

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

5. LEASE DESIGNATION AND SERIAL NO.

U-04030

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. 3-8

10. FIELD AND POOL, OR WILDCAT

State Line ~~BAR-X~~

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

SE 1/4 NE 1/4 Sec. 3-T17S-R25E

12. COUNTY OR PARISH

Grand

13. STATE

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

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

1801' FNL, 1240' FEL  
1985 1093

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)

1048'

16. NO. OF ACRES IN LEASE

172.77

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

4234

20. ROTARY OR CABLE TOOLS

Rotary

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

5591' GL, 5602' KB

22. APPROX. DATE WORK WILL START\*

December 15, 1982

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	200'	150 sacks Class 'G' to surface
7-7/8"	4-1/2" new	10.5# J-55 LTC	4234'	175 sacks RFC

- Surface formation is the Mancos.
- Anticipated geologic markers are: Frontier 3260', Dakota 3652', Morrison 3770', Salt Wash 4106'.
- 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. Roufson  
James G. Roufson

TITLE Petroleum Engineer

DATE 10/13/82

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_

APPROVAL DATE

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

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

DATE: 12-1-82

BY: Norman Stout

## 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.

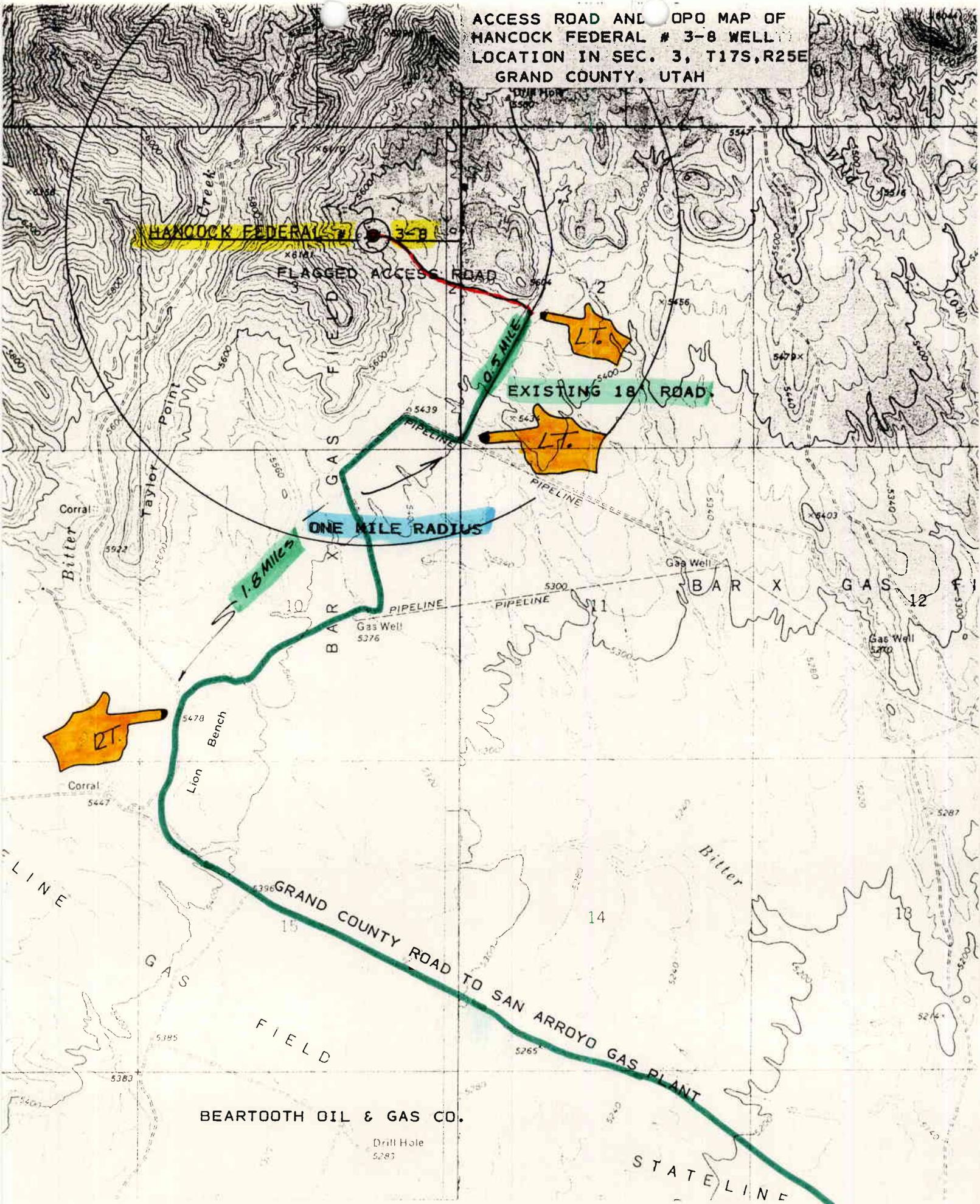
**Items 15 and 18:** If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

