

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

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

2. NAME OF OPERATOR
 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 705' FEL, 1590' FSL
 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)
 705'

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

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5162' GL, 5173' KB

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" | 24# H-40 STC | 200' | 150 sacks Class "G" - to surface |
| 7-7/8" | 4 1/2" new | 10.5# J-55 LTC | 3090' | 175 sacks RFC |

- Surface formation is the Mancos.
- Anticipated geologic markers are: Frontier 2118', Dakota 2523', Morrison 2690', Salt Wash 2990'.
- 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 10/13/82
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

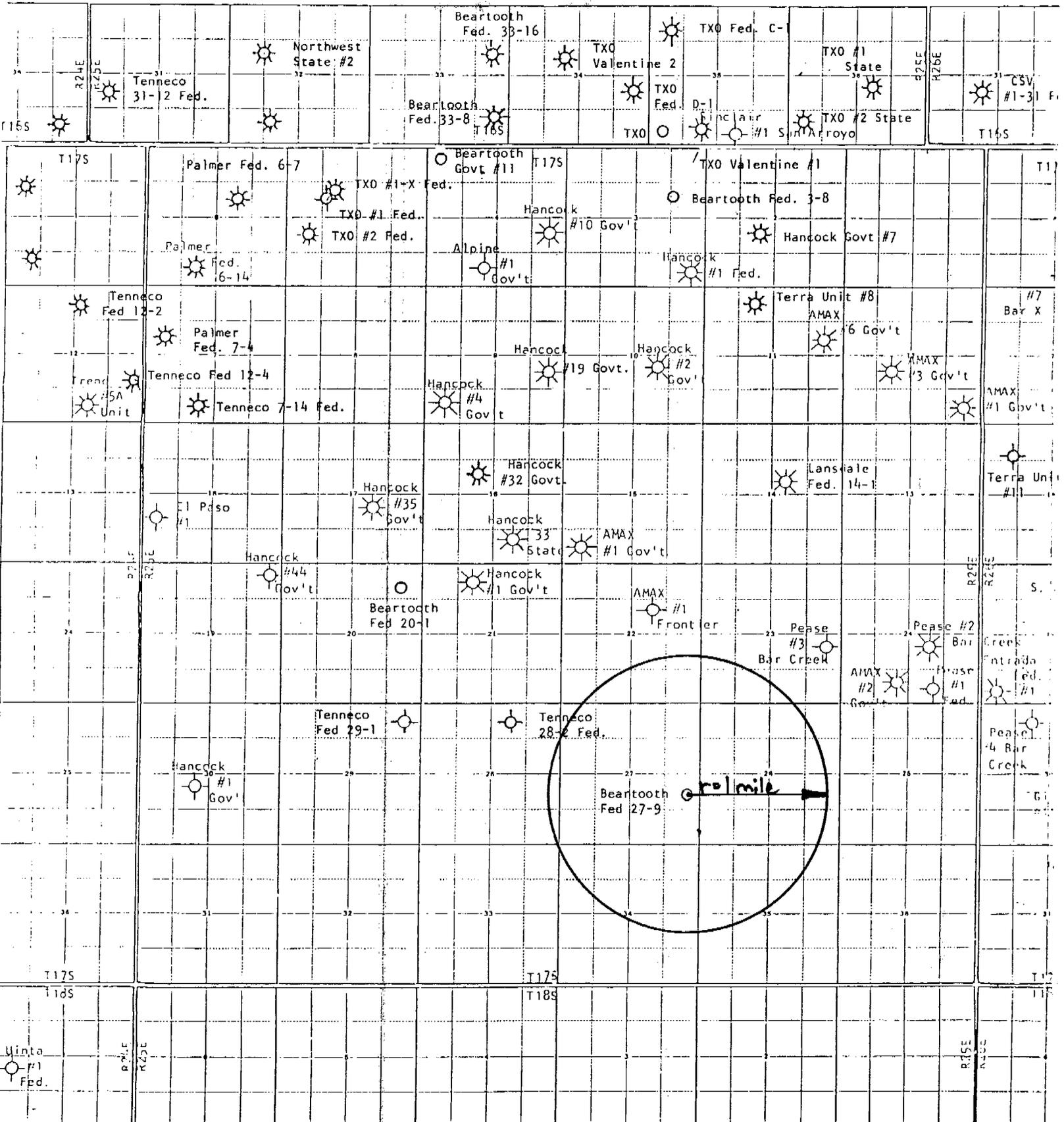
APPROVED BY _____ TITLE _____

APPROVED BY THE STATE
 OF UTAH DIVISION OF
 OIL, GAS, AND MINING
 DATE: 10-19-82
 BY: Norman Stout

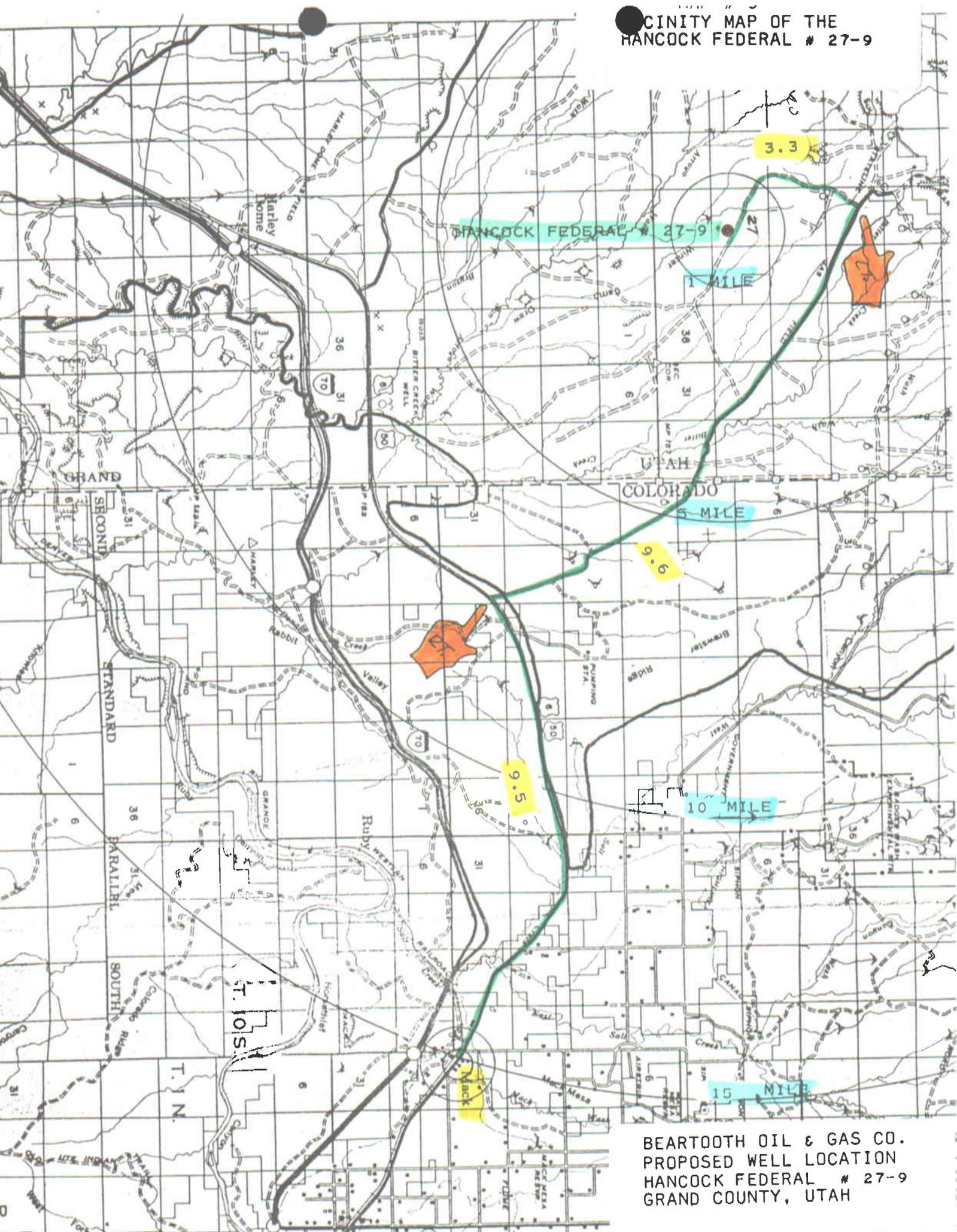
5. LEASE DESIGNATION AND SERIAL NO.
 U-4402 ✓
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 7. UNIT AGREEMENT NAME
 Winter Camp ✓
 8. FARM OR LEASE NAME
 Federal
 9. WELL NO.
 Hancock Federal #27-9
 10. FIELD AND POOL, OR WILDCAT
 State line
 UNDESIGNATED
 11. SEC., T., R., M., OR BLK.
 AND SURVEY OR AREA
 NE 1/4 Sec. 27-T17S-R25E
 12. COUNTY OR PARISH
 Grand ✓
 13. STATE
 Utah

