

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS WELL LOG ELECTRIC LOGS FILE **X** WATER SANDS LOCATION INSPECTED **gas** SUB REPORT **abd**

* Location Abandoned - well never drilled - 3-18-82

DATE FILED **4-9-81**

LAND: FEE & PATENTED **FED.** STATE LEASE NO

PUBLIC LEASE NO **U-36863**

INDIAN

DRILLING APPROVED **5-22-81**

SPUDDED IN:

COMPLETED: PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY API:

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED **LA March 18, 1982**

FIELD **3^{1/2} Byrson Canyon, ~~Byrson Canyon~~**

UNIT:

COUNTY: **Grand**

WELL NO **Conklin 4-4**

API NO. **43-019-30803**

LOCATION **1324'** FT FROM (N) S LINE.

552'

FT FROM **X** (W) LINE

SW NW

1-4 - 1-4 SEC **4**

TWP.	RGE	SEC	OPERATOR
------	-----	-----	----------

TWP.	RGE	SEC	OPERATOR
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17S

24E

4

TENNECO OIL COMPANY



United States Department of the Interior

IN REPLY REFER TO

3109
(U-603)

BUREAU OF LAND MANAGEMENT

Moab District
Grand Resource Area
P. O. Box M
Moab, Utah 84532

FEB 4 1981

M.L. Freeman
P.O. Box 3249
Englewood, CO 80155

Subject: Staking Request (PER)
Well: Tenneco Conklin USA 4-5
Section 4, T. 17 S., R. 24 E.
Grand County, Utah

Dear Mr. Freeman:

This office has no objections to staking the above subject location. 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 County Road Supervisor. An archaeological clearance must be obtained after staking the site(s).

Sincerely yours,

M. Scott Packer Acting
Area Manager

cc:
Grand County Road Supervisor

RECEIVED

FEB 9 1981

**TENNECO OIL CO
DENVER**

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

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.
U - 36863

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Conklin

9. WELL NO.
4-4

10. FIELD AND POOL, OR WILDCAT
Byrson Canyon, Morrison

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec 4, T17S, R24E

12. COUNTY OR PARISH
Grand

13. STATE
Utah

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
Tenneco Oil Company

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface
1324' FNL, 552' FWL SW NW
At proposed prod. zone
same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approx. 25 miles NW of Mach, Co.

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 552'

16. NO. OF ACRES IN LEASE 632.68

17. NO. OF ACRES ASSIGNED TO THIS WELL 320

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. ±6475

19. PROPOSED DEPTH ±6475

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
Ground 7010'

22. APPROX. DATE WORK WILL START*
May/June, 1981

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#	±2390'	Circulate to surface
6 1/2"	4 1/2" new	10.5#	±6475	Cover all productive zones

Set 1-3 joints of 9 5/8" casing as needed to be used as conductor pipe.
See attached drilling procedure.
Pre stake clearance attached.
An archaeological survey has been requested.

RECEIVED

APR 9 1981

DIVISION OF
OIL, GAS & MINING

**APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING**

DATE: 5-22-81
BY: M. S. Minder

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.

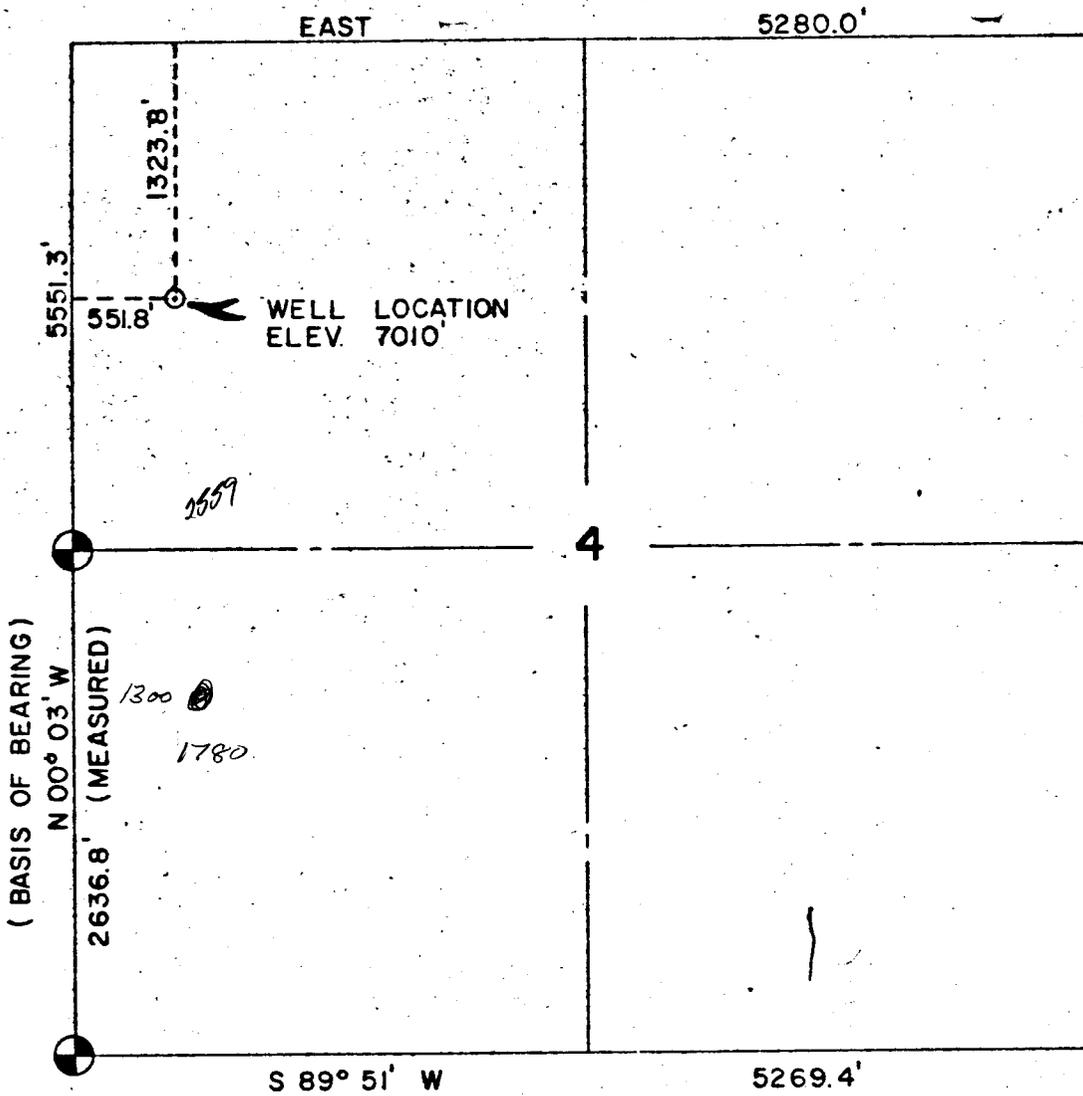
24. SIGNED R. A. Mishler TITLE Senior Production Analyst DATE April 3, 1981

(This space for Federal or State office use)

PERMIT NO. 43-019-30803 APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:



WELL LOCATION
1323.8 FTS. N.L. — 551.8 FTE. W.L.
SECTION 4, 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.