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

U.S. 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-SNP or INL logs from TD to above the Frontier. No cores or DST's are planned.
9. No abnormal pressures or temperatures anticipated. No poisonous gas is anticipated.
10. Anticipated spud date is December 15, 1982. Completion operations should commence within 30 days of rig release.
11. Survey plats are attached.
12. The gas is dedicated to Northwest Pipeline.
13. Designation of Agent forms from Burton Hancock will be sent to MMS Unit Division in Denver.
14. This well will be drilled un Burton Hancock's bond.

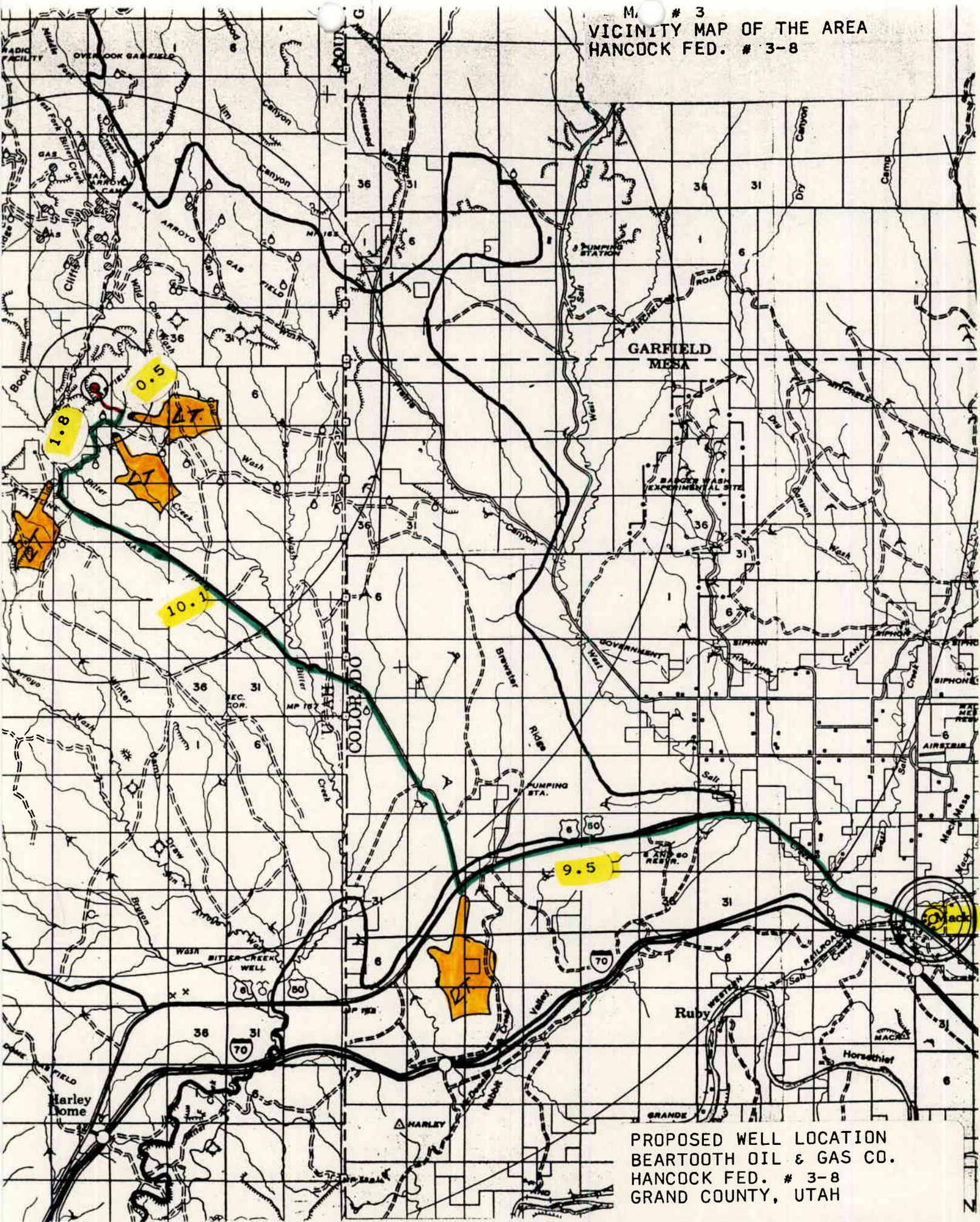
ACCESS ROAD AND OPO MAP OF  
HANCOCK FEDERAL # 3-8 WELL  
LOCATION IN SEC. 3, T17S, R25E  
GRAND COUNTY, UTAH



