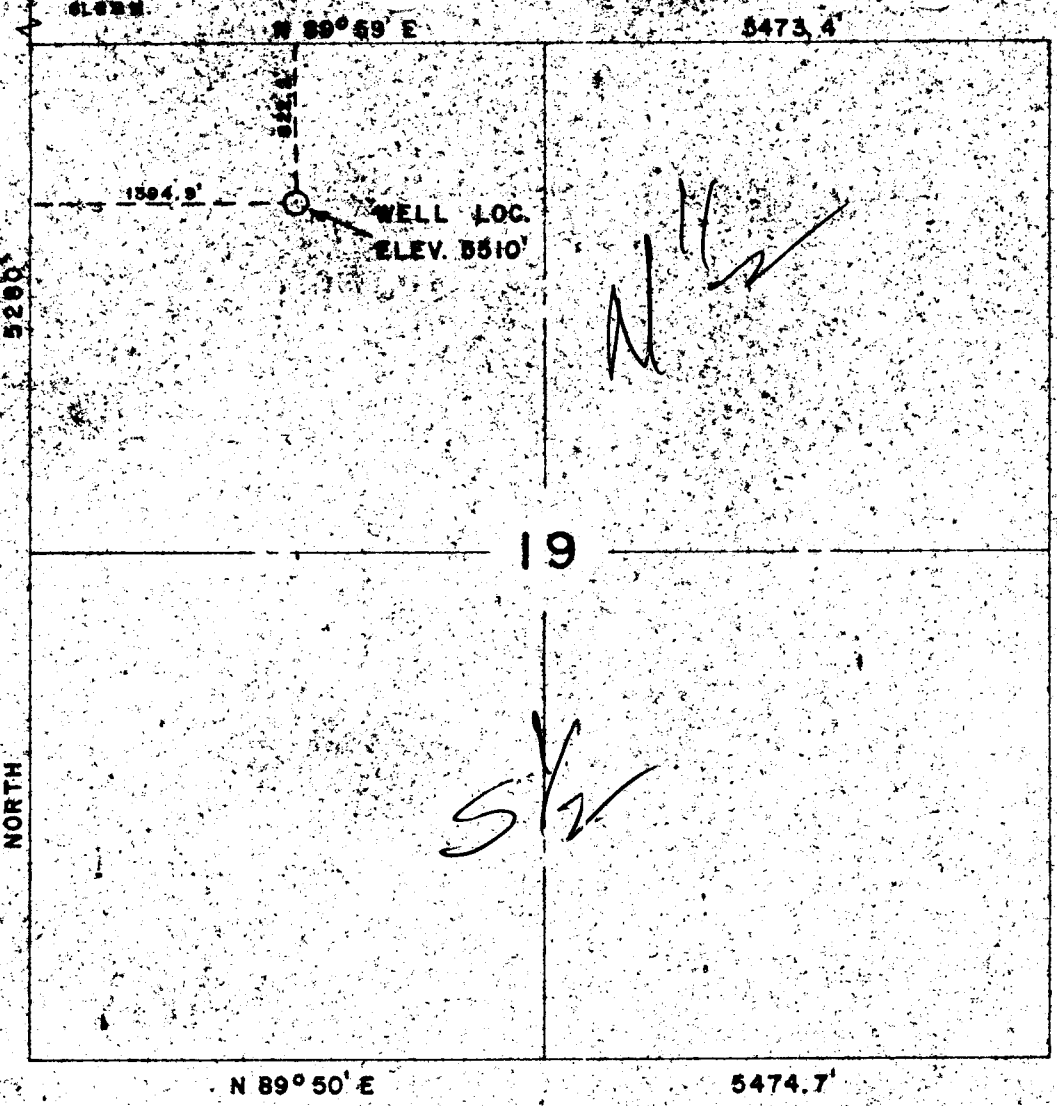
PERMIT NO. _____ APPROVAL DATE _____

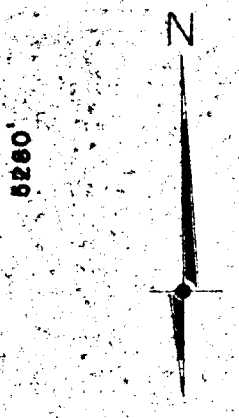
APPROVED BY _____ TITLE _____ DATE _____

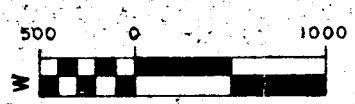
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

APPROVED BY THE DIVISION
OF OIL, GAS, AND MINING
DATE: 2-17-81
BY: M. J. Minder







LEGEND

FD. U.S.G.L.O BRASS CAP

BASIS OF BEARING: Solar Observation

WELL LOCATION

822.2 FT. S.N.L. – 1394.9 FT. E.W.L.
SECTION 19, T.17S., R.24E., S.L.B.&M.
GRAND COUNTY, UTAH

SURVEYOR'S CERTIFICATE

I, Edward A. Armstrong, a registered land surveyor in the State of Utah, do hereby certify that this survey was made under my direct supervision and that this plat represents said survey.

REGISTERED LAND SURVEYOR 4464 EDWARD A. ARMSTRONG STATE OF UTAH

Edward A. Armstrong

EDWARD A. ARMSTRONG, P.E. & L.S. 4464

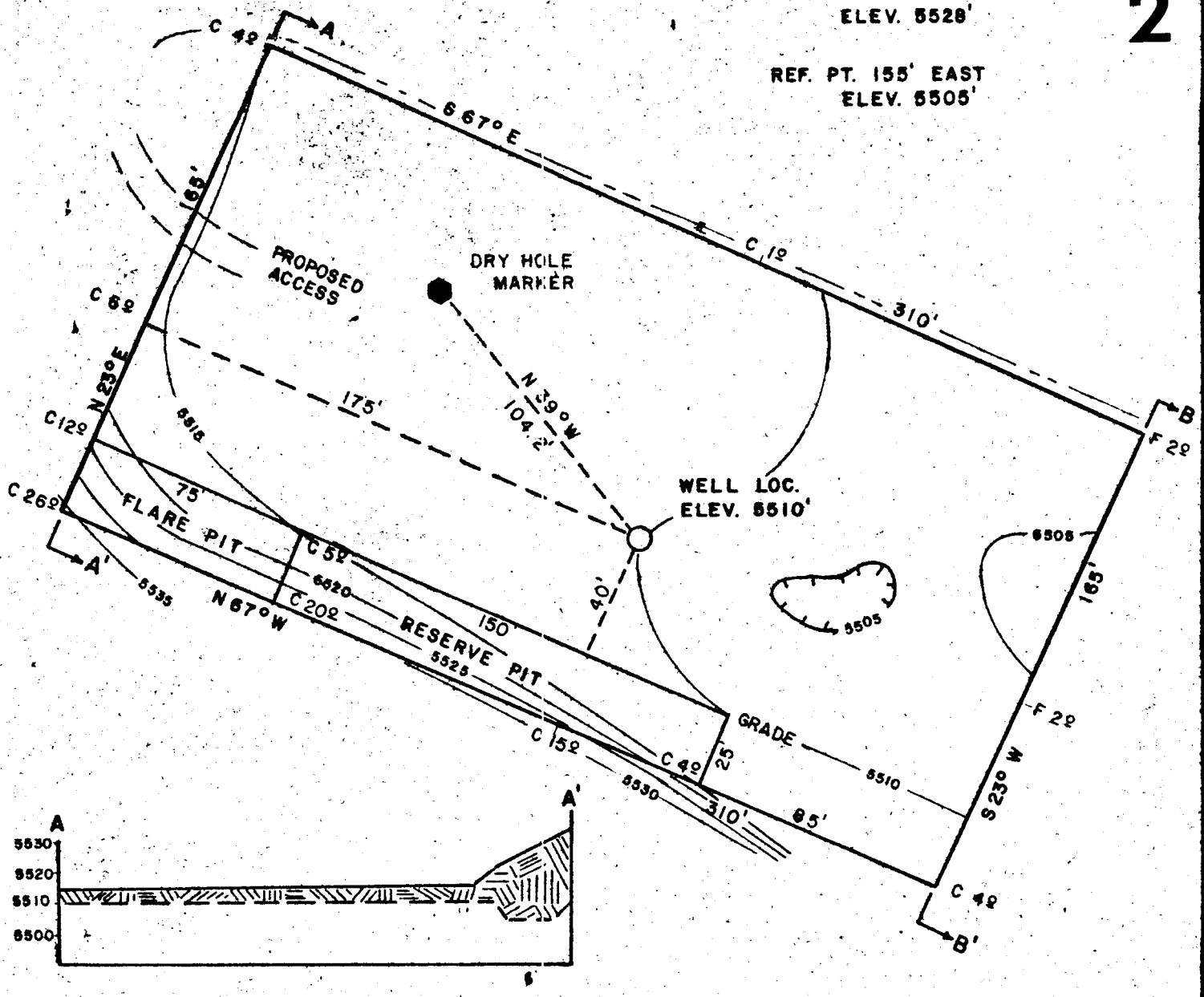
ARMSTRONG ENGINEERS and ASSOCIATES, INC.
ENGINEERING • SURVEYING • SOILS AND CONCRETE TESTING
861 ROOD AVENUE – GRAND JUNCTION, COLORADO 81501 – (303) 245-3861

