

BEARTOOTH OIL & GAS COMPANY

P.O. Box 2564
Billings, Montana 59103
(406) 259-2451

RECEIVED

JUL 16 1984

DIVISION OF OIL
GAS & MINING

July 13, 1984

Bureau of Land Management
136 E. S. Temple
Salt Lake City, Utah 84111

Gentlemen:

Enclosed please find Applications for Permit to Drill covering our North Bar X Federal No. 2 and Bryson Canyon Unit No. 18 wells in Grand County, Utah, for your approval.

Also enclosed are Designation of Operator forms from Getty Oil Company covering the North Bar X Federal No. 2 well.

Yours very truly,

BEARTOOTH OIL & GAS COMPANY



Grace E. Brown
Drilling Department

gb

cc: Division of Oil, Gas & Mining
4241 State Office Building
Salt Lake City, Utah 84114

*Designation Operator
not received / requested same
7/25/84*

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

5. LEASE DESIGNATION AND SERIAL NO.
U-29334

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
North Bar X Federal No. 2

10. FIELD AND POOL, OR WILDCAT
Undesignated

11. SEC., T. R., M., OR BLK. AND SURVEY OR AREA
SE 1/4 NW 1/4 Sec. 6-17S-26E

12. COUNTY OR PARISH 13. STATE
Grand Utah

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
Bearthooth Oil & Gas Company

3. ADDRESS OF OPERATOR
P. O. Box 2564, Billings, Montana 59103

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface 1637' FNL, 1422' FWL, Section 6
At proposed prod. zone same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
20 miles northwest of Mack, Colorado

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 124'

16. NO. OF ACRES IN LEASE 160

17. NO. OF ACRES ASSIGNED TO THIS WELL 480

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. None

19. PROPOSED DEPTH 4020'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5356' GL, 5367' KB

22. APPROX. DATE WORK WILL START*
August 10, 1984

23. PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|--------------------------------|
| 12-1/4" | 8-5/8" new | 24# H-40 STC | 300' | 175 sacks Class "G" to surface |
| 7-7/8" | 4-1/2" new | 10.5# J-55 LTC | 4020' | 175 sacks RFC |

- Surface formation is the Mancos.
- Anticipated geologic markers are: Frontier 3018', Dakota 3410', Morrison 3545', Salt Wash 3914'.
- Gas is anticipated in the Dakota, Morrison and in the Salt Wash. No oil or other minerals are anticipated. No water sands are expected.
- Proposed casing program: See Item No. 23 above.
- Pressure control equipment: See attached well-control plan and schematic of drilling contractor's BOP stack. BOP's will be tested before drilling out from under surface casing and checked daily.
- Air or mist drilling will be used to drill the surface hole unless water is encountered. If water is encountered, chemical-gel type mud will be used. The well will be air drilled from under surface casing to total depth.
- Auxiliary equipment: See well control plan.
(continued on back page)

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.

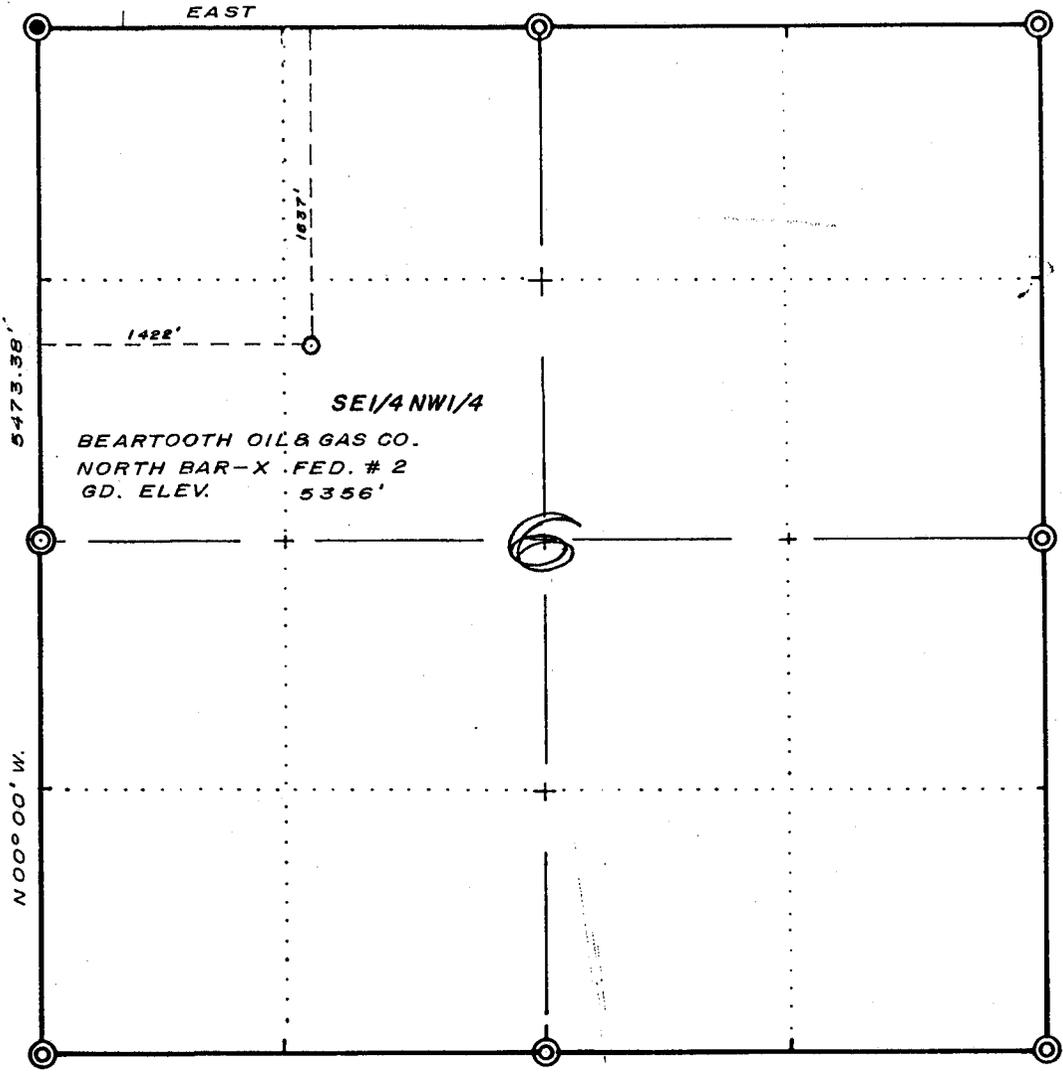
24. SIGNED James G. Routson TITLE Petroleum Engineer DATE 7/12/84
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 7/25/84
BY: John R. Dwyer

SEC. 6 , T. 17 S. , R. 26 E. OF THE S. L. M.



- SCALE**
500' 0' 1000'
- LEGEND**
- ⊙ STANDARD LOCATION OF GLO SECTION CORNERS
 - ⊙ GLO CORNERS FOUND
 - WELL LOCATION STAKED.
- REFERENCE DOCUMENTS**
- GLO PLAT
 - BAR-X WASH, UT-CO. QUADRANGLE, USGS

THIS WELL LOCATION PLAT WAS PREPARED FOR BEARTOOTH OIL & GAS CO.
 TO LOCATE THE NORTH BAR-X FEDERAL #. 2 , 1637' F.N. L. &
1422' F.W. L. IN THE SE 1/4 NW 1/4 , OF SECTION 6 , T. 17S. , R. 26 E.
 OF THE S.L.M. , GRAND COUNTY, UTAH



SURVEYOR'S CERTIFICATE

I, LARRY D. BECKER 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.

Larry D. Becker

| | | | | |
|----------|--------|--|--|------------------|
| SURVEYED | 7-2-84 | ENERGY SURVEYS & ENGINEERING CORP. | 715 HORIZON DRIVE, SUITE 330 GRAND JUNCTION, CO 81501 (303) 245-7221 | SCALE 1" = 1000' |
| DRAWN | 7-5-84 | | | JOB NO. |
| CHECKED | 7-5-84 | | | SHEET OF |

PLAN OF DEVELOPMENT
FOR SURFACE USE FOR THE
BEARTOOTH OIL & GAS COMPANY

NORTH BAR X FEDERAL NO. 2
SW $\frac{1}{4}$ NW $\frac{1}{4}$, Section 6-17S-26E
Grand County, Utah

1. Existing Roads - a legible map showing:

- A. Proposed well site as staked. (Actual staking should include two each 200-foot directional reference stakes.): See Survey Plat No. 1
- B. Route and distance from nearest town or locatable reference point to where well access route leaves main road: This proposed well is about 17 air miles northwest of Mack, CO. It is reached by going 9.5 miles west of Mack on Old Hwy. 6 & 50 to Mesa County 2 Road, then turn right and go 3.9 miles to the Co-Utah State Line, turn right and go 4.0 miles up the State Line Fence Road, turn left and go 0.5 miles, turn right and go 1.6 miles to the beginning of the 0.1 mile of new access road.
- C. Access road(s) to location color-coded or labeled: See Vicinity and Topo Maps. The existing road is colored green
- D. If exploratory well, all existing roads within a 3-mile radius (including type of surface, conditions, etc.): N/A
- E. If development well, all existing roads within a 1-mile radius of wellsite: All existing roads are shown on the Vicinity and Topo maps
- F. Plans for improvement and/or maintenance of existing roads: Only the last 2.1 miles of existing road is not County Road. This 2.1 miles of road will be maintained by Beartooth as a BLM-Moab Class III road. The southern boundary of this drilling unit is the south line of the N $\frac{1}{2}$ S $\frac{1}{2}$ Sec. 6-T17S-R26E, therefore, Beartooth hereby applies for an access road R/W from the State Line Fence county road to the drilling unit boundary.