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'	TENNECO OIL CONKLIN USA 4-4
	DATE 2 / 10 / 81	JOB NUMBER 802741
	DRAWN BY JMT	
CHECKED BY EAA	SHEET 1 of 5	
DATE OF SURVEY 2 / 6 / 81		

TENNECO OIL COMPANY - 10 POINT PLAN

1. The geological name of the surface formation: Wasatch
- 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 H₂S are expected to be encountered. ✓
10. The drilling of this well will start approximately (May/June, '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: April 2, 1981

LEASE: Conklin USA

WELL NO.: 4-4

LOCATION: 1324' FNL, 552' FWL
Section 4, T17S, R 24E
Grand County, Utah

FIELD: Bryson Canyon

ELEVATION: 7010' ~ G.L.

TOTAL DEPTH: 6475'

PROJECTED HORIZON: Morrison

SUBMITTED BY:

Tom Downing

DATE:

4/2/81

APPROVED BY:

John W. Owen

DATE:

4/2/81

CC: Administration
DSB Well File
Field File

ESTIMATED FORMATION TOPS

Wasatch	
Mesaverde	Surface
Mancos	1726'
Castlegate	2186' (Water &/or Gas)
Mancos B	2886'
Dakota Silt	5772'
Morrison	6126' (Gas &/or Water)
Salt Wash	6326'
Entrada	6626'
TD	6475'

1. No abnormal pressures, temperatures or H₂S 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 bloopie line.
4. Drill 8 3/4" hole to 2390' 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, F & A as per Regulatory Agency Specifications.

CASING PROGRAM

CONDUCTOR:	30' to 125' as needed 9 5/8", 36#, K-55, ST&C.
SURFACE:	2390' 7", 23#, K-55, ST&C.
PRODUCTION:	6475' 4 1/2", 10.5#, K-55, ST&C.

MUD PROGRAM

0-125 Spud mud. Viscosity as needed to clean hole.

125-2390 Air or Air/Mist.

2390-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. \pm 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° .

125-2390 Every 500' or on trips. Maximum deviation 1° per 100' or 3° at TD.

2390-T.D. Every 500' or on trips. Maximum deviation 1° per 100' or 6° 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.

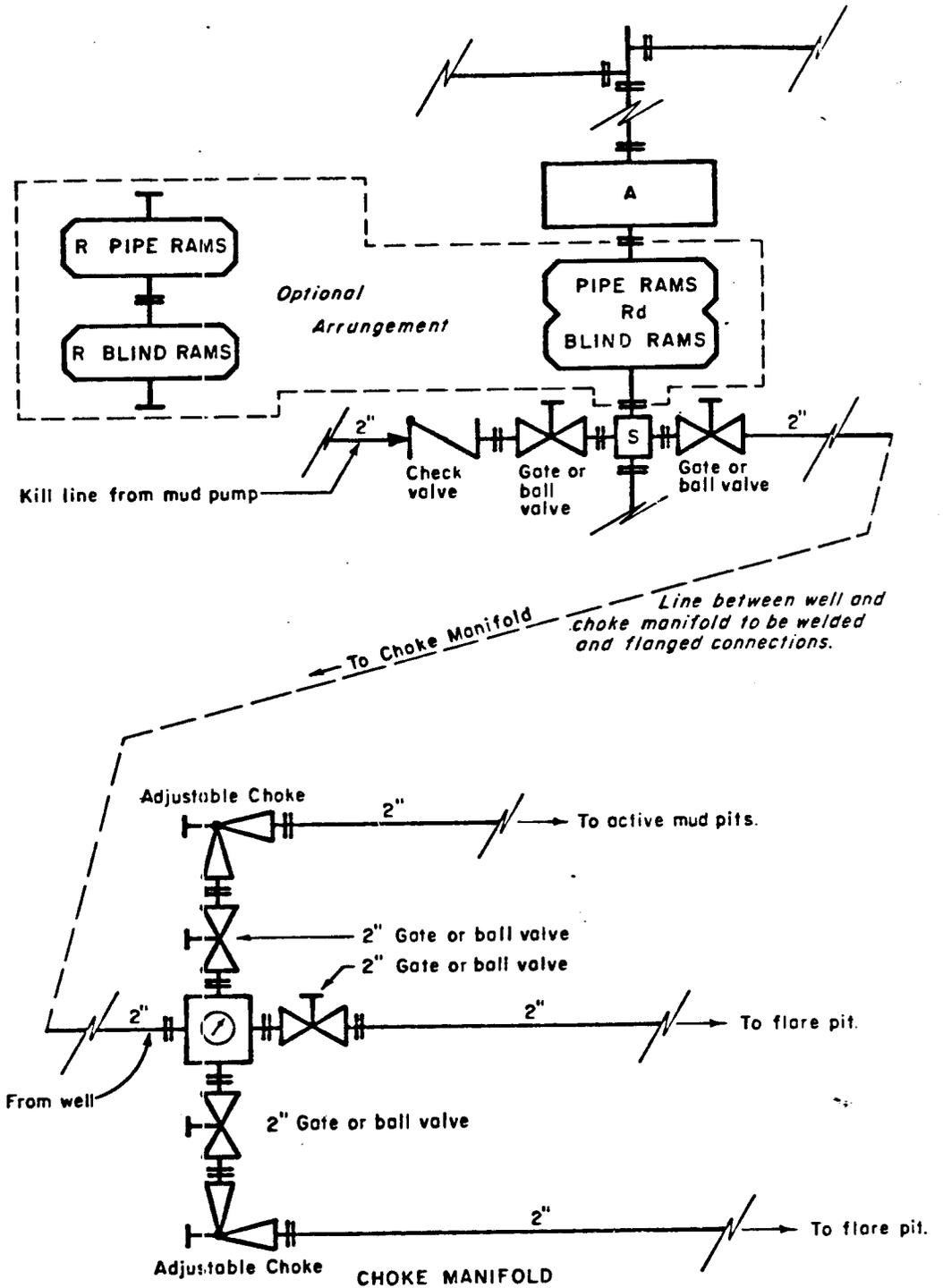
TENNECO OIL COMPANY
P.O. BOX 3249
ENGLEWOOD, COLORADO 80155
PHONE: 303-740-4800

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



- 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

I. EXISTING ROADS

A. Proposed Well Site Location:

See exhibit 1

B. Planned Access Route:

See exhibits 4 and 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 18 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 BIM.

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:**
- B. **Abandoned Wells:**
- C. **Temporarily Abandoned Wells:**
- D. **Disposal Wells:**
- E. **Drilling Wells:** see exhibit 7
- 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 - see exhibit 7
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 arrangement 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 Spadafors.
- 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 within 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 foreign to site: N/A

D. Access road shown under Exhibits 4 and 5.

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 flammable 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 and 3

1. Location of pits: exhibits 2 and 3
2. Rig Orientation: see exhibit 3

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 re-seeded per Bureau of Land Management requirements.

XI. OTHER INFORMATION

A. Surface Description:

The location is located on a ridge slope. Soil is sandy clay. Vegetation includes pinon and juniper, scrub mahogany, serviceberry.

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: none
2. Occupied Dwellings: Not existing.
3. Historical Sites: An archaeological reconnaissance has been ordered for this location.