1-.10 copy

Township 16, 17, 18S, Range 24, 25, 26E, County Grand, State Utah

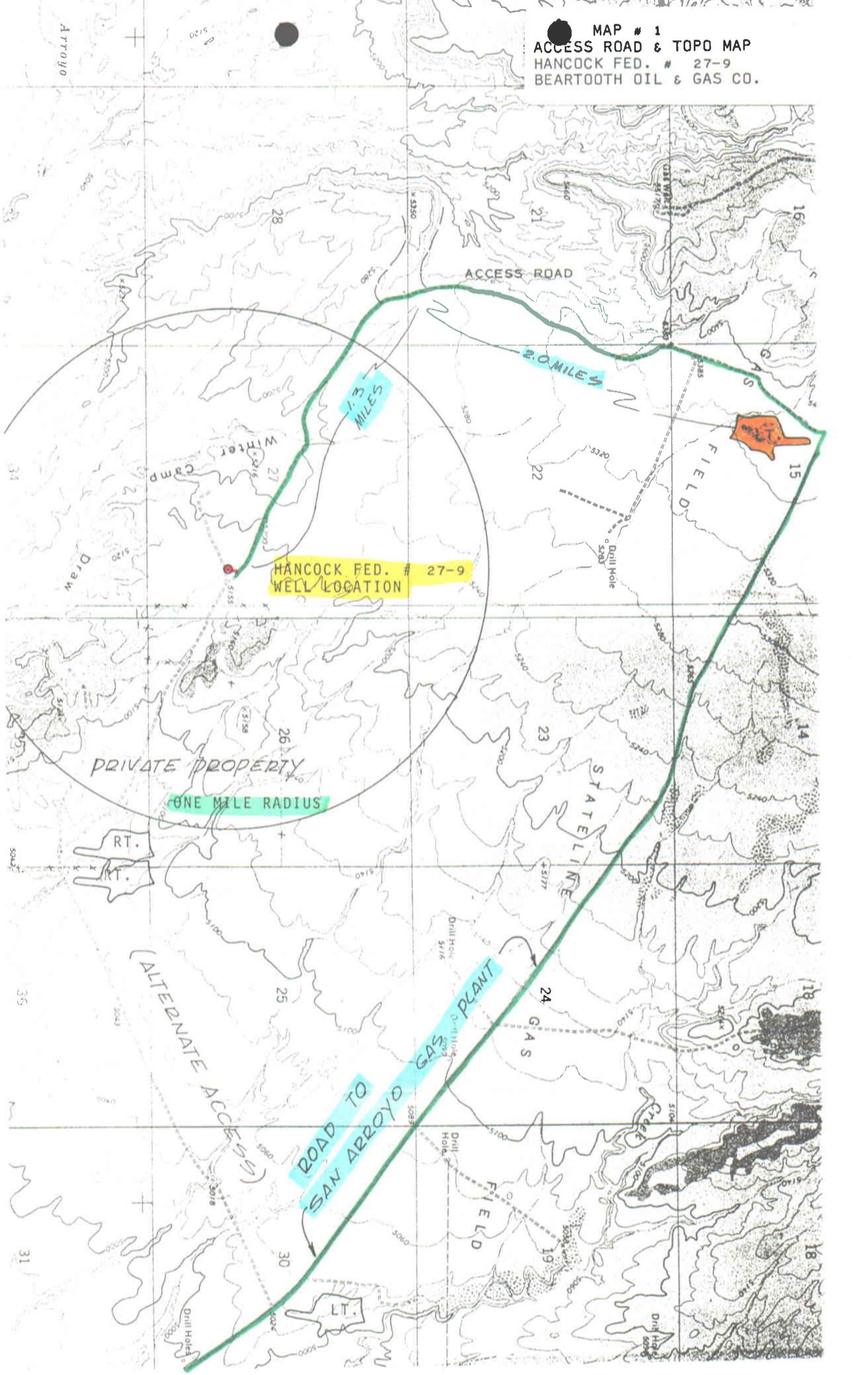


CITY MAP OF THE
HANCOCK FEDERAL # 27-9



BEARTOOTH OIL & GAS CO.
PROPOSED WELL LOCATION
HANCOCK FEDERAL # 27-9
GRAND COUNTY, UTAH

MAP # 1
ACCESS ROAD & TOPO MAP
HANCOCK FED. # 27-9
BEARTOOTH OIL & GAS CO.



ARROYO

Winter Camp

ACCESS ROAD

HANCOCK FED. # 27-9
WELL LOCATION

PRIVATE PROPERTY
ONE MILE RADIUS

(ALTERNATE ACCESS)
ROAD TO
SAN ARROYO GAS PLANT

FIELD

STATE LINE

GAS

FIELD

2.0 MILES

3.1 MILES

RT.

LT.

34

34

34

35

31

16

15

14

18

18

28

21

22

23

24

25

30

25

24

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19

17

16

15

14

13

5120

5130

5140

5150

5160

5170

5180

5190

5200

5210

5220

5230

5240

5250

5260

5270

5280

5290

5300

5310

5320

5330

5340

5350

5360

5370

5380

5390

5400

5410

5420

5430

5440

5450

5460

5470

5480

5490

5500

5510

5520

5530

5540

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

MINERALS MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO.
U-4402 OIL & GAS OPERATIONS RECEIVED

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Oct 18 1982

7. UNIT AGREEMENT NAME
Winter Camp BALD LAKE CITY, UTAH

8. FARM OR LEASE NAME
Federal

9. WELL NO.
Hancock Federal #27-9

10. FIELD AND POOL, OR WILDCAT
State Line

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
NE 1/4 SE 1/4 Sec. 27-T17S-R25E

12. COUNTY OR PARISH | 13. STATE
Grand | Utah

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

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DRILL DEEPEN PLUG BACK

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

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

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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) | 705' | 16. NO. OF ACRES IN LEASE | 960 | 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. | None | 19. PROPOSED DEPTH | 3090 | 20. ROTARY OR CABLE TOOLS | Rotary |

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5162' GL, 5173' KB

22. APPROX. DATE WORK WILL START*
December 21, 1982

PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|----------------------------------|
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24. SIGNED James G. Routson TITLE Petroleum Engineer DATE 10/13/82
James G. Routson
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY E. W. Guynn FOR E. W. GUYNN
CONDITIONS OF APPROVAL, IF ANY: _____ TITLE DISTRICT OIL & GAS SUPERVISOR DATE DEC 01 1982

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

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

State O and G

SEC. 27, T. 17 S., R. 25 E. OF THE S.L.M.

PLAT # 1

9.89° 57' W.

5278.68' G.L.O.

5280.0' G.L.O.

5280.00' G.L.O.

27

NE 1/4 SE 1/4

BEARTOOTH OIL & GAS CO.

HANCOCK FEDERAL # 27-9
NE 1/4 SE 1/4, SEC. 27, 17S, 25 E.
GROUND ELEVATION 5162

705'

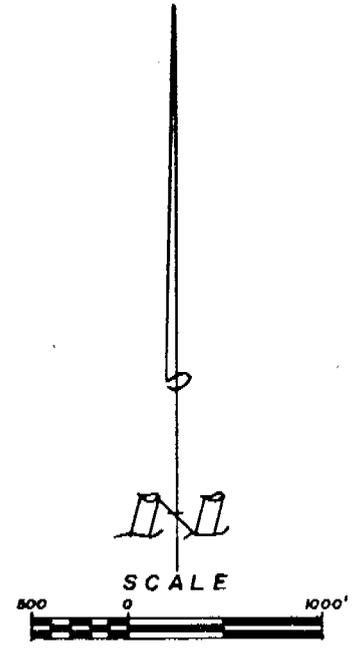
1590'

N. 20° 00' W.

N. 00° 01' W.

9.89° 56' W.

5277.36' G.L.O.



SCALE

LEGEND

- STANDARD LOCATION OF G.L.O. CORNERS.
- G.L.O. CORNERS FOUND.
- WELL LOCATION STAKED.

REFERENCE DOCUMENTS

1926 GLO PLAT

BRYSON CANYON, UTAH
QUADRANGLE, USGS

THIS WELL LOCATION PLAT WAS PREPARED FOR BEARTOOTH OIL & GAS CO.
 AS REQUESTED BY KEN CURREY, TO LOCATE THE
HANCOCK FEDERAL # 27-9, 1590' F.S.L. & 705' F.E.L.,
 IN THE NE 1/4 SE 1/4, OF SECTION 27, T. 17 S., R. 25 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
 UTAH L.S. NO. 4189

| | |
|----------|---------|
| SURVEYED | 10-3-82 |
| DRAWN | 10-3-82 |
| CHECKED | 10-3-82 |

ENERGY
 SURVEYS &
 ENGINEERING CORP.

1156 BOOKCLIFF AVE. NO 4
 GRAND JUNCTION, CO. 81501
 970 248-7221

SCALE 1" = 1000'

JOB NO.

SHEET OF

Beartooth Oil and Gas Company
Well No. 27-9
Section 27-17S-25E
Winter Camp Unit
Grand County, Utah
Lease No. U-4402

Supplemental Stipulations:

1. Pit fence will be 36 inch woven wire with single strand barbed wire on top.
2. The location site will be reduced to 200 x 275 feet.
3. Planned access roads will be upgraded or constructed to BLM Class III Road Standards.

SEED MIXTURE

| <u>Species</u> | | <u>Rate</u> <u>lbs/acre</u> |
|----------------------|---|--------------------------------|
| <u>Grasses</u> | | |
| Hilaria jamesii | Galleta (Curlygrass) | 1 |
| Oryzopsis hymenoides | Indian ricegrass | 2 |
| <u>Forbs</u> | | |
| Helianthus annuus | Common sunflower (Kansas sunflower) | 1 |
| Sphaeralcea coccinea | Scarlet globemallow | 1 |
| <u>Shrubs</u> | | |
| Atriplex canescens | Fourwing saltbush (White greasewood) | 1 |
| Eurotia lanata | Winterfat (Whitesage) | <u>1</u> |
| | Total | 7 |



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

SUGGESTED COLORS TO PAINT OIL & GAS PRODUCTION FACILITIES

Cisco Desert and Flats below the Bookcliffs:

- | | |
|-------------------|-------------------|
| Dynasty Green | (Sears) |
| Tumbleweed | (Pratt & Lambert) |
| [REDACTED] | |
| 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.