BEARTOOTH OIL & GAS CO.

Drill Hole  
5285

M. # 3  
VICINITY MAP OF THE AREA  
HANCOCK FED. # 3-8



PROPOSED WELL LOCATION  
BEARTOOTH OIL & GAS CO.  
HANCOCK FED. # 3-8  
GRAND COUNTY, UTAH

OPERATOR BEARTOOTH OIL & GAS CO DATE 10-19-82

WELL NAME HANCOCK FED #3-8

SEC SE NE 3 T 17 S R 25 E COUNTY GRAND

43-019-31019  
API NUMBER

FED  
TYPE OF LEASE

POSTING CHECK OFF:

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

PROCESSING COMMENTS:

There is a conflict between Winter Camp Unit and  
Cause #10 dated 12-13-57  
(WINTER CAMP UNIT EXCLUDED FROM CAUSE 10 & 4  
BY CAUSE #4-2 DATED 11-23-82)  
MP

APPROVAL LETTER:

SPACING:  A-3 WINTER CAMP UNIT  c-3-a \_\_\_\_\_ CAUSE NO. & DATE

c-3-b  c-3-c

SPECIAL LANGUAGE:

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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 *#10 12-13-57*

UNIT *Winter Camp 9-30-77*

c-3-b

c-3-c

OUTSTANDING OR OVERDUE REPORTS FOR OTHER WELLS OF THE OPERATOR.