2. Planned Access Roads - see Topo Map

Map showing all necessary access roads to be constructed or reconstructed, showing:

- (1) Width & Disturbance: The 0.1 mile of new road will be constructed with an 18 foot driving surface and a 40 foot total disturbed width. The road will be ditched and crowned. The sagebrush will be windrowed to the upper side of the road area.
- (2) Maximum grades: The maximum grade is 4%.
- (3) Turnouts: No turnouts are planned.
- (4) Drainage design: Natural drainage; road will follow contour of the land.
- (5) Location and size of culverts and brief description of any major cuts and fills: No culverts are planned. Runoff will be taken across the road through water dips.
- (6) Surfacing material: Native material only; no material will be brought in.
- (7) Necessary gates, cattleguards, or fence cuts: N/A
- (8) New or reconstructed roads are to be center-line flagged at time of location staking: The road is flagged.

3. Location of Existing Wells

Two-mile radius map if exploratory, or 1-mile radius map if development well showing and identifying existing (see Well Map No.3)

- (1) Water wells: None
- (2) Abandoned wells: None
- (3) Temporarily abandoned wells: None
- (4) Disposal wells: None
- (5) Drilling wells: None
- (6) Producing wells: Two
- (7) Shut-in wells: Three
- (8) Injection wells: None
- (9) Monitoring or observation wells for other resources: None

4. Location of Existing and/or Proposed Facilities

A. Within 1-mile radius of location show the following existing facilities owned or controlled by lessee/operator:

- 1. Tank batteries: None
- 2. Production facilities: Separator and dehydrators at Palmer Fed. 5-4 and Palmer State No 32-11 shown on Well Map.
- (3) Oil gathering lines: None
- (4) Gas gathering lines: See pipeline map; all lines are buried
- (5) Injection lines: None
- (6) Disposal lines: None

(Indicate if any of the above lines are buried.)

B. If new facilities are contemplated, in the event of production, show:

- (1) Proposed location and attendant lines by flagging if off of well pad: Off pad gathering lines not designed at this time.
- (2) Dimensions of facilities: See Plat No. 5. Separator 5' x 10', meter run 5' x 8', on drillsite pad and painted green to blend with the environment.
- (3) Construction methods and materials: No materials necessary. All lines will be coated, wrapped, and buried. See Plat No. 5.
- (4) Protective measures and devices to protect livestock and wildlife: A 10' x 10' water pit within 50' of the separator will be fenced. A metal guard or fiberglass shelter will be around the wellhead.

4. Location of Existing and/or Proposed Facilities (Continued)

- C. Plan for rehabilitation of disturbed areas no longer needed for operations after construction is completed: Upon completion of the drilling of this well, all pits will be backfilled and top soil replaced and re-contoured back to original terrain. Upon abandonment, all disturbed areas, including the location and access road, will be re-contoured, ripped or scarified as needed, and re-vegetated using a seed formula as specified by the BLM. Seeding will be done in the fall.
- _____
- _____
- _____

5. Location and Type of Water Supply

- A. Show location and type of water supply either on map or by written description: The water source for this well is West Salt Creek. The pick up point is on Old Hwy 6 & 50 2.5 miles west of Mack, Colorado.
- _____
- _____
- B. State method of transporting water and show any roads or pipelines needed: Water will be transported by truck over the existing roadways and proposed access.
- _____
- C. If water well is to be drilled on lease, so state. (No APD for water well is necessary, however, unless it will penetrate potential hydrocarbon horizons): No water well is to be drilled.
- _____
- _____

6. Source of Construction Materials

- A. Show information either on map or by written description: No construction materials will be used other than native materials.
- _____
- _____
- B. Identify if from Federal or Indian land: Not applicable.
- _____
- C. Describe where materials, such as sand, gravel, stone, and soil material are to be obtained and used: Soil from cuts will be used for fills. No outside material will be brought in.
- _____
- _____
- D. Show any needed access roads crossing Federal or Indian lands under Item 2:
- _____
- _____

7. Methods for Handling Waste Disposal

Describe methods and location of proposed containment and disposal of waste material, including:

- (1) Cuttings: Cuttings will be buried in the reserve pit.
- _____
- _____
- (2) Drilling fluids: Drilling fluids will be handled in the reserve pit and left to evaporate.
- _____
- _____
- (3) Produced fluids (oil, water): Any fluids produced during drilling test or while making production test will be collected in a test tank. If a test tank is not available during drilling, fluids will be handled in reserve pit. Any spills of oil, gas, salt water or other noxious fluids will be cleaned up and removed. If well is productive, produced water will be disposed of onsite for 30 days only, or 90 days with permission of District Manager. After that time, application will be made for approval of permanent disposal method in compliance with NTL-2b, and the rules and regulations of the State of Utah.
- _____
- _____

7. Methods for Handling Waste Disposal (Continued)

- (4) Sewage: Human waste will be disposed of in chemically treated sanitary pits.
- (5) Garbage and other waste material (trash pits should be fenced with small mesh wire to prevent wind scattering trash before being burned or buried): Garbage, waste, salts and other chemicals produced during drilling or testing will be handled in a trash cage. The trash cage will be totally enclosed with small mesh wire to prevent wind scattering trash before being removed. Reserve pit will be fenced on 3 sides during drilling and closed off on the 4th side at the time of rig release.
- (6) Statement regarding proper cleanup of wellsite area when rig moves out: Drilling fluid in pit, which will be very minimal due to air drilling, will be left to dry, if necessary. After pit area is sufficiently dry, cuttings will be pushed into pit and sub-soil placed on top of any remaining fluid and cuttings; then top soil will be used to cover both pit and location area.

8. Ancillary Facilities

Identify all proposed camps and airstrips on a map as to their location, area required and construction methods. (Camp center and airstrip center lines to be staked on the ground): No air strip, camp or other facilities will be built during drilling of this well.

9. Wellsite Layout

A plat (not less than 1" = 50') showing:

- (1) Cross sections of drill pad with cuts and fills: See Plat No. 3
One small drainage will be routed around the location.
- (2) Location of mud tanks, reserve, burn and trash pits, pipe racks, living facilities, and soil material stockpiles: See Plats Nos. 2 and 4
Top soil and the associated brush will be stockpiled along the southwest side of the location.
- (3) Rig orientation, parking areas and access roads: See Plat No. 4
- (4) Statement as to whether pits are to be lined or unlined. (Approval as used in this section means field approval of location. All necessary staking of facilities may be done at the time of field inspection. A registered surveyor is not mandatory for such operations): Pits will be unlined.

10. Plans for Restoration of Surface

State restoration program upon completion of operations, including:

- (1) Backfilling, leveling, contouring and waste disposal; segregation of spoils materials as needed: If well is abandoned, site will be restored to original condition as nearly as possible. Backfilling, levelling, and contouring are planned as soon as all pits have dried. Waste disposal and spoils materials will be buried or hauled away immediately to an approved sanitary land fill after drilling is completed. If production is obtained, the unused area will be restored as soon as possible.
- (2) Revegetation and rehabilitation, including access roads (normally per BLM recommendations): The soil banked material will be spread over the area. Re-vegetation will be accomplished by planting mixed grasses as per BLM specifications.
- (3) Prior to rig release, pits will be fenced and so maintained until clean-up: Three sides of the reserve pit will be fenced during drilling and closed off on the 4th side following rig release to prevent livestock or wildlife from entering; and the fencing will be maintained until leveling and cleanup are accomplished.

10. Plans for Restoration of Surface (Continued)

- (4) If oil on pit, remove oil or install overhead flagging: If any oil is on the pits and is not immediately removed or burned after operations cease, the pit containing the oil or other adverse substances will be flagged overhead or covered with wire mesh.
- (5) Timetable for commencement and completion of rehabilitation operations: The rehabilitation operations will begin immediately after the drilling rig is removed. Removal of oil or other adverse substances will begin immediately or area will be flagged and fenced. Other cleanup will be done as needed. Planting and re-vegetation is considered best in the fall, between Sept. 15 and Nov. 15.