ADDITIONAL STIPULATIONS FOR PRODUCTION FACILITIES

Your Application for Permit to Drill also included a submittal for production facilities. These production facilities are approved for the lessee and his designated operator under Section 1 of the Oil and Gas Lease with the following conditions:

- (1) The oil and gas measurement facilities must be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy are to be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. Please provide this office with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports are to be submitted to the Salt Lake City District Oil and Gas Supervisor. Royalty payments will be made on all production volume as determined by the meter measurements or the tank measurements. All measurement facilities must conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.
- (2) Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs must be housed and/or fenced.
- (3) All disturbed areas not required for operations will be rehabilitated.
- (4) All produced liquids must be contained including the dehydrator vent/condensate line effluent. All production pits must be fenced.
- (5) The well activity, the well status and the date the well is placed on production must be reported on Lessee's Monthly Report of Operations, Form 9-329.
- (6) All off-lease storage, off-lease measurement, or commingling on lease or off-lease must have written approval.
- (7) All product lines entering and leaving hydrocarbon storage tanks must be locked/sealed.
- (8) You are reminded of the requirements for handling, storing, or disposing of water produced from oil and gas wells under NTL-2B.
- (9) All materials, trash, junk, debris, etc. not required for production must be removed from the well site and production facility site at the completion of these operations.
- (10) A copy of the Gas Sales Contract will be provided to this office and the Royalty Accounting Department as directed.
- (11) Construction and maintenance for surface use approved under this plan should be in accordance with the surface use standards as set forth in the BLM/GS Oil and Gas Brochure entitled, "Surface Operating Standards for Oil and Gas Exploration and Development." This includes, but is not limited to, such items as road construction and maintenance, handling of top soil and rehabilitation.
- (12) "Sundry Notice and Reports on Wells" (form 9-331) will be filed for all changes of plans and other operations in accordance with 30 CFR 221.58. Emergency approval may be obtained verbally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alternations of facilities, including roads, gathering lines, batteries, measurement facilities, etc., will require the filing of a suitable plan and prior approval by the survey.

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

Hancock Federal No. 27-9
NE $\frac{1}{4}$ SE $\frac{1}{4}$ SEC. 27-T17S-R25E
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 #1
- B. Route and distance from nearest town or locatable reference point to where well access route leaves main road: This proposed well is 20 miles northwest of Mack, Colorado. It is reached by going 9.5 miles west from Mack on Old Highway 6 & 50 to "2" road; turn north and go 9.6 miles up the San Arroyo Gas Plant road; then turn west (left) and go 3.3 miles along the existing gas field road.
- C. Access road(s) to location color-coded or labeled: New construction is colored red and existing road is colored green.
- D. If exploratory well, all existing roads within a 3-mile radius (including type of surface, conditions, etc.): See Vicinity Map and Map #1
- E. If development well, all existing roads within a 1-mile radius of wellsite: All existing roads are shown on - N/A
- F. Plans for improvement and/or maintenance of existing roads: The San Arroyo Road is county road. Beartooth Oil & Gas Company will do maintenance blading on the 3.3 miles of existing gas field road.

2. Planned Access Roads - See Map #1

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

- (1) Width & Disturbance: There is no new road to be constructed. The last 3.3 miles of existing road will be slightly up graded by maintenance blading.
- (2) Maximum grades: _____
- (3) Turnouts: _____
- (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: _____
- (6) Surfacing material: Native material only; no material will be brought in.
- (7) Necessary gates, cattleguards, or fence cuts: _____
- (8) New or reconstructed roads are to be center-line flagged at time of location staking: The access route is marked with directional arrows.

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. 2)

- (1) Water wells: None
- (2) Abandoned wells: None
- (3) Temporarily abandoned wells: None
- (4) Disposal wells: None
- (5) Drilling wells: None
- (6) Producing wells: None
- (7) Shut-in wells: None
- (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: None
- (3) Oil gathering lines: None
- (4) Gas gathering lines: None
- (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:
All proposed facilities are on the pad.
- (2) Dimensions of facilities: See Plat No. 4. 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. 4.
- (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 pickup point is 2 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 Supervisor. After that time, application will be made for approval of permanent disposal method in compliance with NTE-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. 2-A
- (2) Location of mud tanks, reserve, burn and trash pits, pipe racks, living facilities, and soil material stockpiles: See Plats Nos. 2 & 3
The top 8-10 inches of surface soil material will be stripped and stockpiled along the west side of the location.
- (3) Rig orientation, parking areas and access roads: See Plat No. 3
- (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 wellsite is in a large flat area adjacent to an existing road. The flat is representative of those common to the Mancos desert of the Grand Valley. The vegetation is cheatgrass with a few annual forbs. Rabbits and coyotes are the noticable wildlife species. The soils are deep and poorly defined.
- (2) Other surface use activities and surface ownership of all involved lands: Surface use is livestock grazing.
- (3) Proximity of water, occupied dwellings, archeological, historical or cultural sites: The nearest live water is the Colorado River 15 miles to the south. The nearest dwelling is 0.5 miles east of the wellsite. This is a winter sheep camp.
- A cultural resource survey of the area has been made and the report is filed with the BLM in Moab, Utah.

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.

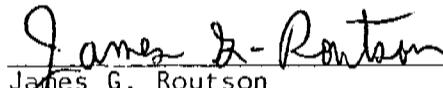
10/13/82
Date

Kenneth A. Currey

WELL CONTROL PLAN

1. Surface Casing: 8-5/8" O.D., 24#/ft., Grade H-40, ST&C, set at 200' 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 800 psi at 3090' or a gradient of .26 psi/ft or less. No abnormal temperatures or hydrogen sulfide gas are anticipated.