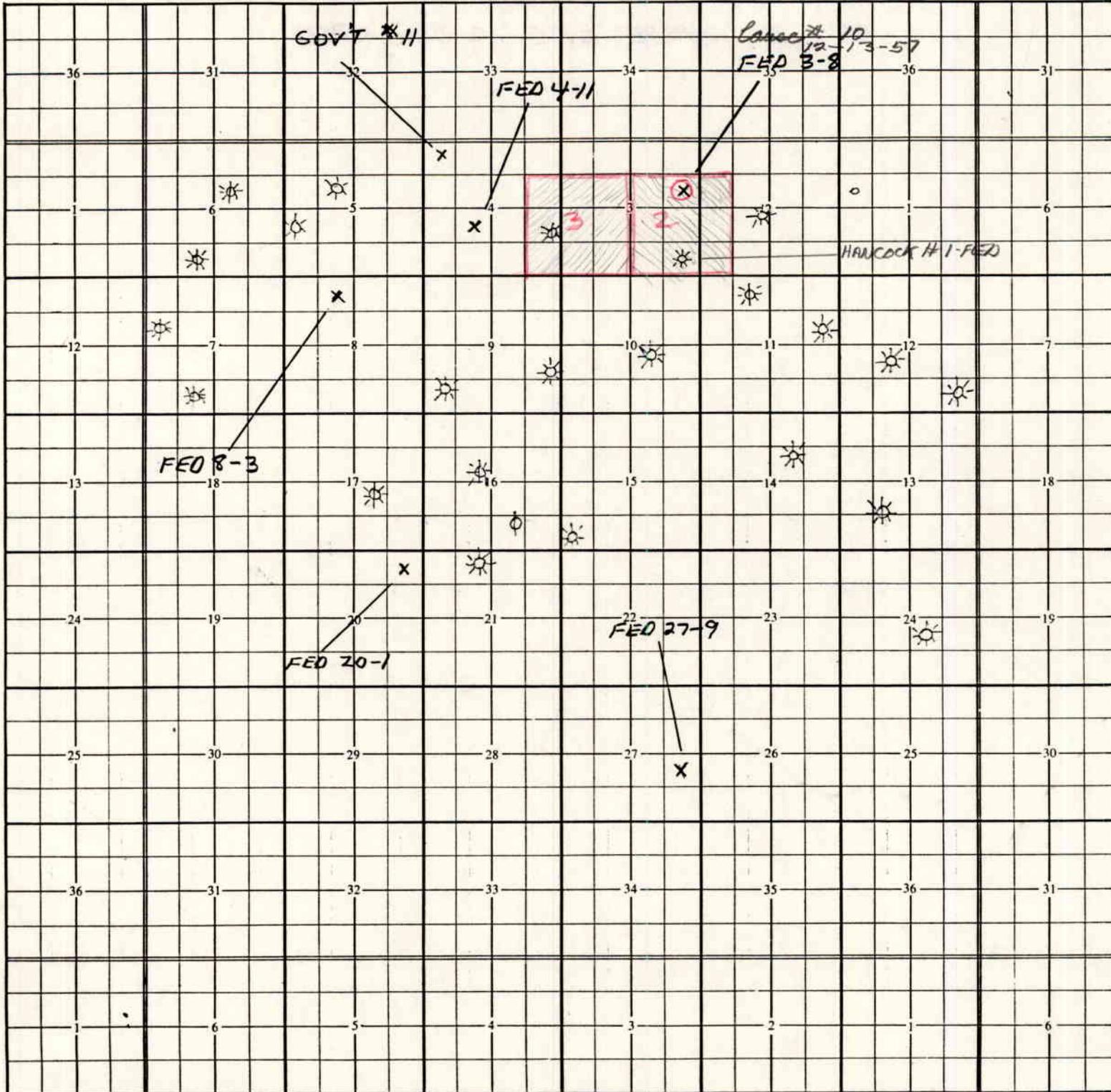
*POTASH - 2/0*

# TOWNSHIP PLAT

Owner BEARTOOTH Date 10-18-82

Township 17S Range 25E County GRAND

X = PROPOSED SITES FOR HANCOCK WELLS



BAR X FIELD INCLUDES THAT PORTION OF  
SEC 3 WHERE SITE IS LOCATED

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, MT 59103

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 1985' FNL, 1093' FEL  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

5. LEASE  
U-04030

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. 3-8

10. FIELD OR WILDCAT NAME  
~~State Line~~ BAR-X

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
SE 1/4 Sec. 3-T17S-R25E

12. COUNTY OR PARISH  
Grand

13. STATE  
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
4570' GL

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

**Location moved**

RECEIVED  
NOV 23 1982  
DIVISION OF  
OIL, GAS & MINING

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

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. 3-8 location was moved to avoid an archaeology site. The attached plat, location layout, and cut and fill diagrams reflect the new location. The new location was the one on which the onsite inspection was made. The attached information is being furnished at the request of the BLM and MMS representatives present at the onsite.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