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: April 3, 1981

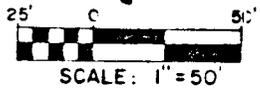
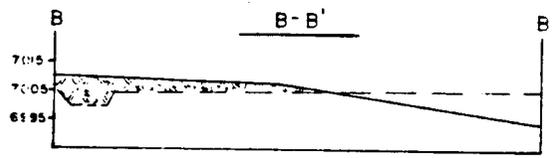
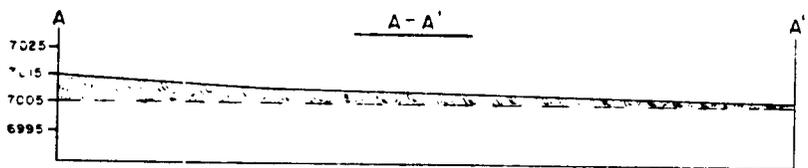
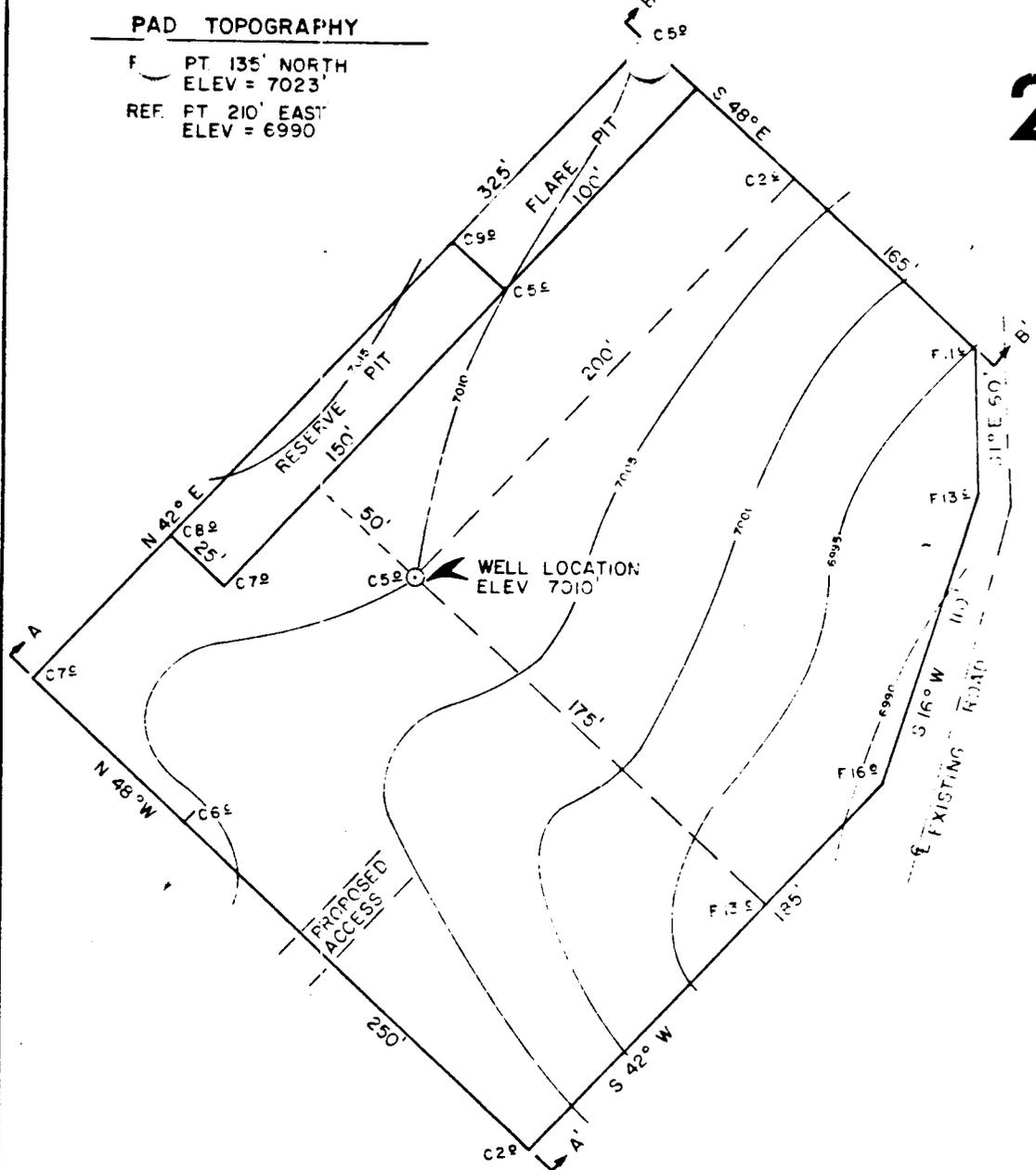


R.A. Mishler
Senior Production Analyst

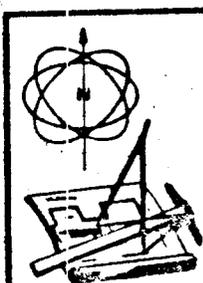
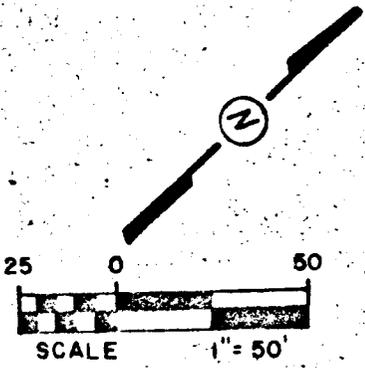
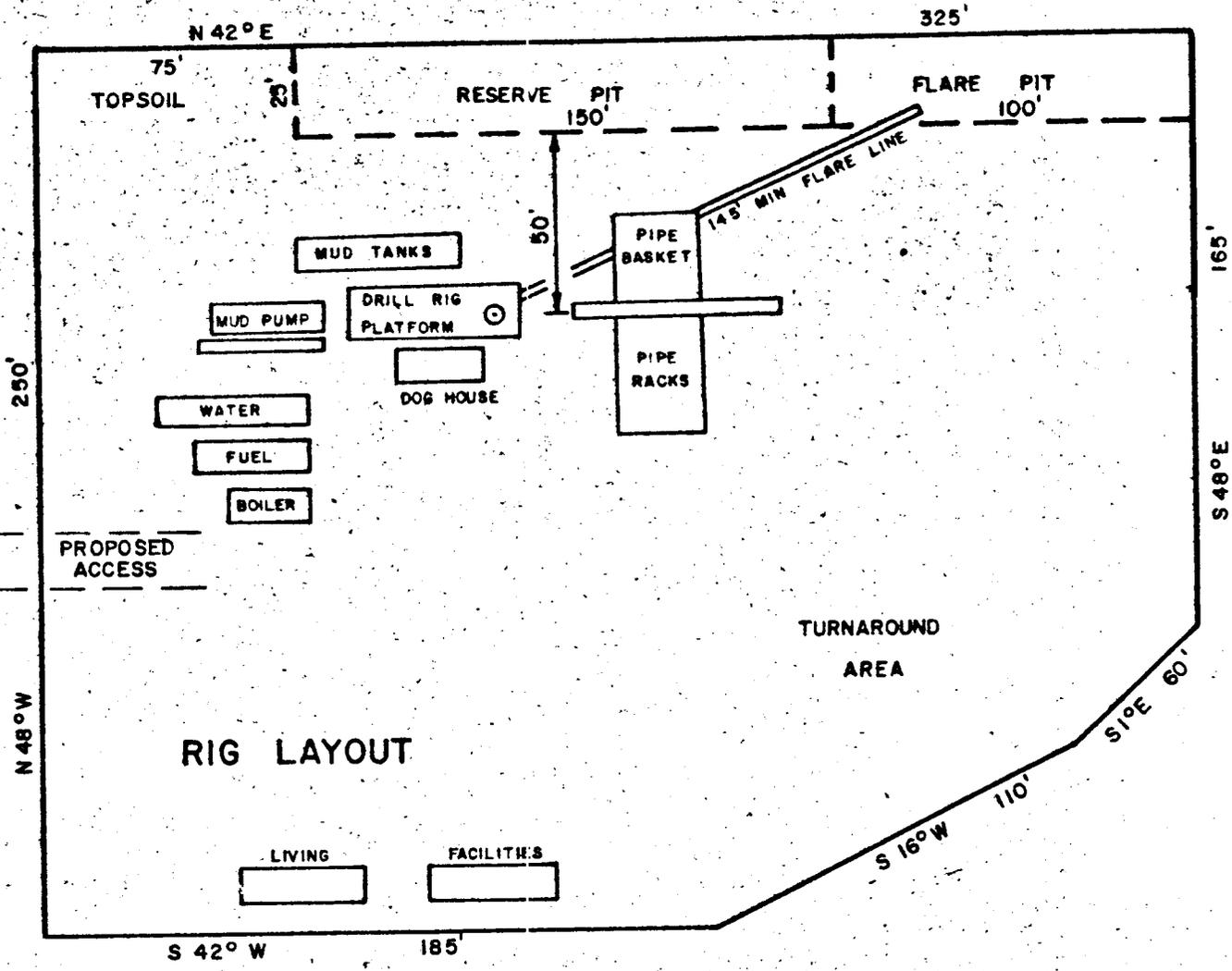
PAD TOPOGRAPHY