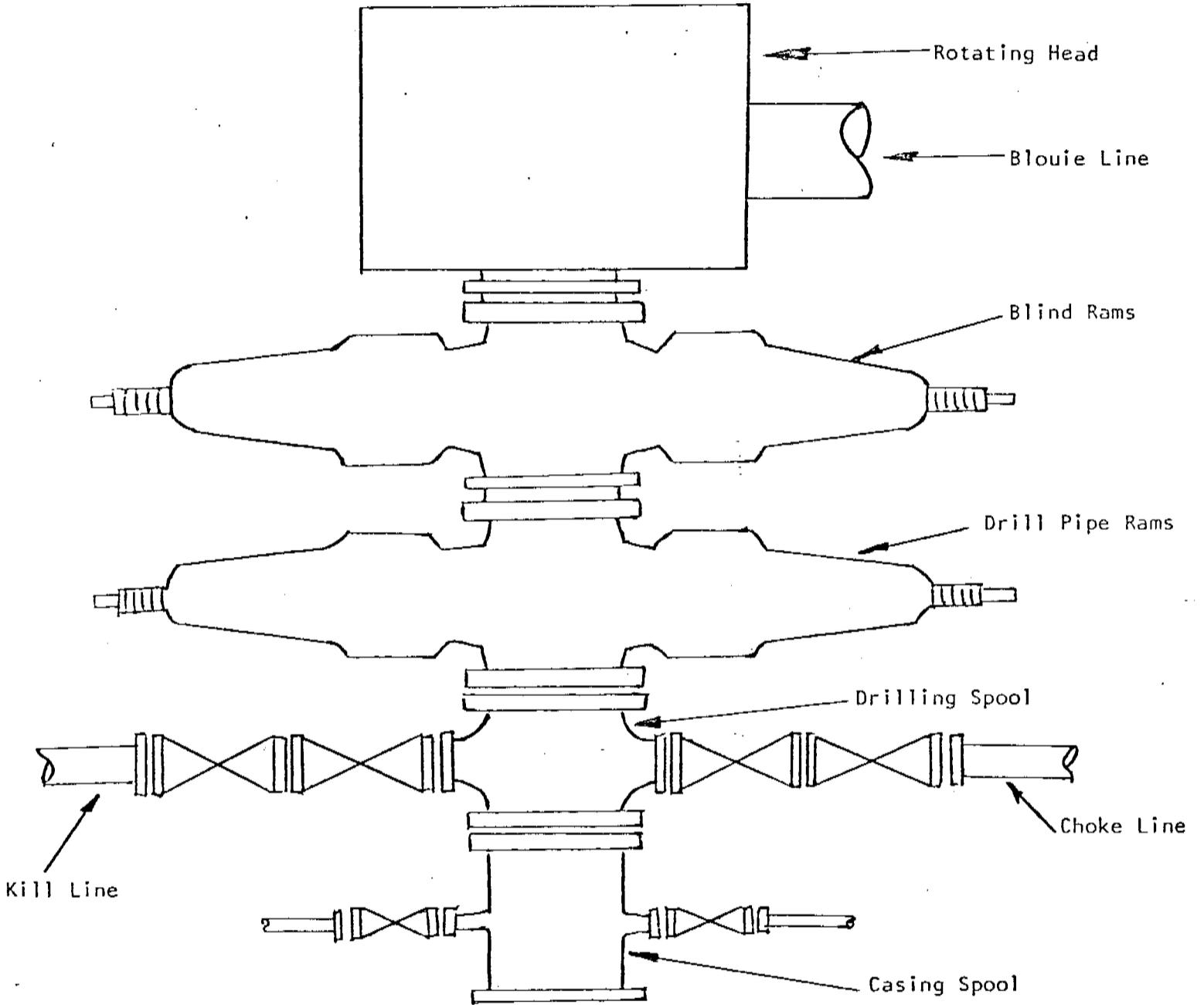
BEARTOOTH OIL & GAS COMPANY


James G. Routson
Petroleum Engineer

SCHEMATIC OF BOP STACK

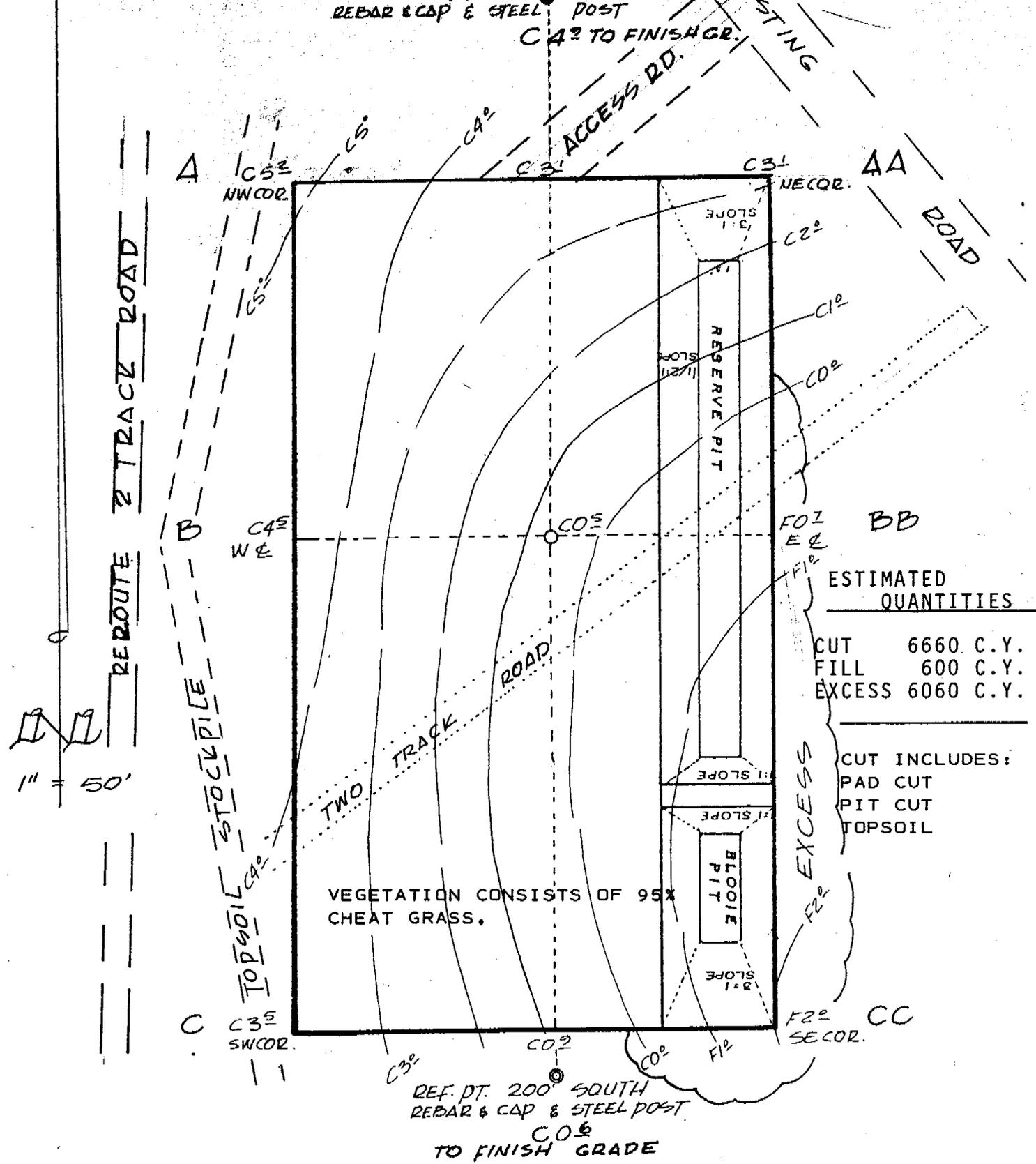
Air drilled wells using 900 series wellhead equipment.

Interval from 200' to total depth.



PLAT # 2
PIT & PAD LAYOUT

REF. DT. 200' NORTH
REBAR & CAP & STEEL POST
C4² TO FINISH GR.



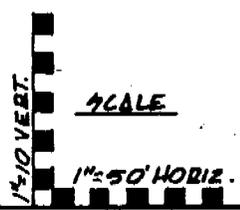
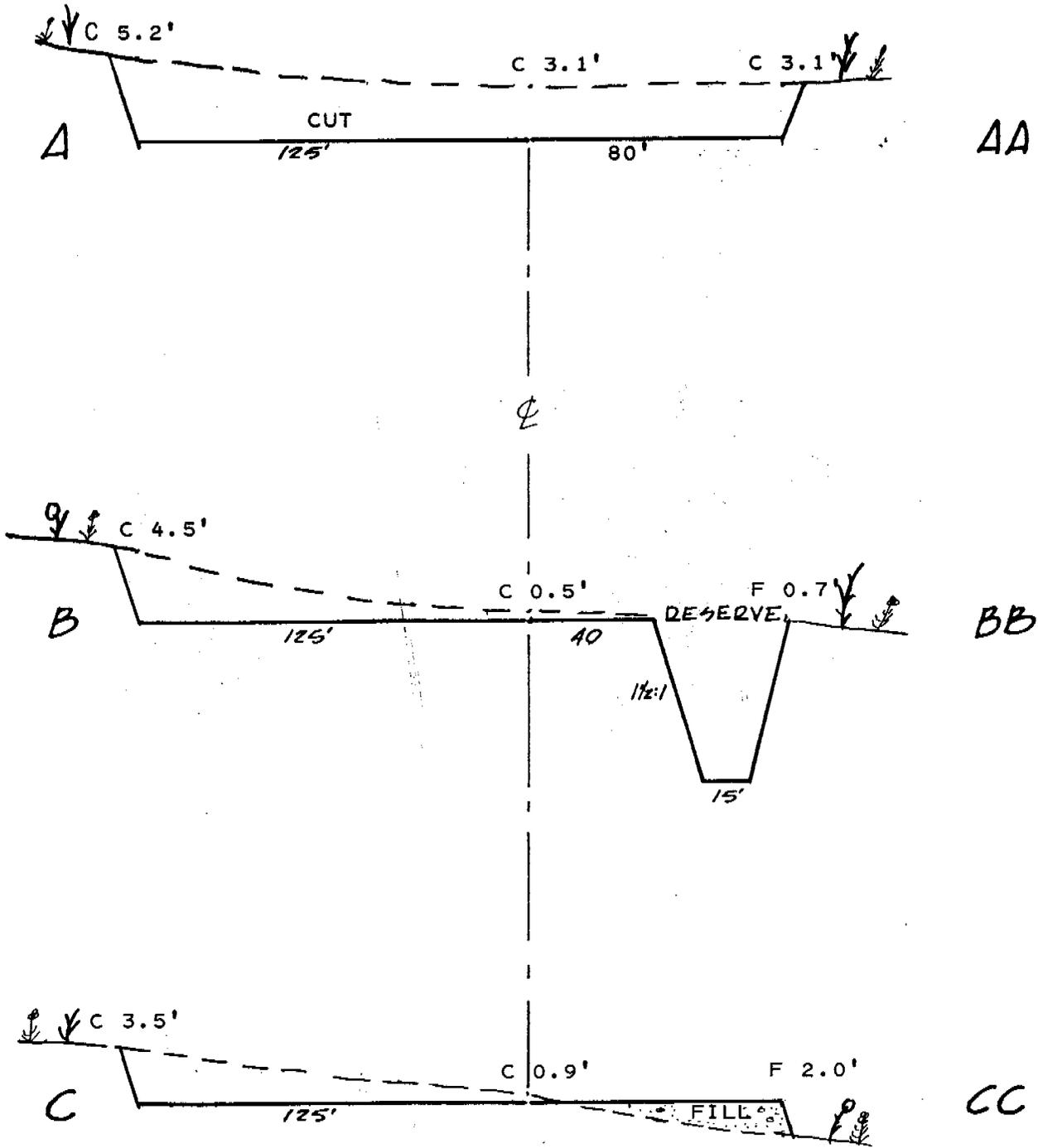
ESTIMATED QUANTITIES