11. Other Information

General description of:

- (1) Topography, soil characteristics, geologic features, flora and fauna: The location is in a gently sloping sagebrush flat on the upper reaches of the Mancos Desert floor.
The great sabertooth cedar gnat is the most common form of wildlife.
- (2) Other surface use activities and surface ownership of all involved lands: All lands involved with new construction are Federal lands.
- (3) Proximity of water, occupied dwellings, archeological, historical or cultural sites: A cultural resource survey of the location is being made and the report will be filed with the BLM in Moab.

12. Lessee's or Operator's Representative

Include the name, address and phone number of the lessee's or operator's field representative who is responsible for assuring compliance with the approved surface use and operations plan:

James G. Routson
 Beartooth Oil & Gas Company
 P. O. Box 2564
 Billings, MT 59103
 Office Ph: 406-259-2451
 Home Ph: 406-245-8797

Ken Currey
 Box 1491
 Fruita, CO 81521
 Mobile Phone: 303-245-3660 Unit 5858
 Home Ph; 303-858-3257

13: Certification

The following statement is to be incorporated in the plan and must be signed by the lessee's or operator's field representative who is identified in Item No. 12 of the plan:

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

7-12-84
Date

Kenneth A. Currey

WELL CONTROL PLAN

1. Surface Casing: 8-5/8" O.D., 24#/ft., Grade H-40, ST&C, set at 300' or deeper, cemented with pump and plug method back to the surface or bottom of cellar.
2. Casinghead Flange: 8-5/8" x 8" - 900 Series casinghead with two 2" 2000 psi L.P. outlets.
3. Intermediate Casing: None
4. Blowout Preventor: An 8" 3000 psig W.P. double gate hydraulic shaffer BOP (or equivalent) with drill pipe rams and blind rams. All fill, kill and choke lines will be minimum of 2" 2000 psi W.P. A Grant rotating head will be used while air and mist drilling. BOP's will be worked daily. Blind rams will be checked during trips. BOP's will be tested to 1000 psi prior to drilling shoe joint on surface casing.
5. Auxiliary Equipment: (a) Drill pipe floats will be allowed at contractor's discretion. (b) Visual monitoring of air returns will be maintained. (c) Upper kelly cock will be used. (d) Stabbing valve will be kept on floor.
6. Anticipated bottom hole pressure is less than 900 psi at 4000' or a gradient of .225 psi/ft or less. No abnormal temperatures or hydrogen sulfide gas are anticipated.