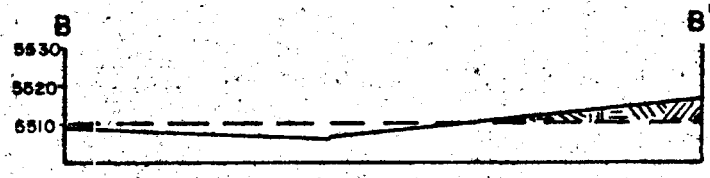
SCALE	1"=1000'
DATE	12/23/80
DRAWN BY	LHS
CHECKED BY	EAA
DATE OF SURVEY	12/03/80

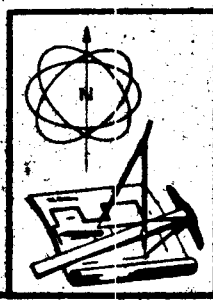
TENNECO OIL
TENNECO NOTARO USA 19-4

SHEET 1 of 5

JOB NUMBER 803042







ARMSTRONG ENGINEERS and ASSOCIATES, INC.
ENGINEERING • SURVEYING • SOILS AND CONCRETE TESTING
861 ROOD AVENUE – GRAND JUNCTION, COLORADO 81501 – (303) 245-3861

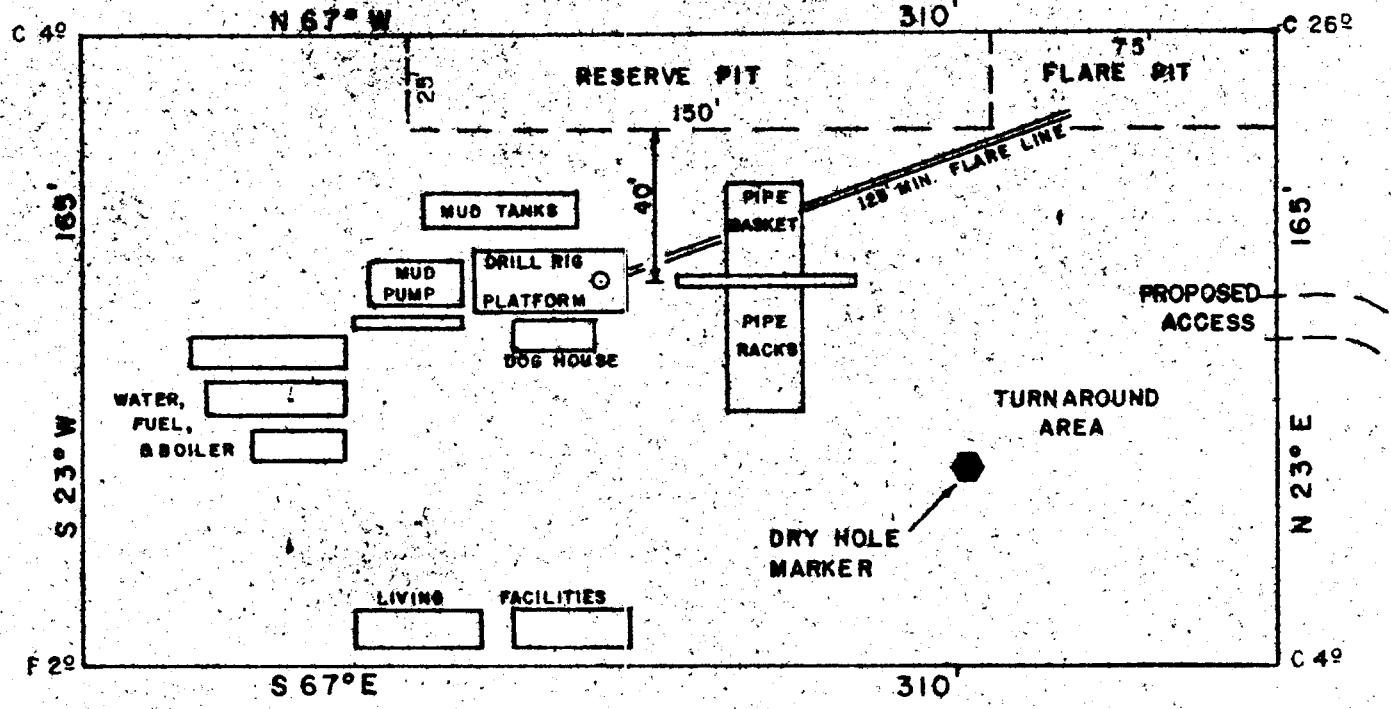
SCALE	1" = 50'
DATE	12/23/80
DRAWN BY	LHS
CHECKED BY	EAA
DATE OF SURVEY	12/03/80

TENNECO OIL
TENNECO NOTARO USA 19-4

SHEET 2 of 5

JOB NUMBER 803042

RIG LAYOUT



25' 0 50'

SCALE: 1" = 50'

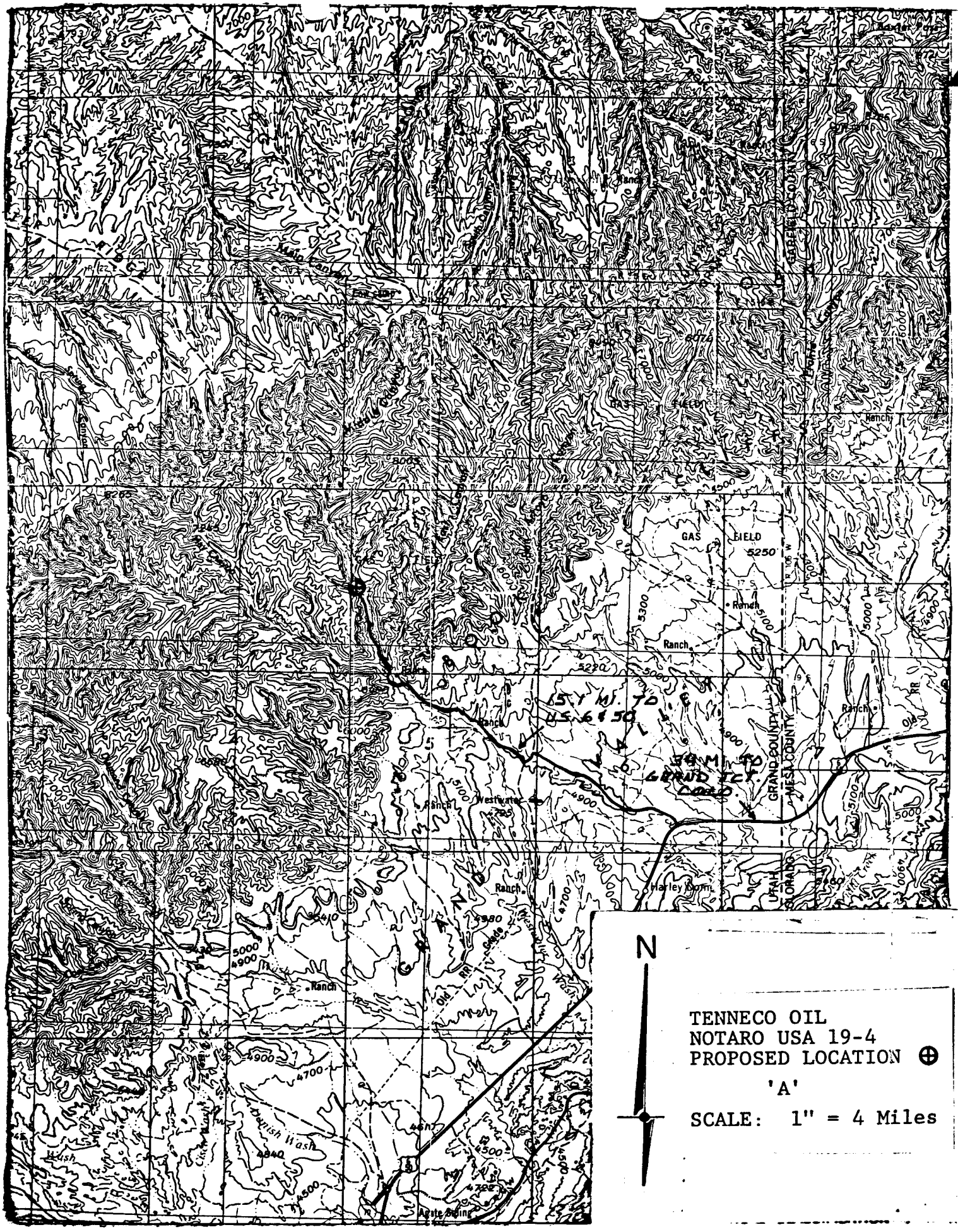
ARMSTRONG ENGINEERS and ASSOCIATES, INC.
ENGINEERING • SURVEYING • SOILS AND CONCRETE TESTING
861 ROOD AVENUE – GRAND JUNCTION, COLORADO 81501 – (303) 245-3861