| | |
|--------|-----------|
| CUT | 6660 C.Y. |
| FILL | 600 C.Y. |
| EXCESS | 6060 C.Y. |

CUT INCLUDES:
PAD CUT
PIT CUT
TOPSOIL

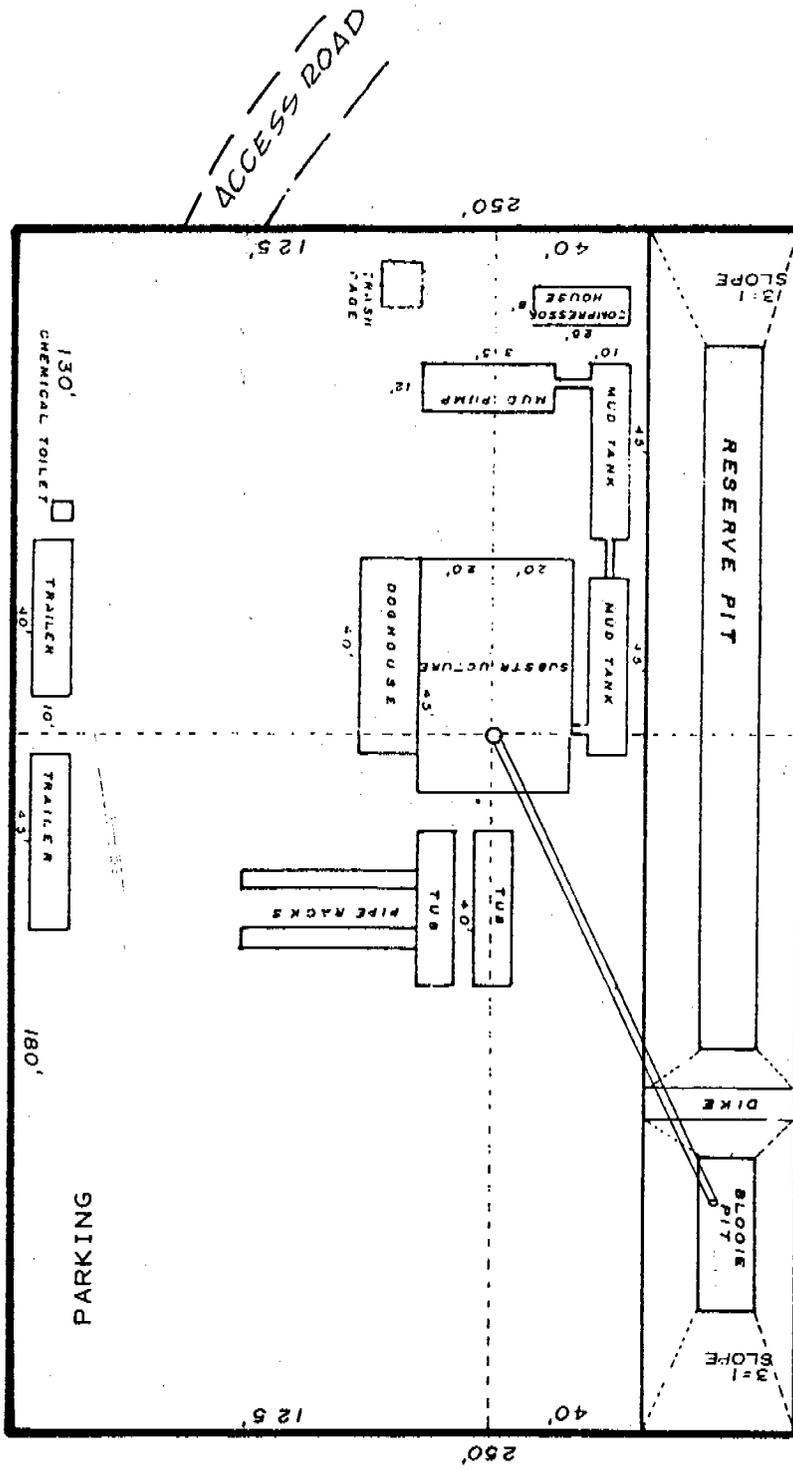
REF. DT. 200' SOUTH
REBAR & CAP & STEEL POST
C0⁶
TO FINISH GRADE

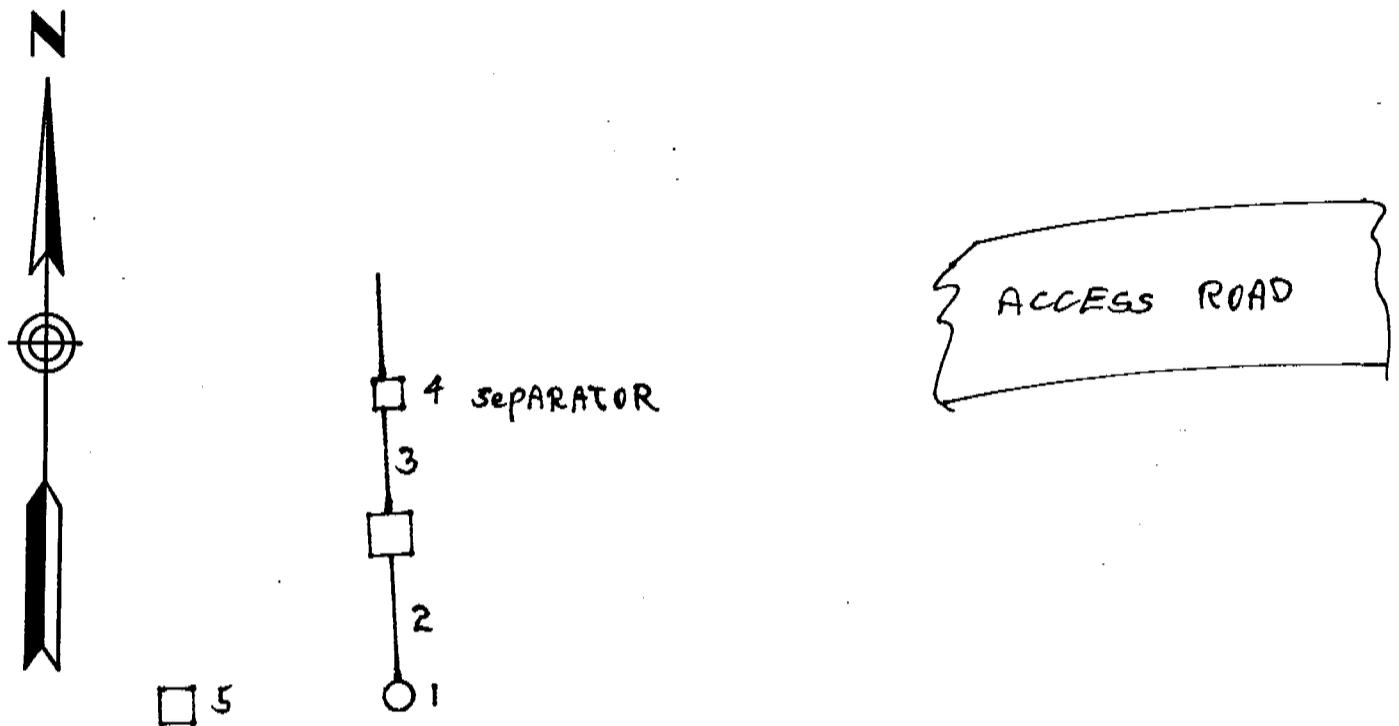
PLAT # 2A
 CROSS-SECTIONS ON THE
 HANCOCK FED. # 27-9 LOCATION



PREPARED BY
 ENERGY SURVEYS & ENG' R. CORP.
 OCT. 1982

CROSS-SECTIONS
 HANCOCK FEDERAL #27-9
 BEARTOOTH OIL & GAS



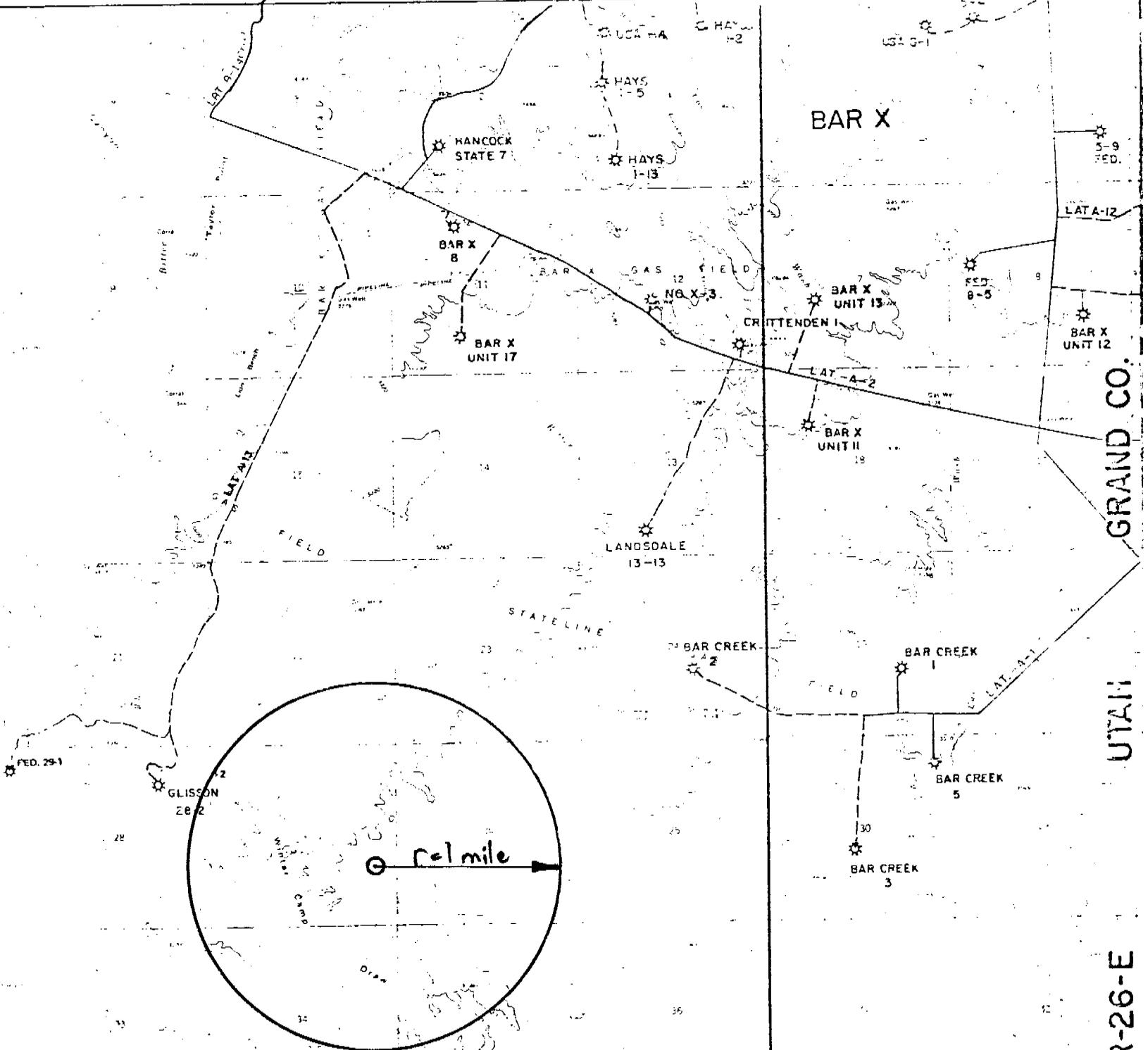


1. Wellhead will be an 8-5/8", 2000 psi WP larkin Fig. 92 or equivalent. Tubing head will be 4 1/2" x 6" - 900 top with two 2" x 3000 psi screwed valves. Tree will be 2" screwed x 2000 psi W.P.
2. Line between wellhead and separator will be approximately 100 feet in length and constructed of 2-3/8" .218 wall seamless, welded, wrapped and buried approximately 5 feet deep.
3. Line between separator and meter will be 4" or 4.028 OD seamless, welded, coated, wrapped and buried, and will be approximately 25 feet in length.
4. Meter run will be American 4" run, 500 psi static rating, 100" of water differential rating.
5. Pit, if necessary, will be 8' x 8', enclosed by dikes and fenced.

PIPELINE MAP
Hancock Federal 27-9

T-18-S

A-1
UTAH



GRAND CO.