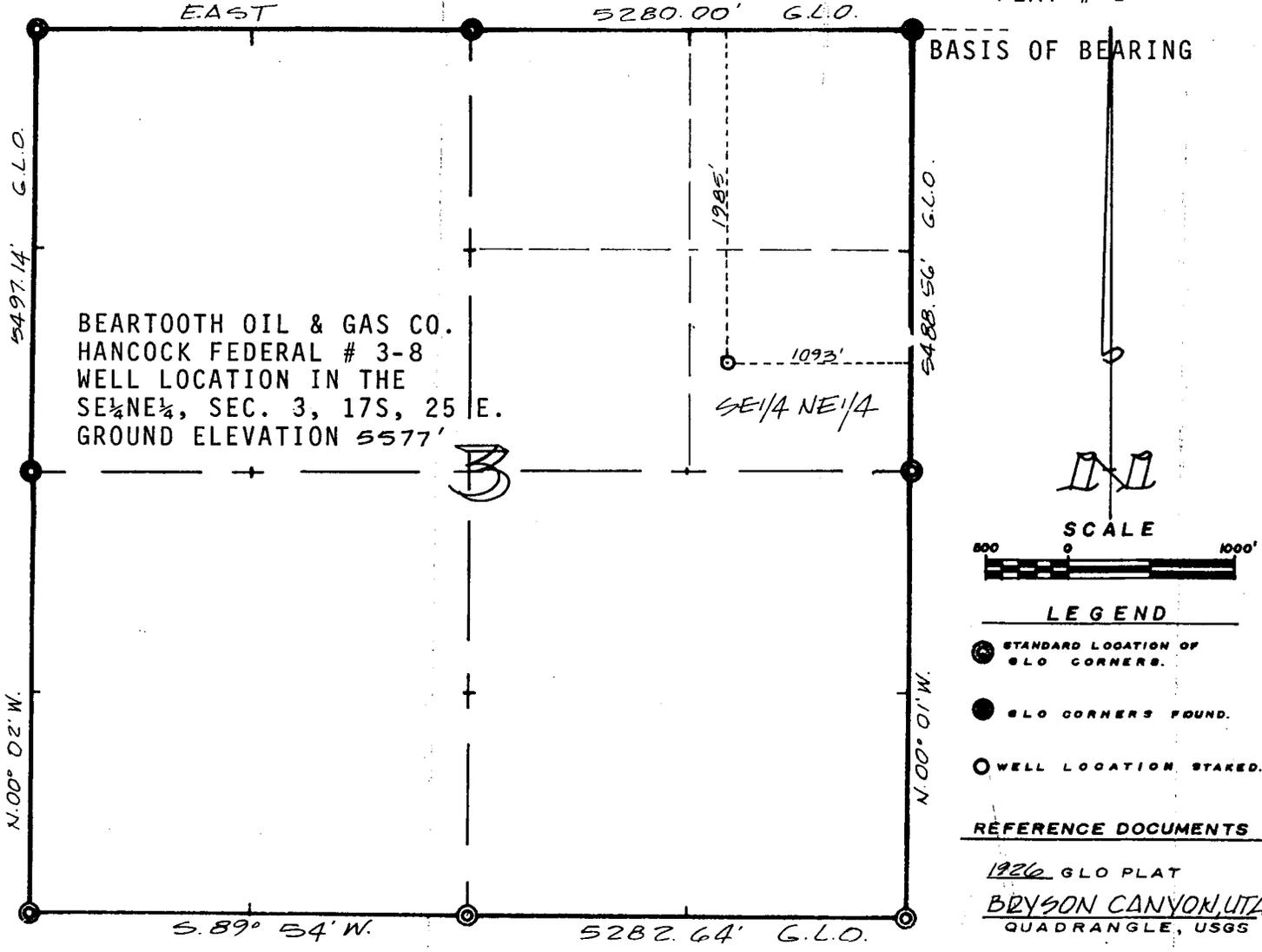
SIGNED James G. Routson TITLE Petroleum Engineer DATE November 18, 1982

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

SEC. 3, T. 17 S., R. 25 E. OF THE S.L.M.

PLAT # 1



BEARTOOTH OIL & GAS CO.  
 HANCOCK FEDERAL # 3-8  
 WELL LOCATION IN THE  
 SE 1/4 NE 1/4, SEC. 3, 17S, 25 E.  
 GROUND ELEVATION 5577'

1985'  
 1093'  
 SE 1/4 NE 1/4



- 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 # 3-8, 1985' F.N.L. & 1093' F.E.L.,  
 IN THE SE 1/4 NE 1/4, OF SECTION 3, T. 17 S., R. 25 E. OF THE S.L.M.  
GRAND COUNTY, UTAH.