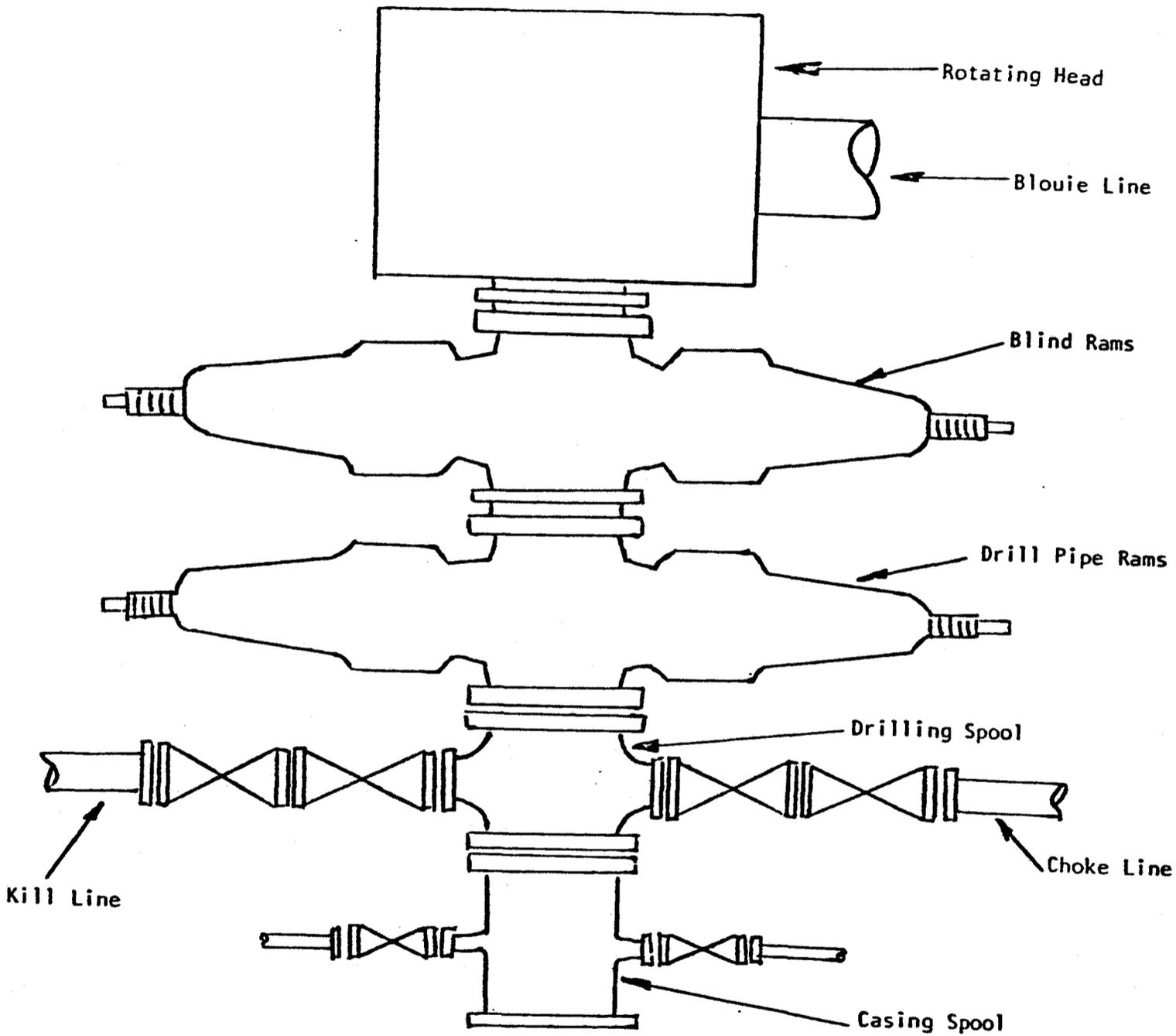
BEARTOOTH OIL & GAS COMPANY


James G. Routson
Petroleum Engineer

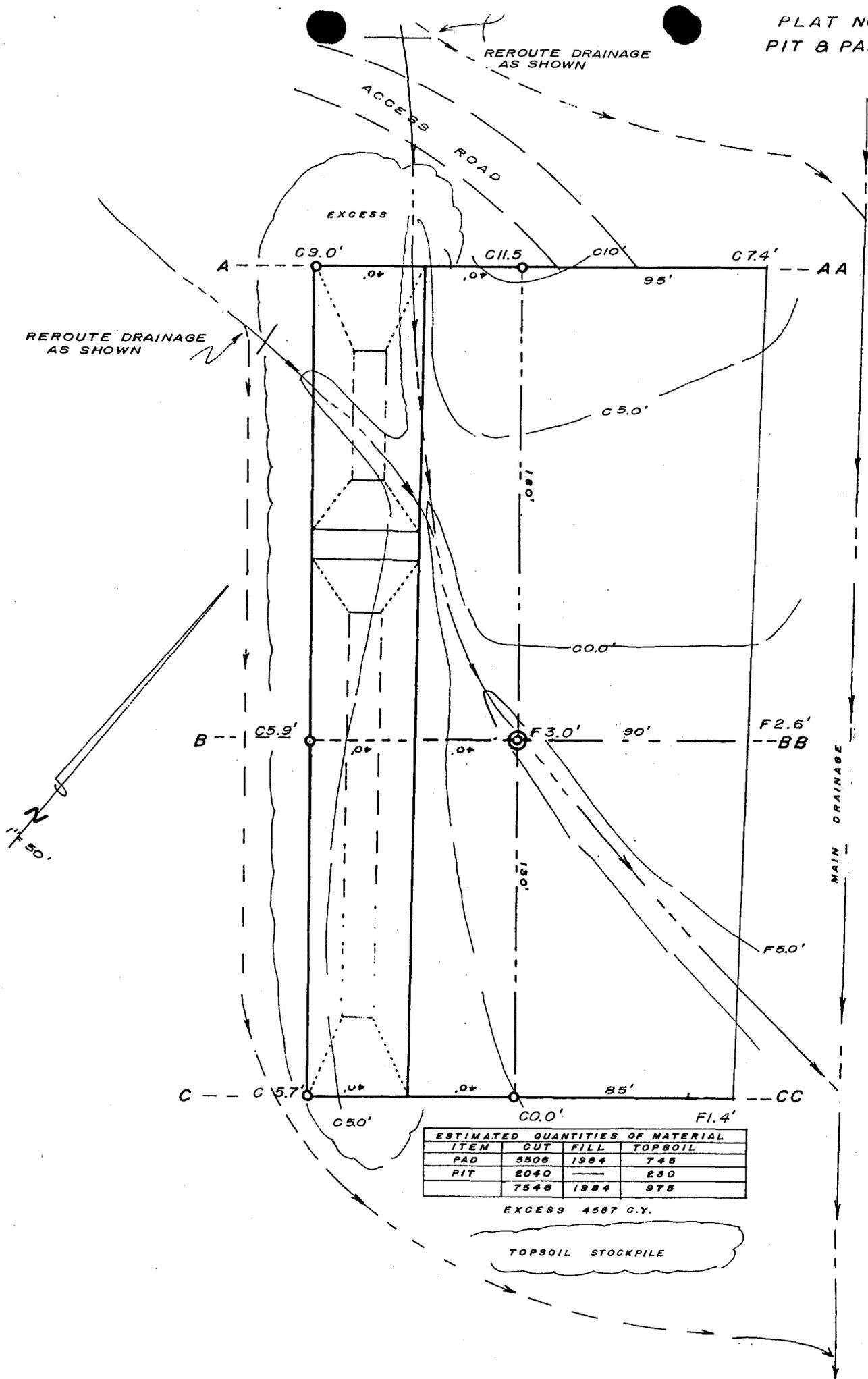
SCHEMATIC OF BOP STACK

Air drilled wells using 900 series wellhead equipment.

Interval from 300' to total depth.



PLAT NO. 2
PIT & PAD LAYOUT

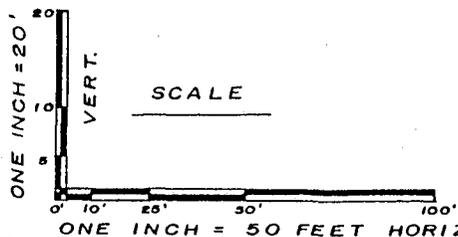
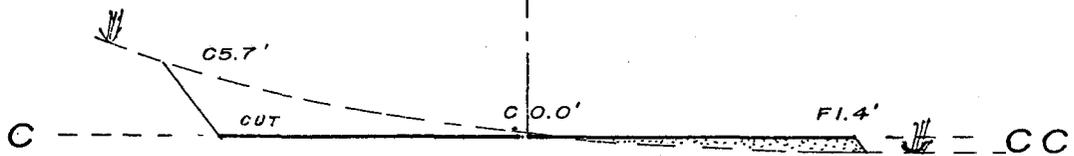
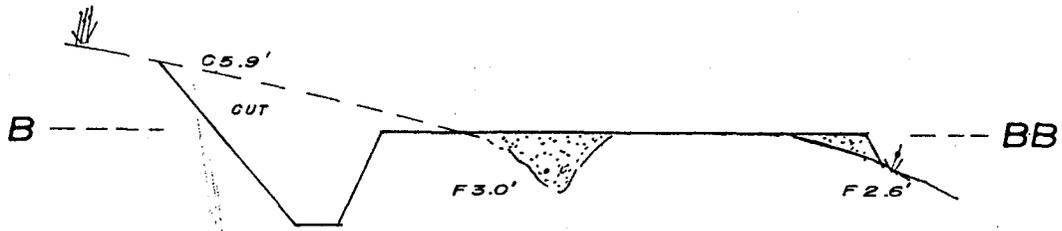
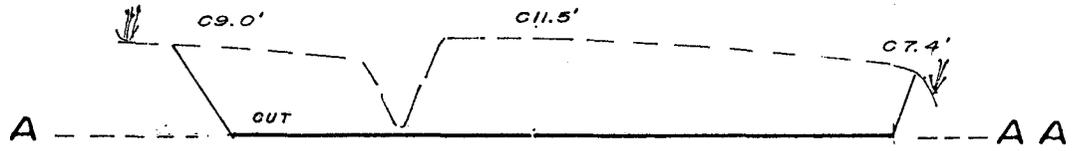


| ESTIMATED QUANTITIES OF MATERIAL | | | |
|----------------------------------|------|------|---------|
| ITEM | CUT | FILL | TOPSOIL |
| PAD | 5506 | 1984 | 748 |
| PIT | 2040 | — | 230 |
| | 7546 | 1984 | 978 |

EXCESS 4507 C.Y.