UTAH

R-26-E

T-17-S

T-18-S

OPERATOR BEARTOOTH OIL & GAS CO

DATE 10-19-82

WELL NAME HANGDOCK FED # 279

SEC NESE 27 T 17S R 25E COUNTY GRAND

43-019-31014
API NUMBER

FED
TYPE OF LEASE

POSTING CHECK OFF:

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

PROCESSING COMMENTS:

RJF. v

APPROVAL LETTER:

9-30-77

SPACING: A-3 WINTER CAMP
UNIT

c-3-a _____ CAUSE NO. & DATE

c-3-b

c-3-c

SPECIAL LANGUAGE:

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

AUTHENTICATE LEASE AND OPERATOR INFORMATION *FED*

VERIFY ADEQUATE AND PROPER BONDING *FED*

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

APPLY SPACING CONSIDERATION

ORDER _____

UNIT *WINTER CAMP*

c-3-b

c-3-c

OUTSTANDING OR OVERDUE REPORTS FOR OTHER WELLS OF THE OPERATOR.

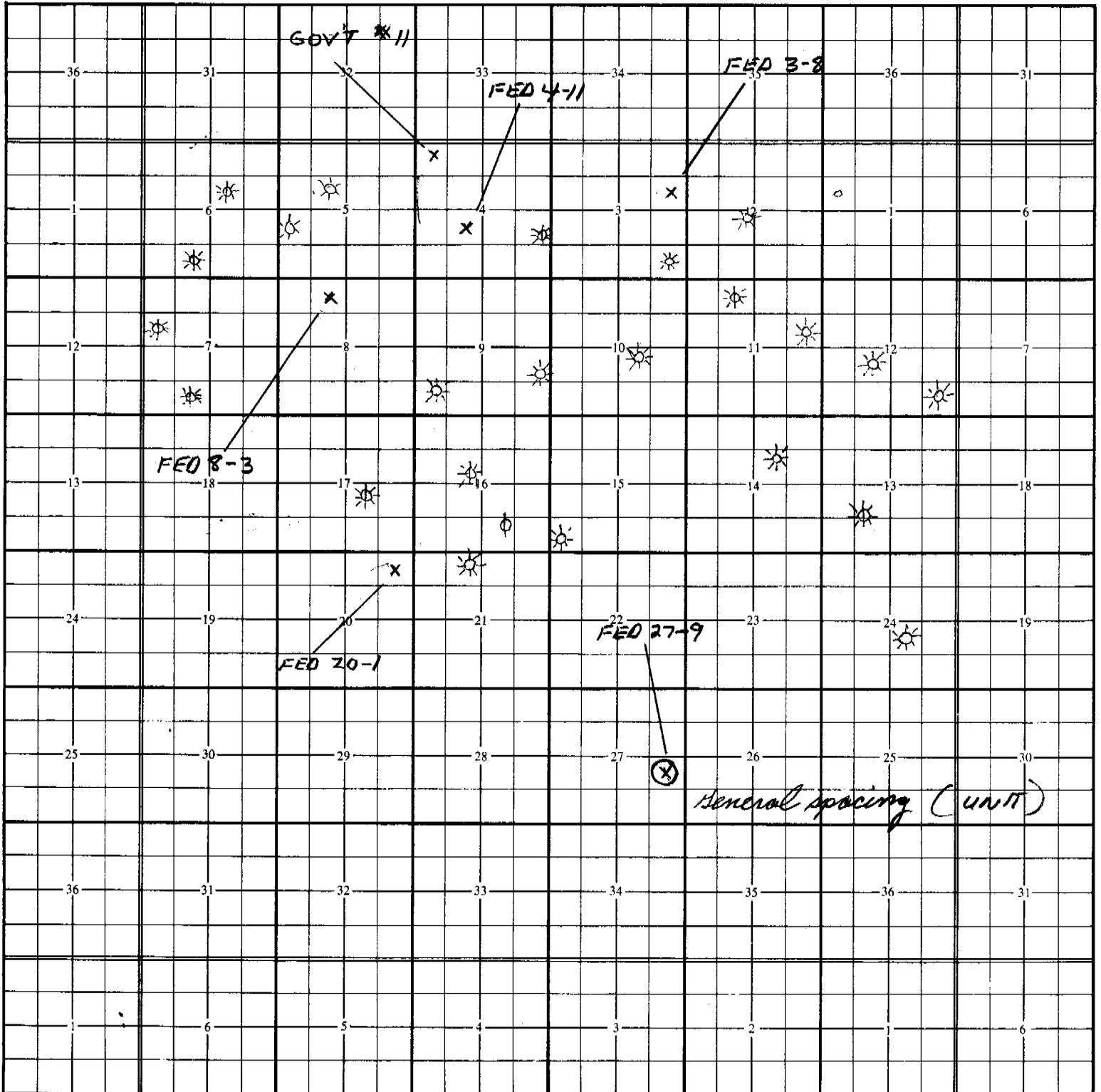
14 POTASH - 7/0

TOWNSHIP PLAT

Owner BEARTOOTH Date 10-18-82

Township 175 Range 25E County GRAND

X = PROPOSED SITES FOR HANCOCK WELLS



October 19, 1982

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

RE: Well No. Hancock Fed. #27-9
NESE Sec. 27, T.17S, R.25E
Grand County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to gas well is hereby granted in accordance with Section 40-6-11, Utah Code Annotated 1953; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure.

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

RONALD J. FIRTH - Engineer
Office: 533-5771
Home: 571-6068

OR

CLEON B. FEIGHT - Director
Office: 533-5771
Home: 466-4455

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 43-019-31014.

Sincerely,



Norman C. Stout
Administrative Assistant

NCS/as
cc: Minerals Management Service
Enclosure

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: BEARTOOTH OIL & GAS

WELL NAME: Hancock Federal 27-9

SECTION NESE 27 TOWNSHIP 17S RANGE 25E COUNTY Grand

DRILLING CONTRACTOR Veco Drilling

RIG # 2

SPUDDED: DATE 12-1-82

TIME 9:00 PM

HOW Rathole Rig

DRILLING WILL COMMENCE _____

REPORTED BY Grace Brown

TELEPHONE # 406-259-2451

DATE 12-1-82 SIGNED Terri R.

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 59103

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 705' FEL, 1590' FSL
AT TOP PROD. INTERVAL: same
AT TOTAL DEPTH: same

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

5. LEASE
U-44020

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Winter Camp

8. FARM OR LEASE NAME
Federal

9. WELL NO.
Hancock Federal #27-9

10. FIELD OR WILDCAT NAME
Undesignated

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
NE1/4 Sec. 27-T17S-R25E

12. COUNTY OR PARISH
Grand

13. STATE
Utah

14. API NO.
43-019-31014

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5162' GL, 5172' KB

REQUEST FOR APPROVAL TO:

- TEST WATER SHUT-OFF
- FRACTURE TREAT
- SHOOT OR ACIDIZE
- REPAIR WELL
- PULL OR ALTER CASING
- MULTIPLE COMPLETE
- CHANGE ZONES
- ABANDON*

SUBSEQUENT REPORT OF:

RECEIVED
DEC 10 1982
DIVISION OF
GAS & MINING

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

(other) Status Report

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.)*

Spudded with rat hole rig at 9:00 PM 12/1/82. Moved in Veco Drilling Rig #2 on 12/3/82.

Ran 5 joints 8-5/8" 24# casing to 223' KB. Cemented with 150 sacks Type "G", 3% CaCl₂, 1/4#/sx D-29.

Reached total depth on 12/6/82. TD 3072'.

Ran 67 joints of 4 1/2", 10.5# J-55 casing to 2691' and cemented with 150 sacks RFC. Plug down at 7:30 AM 12/8/82.

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 12/8/82
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

SUBMIT IN DUPLICATE

3 Form approved Budget Bureau No. 42 R355 9

5. LEASE DENOMINATION AND SERIAL NO.

U-44020

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Winter Camp

8. FARM OR LEASE NAME

Federal

9. WELL NO.

Hancock Federal No. 27-9

10. FIELD AND POOL, OR WILDCAT

Undesignated

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

NE 1/4 SE 1/4 Sec. 27-17S-25E

12. COUNTY OR PARISH Grand

13. STATE Utah

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL [] GAS WELL [X] DRY [] Other []

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

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 705' FEL, 1590' FSL. At top prod. interval reported below same. At total depth same.

14. PERMIT NO. 43-019-31014 DATE ISSUED 10/19/82

15. DATE SPUNDED 12/1/82 16. DATE T.D. REACHED 12/6/82 17. DATE COMPL. (Ready to prod.) 12/24/82 18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 5162' GL, 5172' KB 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 3072' 21. PLUG, BACK T.D., MD & TVD 2652' 22. IF MULTIPLE COMPLETIONS, HOW MANY* 23. PRIMARY TOOLS 24. CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND FEET) 2532-2548 - Dakota 25. WAS DIRECTIONAL SURVEY MADE no

RECEIVED JAN 19 1983

26. TYPE ELECTRIC AND OTHER LOGS RUN: DNL CDL/CNS 27. WAS WELL COBED no

Table with 5 columns: CASINO SIZE, WEIGHT, LB./FT., DEPTH SET (MD), HOLE SIZE, AMOUNT PULLED. Includes data for 8-5/8" and 4-1/2" casings.

Table with 2 main sections: 29. LINER RECORD (SIZE, TOP (MD), BOTTOM (MD), SACKS CEMENT*, SCREEN (MD)) and 30. TUBING RECORD (SIZE, DEPTH SET (MD), PACKER SET (MD)).

31. PERFORATION RECORD (Interval, size and number) 2532-2548 - 17 shots total, .31" dia. 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. Table with DEPTH INTERVAL (MD) and AMOUNT AND KIND OF MATERIAL USED.

33. PRODUCTION Table with columns: DATE FIRST PRODUCTION, PRODUCTION METHOD, WELL STATUS, DATE OF TEST, HOURS TESTED, CHOKER SIZE, PROD'N. FOR TEST PERIOD, OIL-BBL., GAS-MCF., WATER-BBL., GAS-OIL RATIO, FLOW. TUBING PRESS., CASING PRESSURE, CALCULATED 24-HOUR RATE, OIL-BBL., GAS-MCF., WATER-BBL., OIL GRAVITY-API (CORR.).