**SURVEYOR'S CERTIFICATE**

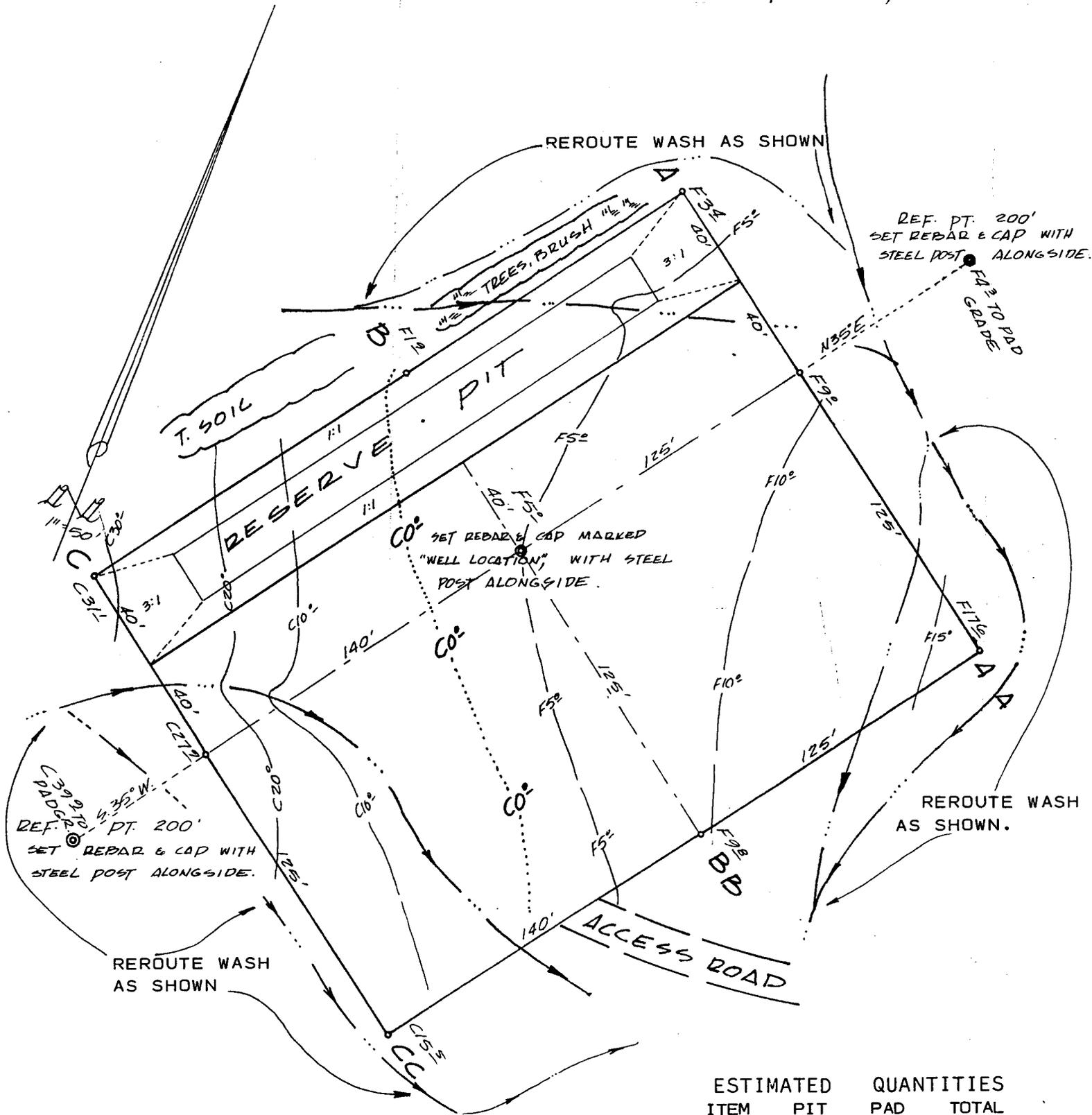
I, LARRY D. BECKER A REGISTERED LAND SURVEYOR  
 IN THE STATE OF UTAH DO HEREBY CERTIFY THAT THIS  
 SURVEY WAS MADE UNDER MY DIRECT SUPERVISION AND  
 THAT THIS PLAT REPRESENTS SAID SURVEY.