F PT 135' NORTH
ELEV = 7023'
REF. PT 210' EAST
ELEV = 6990

2



	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: 2/16/81 DRAWN BY: JMT CHECKED BY: EAA DATE: 2/6/81	TENNOCO OIL CONKLIN USA 4-4
SHEET 2 of 5		



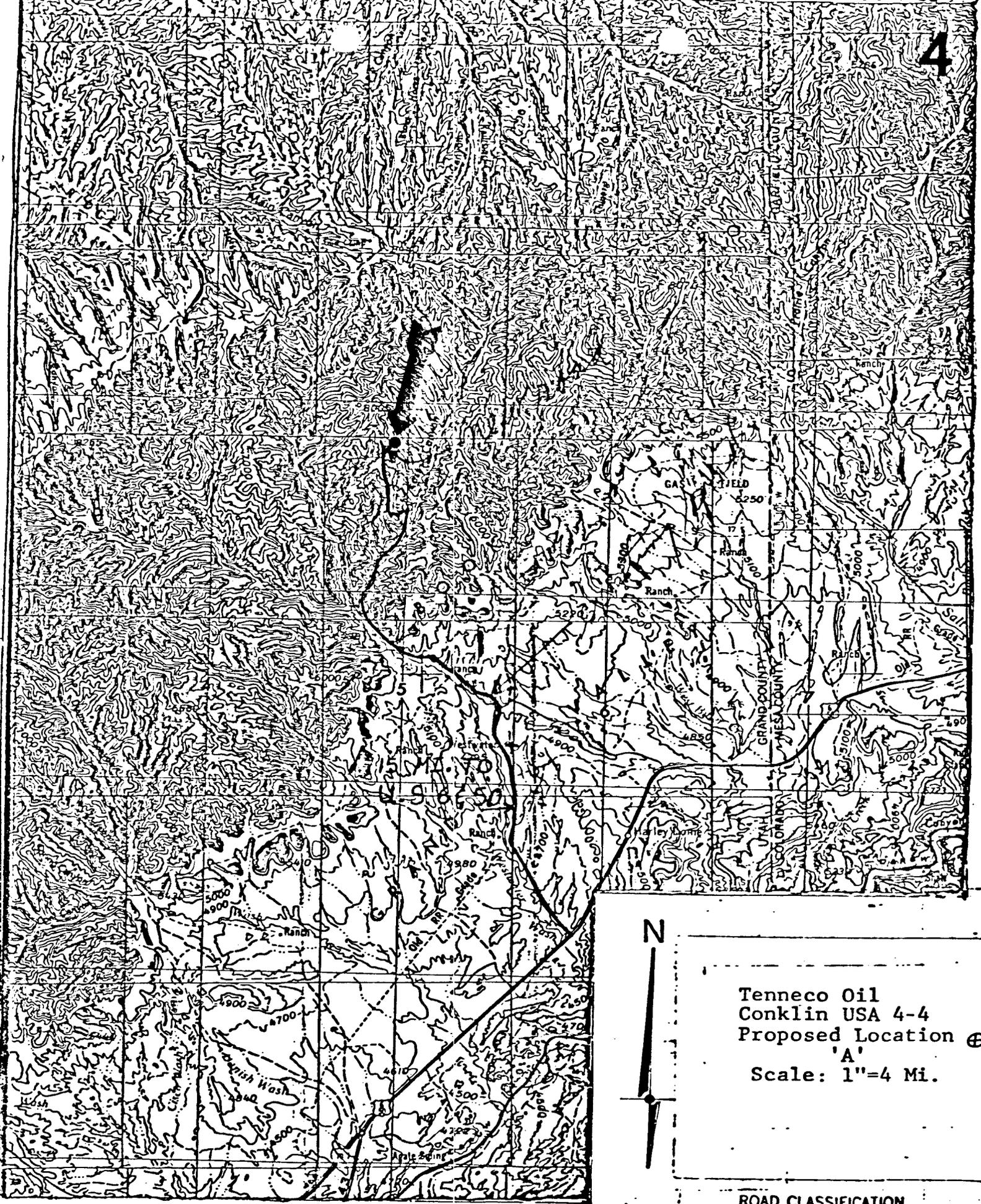
ARMSTRONG ENGINEERS and ASSOCIATES, INC.
 ENGINEERING • SURVEYING • SOILS AND CONCRETE TESTING
 861 ROOD AVENUE - GRAND JUNCTION, COLORADO 81501 - (303) 245-3861