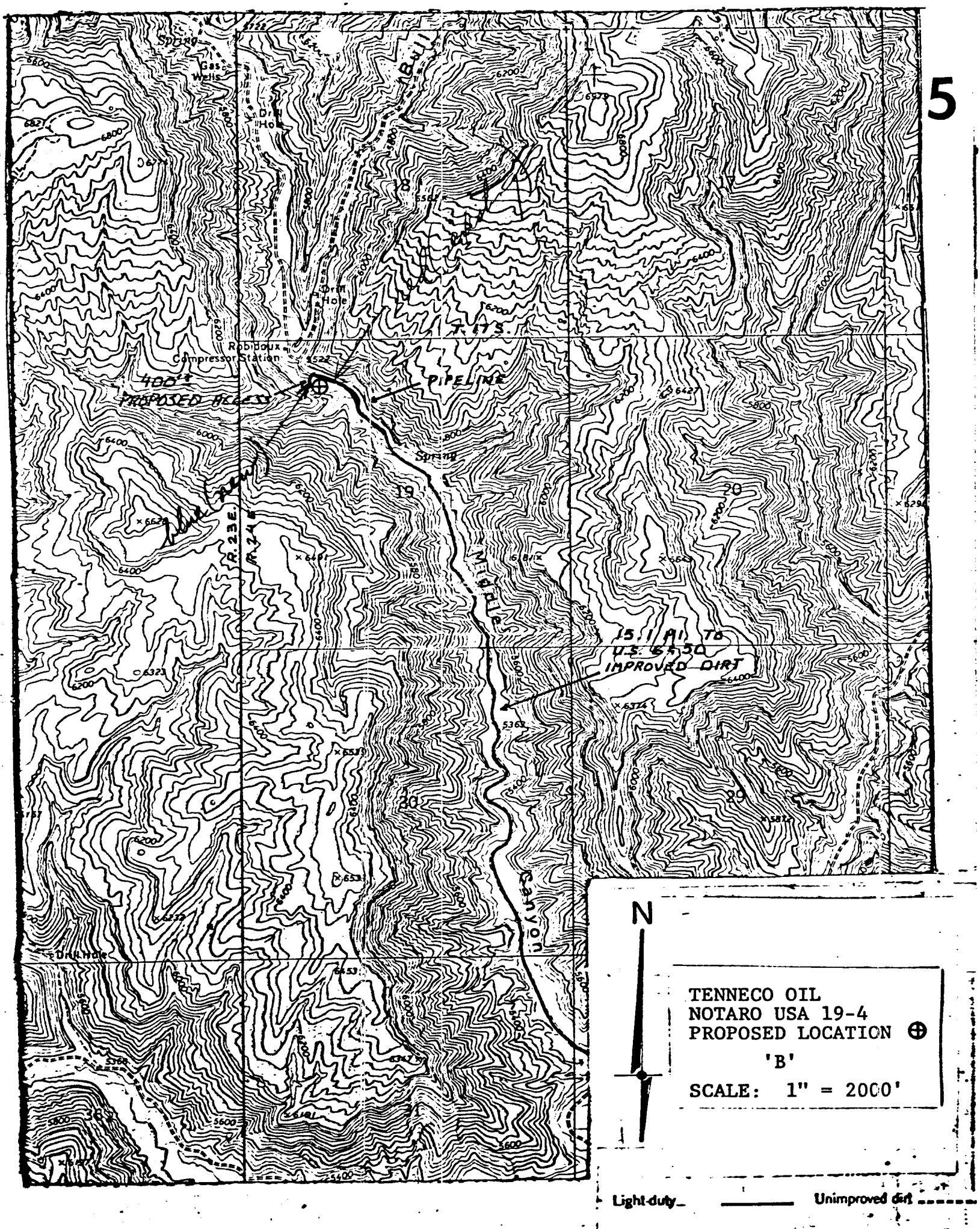
SCALE	1" = 50'
DATE	12/23/80
DRAWN BY	LHS
CHECKED BY	EAA
DATE OF SURVEY	12/03/80