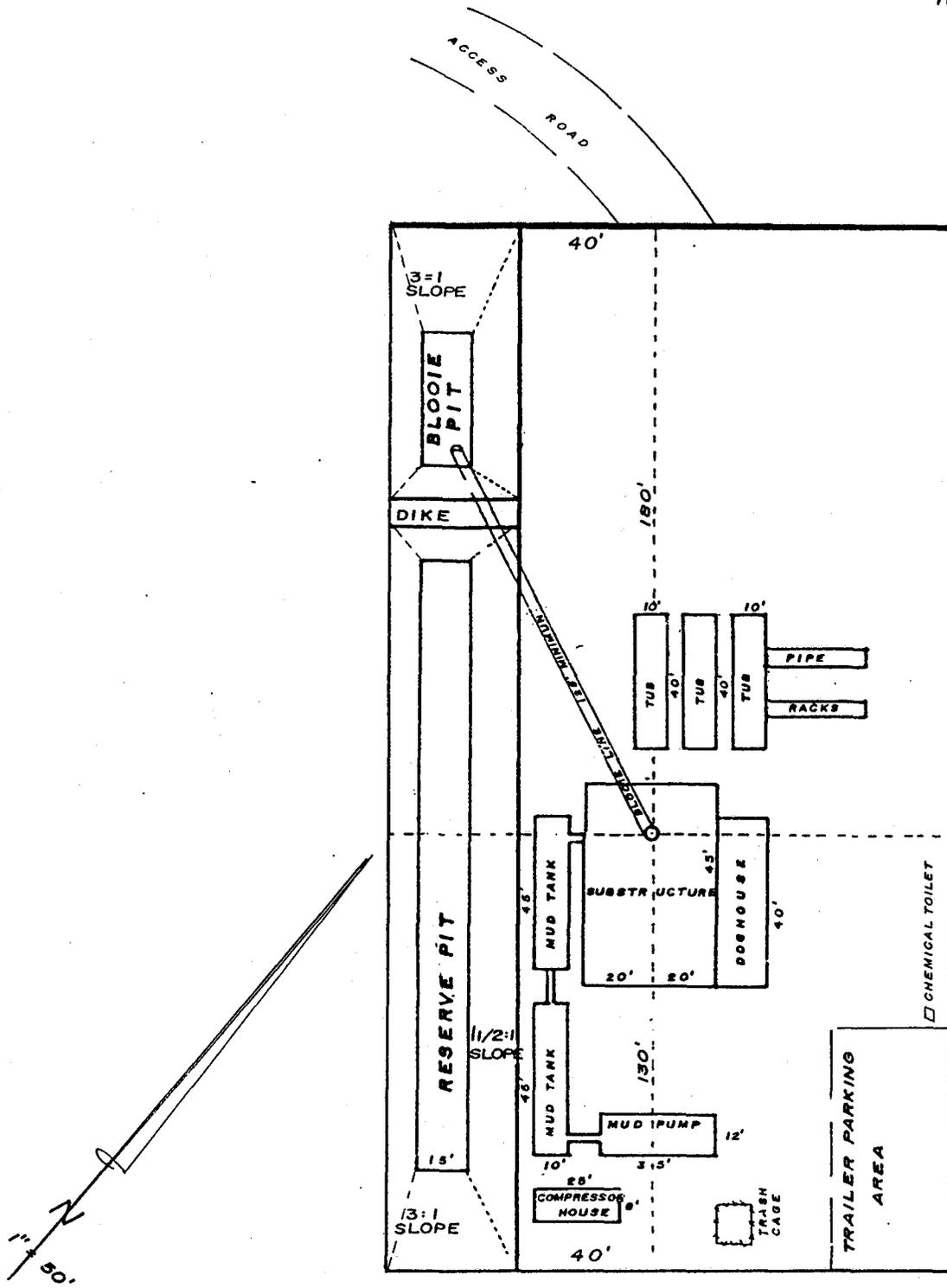
TOPSOIL STOCKPILE

CROSS-SECTIONS
OF PIT & PAD

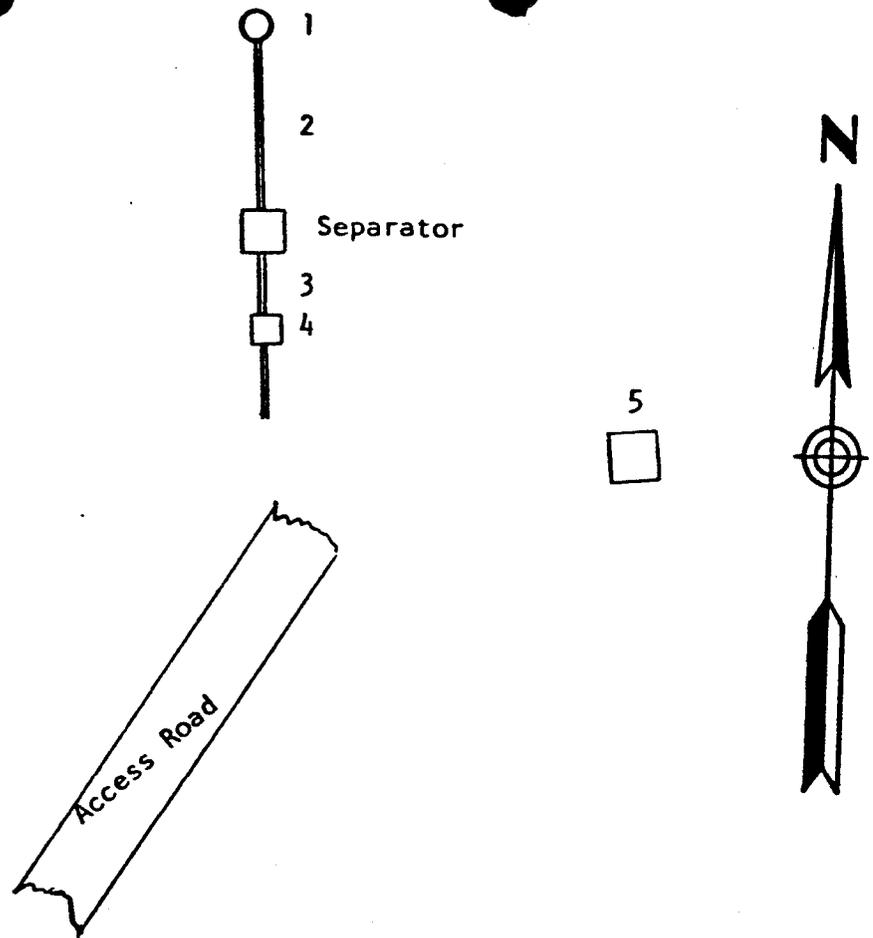


BEARTOOTH OIL & GAS CO.
NORTH BAR-X FED. # 2

PLAT NO. 4
RIG LAYOUT

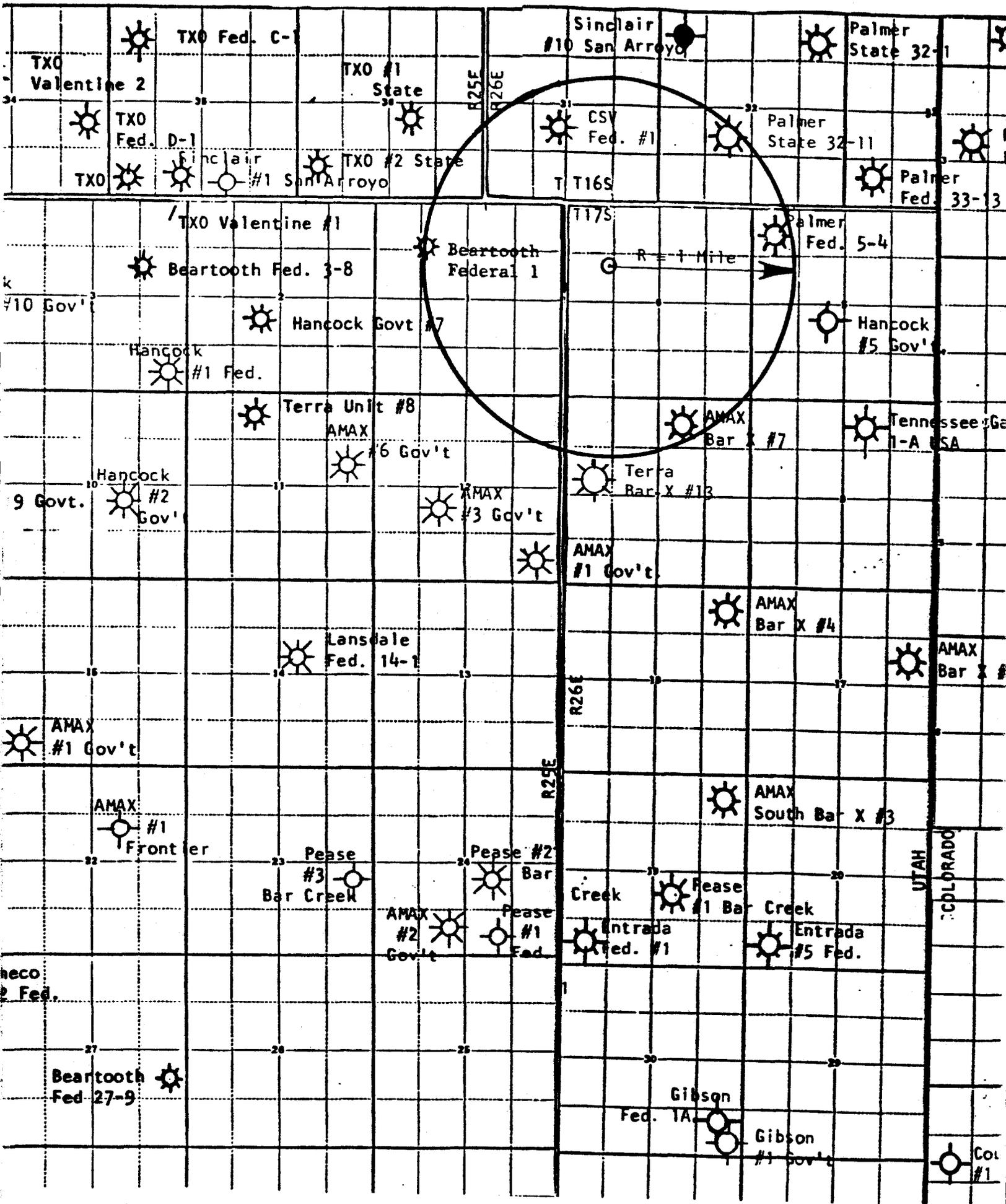


BEARTOOTH OIL & GAS CO.
NORTH BAR-X FED. # 2

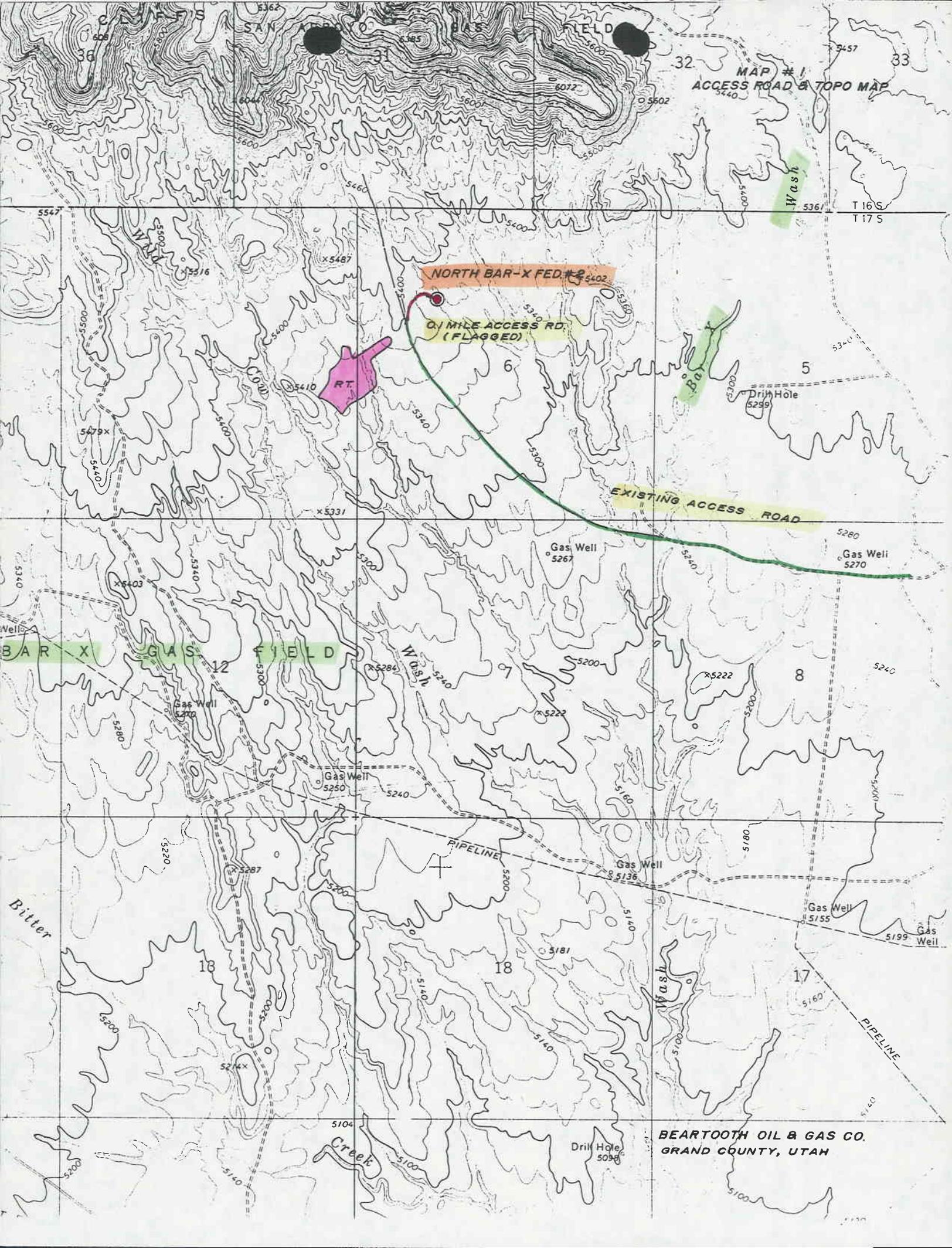


1. Wellhead will be an 8-5/8" Larkin Fig. 92 or equivalent. Tubing head will be a 4½" x 6" - 900 Series with two 2" 3000 psi screwed valves. Tree will be 2" screwed x 2000 psi W.P.
2. Line between wellhead and separator will be approximately 100 feet in length and constructed of 2-3/8" .218 wall seamless, welded, wrapped and buried

MAP NO. 3
WELL MAP
NORTH BAR-X FEDERAL NO. 2



MAP #1
ACCESS ROAD & TOPO MAP



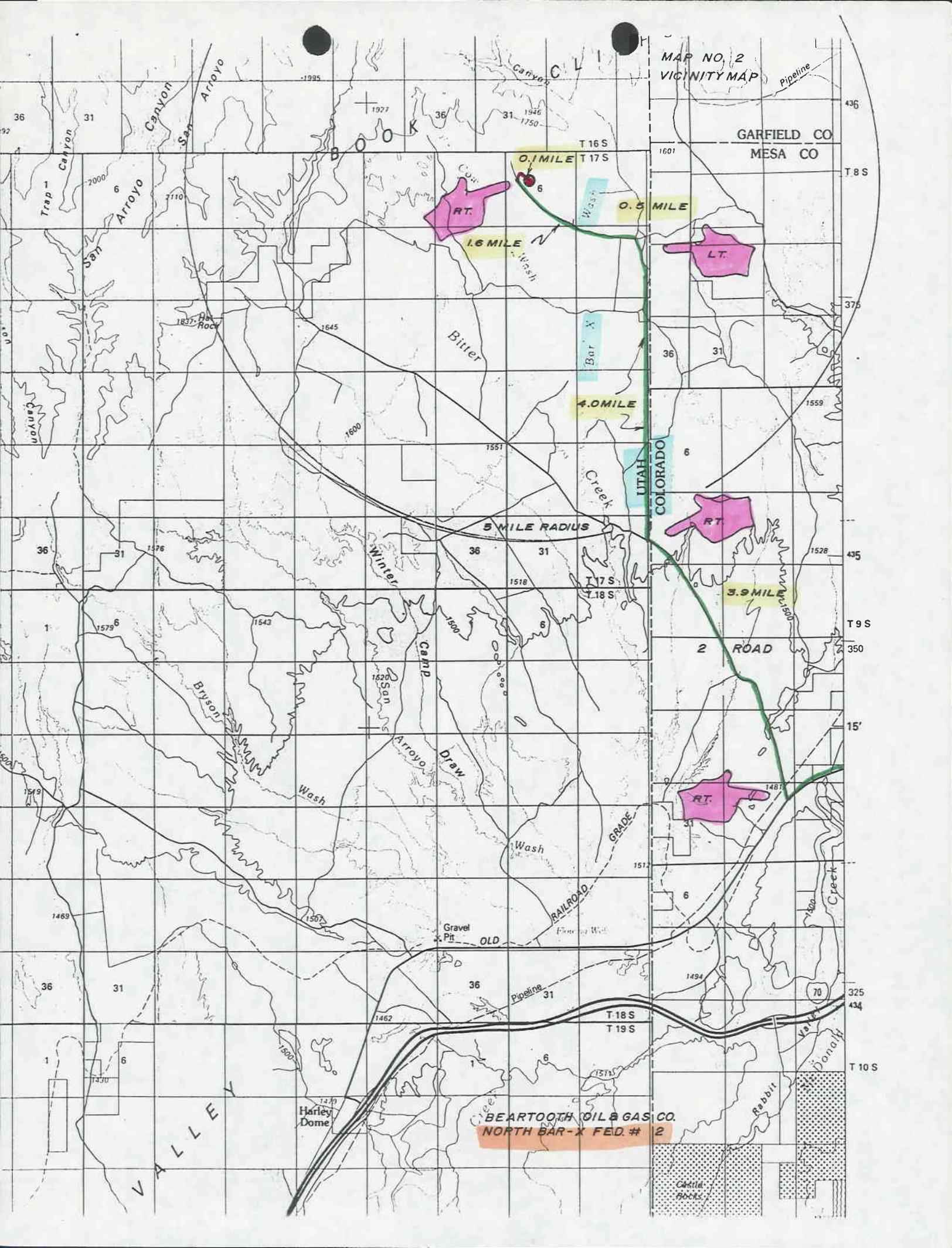
BEARTOOTH OIL & GAS CO.
GRAND COUNTY, UTAH

MAP NO. 2
VICINITY MAP

GARFIELD CO
MESA CO

UTAH
COLORADO

BEAR TOOTH OIL & GAS CO.
NORTH BAR-X FED. # 2



UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

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

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

2. NAME OF OPERATOR Beartooth Oil & Gas Company

3. ADDRESS OF OPERATOR P. O. Box 2564, Billings, Montana 59103

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) At surface 1637' FNL, 1422' FWL, Section 6 At proposed prod. zone same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 20 miles northwest of Mack, Colorado

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 124'

16. NO. OF ACRES IN LEASE 160

17. NO. OF ACRES ASSIGNED TO THIS WELL 480

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. None

19. PROPOSED DEPTH 4020'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5356' GL, 5367' KB

22. APPROX. DATE WORK WILL START* August 10, 1984

23. PROPOSED CASING AND CEMENTING PROGRAM

Table with 5 columns: SIZE OF HOLE, SIZE OF CASING, WEIGHT PER FOOT, SETTING DEPTH, QUANTITY OF CEMENT. Rows include 12-1/4" hole with 8-5/8" casing and 7-7/8" hole with 4-1/2" casing.

- 1. Surface formation is the Mancos.