SCALE 1" = 50'
 DATE 2/10/81
 DRAWN BY JMT
 CHECKED BY EAA
 DATE OF PLOT 2/6/81

TENNECO OIL
 CONKLIN USA 4-4

SHEET 3 of 5

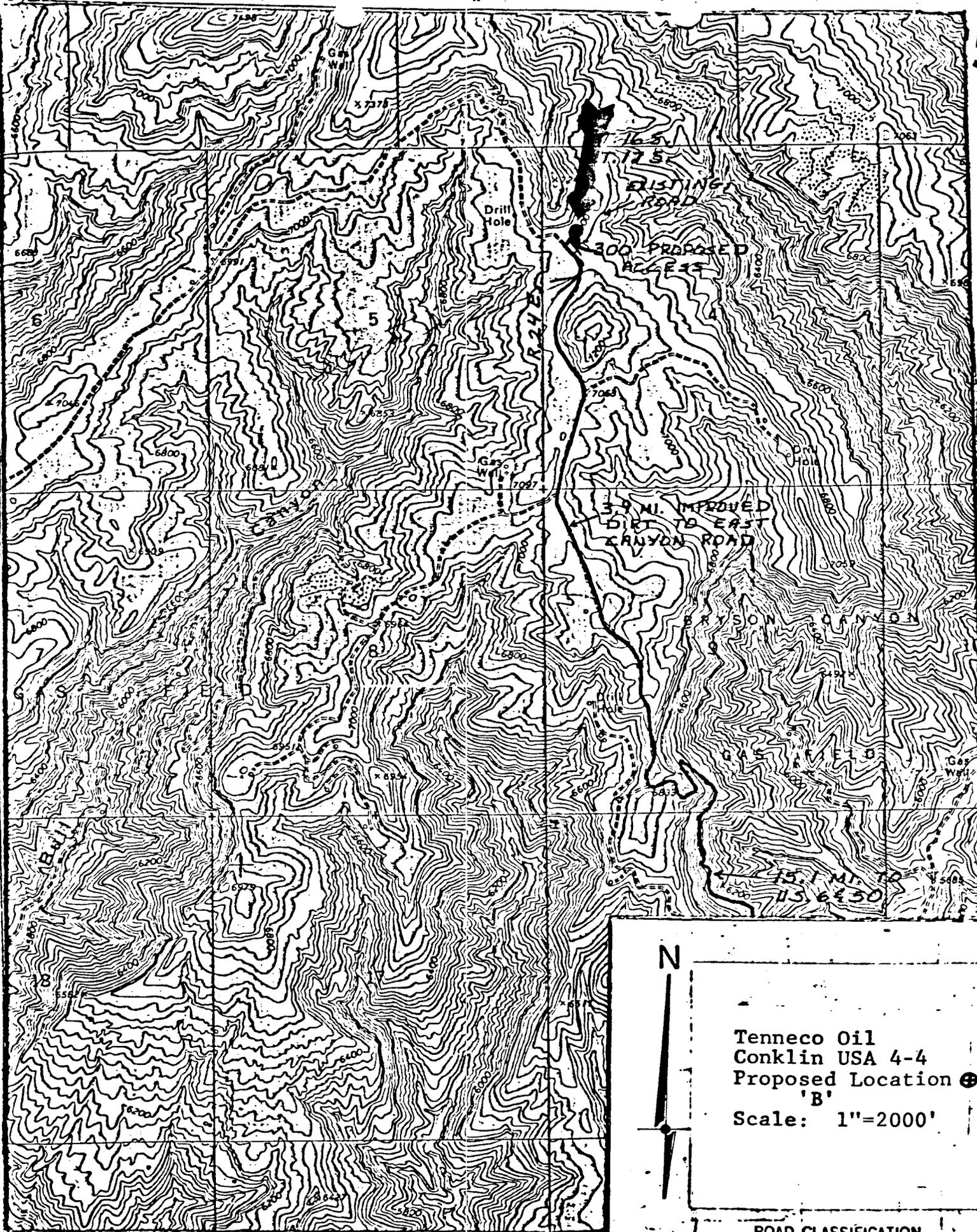
JOB NUMBER
 802741



Tenneco Oil
 Conklin USA 4-4
 Proposed Location ⊕
 'A'
 Scale: 1"=4 Mi.

ROAD CLASSIFICATION

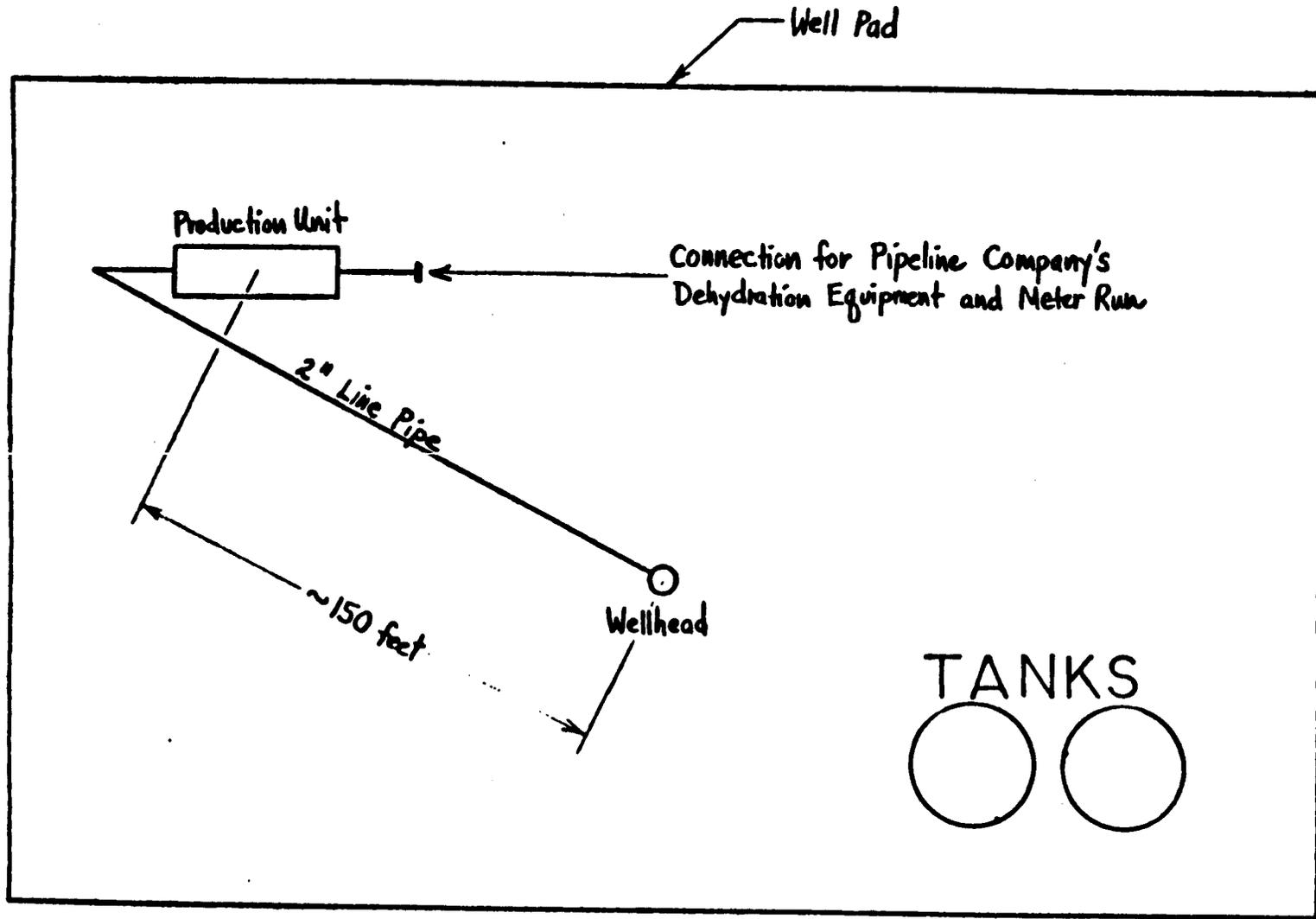
Light-duty ————— Unimproved dirt - - - - -