TENNECO OIL
TENNECO NOTARO USA 19-4

SHEET 3 of 5

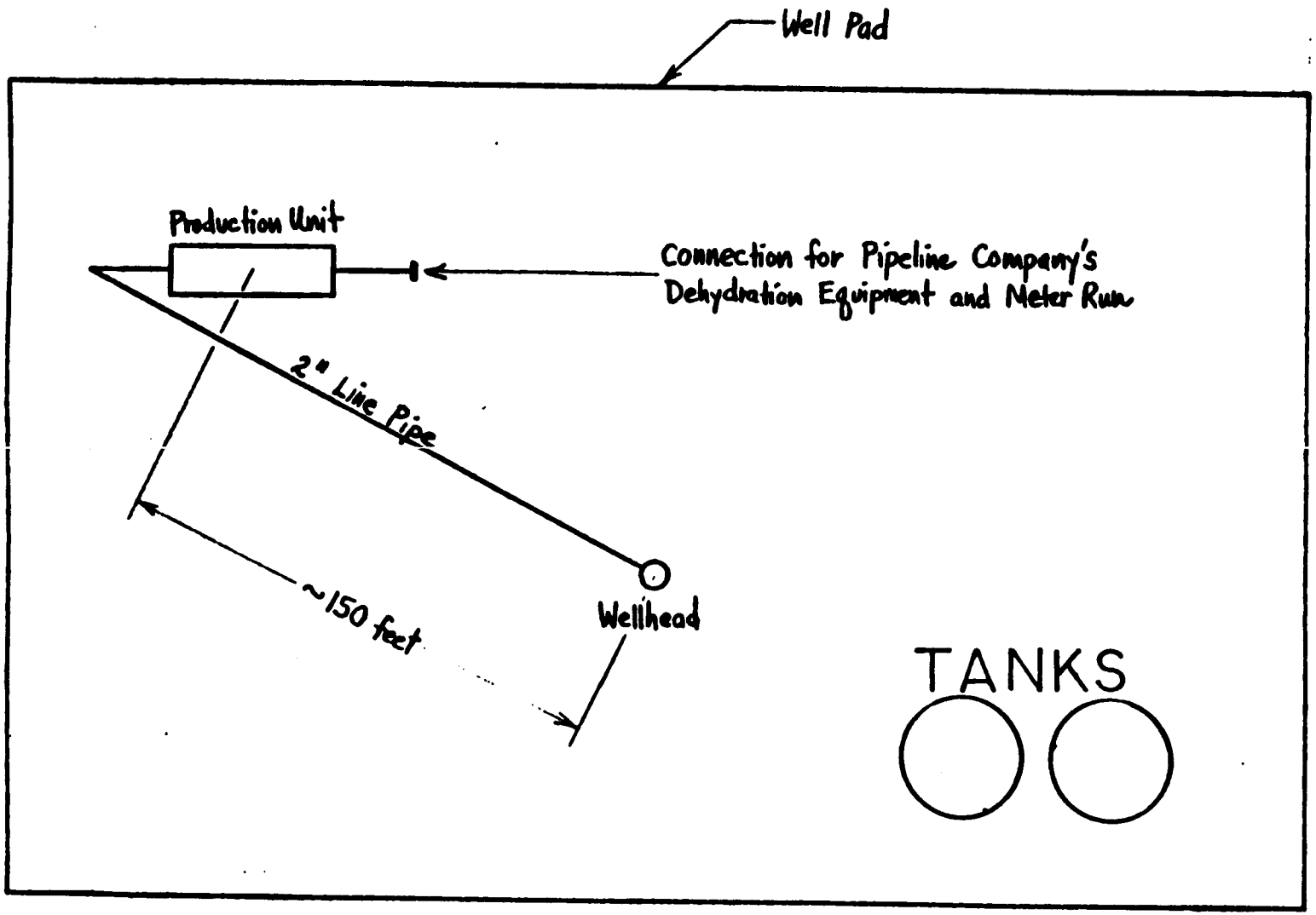
JOB NUMBER 803042


4
GAS FIELD
5250
Ranch
15.1 MI. TO
US 6 & 50
39 MI. TO
GRAND JCT.
GRAND COUNTY
MESA COUNTY
UTAH
COLORADO
Westwater
Agate Siding
Dolish Wash
Old RR
N
TENNECO OIL
NOTARO USA 19-4
PROPOSED LOCATION ⊕
'A'
SCALE: 1" = 4 Miles
Light-duty
Unimproved dirt

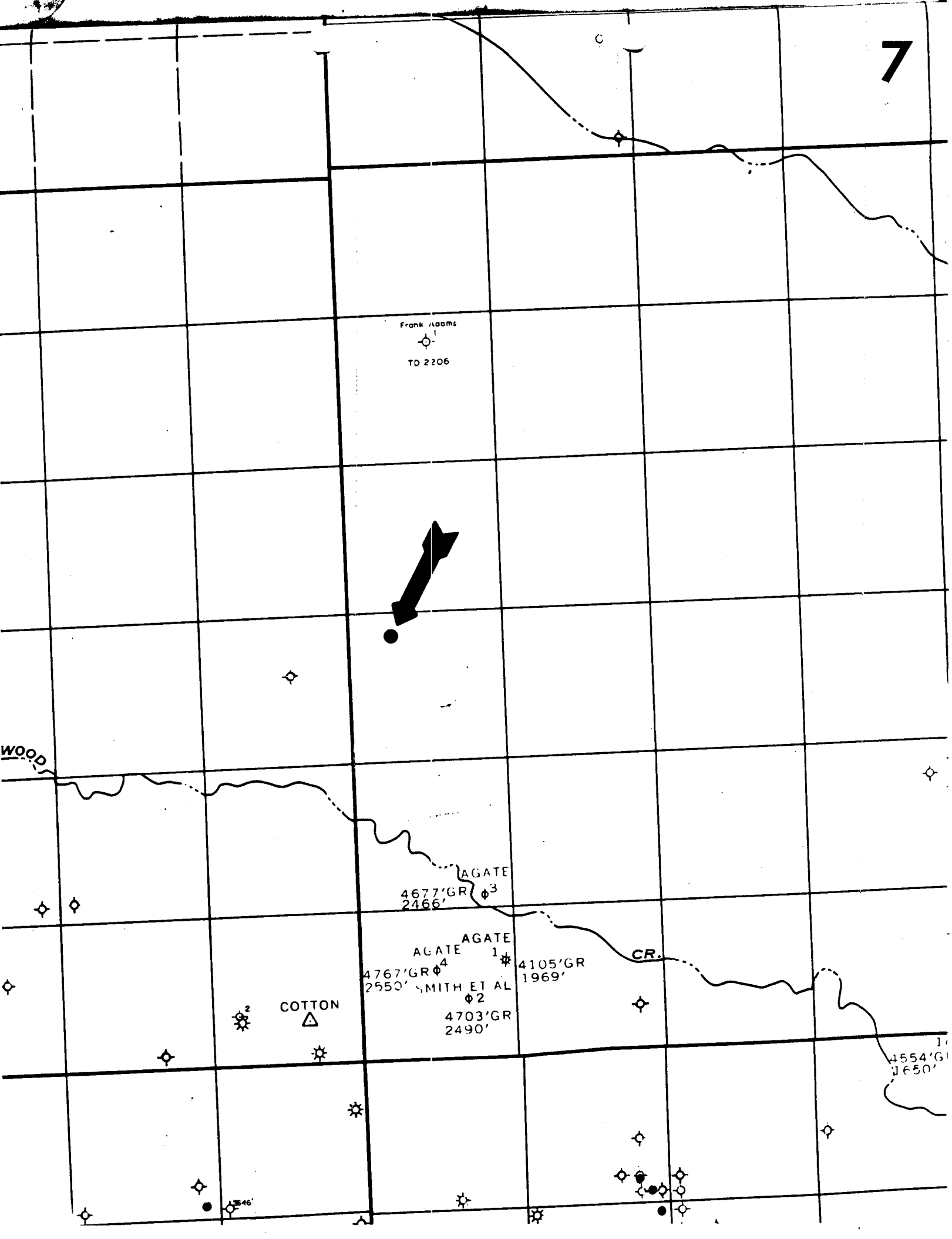

Spring
Gas Wells
Drill Hole
Drill Hole
Drill Hole
Robidoux Compressor Station
400'± PROPOSED ACCESS
PIPELINE
Spring
Spring
T. 17 S.
R. 23 E.
R. 24 E.
Wash
Wash
Canyon
15.1 MI TO U.S. 6530 IMPROVED DIRT
N
TENNECO OIL
NOTARO USA 19-4
PROPOSED LOCATION ⊕
'B'
SCALE: 1" = 2000'
Light duty
Unimproved dirt