2. Anticipated geologic markers are: Frontier 3018', Dakota 3410', Morrison 3545', Salt Wash 3914'.
3. Gas is anticipated in the Dakota, Morrison and in the Salt Wash. No oil or other minerals are anticipated. No water sands are expected.
4. Proposed casing program: See Item No. 23 above.
5. Pressure control equipment: See attached well control plan and schematic of drilling contractor's BOP stack. BOP's will be tested before drilling out from under surface casing and checked daily.
6. Air or mist drilling will be used to drill the surface hole unless water is encountered. If water is encountered, chemical-gel type mud will be used. The well will be air drilled from under surface casing to total depth.
7. Auxiliary equipment: See well control plan.
(continued on back page)

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 James G. Routson TITLE Petroleum Engineer DATE 7/12/84

PERMIT NO. 13/ GAMA NUMBER APPROVAL DATE DISTRICT MANAGER

APPROVED BY CONDITIONS OF APPROVAL, IF ANY: TITLE DATE 24 JUL 1984

SUBJECT TO RIGHT OF WAY APPROVAL

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

CONDITIONS OF APPROVAL ATTACHED

Shaw, Nat. Boom

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

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 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

GOVERNMENT PRINTING OFFICE : 1981 O - 345-739

8. The logging program will consist of a DIL log from TD to base of surface casing, and GR-FDC-CNL logs from TD to above the Frontier. No cores or DST's are planned.
9. No abnormal pressures or temperatures are anticipated. No poisonous gas is anticipated.
10. Anticipated spud date is August 10, 1984. Completion operations should commence within 30 days of rig release.
11. Survey plats are attached.
12. The gas is not dedicated.
13. The spacing unit will be the $N\frac{1}{2}$, $N\frac{1}{2}S\frac{1}{2}$ of Section 6.
14. Designation of Operator forms from Getty have been sent to the BLM in Moab, Utah.
15. The well will be drilled under Getty's bond.