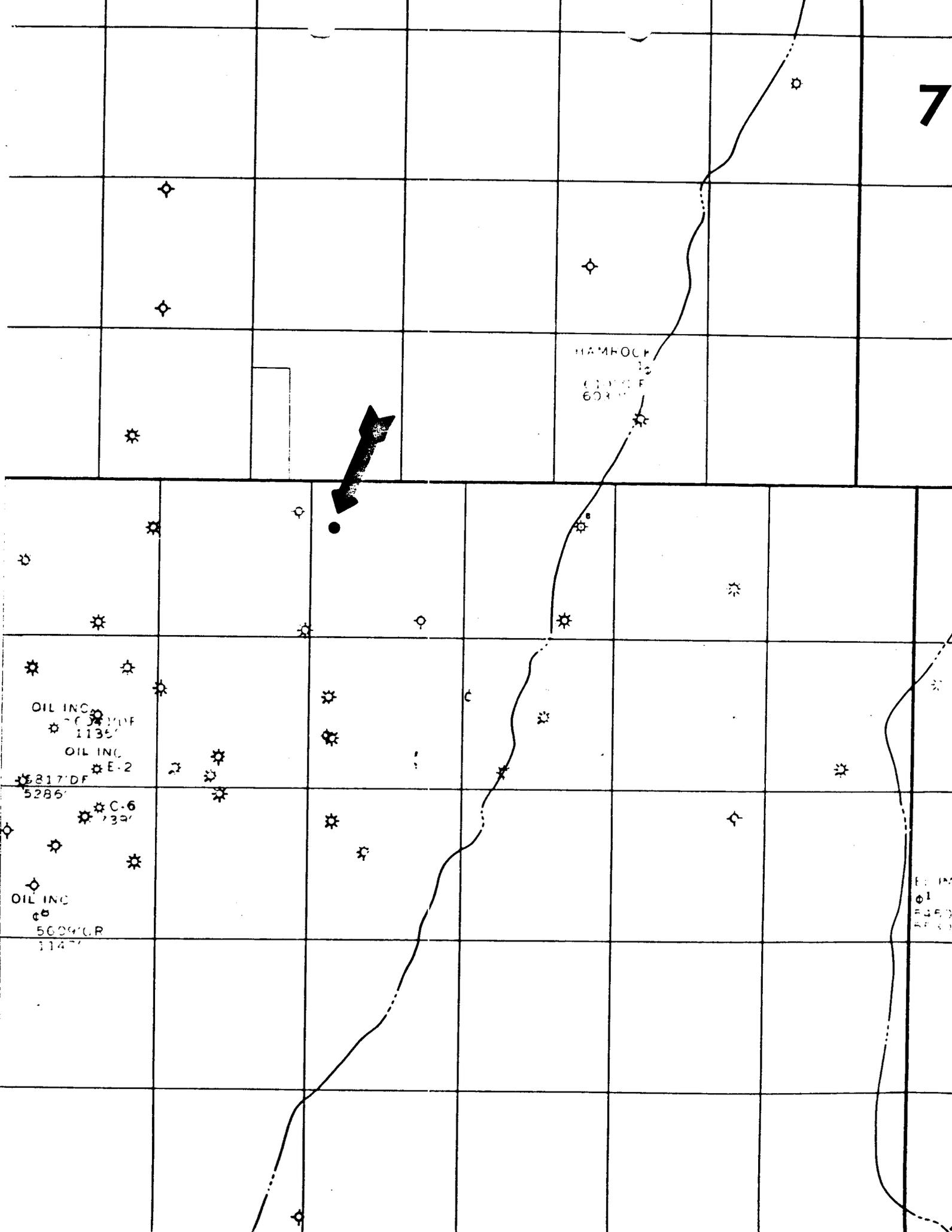
Tenneco Oil
 Conklin USA 4-4
 Proposed Location ⊕
 'B'
 Scale: 1"=2000'

ROAD CLASSIFICATION
 Light-duty ——— Unimproved dirt - - - - -

PROBABLE EQUIPMENT INSTALLATION



NOT TO SCALE



** FILE NOTATIONS **

DATE: May 11, 1981
 OPERATOR: Tenneco Oil Company
 WELL NO: Conklin 4-4
 Location: Sec. 4 T. 17S R. 24E County: Grand

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

API Number 43-019-30803

CHECKED BY:

Petroleum Engineer: W. J. Minder 5-22-81 designated
lay down 300 ac drilling unit in the North 1/2

Director: _____

Administrative Aide: As per Order # below ok on
orders. OK on any other located wells.

APPROVAL LETTER:

Bond Required: Survey Plat Required:
 Order No. 165-4, 6-28-79 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 Plotted on Map

Approval Letter Written

Hot Line P.I.

June 4, 1981

Tenneco Oil Company
P. O. Box #249
Englewood, Colorado 80155

Re: Well No. Conklin 4-4
Sec. 4, T. 17S, R. 24E, SW NW
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. 165-4, dated June 28, 1979. This location is designated as lay down in 320 acre drilling unit in the North 1/4.

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 (aquifers) 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 43-019-30803.

Sincerely,

DIVISION OF OIL, GAS, AND MINING


Michael T. Minder
Petroleum Engineer

MTM/ko
cc: USGS

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

5. LEASE DESIGNATION AND SERIAL NO.
U - 36863

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Conklin

9. WELL NO.
4-4

10. FIELD AND POOL, OR WILDCAT
Byrson Canyon, Morrison

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec 4, T17S, R24E

12. COUNTY OR PARISH
Grand

13. STATE
Utah

22. APPROX. DATE WORK WILL START*
May/June, 1981

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
Tenneco Oil Company

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface
1324' FNL, 552' FWL *NW NW*
At proposed prod. zone
same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approx. 25 miles NW of Mach, Co.

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 552'

16. NO. OF ACRES IN LEASE
632.68

17. NO. OF ACRES ASSIGNED TO THIS WELL
320

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

19. PROPOSED DEPTH
±6475

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
Ground 7010'

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#	±2390'	Circulate to surface
6 1/2"	4 1/2" new	10.5#	±6475	Cover all productive zones

Set 1-3 joints of 9 5/8" casing as needed to be used as conductor pipe.
See attached drilling procedure.
Pre stake clearance attached.
An archaeological survey has been requested.

RECEIVED
JUL 07 1981

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 conditions and measured and true vertical depths. Give blowout preventer program, if any.