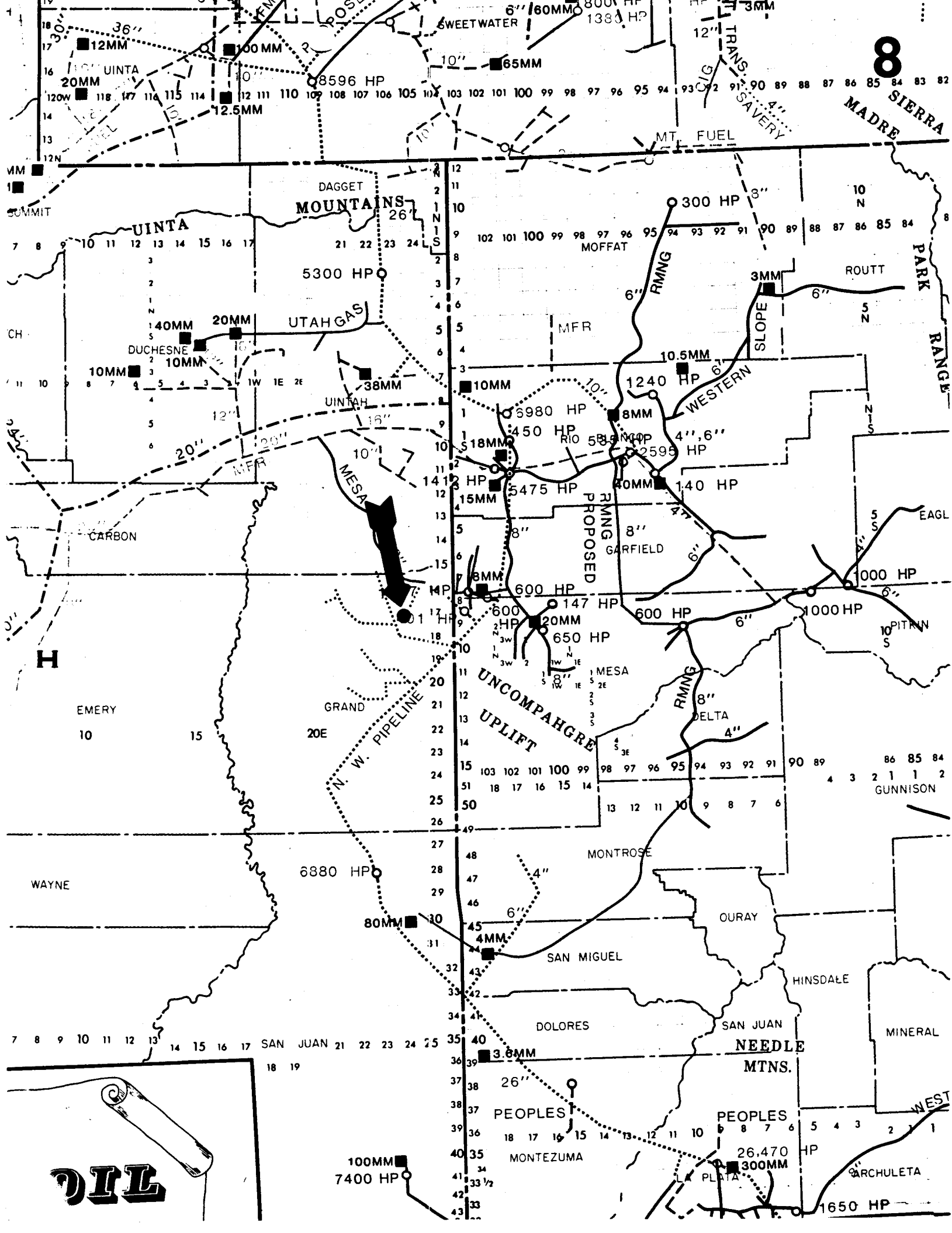
6

PROBABLE EQUIPMENT INSTALLATION



NOT TO SCALE


7
Frank Adams
1
TD 2206
WOOD
AGATE
4677'GR
2466'
3
AGATE
AGATE
1
4105'GR
1969'
4767'GR
4
2550'
SMITH ET AL
2
4703'GR
2490'
COTTON
2
CR.
4554'GR
1650'


8
SWEETWATER
UINTA
DAGGET
MOUNTAINS
SUMMIT
MT. FUEL
SIERRA MADRE
PARK RANGE
MOFFAT
ROUTT
DUCHESNE
UINTAH
UTAH GAS
MFR
SLOPE
WESTERN
RMNG
PROPOSED
GARFIELD
MESA
CARBON
EMERY
GRAND
UNCOMPAHGRE UPLIFT
N. W. PIPELINE
DELTA
MONTROSE
OURAY
SAN MIGUEL
HINSDALE
GUNNISON
EAGL
PITKIN
WAYNE
DOLORES
SAN JUAN
NEEDLE MTNS.
MINERAL
MONTEZUMA
LA PLATA
ARCHULETA
PEOPLES
TRANS. SAVERY
5300 HP
8596 HP
6980 HP
450 HP
5475 HP
1412 HP
2595 HP
1240 HP
300 HP
1400 HP
600 HP
147 HP
650 HP
1000 HP
6880 HP
7400 HP
26,470 HP
1650 HP
12MM
20MM
12.5MM
100 MM
65MM
60MM
40MM
10MM
38MM
18MM
15MM
8MM
3MM
10.5MM
4MM
80MM
100MM
300MM
OIL

TENNECO OIL COMPANY - 10 POINT PLAN

1. The geological name of the surface formation: Mesaverde
2 & 3. Estimated Formation Tops:

(See Attached Drilling Procedure)

4. Proposed Casing Program:

(See Attached Drilling Procedure)

5. Blowout Preventors:
Hydraulic double ram. One set of rams will be provided each size drill pipe in the hole. One set of blind rams at all times. Fill line will be 2", kill line will be 2", choke relief line will be 2". BOP's, drills and tests will be recorded in the driller's log. BOP will be tested every 24 hours and recorded in IADC Log.

6. Mud Program: (Sufficient quantity of mud and weight material will be available on location).

(See Attached Drilling Procedure.

7. Auxiliary Equipment:
   a. Kelly cock will be in use at all times.
   b. Stabbing valve to fit drill pipe will be present on floor at all times.
   c. Mud monitoring will be visual. No abnormal pressures are anticipated.
   d. Floats at bits.
   e. Drill string safety valve(s) to fit all pipe in drill string will be maintained on the rig floor while drilling operations are in progress.
8. Coring, Logging, and Testing Program:

(See Attached Drilling Procedure)

9. No abnormal pressures, temperatures or potential hazards such as H_2S are expected to be encountered.

10. The drilling of this well will start approximately Feb/March 81 and continue for 10 to 12 days.

Your office will be notified of spudding in sufficient time to witness cementing operations. Immediate notice will be given on blowouts, fires, spills, and accidents involving life threatening injuries or loss of life. Prior approval will be obtained before appreciably changing drilling program or commencing plugging operations, plug back work, casing repair work or corrective cementing operations.

TENNECO OIL COMPANY
ROCKY MOUNTAIN DIVISION
PENTHOUSE, 720 SOUTH COLORADO BOULEVARD
DENVER, COLORADO 80222

DRILLING PROCEDURE

DATE: January 29, 1981

LEASE: Notaro USA

WELL NO.: 19-4

LOCATION: 1394.9 FWL, 822.2 FNL
Sec. 19 T17S, R24E
Grand County, Utah

FIELD: Bryson Canyon

ELEVATION: 5510' G.L.

TOTAL DEPTH: 4910'

PROJECTED HORIZON: Dakota

SUBMITTED BY: Jim Lane DATE: January 29, 1981

APPROVED BY: Tom Running DATE: 1/29/81

CC: Administration
DSB Well File
Field File

ESTIMATED FORMATION TOPS

	Depth	
Mesaverde	Surface	
Mancos	610'	
Castlegate	875'	Water
Mancos B	1300'	Gas
Dakota Silt	4120'	Gas
Morrison	4450'	Gas
Salt Wash	4700'	Gas
Entrada	4980'	Gas
TD	4910'	

1. No abnormal pressures, temperatures or H_2S is anticipated on this hole.
2. Reserve pit shall be fenced on 3 sides during drilling operations in order to comply with BLM and USGS regulations.

DRILLING, CASING, AND CEMENT PROGRAM

1. MIRURT.
2. Set 1-3 joints of 9 5/8" casing as needed to be used as conductor pipe.
3. Install casing head and nipple up rotating head and blooie line.
4. Drill 8 3/4" hole to 1100' or 200 feet into the Castlegate Formation.
5. Log well as per G.E. department recommendations.
6. Run 7", 23#, K-55, ST&C surface casing to T.D. Cement with sufficient volume to circulate cement to the surface.
7. WOC. Nipple up casing spool, BOP's rotating head, choke manifold, etc. Pressure test BOP's, manifold, etc. to 1000 psi for 15 minutes.
8. TIH and displace water in casing with air. Drill out shoe and dry up hole.
9. Drill 6 1/4" hole to T.D.
10. Log well as per G.E. department recommendations.
11. If well is productive, run 4 1/2", 10.5#, K-55, ST&C casing to T.D. Cement with sufficient volume to cover all possible productive zones.
12. If the well is non-productive, P & A as per Regulatory Agency Specifications.

CASING PROGRAM

CONDUCTOR:	125' as needed 9 5/8", 36#, K-55, ST&C.
SURFACE:	1100' 7", 23#, K-55, ST&C.
PRODUCTION:	4910' 4 1/2", 10.5#, K-55, ST&C.

MUD PROGRAM

0-125	Spud mud. Viscosity as needed to clean hole.
125-1100	Air or Air/Mist.
1100-T.D.	Air or Air/Mist.
NOTE:	Should the hole become wet or encounter large gas flows which require mud up, keep the weight as low as possible, vis as needed, and W.L. ± 6 cc.

EVALUATION

Cores and DST's:

None.

Deviation Surveys:

0-125	Every 100' unless hole conditions prohibit running the surveys. Maximum deviation at T.D. 1^{o}.
125-1100	Every 500' or on trips. Maximum deviation 1^{o} per 100' or 1 at TD.
1100-4910	Every 500' or on trips. Maximum deviation 1^{o} per 100' or 5 at TD.

Samples:

None.

Logs:

Surface Hole - as specified by G.E. Department.

Production Hole - as specified by G.E. Department.