CONDITIONS OF APPROVAL FOR PERMIT TO DRILL

Beartooth Oil & Gas Co.
Well: North Bar X #2
Sec. 6, T.17 S., R.26 E.
Lease No: U-29334
Inspection Date: 07/18/84

1. Seed List

| <u>Grasses</u> | | <u>lbs/acre</u> |
|------------------------|-----------------------|-----------------|
| Hilaria jamesii | Galleta (Curlygrass) | 2 |
| Oryzopsis hymenoides | Indian ricegrass | 2 |
| Sporobolus cryptandrus | Sand dropseed | 2 |
| <u>Forbs</u> | | |
| Melilotus officinalis | Yellow sweetclover | 1 |
| Sphaeralcea coccinea | Scarlet globemallow | 1 |
| <u>Shrubs</u> | | |
| Eurotia lanata | Winterfat (Whitesage) | 2 |

ONSITE

DATE: July 18, 1984

PARTICIPANTS:

TITLES:

Your contact with the District Office is: Robert (Bob) Graff

Office Phone: 801-259-6111 Ext 216

City: Moab State: Utah

Resource Area Manager's address and contacts are:

Grand Resource Area
Address: Old Sand Flat Road, P.O. Box M,

Your contact is: Paul Brown

Office Phone: 801-259-8193

Home Phone: 801-259-7018

OPERATOR Beartooth Oil + Gas Co DATE 7/20/84

WELL NAME No. 100 X Fed #2

SEC SE NW 6 T 17S R 26E COUNTY Grant

43-019-31170
API NUMBER

Fed
TYPE OF LEASE

POSTING CHECK OFF:

| | | | | |
|--------------------------|-------|--------------------------|----|--------------------------|
| <input type="checkbox"/> | INDEX | <input type="checkbox"/> | HL | <input type="checkbox"/> |
| <input type="checkbox"/> | NID | <input type="checkbox"/> | PI | <input type="checkbox"/> |
| <input type="checkbox"/> | MAP | <input type="checkbox"/> | | <input type="checkbox"/> |

PROCESSING COMMENTS:

Column # 10

APPROVAL LETTER:

SPACING: A-3 _____ UNIT c-3-a 10 7/13/57 CAUSE NO. & DATE

c-3-b c-3-c

Drilling Unit #3- zone 1

SPECIAL LANGUAGE:

1- Water
2- Designation of operator

RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

AUTHENTICATE LEASE AND OPERATOR INFORMATION

VERIFY ADEQUATE AND PROPER BONDING

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

APPLY SPACING CONSIDERATION

ORDER #10

UNIT

c-3-b

c-3-c

CHECK DISTANCE TO NEAREST WELL.

CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

July 25, 1984

Beartooth Oil & Gas Company
P. O. Box 2564
Billings, Montana 59103

RE: Well No. North Bar X Fed. #2
SE1/4 Sec. 6, T. 17S, R. 26E
1637' FWL, 1422' FWL
Grand County, Utah

Gentlemen:

Approval to drill the above referenced gas well is hereby granted in accordance with Order of Cause No. 10 dated December 13, 1957, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OCC-6-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 533-5771, (Home) 298-7695 or R. J. Firth, Associate Director, (Home) 571-6068.
4. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-019-31170.

Sincerely,


John R. Baza
Petroleum Engineer

JRB/gl
cc: Branch of Fluid Minerals
Enclosures

BEARTOOTH OIL & GAS COMPANY

**P.O. Box 2564
Billings, Montana 59103
(406) 259-2451**

RECEIVED

AUG 2 1984

**DIVISION OF OIL
GAS & MINING**

July 31, 1984

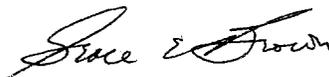
Division of Oil, Gas & Mining
4241 State Office Building
Salt Lake City, Utah 84114

Gentlemen:

Enclosed please find a new survey plat covering our North Bar-X Federal No. 2 well, which plat shows the lot numbers in Section 6.

Yours very truly,

BEARTOOTH OIL & GAS COMPANY



Grace E. Brown
Drilling Department

gb

RECEIVED

BEARTOOTH OIL & GAS COMPANY

AUG 9 1984

P.O. Box 2564
Billings, Montana 59103
(406) 259-2451

DIVISION OF OIL
GAS & MINING

August 7, 1984

Division of Oil, Gas & Mining
4241 State Office Building
Salt Lake City, Utah 84114

Attention: Mr. John R. Baza

Re: North Bar-X Federal #2
SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 6-17S-26E
Grand County, Utah

Gentlemen:

In response to your letter of July 25, 1984, Stipulation No. 1, please be advised that the water supply for the drilling of the North Bar X Federal #2 is located in Colorado. Water will be hauled from Mack Wash, which is irrigation run-off water and drainage ditch water, and Colorado requires no permit for the use of such water.

Yours very truly,

BEARTOOTH OIL & GAS COMPANY



James G. Routson
Petroleum Engineer

JGR/gb

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

API #43-019-31170

NAME OF COMPANY: BEARTOOTH OIL & GASWELL NAME: NORTH BAR X FEDERAL #2SECTION SEnw 6 TOWNSHIP 17S RANGE 26E COUNTY GrandDRILLING CONTRACTOR VecoRIG # 2SPUDDED: DATE 9-10-84TIME 6:00 PMHow Rotary

DRILLING WILL COMMENCE _____

REPORTED BY Grace BrownTELEPHONE # 406-259-2451DATE 9-12-84 SIGNED GL

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil well gas well other _____

2. NAME OF OPERATOR
Beartooth Oil & Gas Company

3. ADDRESS OF OPERATOR
P. O. Box 2564, Billings, Montana

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1637' FNL, 1422' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

LEASE
U-29334

6. IF INDIAN, ALLOTTEE OR TRIBE NAME _____

7. UNIT AGREEMENT NAME _____

8. FARM OR LEASE NAME
Federal

9. WELL NO.
North Bar X Federal No. 2

10. FIELD OR WILDCAT NAME
Undesignated

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SE 1/4 NW 1/4 Sec. 6-17S-26E

12. COUNTY OR PARISH Grand 13. STATE Utah

14. API NO.
43-019-31170

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5356' GL, 5367' KB

REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:

| | | | |
|----------------------|--------------------------|----------------------|--------------------------|
| TEST WATER SHUT-OFF | <input type="checkbox"/> | | <input type="checkbox"/> |
| FRACTURE TREAT | <input type="checkbox"/> | | <input type="checkbox"/> |
| SHOOT OR ACIDIZE | <input type="checkbox"/> | | <input type="checkbox"/> |
| REPAIR WELL | <input type="checkbox"/> | | <input type="checkbox"/> |
| PULL OR ALTER CASING | <input type="checkbox"/> | | <input type="checkbox"/> |
| MULTIPLE COMPLETE | <input type="checkbox"/> | | <input type="checkbox"/> |
| CHANGE ZONES | <input type="checkbox"/> | | <input type="checkbox"/> |
| ABANDON* | <input type="checkbox"/> | | <input type="checkbox"/> |
| (other) _____ | | <u>Status Report</u> | |

RECEIVED

SEP 14 1984

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

**DIVISION OF OIL
GAS & MINING**

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.)*

Well spudded at 6:00 PM on 9/10/84 with Veco Drilling Company Rig No. 2.