24. DIVISION OF OIL, GAS & MINING
SIGNED R.A. Mishler TITLE Senior Production Analyst DATE April 3, 1981

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY WJ Mauter FOR E. W. GUYNN DISTRICT ENGINEER DATE JUL 06 1981

CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

*See Instructions On Reverse Side

FLARING OR VENTING OF GAS IS SUBJECT TO NTL 4-A DATED 1/1/80

NOTICE OF APPROVAL

of State 0 + 3

Identification CER/EA No. 405-81

United States Department of the Interior
Geological Survey
2000 Administration Bldg.
1745 West 1700 South
Salt Lake City, Utah 84104

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator Tenneco Oil Company
Project Type Gas Well
Project Location 1324' FNL 552' FWL Section 4, T. 17S, R. 24E
Well No. Con Klin 4-4 Lease No. U-36863
Date Project Submitted April 8, 1981

FIELD INSPECTION Date May 28, 1981

Field Inspection Participants

<u>Greg Darlington</u>	<u>USGS, Vernal</u>
<u>Elmer Duncan</u>	<u>BLM, Moab</u>
<u>Bob Mishler</u>	<u>Tenneco</u>
<u>Bill Buniger</u>	<u>Buniger Construction</u>
<u>Leonard Lewis</u>	<u>Galley Construction</u>

Related Environmental Documents: Unit Resource Analysis, Book Mountain
Planning Unit, BLM, Moab

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

June 29, 1981

Date Prepared

Greg Darlington

Environmental Scientist

I concur

JUL 02 1981

Date

W. T. Martin

District Supervisor

FOR

E. W. GUYNN
DISTRICT ENGINEER

Typing In 6-9-81 Typing Out 6-9-81

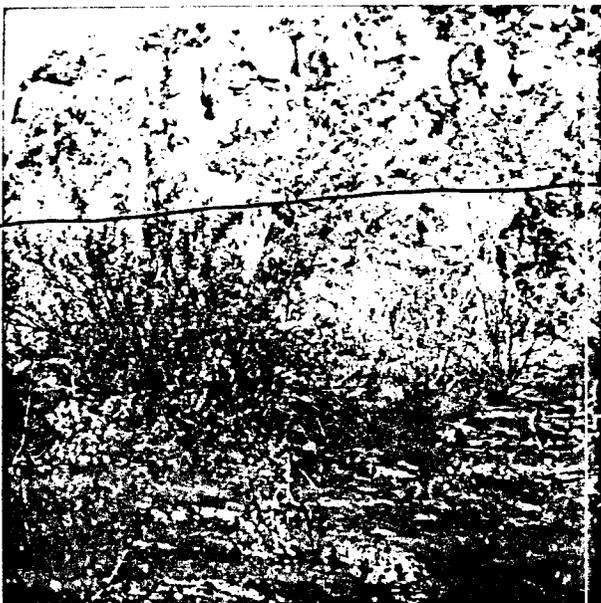
PROPOSED ACTIONS:

Tenneco Oil Company plans to drill the Conklin 4-4 well, a 6475' gas test of the Castlegate and Morrison formations. About 200' of access road will be required and considerable rock and tree removal will also be required to build the location. An area of operations about 250' by 325' will be utilized for the construction of the pad and reserve pits.

RECOMMENDED APPROVAL CONDITIONS:

The operator agrees to accept and adhere to the following conditions in addition to the plans outlined in the APD:

1. BLM Stipulations
2. Lease Stipulations
3. Provide adequate logs for the identification of other minerals as requested in the Mineral Evaluation Report and Mining Report.



North West side of pad
Tenneco Conklin 4-4



North View
Tenneco Conklin 4-4

FIELD NOTES SHEET

Date of Field Inspection: May 28, 1981

Well No.: Conklin 4-4

Lease No.: U-36863

Approve Location: ✓

Approve Access Road: ✓

Modify Location or Access Road: Plans adequate generally

Hard cutting strips on the construction of the location will be needed.

also 4-5 strand barbed wire rather than ^{wire} sheep wire on the
new pits.

Evaluation of Criteria for Categorical Exclusion

1. Public Health and Safety
2. Unique Characteristics
3. Environmentally Controversial Items
4. Uncertain and Unknown Risks
5. Establishes Precedents
6. Cumulatively Significant
7. National Register Historic Places
8. Endangered/Threatened Species
9. Violate Federal, State, Local, or Tribal Laws

If this project is not eligible for Categorical Exclusion circle the numbers of the above criteria requiring the preparation of an EA.

Comments and special conditions of approval discussed at onsite: (include local topography) 200' access road. Location is near an

intersection of two roads one of which will be rerouted
around ~~the~~ the pad to accommodate back-slopes involved in pad
construction. Probably should have routed road access the pad
but we didn't. This would improve drilling conditions and keep
traffic off the pad. Well is in NW NW of an irregularly
shaped section Glenn's notes show 266' from
lease line.

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

Criteria	Federal/State Agency			Local and private correspondence (date)	Previous NEPA	Other studies and reports	Staff expertise	Onsite inspection (date)	Other
	Correspondence (date)	Phone check (date)	Meeting (date)						
516 DM 2.3.A									
Public health and safety							1, 2, 4, 6	May 28, 1981	
Unique characteristics									
Environmentally controversial									
Uncertain and unknown risks									
Establishes precedents									
Cumulatively significant									
National Register historic places									
Endangered/threatened species									
Violate Federal, State, local, tribal law									

CATEGORICAL EXCLUSION REVIEW COMMON REFERENCE LEGEND

1. Surface Management Agency Input
2. Reviews Reports, or information received from Geological Survey
(Conservation Division, Geological Division, Water Resource Division,
Topographic Division)
3. Lease Stipulations/Terms
4. Application Permit to Drill
5. Operator Correspondence
6. Field Observation
7. Private Rehabilitation Agreement
8. *USGS conditions of approval.*



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Moab District
Grand Resource Area
P. O. Box M
Moab, Utah 84532

JUN 16 1981

IN REPLY REFER TO

3109
(U-068)
U-36863

Memorandum

To: Oil & Gas Office
USGS Conservation Division
P. O. Box 1037
Vernal, Utah 84078

From: Area Manager, Grand

Subject: Tenneco Oil Company
Conklin 4-4 Lease #U-36863
SW/NW Section 4, t. 17 S., R. 24 E., SLB&M
Grand County, Utah



On May 28, 1981 a representative from this office met with Greg Darlington, USGS, and Bob Mishler, agent of the Tenneco Oil Co. for an inspection of the above referenced location. Subject to the attached conditions and written approval from USGS, I am approving the surface management portion of the Application for Permit to Drill.

The archaeological requirement has been fulfilled on this location. No threatened or endangered flora or fauna are indicated in the area.

Please forward the enclosed information to Tenneco Oil Company.

Enclosures: (3)
1-Reclamation Procedures
2-Seed Mixture
3-Suggested Colors - Production Facilities

STANDARD STIPULATIONS FOR OIL & GAS EXPLORATION

Contact this office at least 48 hours prior to beginning construction of access road and pad.

Stockpile the surface 12 inches of topsoil in a wind-row one half on the south east quadrant, one half on the north west quadrant of the location.

The upper banks (uphill side) of all cuts will be rounded during construction of the access road and pad.

Notify the BLM District Archaeologist if cultural material from sub-surface deposits is exposed during the operation.

The trash cage will be at the location and fenced with fine mesh wire during drilling operations.

The "blooey" line will be centered and directed into the pit.