BLOWOUT EQUIPMENT

1. Double ram hydraulic with pipe and blind rams operated by an accumulator.
2. Rotating head on air or air/mist holes.
3. Preventors must be checked for operation every 24 hours. This check must be recorded on the IADC Drilling Report Sheet.

REPORTS

Drilling Reports for the past 24 hours will include depth, footage, time distribution, activity breakdown, mud properties, bit record, bottom hole assembly, daily and cumulative mud cost, deviation surveys, and other pertinent information to be called into Division Office by 7:30 A.M. Monday thru Friday.

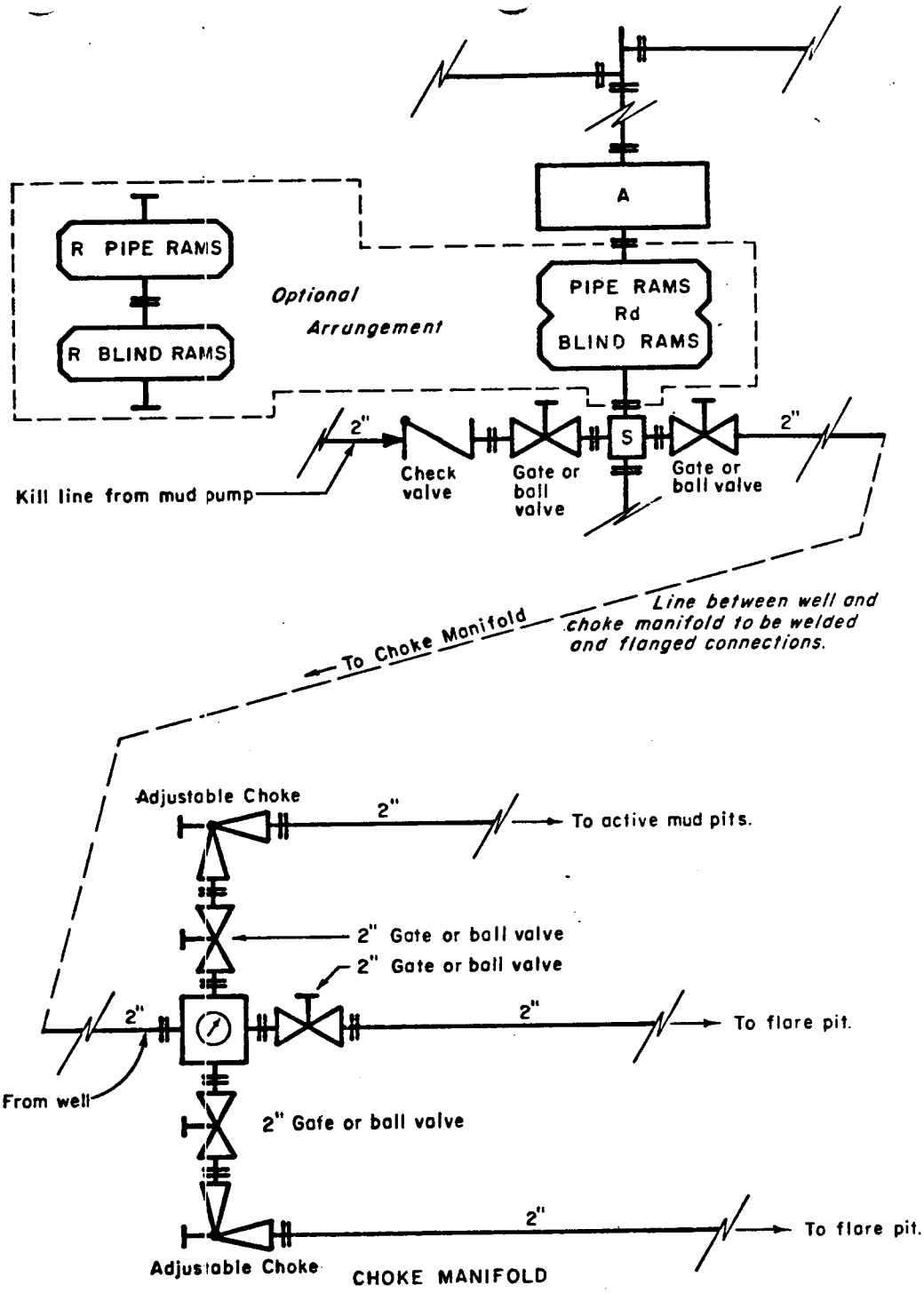
TENNECO OIL COMPANY
P.O. BOX 3249
ENGLEWOOD, COLORADO 80155
PHONE: 303-740-4800

Office Directory

Don S. Barnes	740-4814
John W. Owen	740-4810
Tom Dunning	740-4813
Dale Kardash	740-4809

In case of emergency or after hours call the following in the preferred order.

(1)	Don S. Barnes Division Drilling Engineer	740-4814 936-0704	Office Home
(2)	John W. Owen Senior Drilling Engineering Specialist	740-4810 795-0221	Office Home
(3)	Mike Lacey Division Production Manager	797-2651	Home



All equipment to be 3,000 psi working pressure except as noted.

Rd	Double ram type preventer with two sets of rams.
R	Single ram type preventer with one set of rams.
S	Drilling spool with side outlet connections for choke and kill lines.
A	Annular type blowout preventer.

ARRANGEMENT B

TENNECO OIL COMPANY
ROCKY MOUNTAIN DIVISION

REQUIRED MINIMUM
BLOWOUT PREVENTER AND
CHOKE MANIFOLD

J. MAGILL 10-26-79 EVI

I. EXISTING ROADS

A. Proposed Well Site Location:
See Exhibit 1

B. Planned Access Route:
See Exhibits 4 & 5

C. Access Road Labelled:

Color Code: Red - Improved surfaced roads
Blue - New access road to be constructed

D. Not applicable, the proposed well is a development well.

E. The existing roads are shown in Exhibit

F. Existing Road Maintenance or Improvement:

The existing road will not require improvement. However, this road, along with the new access road, may require occasional grading to return the road surface to a cross section necessary for proper drainage.

II. PLANNED ACCESS ROUTE

A. Route Location - (See Exhibits 4 and 5)

The planned new access route was selected to provide the shortest distance to the well site with acceptable grades from the main connector road. Temporary access will be built initially. If the facility is productive, the temporary road will be improved as follows:

1. Width:
The average dirt width will be twenty feet. The average traveled surface width will be twenty feet. Road construction will be in accordance with typical roadways requested by the U.S. Bureau of Land Management.

2. Maximum Grades:
Grades will be kept to a minimum using all available engineering techniques. It is, however, impossible to give a percent grade until the road has been aligned to the satisfaction of the surface management agency. We will have grades that are safe and passable under adverse weather conditions and that utilize the existing topography and surface geological conditions.

3. Turnouts: Turnouts are not required

4. Drainage Design:
Prior to construction of the new access road, the brush and topsoil will be windrowed to each side of the alignment outside construction limits. The subgrade surface will be a minimum elevation of one foot above ditch grade. The road surface will be center crowned and the inslopes will have a maximum slope of 3:1 and fill slopes will be a maximum of 2:1.

5. Culverts Use, Major Cuts and Fills: Culverts will be placed as needed and suggested by the BLM.

Max: cut -
Max: fill -

6. Surfacing Material:
The proposed permanent access road will be constructed with native material.

7. Gates, Cattleguards, Fence Cuts: Not needed.

8. New portion of road will be center flagged.

III. LOCATION OF EXISTING WELLS

The proposed well is a development well. Exhibit 7 shows existing wells within a one mile radius.

A.	Water Wells:	See Exhibit 7
B.	Abandoned Wells:	"
C.	Temporarily Abandoned Wells:	"
D.	Disposal Wells:	"
E.	Drilling Wells:	"
F.	Producing Wells: See Exhibit	"
G.	Shut-In Wells:	"
H.	Injection Wells:	"
I.	Monitoring or Observation Wells: None.	"

IV. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

A. Existing facilities within one mile owned or controlled by Lessee/ Operator:

See Exhibit 7

1. Tank batteries -
2. Production facilities -
3. Oil gathering lines -
4. Gas gathering lines -
5. Injection lines -
6. Disposal lines -

B. New facilities in the event of production:

1. New facilities: May consist of a well head, condensate tank, production unit, meter house, all of which would remain within the disturbed area. Exhibit 6 shows our most typical arrangment for this area.