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) 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 1/14/83

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

INSTRUCTIONS

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

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

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

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

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

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

| FORMATION | TOP | BOTTOM | DESCRIPTION, CONTENTS, ETC. | GEOLOGIC MARKERS | |
|-----------|-----|--------|-----------------------------|------------------|------------------|
| | | | | NAME | MEAS. DEPTH |
| | | | | | TRUE VERT. DEPTH |
| | | | | Dakota Silt | 2444' |
| | | | | Dakota Sand | 2508' |
| | | | | Morrison | 2656' |
| | | | | Salt Wash | 2958' |

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

RECEIVED
JAN 31 1983

DIVISION OF
OIL, GAS & MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number Hancock Federal No. 27-9

Operator Beartooth Oil & Gas Company Address P. O. Box 2564, Billings, MT.

Contractor Veco Drilling Company Address P. O. Box 1705, Grand Junction, CO.

Location NE 1/4 SE 1/4 Sec. 27 T. 17S R. 25E County Grand

Water Sands

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

(Continue of reverse side if necessary)

| <u>Formation Tops</u> | | |
|-----------------------|--|-------|
| Dakota Silt | | 2444' |
| Dakota Sand | | 2508' |
| Morrison | | 2656' |
| Salt Wash | | 2958' |

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.

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

5. LEASE DESIGNATION AND SERIAL NO.

U-44020

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

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

7. UNIT AGREEMENT NAME

Winter Camp

8. FARM OR LEASE NAME

Federal

9. WELL NO.

Hancock Federal No. 27-9

10. FIELD AND POOL, OR WILDCAT

Undesignated

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

NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 27-17S-25E

1. OIL WELL GAS WELL OTHER

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.* See also space 17 below.)
At surface

705' FEL, 1590' FSL

14. PERMIT NO.
43-019-31014

15. ELEVATIONS (Show whether DF, RT, OR, etc.)
5162' GL, 5172' KB

12. COUNTY OR PARISH
Grand

13. STATE
Utah

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

NOTICE OF INTENTION TO:

| | |
|--|---|
| 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) <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Change of Operator

SUBSEQUENT REPORT OF:

| | |
|--|--|
| 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) <input type="checkbox"/> | <input type="checkbox"/> |

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

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

The Operator for the above well has been changed back to:

Burton W. Hancock
1799 Hamilton Avenue
San Jose, California 95125

RECEIVED

MAY 25 1984

DIVISION OF OIL
GAS & MINING

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

SIGNED Robert D. Ballantyne
Robert D. Ballantyne

TITLE Drilling Supervisor

DATE 5/22/84

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO

U-4402

PGW

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

033135

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Burton W. Hancock

3. ADDRESS OF OPERATOR
404 Petroleum Building, Billings, Montana 59101

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface
1590' FSL, 705' FEL

14. PERMIT NO.
43-019-31014

15. ELEVATIONS (Show whether DF, RT, OR, etc.)
5162' GL, 5172' KB

RECEIVED
MAR 27 1987

DIVISION OF
OIL, GAS & MINING

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
27-9

10. FIELD AND POOL, OR WILDCAT
State Line

11. SEC., T., R., M., OR BLM, AND SURVEY OR AREA
NE 1/4 SE 1/4 Sec. 27-T17S-R25E

12. COUNTY OR PARISH
Grand

13. STATE
Utah

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

| | | | |
|--|---|--|--|
| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
| TEST WATER SHUT-OFF <input type="checkbox"/> | PULL OR ALTER CASING <input type="checkbox"/> | WATER SHUT-OFF <input type="checkbox"/> | REPAIRING WELL <input type="checkbox"/> |
| FRACTURE TREAT <input type="checkbox"/> | MULTIPLE COMPLETE <input type="checkbox"/> | FRACTURE TREATMENT <input type="checkbox"/> | ALTERING CASING <input type="checkbox"/> |
| SHOOT OR ACIDIZE <input type="checkbox"/> | ABANDON* <input type="checkbox"/> | SHOOTING OR ACIDIZING <input type="checkbox"/> | ABANDONMENT* <input type="checkbox"/> |
| REPAIR WELL <input type="checkbox"/> | CHANGE PLANS <input type="checkbox"/> | (Other) <input type="checkbox"/> | |

(Other) **Temporarily Shut-in**

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.)*

Burton W. Hancock hereby requests a one-year shut-in status for this well. Due to low productivity and low gas prices (less than \$1.20/mcf), the well has been operated at a loss over the past year.

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

SIGNED *J. James D. Reuter* TITLE Consulting Petroleum Engineer DATE March 25, 1987

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY: _____

ACCEPTED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING

DATE: 3-30-87

BY: *John R. Dyer*

*See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBJECT IS UNCLASSIFIED
(Other instructions on reverse side)

Expires August 31, 1985
5. LEASE DESIGNATION AND SERIAL NO.
U-4402 SGW/DKTA
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
030207

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to the surface.
Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
BURTON W. HANCOCK

3. ADDRESS OF OPERATOR
P. O. Box 989
Billings, MT 59103

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface 1590' FSL, 705' FEL

5. DIVISION OF OIL, GAS & MINING

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
27-9

10. FIELD AND POOL, OR WILDCAT
State Line

11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA
NE1/4 Sec. 27: T17S-R25E

12. COUNTY OR PARISH
GRAND

13. STATE
UTAH

14. PERMIT NO.
43-019-31014

15. ELEVATIONS (Show whether DF, RT, OR, etc.)
5162' GL, 5172' KB

RECEIVED
FEB 24 1988

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

| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
|--|---|--|--|
| TEST WATER SHUT-OFF <input type="checkbox"/> | PULL OR ALTER CASING <input type="checkbox"/> | WATER SHUT-OFF <input type="checkbox"/> | REPAIRING WELL <input type="checkbox"/> |
| FRACTURE TREAT <input type="checkbox"/> | MULTIPLE COMPLETE <input type="checkbox"/> | FRACTURE TREATMENT <input type="checkbox"/> | ALTERING CASING <input type="checkbox"/> |
| SHOOT OR ACIDIZE <input type="checkbox"/> | ABANDON* <input type="checkbox"/> | SHOOTING OR ACIDIZING <input type="checkbox"/> | ABANDONMENT* <input type="checkbox"/> |
| REPAIR WELL <input type="checkbox"/> | CHANGE PLANS <input type="checkbox"/> | (Other) <u>REPORT TO CHANGE OF ADDRESS</u> <input checked="" type="checkbox"/> | |

(Other) REPORT TO CHANGE OF ADDRESS
(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.)*

Effective immediately, please change the mailing address for Burton W. Hancock to the post office box shown above. The new street address is 402 Petroleum Building, Billings, Montana 59101. Phone numbers remain the same as submitted on a previous Sundry Notice.

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

SIGNED James G. Routson TITLE Agent for Operator DATE February 15, 1988

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Burton W. Hancock

402 Petroleum Building
Billings, Montana 59101

May 26, 1989

RECEIVED
MAY 30 1989

Utah Division of Oil, Gas & Mining
3 Triad Center, Suite 350
Salt Lake City, Utah 84180

OFF
OF OIL, GAS & MINING

Attention: John Baza

Re: State No. 32 Alt. No. 2
Federal No. 27-9
Hancock Govt. No. 1
Grand County, Utah

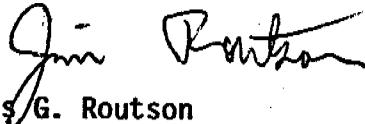
Dear John,

Enclosed is a sundry notice to plug a non-productive well on a state lease, and also two non-productive wells on federal leases. The federal lease notices have also been sent to the BLM in Moab.

I plan to be in Grand Junction the week of June 11-18 and do the work then. Your expedient approval of these plugging notices will therefore be appreciated.

We plan to do the rehab work and seed in the Fall. If you have any questions, please call.

Very truly yours,



James G. Routson
Consulting Petroleum Engineer

JGR:hg
Enclosures
xc: Burton W. Hancock

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

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

5. LEASE DESIGNATION AND SERIAL NO.

U-4402

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

27-9

10. FIELD AND POOL, OR WILDCAT

State Line

11. SEC., T., R., M., OR BLK. AND SURVEY OR ARMA

NE 1/4 Sec. 27-T17S-R25E

12. COUNTY OR PARISH

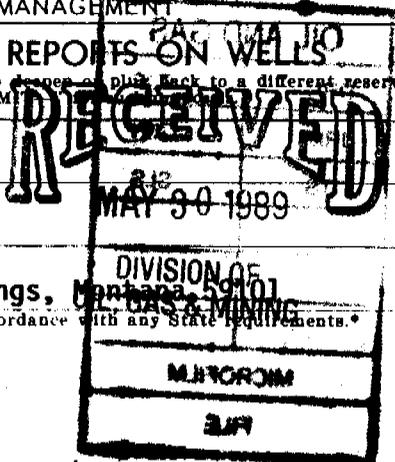
Grand

13. STATE

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen a well back to a different reservoir.
Use "APPLICATION FOR PERMIT TO DRILL" form.)



1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Burton W. Hancock

3. ADDRESS OF OPERATOR
402 Petroleum Building, Billings, Montana, 59101

4. LOCATION OF WELL (Report location clearly and in accordance with any State Requirements.*
See also space 17 below.)
At surface
1590' FSL, 705' FEL

14. PERMIT NO.
43-019-31014

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
5162' GL, 5172' KB

12. COUNTY OR PARISH
Grand

13. STATE
Utah

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF
FRACTURE TREAT
SHOOT OR ACIDIZE
REPAIR WELL

PULL OR ALTER CASING
MULTIPLE COMPLETE
ABANDON*
CHANGE PLANS

WATER SHUT-OFF
FRACTURE TREATMENT
SHOOTING OR ACIDIZING

REPAIRING WELL
ALTERING CASING
ABANDONMENT*

(Other)

(Other)

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

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

The Federal No. 27-9 has 8 5/8" casing set at 223', cemented to surface. 4 1/2" casing is set at 2691', cement top is 1990'. PBDT is 2612', perforations in the Dakota are 2532-2548'. The well was air drilled through the Dakota and encountered no porous zones above 2532'.