If production is obtained, the access road will be upgraded to BLM specifications for long-term roads as outlined in the surface use standards section of the "Oil and Gas" pamphlet (joint BLM, USGS and USFS publication).

If production is obtained, all production facilities will be painted. (See enclosed suggested colors - for facilities).

Rehabilitation of the site and access road will be accomplished in accordance with the enclosed restoration procedures.

Production facilities and pipeline route are approved on this location under lease rights.

As agreed upon at the Pre-drill field examination -

Access -

- 1) A very short section of new road will be constructed from the Paradise Ridge road to the pad. All timber and vegetation removed from the road will be bucked into 4 feet long (maximum) sections and piled with trees taken from the well pad.

Location -

- 1) Pit(s) will be fenced with 5 strands barbed wire on three sides prior to drilling, and on the 4th side prior to rig removal. Pit(s) dikes on three sides (at each end and along the edge of the pad) will be 1.5 - 2.0 feet higher than the level of the pad, constructed in 8 inch soil lifts, and compacted with machinery. Dike tops will be wide enough for machinery to travel over, pit(s) will be centered along the north border of the pad.
- 2) Trees (Pinon & Juniper) removed from the pad will be bucked into 4 feet lengths (maximum) and piled at the north west corner of the pad.
- 3) An area 1.5 cat blades wide will be cleared of all vegetation, exposing the mineral soils, behind the blooey pit.

RECLAMATION PROCEDURES IN GRAND RESOURCE AREA

1. Disk or rip pads and access roads.
 - a. Overlap passes in order to insure complete treatment.
2. Contour pads and access roads.
 - a. Lay berms into centers.
 - b. Use cut material for fill areas.
 - c. Lay stockpiled surface soil over top of pads and spread evenly.
 - d. On highly erosive soils, it may be more beneficial to grade slopes to reduce steepness.
 - e. Do not smooth pads out, leave a roughened surface. On steeper slopes and slopes with clayey soils scarify or serrate the ground in order to increase water infiltration and reduce erosion.
3. Water bar roads where required by this office.

* 2 percent	Grade	-	200 ft. intervals
2-4 percent	Grade	-	100 ft. intervals
4-5 percent	Grade	-	75 ft. intervals
5 percent	Grade	-	50 ft. intervals

* Actual spacing may vary according to soil stability. Lighter textured soils will require more frequent water bars. When natural drainage ways are present, water bars are to be constructed to make maximum use of them. Plan operations so that natural drainage ways do not become blocked.
4. Seed roads and pads in the fall (Oct. through mid-Dec.).

SEED MIXTURE

<u>Species</u>		<u>lbs/ac</u>
<u>Grasses</u>		
Oryzopsis hymenoides	Indian rice grass	1
Hilaria jamesii	Curley grass	1
Elymus salinus	Wildrye	1
<u>Forbs</u>		
Sphaeralcea coccinnia	Globemallow	1
<u>Shrubs</u>		
Cecocarpus montanus	Mountain mahogany	1
Purshia tridentata	Bitterbrush	1
Ephedra nevadensis	Mormon tea	1
	Total	7



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

IN REPLY REFER TO

SUGGESTED COLORS TO PAINT OIL & GAS PRODUCTION FACILITIES

Cisco Desert and Flats below the Bookcliffs:

Dynasty Green	(Sears)
Tumbleweed	(Pratt & Lambert)
Desert Tan	-----
Sage Gray	(Pratt & Lambert)

Bookcliffs Region:

Sage Gray	(Pratt & Lambert)
Sea Life	(Pratt & Lambert)
Dynasty Green	(Sears)

Similar hues other than the ones mentioned above must be approved by the Grand Resource Area Manager.

RECEIVED

JUL 1961

DIVISION OF
OIL, GAS & MINING

U. S. GEOLOGICAL SURVEY - CONSERVATION DIVISION

FROM: : DISTRICT GEOLOGIST, ME, SALT LAKE CITY, UTAH

TO : DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. U-36863

OPERATOR: Tenneco

WELL NO. 4-4

LOCATION: C W 1/2 NW 1/2 sec. 4, T. 17S, R. 24E, SLM

Grand County, Utah

1. Stratigraphy:

Mesaverde surface			
Mancos	1725'	Morrison	6125'
Castlegate	2185'	Salt Wash	6325'
Mancos B	2885'	Entrada	6625'
Dakota Silt	5770'	<u>TD</u>	<u>6475'</u>

2. Fresh Water:

Fresh water may be present in the Mesaverde, Castlegate, and Mancos B.

3. Leasable Minerals:

Coal: Mesaverde (~1200' to ~1600').

4. Additional Logs Needed:

Gamma ray log must be run through coal zone (~1200' to ~1600') for coal identification behind surface casing.

5. Potential Geologic Hazards:

6. References and Remarks:

Signature: Gregory W Wood

Date: 4-30-81



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: See attached

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 as such.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

Cari Furse

Cari Furse
Clerk Typist

Well No. Conklin 4-4
Sec. 3, T. 17S, R. 24E
Grand County, Utah

Well No. Glisson USA #27-2
Sec. 27, T. 17S, R. 25E
Grand County, Utah

Well No. Diamond Canyon Unit #2- State #16-4
Sec. 16, T. 18S, R. 22E
Grand County, Utah

Well No. Tusher Canyon Unit USA 1-2
Sec. 1, T. 20S, R. 18E
Grand County, Utah

Tenneco Oil Exploration and Production

A Tenneco Company

Western Rocky Mountain Division

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

Delivery Address:
6061 South Willow Drive
Englewood, Colorado



March 18, 1982

State of Utah
Natural Resources and Energy
4241 State Office Building
Salt Lake City, UT 84114

L.A.

Attn: Ms. Cari Furse

RE: State Approval of APD's

Dear Ms. Furse:

In reference to your letters dated February 8, 1982 concerning APD's approved by your office, here is the current status of each:

Conklin 4-4
Sec. 4, T17S R24E
Grand, UT

No plans to drill this in 1982
Please return APD

Glisson USA 27-2
Sec. 27, T17S R25E
Grand, UT

No plans to drill this in 1982
Please return APD

Diamond Canyon Unit II State 16-4
Sec. 16, T18S R22E
Grand, UT

We have State approval until
June 30, 1982

Tusher Canyon Unit USA 1-2
Sec. 1, T20S R18E
Grand, UT

No plans to drill this in 1982
Please return APD

USA #15-7
(now named) Diamond Canyon
Unit II USA 15-7
Sec. 15, T18S R22E
Grand, UT

No plans to drill this in 1982
Please return APD

USA #20-11
Sec. 20, T18S R24E
Grand, UT

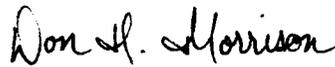
No plans to drill this in 1982
Please return APD

Page 2
State of Utah
March 18, 1982

We apologize for the lateness in responding to your letters. They were sent to the wrong people in our department. In the future, to facilitate a quicker response to matters concerning APD's, sundry notices and like regulatory reports, please send letters to the attention of either: Mr. Lee Freeman, Administrative Supervisor - Regulatory Reporting or myself.

Very truly yours

TENNECO OIL COMPANY

A handwritten signature in cursive script that reads "Don H. Morrison".

Don H. Morrison
Production Analyst

DHM:jt