2. Dimensions of the facilities are shown in Exhibits 2 and 3 .

3. Construction will be to strip the topsoil, level drilling pad. Dehydrator pits will be constructed with soil materials native to the site. Construction methods will be employed to assume that no drainage flows are impounded to prevent the loss of any hydrocarbon from the site. This is to be done in a manner to facilitate rapid recovery and clean up.

4. Protective measures to protect wildlife and livestock: Dehydrator pits shall be overhead flagged should any hydrocarbon material be present on the surface. The dehydrator pits shall be fenced to prevent entry of livestock or wildlife.

C. Plan for rehabilitation of disturbed areas no longer need for operations after construction completed:

Upon completion of well, areas required for continued use will be graded to provide drainage and minimize erosion. Those areas not required for continued usage will be graded to provide drainage and minimize erosion. Those areas unnecessary for use will be graded to blend with the surrounding topography. Topsoil will be replaced on those areas and seeded according to BLM specifications.

V. LOCATION AND TYPE OF WATER SUPPLY

A. The water source is to be from a legal private source, Frank Spadafora.

B. Water transportation system: Water to be hauled in trucks from an undetermined pick up point.

C. Water wells: None

VI. SOURCE OF CONSTRUCTION MATERIALS

A. Materials:

Construction materials will consist of soil encountered with the boundaries of the proposed site. Topsoil will be stripped to a depth of six inches and stockpiled in an area that does not interfere with operations.

B. Land Ownership:

The planned site and access roads lie on Federal land administered by the United States Department of Interior, U.S. Bureau of Land Management.

C. Materials foreigh to site: N/A

D. Access road shown under Exhibits 2 & 3.

VII. METHODS OF HANDLING WASTE MATERIALS

A. Cuttings:

Will be contained within the limits of the reserve pit.

B. Drilling fluids:

Will be retained in the reserve pit.

C. Produced fluids:

No substantial amount of water is expected. The amount of hydrocarbon that may be produced while treating will be retained in the reserve pit. Prior to clean up operations the hydrocarbon materials will be skimmed or removed as the situation would dictate.

D. Sewage:

Sanitary facilities will consist of at least one chemical toilet and after the completion of operations the sewage will be removed and disposed of elsewhere.

E. Gargage:

A burn cage will be used to burn all flamable material. The small amount of refuse will be removed from the site and disposed of at a legal and environmentally acceptable location.

F. Clean up of well site:

After drilling, the surface of the drill pad will be cleaned and graded to accommodate a completion rig. The "mouse hole" and "rat hole" will be backfilled to prevent injury and hazard for livestock. Reserve pit will be fenced until dry and it can be backfilled and restored to natural terrain.

VIII. ANCILLARY FACILITIES

None required.

IX. WELL SITE LAYOUT

A. See Exhibits - 2 & 3

1. Location of pits:
2. Rig Orientation:

B. Pits will be unlined, unless otherwise required.

X. PLANS FOR RESTORATION OF SURFACE

A. Reserve Pit Cleanup:

The pit will be fenced prior to rig release and shall be maintained until cleanup. Prior to backfill operation, any hydrocarbon material on the pit surface will be removed. The fluids and solids contained in the pit shall be backfilled with soil excavated from the site and with soil adjacent to the reserve pit. The restored surface of the reserve pit will be contoured to prevent impoundment of any drainage flows. The gradient of the surface will be maintained to prevent sudden acceleration of drainage flows which could cause continued erosion of the surface. Following backfill completion, topsoil removed from the disturbed areas will be replaced in a uniform layer. The reserve pit will be seeded per Bureau of Land Management recommendation during the appropriate season following final restoration of the site.

B. Restoration Plans - Production Developed:

The reserve pit will be backfilled and restored as described under Item A. In addition, those disturbed areas not required for production will be graded to blend with the surrounding topography. Topsoil will be placed on these areas and seeded. The portion of the drill pad required for production and turning areas will be graded to minimize erosion and provide access to production facilities under inclement conditions. Following final improvement and surfacing of that portion of new access road, the topsoil windrowed to each side of the alignment will be placed on the cut slopes. Following depletion and abandonment of the site, restoration procedures will be those that follow under Item C.

C. Restoration Plans - No Production Developed:

Of course the reserve pit will be restored as described above. With no production developed, the entire surface disturbed by construction of the drilling pad will be restored to its natural terrain and reseeded per Bureau of Land Management requirements.

XI. OTHER INFORMATION

A. **Surface Description:** Location is in canyon bottomland, previously disturbed. Area generally supports pinon and juniper, cactus, yucca, mountain mahogany and diverse native grasses.

B. Other Surface-use Activities: The surface is federally owned and managed by the BLM/USGS. The predominant surface use is mineral exploration and production with minimal grazing activity.

C. Proximity of Water, Dwelling, Historical Sites:

1. Water: A spring is located approximately ½ mile to the SE. Water flows intermittently in Middle Canyon.
2. Occupied Dwellings: Not existing.
3. Historical Sites: An archaeological reconnissance has been performed for this location and report is on file with the appropriate USGS/BLM offices.

XII. OPERATOR'S REPRESENTATIVE

Field personnel who can be contacted concerning compliance of this Surface Use Plan are as follows:

Donald Barnes
P.O. Box 3249
Englewood, Colorado 80155
Phone: (303) 740-4814

R.A. Mishler
P.O. Box 3249
Englewood, Colorado 80155
Phone: (303) 740-4825

XIII. CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions as they actually exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the proposed work performed by Tenneco Oil Company and its contractors and sub-contractors will conform to this plan.

DATE: February 2, 1981

R. A. Mishler
R. A. Mishler
Sr. Production Analyst

** FILE NOTATIONS **

DATE: Feb. 5, 1981

OPERATOR: Tenneco Oil Company

WELL NO: Natara 19-4

Location: Sec. 19 T. 17S R. 24E County: Grand

File Prepared: ☐ Entered on N.I.D: ☐

Card Indexed: ☐ Completion Sheet: ☐

API Number 43-019-30778

CHECKED BY:

Petroleum Engineer: M. J. Minder 2-17-81
Will request topo exception to locate on old P&A well site (L. Jaeman 2/9/81)

Director:

Administrative Aide: Order # (below) - 100 close to North boundary ok on other wells as per order no other producing wells within 2,500 feet.

APPROVAL LETTER:

Bond Required: ☐ Survey Plat Required: ☐

Order No. 47-2, 9/22/76 O.K. Rule C-3 ☐

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

Lease Designation Fed Plotted on Map ✓

Approval Letter Written ✓

Hot Line ✓ P.I. ✓

Tenneco Oil
Exploration and Production
A Tenneco Company

Rocky Mountain Division

P.O. Box 3249
Englewood, Colorado 80155
(303) 740-4800

Delivery Address:
6061 South Willow Drive
Englewood, Colorado

February 9, 1981

Michael T. Minder
Division of Oil, Gas & Mining
1588 West North Temple
Salt Lake City, Utah 84116

Re: Notaro 19-4
822.2 FNL, 1394.9 FWL
Sec. 19, T17S, R24E
Grand County, Utah

Dear Mr. Minder:

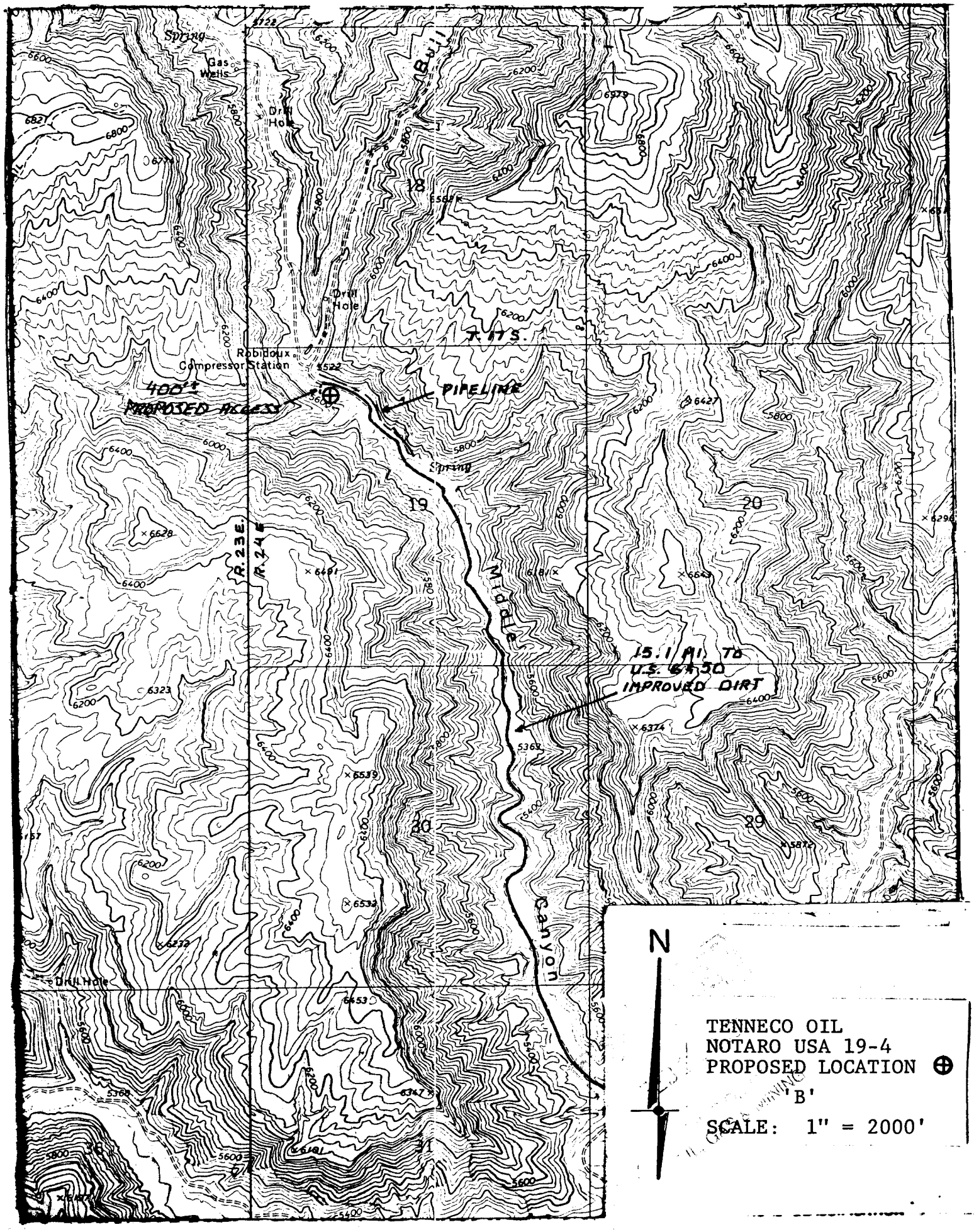
Tenneco Oil respectfully requests permission to drill the referenced unorthodox location by a variance as provided for in Rule 47-2. As indicated on the attached map, a suitable drill site was not obtainable to the south due to topographic conditions. We have selected a site that uses previously disturbed ground. This is an old location that was not produceable and subsequently plugged and abandoned. Section 18 is owned by Jay Thompson and the Westwater Joint Venture.

Yours very truly,

TENNECO OIL COMPANY

M. L. Freeman
Staff Production Analyst

MLF/rr
Encls.


Spring
Gas Wells
Drill Hole
Drill Hole
Robidoux Compressor Station
400'± PROPOSED ACCESS
PIPELINE
T. 11 S.
R. 23 E.
R. 24 E.
Spring
Middle Canyon
15.1 MI. TO U.S. 6430 IMPROVED DIRT
Drill Hole
18
19
20
29
30
31
N
TENNECO OIL
NOTARO USA 19-4
PROPOSED LOCATION
'B'
SCALE: 1" = 2000'
Light-duty
Unimproved dirt

February 17, 1981

Tenneco Oil Company
P. O. Box 3249
Englewood, Colorado 80155

Re: Well No. Nataro 19-4
Sec. 19, T. 17S, R. 24E
Grand County, Utah

Insofar as this office is concerned, approval to drill the above referred to gas well is hereby granted in accordance with the Order issued in Cause No. 47-2, dated September 22, 1976.

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

MICHAEL T. MINDER - Petroleum Engineer
Office: 533-5771
Home: 876-3001

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

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-019-30778.

Sincerely,

DIVISION OF OIL, GAS, AND MINING

Michael T. Minder
Petroleum Engineer

/ko
cc: USGS

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

October 14, 1981

Tenneco Oil Company
P.O. Box 3249
Englewood, CO 80155

Re: See Attached Sheet

Gentlemen:

In reference to the 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 you plan to drill this location at a later date, please notify this office.

Your prompt attention to the above will be greatly appreciated.

Sincerely,

DIVISION OF OIL, GAS, AND MINING

TERRI REID
CLERK TYPIST

Well No. Middle Canyon Unit #23-6
Sec. 23, T. 16S, R. 24E
Grand County, Utah

Well No. Middle Canyon Unit #23-16
Sec. 23, T. 16S, R. 24E
Grand County, Utah

Well No. Middle CAnyon Unit #27-1
Sec. 27, T. 16S, R. 24E
Grand County, Utah

Well No. Middle Canyon Unit #27-12
Sec. 27, T. 16S, R. 24E
Grand County, Utah

Well No. Federal 5-13
Sec. 5, T. 17S, R. 24E
Grand County, Utah

Well No. Hougen USA 15-9
Sec. 15, T. 17S, R. 24E
Grand County, Utah

Well No. Nataro 19-4
Sec. 19, T. 17S, R. 24E
Grand County, Utah

Well No. USA 15-7
Sec. 15, T. 18S, R. 22E
Grand County, Utah

Well No. Sulpher Canyon Unit #17-9
Sec. 17, 18S, R. 24E
Grand County, Utah

Well No. USA #12-10
Sec. 12, T. 19S, R. 22E
Grand County, Utah

Tenneco Oil
Exploration and Production
A Tenneco Company

Rocky Mountain Division

P.O. Box 3249
Englewood, Colorado 80155
(303) 740-4800

Delivery Address:
6061 South Willow Drive
Englewood, Colorado

October 23, 1981

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

Attention: Ms. Terri Reid

RE: Status of Wells with APD's
Approved by Your Office

Dear Ms. Reid:

In regards to your letter dated October 14, 1981, the following is a report on the drilling status on each of the wells mentioned:

Middle Canyon Unit #23-6 Sec. 23, T16S R24E Grand, Utah	Federal APD's have been returned. This well has been scratched indefinitely.
Middle Canyon Unit #23-16 Sec. 23, T16S R23E Grand, Utah	Location is built. State approval expires 2/20/82. Will drill in 1982.
Middle Canyon Unit #27-1 Sec. 27, T16S R24E Grand, Utah	Federal APD's returned. This well has been scratched indefinitely.
Middle Canyon Unitt #27-12 Sec. 27, T16S R24E Grand, Utah	Location is built. State approval expires 2/82. Will drill in 1982.
TOC USA #5-13 Sec. 5, T17S R24E Grand, Utah	Federal approval expires 9/19/81. Will send in extension request under separate cover.
Hougen USA #15-9 Sec. 15, T17S R24E Grand, Utah	Federal APD will be filed under new name TOC/TXO #15-9
Nataro #19-4 Sec. 19, T17S R24E Grand, Utah	Will not be drillled in 1981. Scratched from program indefinitely.

STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

February 8, 1982

Tenneco Oil Company
P. O. Box 3249
Englewood, Colorado 80155

Re: Well No. USA #12-10
Sec. 12, T. 19S, R. 22E
Grand County, Utah

Well No. Nataro #19-4
Sec. 19, T. 17S, R. 24E
Grand County, Utah

Well No. Middle Canyon Unit #23-6
Sec. 23, T. 16S, R. 24E
Grand County, Utah

Well No. Middle Canyon Unit #27-1
Sec. 27, T. 16S, R. 24E
Grand County, Utah

Gentlemen:

Approval to drill the above mentiones wells, which was granted in our letters of October 17, 1980, February 17, 1981, February 13, 1981 & February 13, 1981, are hereby terminated for failure to spud it within a reasonable period of time.

If and when you should decide to drill these wells, it will be necessary for you to again obtain approval of this Division.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

Cleon B. Feight
Director