Ran 8 joints of 8-5/8", 24#, J-55 casing to 314' KB. Cemented with 175 sacks "G", 2% CaCl₂, 1/4#/sx celloflake. Good cement to surface. Plug down at 7:30 AM 9/11/84.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED Grace E. Brown TITLE Drilling Dept. DATE 9/12/84
Grace E. Brown

(This space for Federal or State office use)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil well gas well other _____

2. NAME OF OPERATOR
Beartooth Oil & Gas Company

3. ADDRESS OF OPERATOR
P. O. Box 2564, Billings, Montana

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1637' FNL, 1422' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| | | | |
|--------------------------|--------------------------|-----------------------|--------------------------|
| REQUEST FOR APPROVAL TO: | | SUBSEQUENT REPORT OF: | |
| TEST WATER SHUT-OFF | <input type="checkbox"/> | | <input type="checkbox"/> |
| FRACTURE TREAT | <input type="checkbox"/> | | <input type="checkbox"/> |
| SHOOT OR ACIDIZE | <input type="checkbox"/> | | <input type="checkbox"/> |
| REPAIR WELL | <input type="checkbox"/> | | <input type="checkbox"/> |
| PULL OR ALTER CASING | <input type="checkbox"/> | | <input type="checkbox"/> |
| MULTIPLE COMPLETE | <input type="checkbox"/> | | <input type="checkbox"/> |
| CHANGE ZONES | <input type="checkbox"/> | | <input type="checkbox"/> |
| ABANDON* | <input type="checkbox"/> | | <input type="checkbox"/> |
| (other) _____ | | Status Report | |

5. LEASE
U-29334

6. IF INDIAN, ALLOTTEE OR TRIBE NAME _____

7. UNIT AGREEMENT NAME _____

8. FARM OR LEASE NAME
Federal

9. WELL NO.
North Bar X Federal No. 2

10. FIELD OR WILDCAT NAME
Undesignated

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SE 1/4 NW 1/4 Sec. 6-17S-26E

12. COUNTY OR PARISH 13. STATE
Grand Utah

14. API NO.
43-019-31170

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5356' GL, 5367' KB

RECEIVED

SEP 19 1984

NOTE: Report results of multiple completion or zone change on Form 9-330.)

**DIVISION OF OIL
GAS & MINING**

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.)*

Total Depth 4084'. Reached TD on 9/14/84.

Ran 94 joints of 4 1/2", 10.5#, J-55 casing to 4083' KB, float at 4044'. Cemented with 175 sacks 10-0 RFC, 500 gallons mud flush ahead. Plug down at 7:30 AM 9/15/84.

Waiting on completion tools.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED Grace E. Brown TITLE Drilling Dept. DATE 9/17/84
Grace E. Brown

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: _____

*See Instructions on Reverse Side

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

SUBMIT IN DUPLICATE

(See instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

6

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

| | | | |
|--|--|---|--|
| 1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> Other _____ | | 5. LEASE DESIGNATION AND SERIAL NO. U-29334 | |
| b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____ | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME _____ | |
| 2. NAME OF OPERATOR Beartooth Oil & Gas Company | | 7. UNIT AGREEMENT NAME _____ | |
| 3. ADDRESS OF OPERATOR P. O. Box 2564, Billings, Montana 59103 | | 8. FARM OR LEASE NAME Federal | |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1637' FNL, 1422' FWL At top prod. interval reported below same At total depth same | | 9. WELL NO. North Bar X Federal No. 2 | |
| 14. PERMIT NO. 43-019-31170 | | DATE ISSUED 7/25/84 | |
| 15. DATE SPUDDED 9/10/84 | | 16. DATE T.D. REACHED 9/14/84 | |
| 17. DATE COMPL. (Ready to prod.) 9/30/84 | | 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5356' GL, 5367' KB | |
| 19. ELEV. CASINGHEAD _____ | | 12. COUNTY OR PARISH Grand | |
| 20. TOTAL DEPTH, MD & TVD 4084' | | 13. STATE Utah | |
| 21. PLUG, BACK T.D., MD & TVD 4040' | | 10. FIELD AND POOL, OR WILDCAT Undesignated | |
| 22. IF MULTIPLE COMPL., HOW MANY* Commingled | | 11. SEC., T. R., M., OR BLOCK AND SURVEY OR AREA SE SW 1/4 NW 1/4 Sec. 6-17S-26E | |
| 23. INTERVALS DRILLED BY → 0-TD | | 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 3463-3513 - Dakota 3659-3668 - Morrison | |
| 25. WAS DIRECTIONAL SURVEY MADE no | | 26. TYPE ELECTRIC AND OTHER LOGS RUN DTD, GDL/CNS, Log | |
| 27. WAS WELL CORED no | | 28. CASING RECORD (Report all strings set in well) | |

| CASING SIZE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | CEMENTING RECORD | AMOUNT PULLED |
|-------------|-----------------|----------------|-----------|------------------|---------------|
| 8-5/8" | 24#, J-55 | 314' KB | 12-1/4" | 175 sacks | - |
| 4-1/2" | 10.5#, J-55 | 4083' KB | 7-7/8" | 175 sacks | - |

| 29. LINER RECORD | | | | 30. TUBING RECORD | | | |
|------------------|----------|-------------|---------------|-------------------|--------|----------------|-----------------|
| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) | SIZE | DEPTH SET (MD) | PACKER SET (MD) |
| | | | | | 2-3/8" | 3718' KB | - |

| | | | |
|--|--|---|--|
| 31. PERFORATION RECORD (Interval, size and number) 3463, 3473, 3481, 3489, 3503, 3507, 3513, 3659, 3668 - 10 holes, .31" dia. | | 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) 3463-3668 - 650 w/20,000# 100 mesh sand, 94,000# 20-40 sand, 390 bbls 5% HCl, 1.6 MMSCF nitrogen. | |
|--|--|---|--|

| 33.* PRODUCTION | | | | | | | |
|-------------------------------|-------------------------|--|---------------------------|----------------|------------|--|---------------|
| DATE FIRST PRODUCTION 9/30/84 | | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) flowing | | | | WELL STATUS (Producing or shut-in) shut-in | |
| DATE OF TEST 9/30/84 | HOURS TESTED 24 hrs | CHOKE SIZE 3/4" | PROD'N. FOR TEST PERIOD → | OIL—BBL. 1,223 | GAS—MCF. | WATER—BBL. | GAS-OIL RATIO |
| FLOW. TUBING PRESS. 86 psi | CASING PRESSURE 200 psi | CALCULATED 24-HOUR RATE → | OIL—BBL. | GAS—MCF. 1,223 | WATER—BBL. | OIL GRAVITY-API (CORR.) | |

| | |
|--|---------------------------------|
| 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) to be sold | TEST WITNESSED BY Ralph Snow |
|--|---------------------------------|

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 James G. Routson TITLE Petroleum Engineer DATE 10/1/84

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

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

| FORMATION | TOP | BOTTOM | DESCRIPTION, CONTENTS, ETC. | NAME | TOP | |
|-----------|-----|--------|-----------------------------|---|----------------------------------|------------------|
| | | | | | MEAS. DEPTH | TRUE VERT. DEPTH |
| | | | | Dakota Silt Dakota Sand Morrison Salt Wash | 3342' 3412' 3536' 3970' | |

38. GEOLOGIC MARKERS

RECEIVED

OCT 4 1984

DIVISION OF OIL
GAS & MINING

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

RECEIVED

OCT 4 1984

DIVISION OF OIL
GAS & MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number North Bar-X Federal No. 2
Operator Beartooth Oil & Gas Company Address Box 2564, Billings, Montana 59103
Contractor Vech Drilling Company Address Box 1705, Grand Junction, CO 81502
Location SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 6 T. 17S R. 26E County Grand

Water Sands

| | <u>Depth</u> | | <u>Volume</u> | <u>Quality</u> |
|----|---------------------------------|----|-------------------|----------------|
| | From | To | Flow Rate or Head | Fresh or Salty |
| 1. | NONE ENCOUNTERED WHILE DRILLING | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |

(Continue of reverse side if necessary)

Formation Tops

Remarks

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

| | | |
|---|--|--|
| 1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER | | 5. LEASE DESIGNATION AND SERIAL NO. U-29334 |
| 2. NAME OF OPERATOR Beartooth Oil & Gas Company | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME |
| 3. ADDRESS OF OPERATOR P. O. Box 2564, Billings, Montana | | 7. UNIT AGREEMENT NAME |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1637' FNL, 1422' FWL | | 8. FARM OR LEASE NAME Federal |
| 14. PERMIT NO. 43-019-31170 | | 9. WELL NO. North Bar X Federal No. 2 |
| 15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5356' GL, 5367' KB | | 10. FIELD AND POOL, OR WILDCAT Undesignated |
| | | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SE 1/4 NW 1/4 Sec. 6-17S-26E |
| | | 12. COUNTY OR PARISH Grand |
| | | 13. STATE Utah |

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

| | |
|---|---|
| TEST WATER SHUT-OFF <input type="checkbox"/> | PULL OR ALTER CASING <input type="checkbox"/> |
| FRACTURE TREAT <input type="checkbox"/> | MULTIPLE COMPLETE <input type="checkbox"/> |
| SHOOT OR ACIDIZE <input type="checkbox"/> | ABANDON* <input type="checkbox"/> |
| REPAIR WELL <input type="checkbox"/> | CHANGE PLANS <input type="checkbox"/> |
| (Other) <u>First Delivery</u> <input checked="" type="checkbox"/> | |

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

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

First production - 3:00 PM 1/8/85

RECEIVED
JAN 11 1985

DIVISION OF
OIL, GAS & MINING

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

SIGNED Grace E. Brown TITLE Production Department DATE 1/9/85
(This space for Federal or State office use)

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

*See Instructions on Reverse Side