This well has no further potential to produce commercially. Hancock hereby proposes to P&A the well as follows:

- (1) Pull and lay down 1 1/2" tubing.
- (2) Squeeze perforations 2532-2548' from surface with 90 sacks Class "G", 20% gel. This is the casing volume plus 8 sacks. Entire casing volume will be left full of cement.
- (3) Squeeze 4 1/2", 8 5/8" annulus with 20 sacks. This will fill the annulus to the surface casing shoe at 234'.
- (4) Remove wellhead equipment, install regulation dry hole marker.
- (5) Reshape and reseed location in Fall, 1989. Seed formula stipulated by the Grand Resource Area will be used.

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

SIGNED James G. Routson TITLE Consultine Petroleum Engineer DATE May 26, 1989

(This space for Federal or State office use)

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

Federal approval of this action is required before commencing operations.

*See Instructions on Reverse Side

ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 6-25-89
BY: [Signature]

CUSTOMER COPY

SERVICE OPERATIONS CONTRACT

TERMS NET 30 DAYS FROM DATE OF CONTRACT



P.O. Box 4442, Houston, Tx. 77210
 REMIT TO: P.O. Box 200416, Houston, Tx. 77216

| | | | | | |
|-----------------------------------|--|---------------------------------------|--|--|--------------------------------|
| CUSTOMER ACCOUNT NO. | | DIST. NUMBER 32 | | DATE 06-19-89 | SERVICE CONTRACT NO. 506571 |
| CUSTOMER BURTON W HANCOCK | | | | NEW WELL <input type="checkbox"/> OLD WELL <input checked="" type="checkbox"/> | WELL TYPE PTA |
| ADDRESS 402 Petroleum Building | | | | WELL NO. 27-9 | LEASE HANCOCK Fpd |
| CITY Billings | | STATE MONT | ZIP 59101 | COUNTY/PARISH G-RAND | CODE 019 |
| AUTHORIZED BY | | ORDER NO. | FIELD NAME | STATE MT | CODE 73 |
| STAGE NO. 1 | TYPE JOB Cement PTA | WORKING DEPTH | FT | PUMPING EQUIPMENT | |
| TOTAL PREV. GALS. | 1 SURFACE <input type="checkbox"/> INTERMEDIATE <input type="checkbox"/> | 3 PRODUCTION <input type="checkbox"/> | 4 REMEDIAL <input checked="" type="checkbox"/> | TRUCK CALLED | 05:00A |
| TOTAL MEAS. DEPTH | SIZE HOLE | DEPTH | 2612 | ARRIVED AT JOB | 05:45A |
| 2612 | SIZE & WT. CASING | DEPTH | 2612 | START OPERATION | 07:30A |
| 2612 | SIZE & WT. DRILL PIPE OR TUBING | DEPTH | | FINISH OPERATION | 02:50A |
| AVG. PSI. | PACKER DEPTH | FLUID PUMPED | CEMENT | TIME RELEASED | 08:00 |
| 250 | | | | MILES FROM STATION TO WELL | 45 |
| MAX. PSI. | CUSTOMER INSTRUCTIONS FOR DISPOSAL OF RETURNED CEMENT | | | | |
| 500 | | | | | |
| MAX. BPM | | | | | |
| 3.5 | | | | | |
| S/S EMPLOYEE NUMBER | | | | | |
| 185527 | | | | | |

REMARKS

REMARKS

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered)

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of BJ TITAN SERVICES.

SIGNED: James Barton
 (WELL OWNER, OPERATOR, CONTRACT OR AGENT)

| PRICE BOOK | PRICE BOOK REF. NO. | QUANTITY | DESCRIPTION | UNIT PRICE | U/M | PRICE EXTENSION |
|------------|---------------------|----------|--------------------------|------------|-----|-----------------|
| 04 | | 1 | Pump TRUCK Charge | 1280.00 | EA | 1280 00 |
| | | 11 | Additional FT Below 1500 | 4.00 | EA | 44 00 |
| | | 90 | Mileage Round Trip | 1.12 | EA | 100 80 |
| | | 110 | CEMENT | 8.82 | CF | 970 20 |
| | | | 20% gelin 110 cement | 1.84 | | 202 40 |
| | | 145 | Mixing Service Charge | .95 | | 137 75 |
| | | 279 | Dayage | .75 | TH | 209 25 |
| | | | | | | 3944 40 |
| | | | | | | 1001 10 |
| | | | | | | 1943 30 |

SERVICE REPRESENTATIVE: Dee Decker

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: James Barton

CHECK IF CONTINUATION IS USED

(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

CUSTOMER: This is not an invoice - This Service Operations Contract is subject to review and correction by our Accounting Department.

LONE MOUNTAIN PRODUCTION COMPANY

P.O. BOX 3394
408 PETROLEUM BUILDING
BILLINGS, MONTANA 59103-3394
(406) 245-5077

RECEIVED
JUL 07 1989

June 29, 1989

Bureau of Land Management
P. O. Box 970
Moab, UT 84532

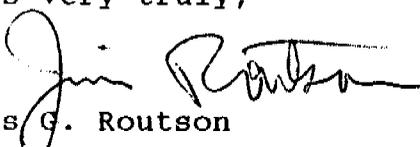
DIVISION OF
OIL, GAS & MINING

Gentlemen:

Enclosed please find, in triplicate, the Sundry Notice of Abandonment for the following wells, both of which are located in Grand County, Utah:

- 1) Hancock #27-9 Federal ✓
NE SE Sec. 27: T17S-R25E
- 2) Hancock Govt. #1
NE NW Sec. 21: T17S-R25E

Yours very truly,


James G. Routson

lw

Enclosures

xc/Burton W. Hancock
DOG/M/2 copies

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

EXPIRES 11 31 1985
(Other instructions on re-verse side)

Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO

U-4402

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

27-9

FIELD AND POOL, OR WILDCAT

State Line

SEC., T., R., M., OR BLM. AND SURVEY OR AREA

NE 1/4 Sec. 27: T17S-R25E

12. COUNTY OR PARISH

Grand

13. STATE

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Burton W. Hancock

3. ADDRESS OF OPERATOR
402 Petroleum Bldg., Billings, Montana 59101

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

1590' FSL, 705' FEL

RECEIVED
JUL 07 1989

14. PERMIT NO.
43-019-31014

15. ELEVATIONS (Show whether DF, RT, OR, etc.)
5162' GL, 5172' KB

DIVISION OF
OIL, GAS & MINING

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF
FRACTURE TREAT
SHOOT OR ACIDIZE
REPAIR WELL
(Other)

PULL OR ALTER CASING
MULTIPLE COMPLETE
ABANDON*
CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF
FRACTURE TREATMENT
SHOOTING OR ACIDIZING
(Other)

REPAIRING WELL
ALTERING CASING
ABANDONMENT*

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

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

Plugged and abandoned on June 19, 1989 as follows:

Rigged up B-J. Pumped 20 sacks Class "G", 20% gel into 8-5/8" / 4-1/2" annulus. Pumped 90 sacks into 4-1/2" casing. Final squeeze pressure-500 psig. Welded on regulation dry hole marker. Finished plugging at 8:15 AM, June 19, 1989. Back-filled cellar. Plugging witnessed by Glen Goodwin of the Utah Division of Oil, Gas & Mining.

--attached are cement service contract and invoice copy--

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

SIGNED James G. Routson

TITLE Consulting Petroleum Engineer DATE June 28, 1989

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____ DATE _____

*See Instructions on Reverse Side

RECEIVED

UNITED STATES

43-19-31014

EA #039-83

| | |
|----|--|
| 27 | |
| | |
| | |
| | |

DEC 20 1993

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
CONSERVATION DIVISION

Sec. 27
T. 17S
R. 25E

DIVISION OF OIL, GAS & MINERAL INDIVIDUAL WELL RECORD

SLB& Mer.
APR 23 1993 31014
Ref. No.

PUBLIC LAND:

Date January 28, 1983

Land office Utah State Utah

Serial No. 4402 County Grand

Lessee Burton W. Hancock Field Winter Camp Unit

Operator BURTAN W. HANCOCK
Beartooth Oil & Gas Company District Salt Lake City 029AB

Well No. 27-9 Subdivision NE SE

Location 705' FEL & 1590' FSL 5173 KB

Drilling approved December 1, 19 82 Well elevation 5162 CL, feet

Drilling commenced December 1, 19 82 Total depth 3072 PB 2652 feet

Drilling ceased December 6, 19 82 Initial production 237 MCF/CPD
* 1436 Initial flow rate 22 mcf

Completed for production Dec. 24, 19 82 Gravity A. P. I. NA

Abandonment approved August 2, 19 89 Initial R. P. FTP-30#, CP-79#
* 1436 Initial flow rate 345 ft

Geologic Formations FAN Approved 12/6/93 Productive Horizons

| Surface | Lowest tested | Name | Depth | Contents |
|---------------|------------------|---------------|---------------------------------|------------|
| <u>Mancos</u> | <u>Salt Wash</u> | <u>Dakota</u> | <u>2532-2548</u> (selective) | <u>gas</u> |

WELL STATUS

| YEAR | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | OCT. | NOV. | DEC. |
|------|----------------|------|------|-----------------------------|----------------|--------------------------|------|------------------------|-------------|------|------|---------------|
| 1982 | | | | | | | | | | | | TD3072 GSI |
| 1985 | | | | | | 412185 Nonpaying well | | | | | | |
| 1986 | 436 MKO P&W | | | | | | | | 4386 P&W | | | |
| 1987 | | | | 43189 approval (GSI 14A) | | | | | | | | |
| 1989 | | | | | GSI 5/24/89 | 40310 GSI 14A | | SRA Approved 8/2/89 | | | | |

1993 Geologic Markers: See Well File *last prod. FAN APPROVED*

casing record: 8 5/8" cc @ 223' KB w/150 sxs
4 1/2" cc @ 2691' KB w/150 sxs

*705 Nonpaying well, Winter Camp Unit
WGS is still basic*

U-922 eWR