*Larry D. Becker*  
 UTAH L.S. NO. 4189

(REV. 11-4-82 LOC. MOVE)

SURVEYED	9-2-82	ENERGY SURVEYS & ENGINEERING CORP.	1156 BOOKCLIFF AVE. NO 4 GRAND JUNCTION, CO. 81501 953 248-7221	SCALE 1" = 1000'
DRAWN	9-3-82			JOB NO.
CHECKED	9-3-82			SHEET

PLAT #2  
PIT & PAD LAYOUT

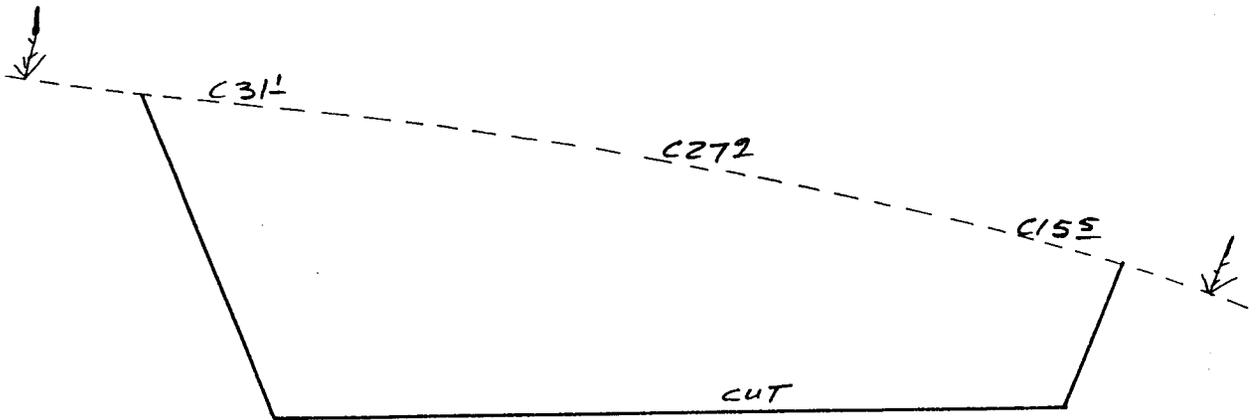
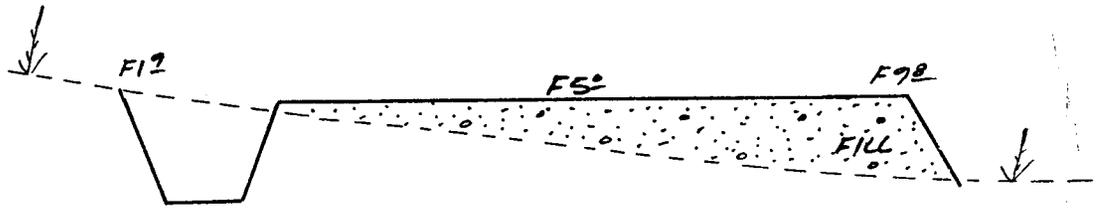
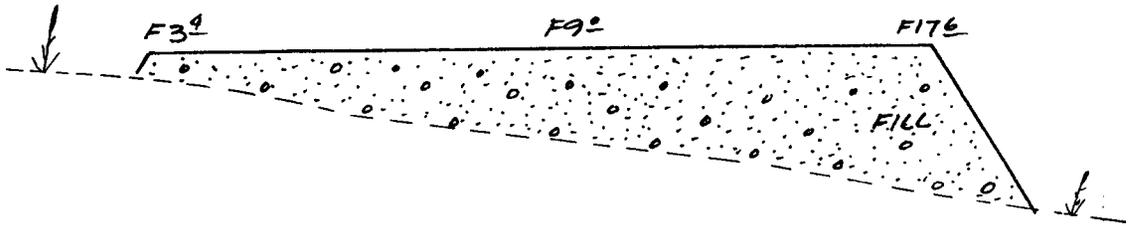


	ESTIMATED	QUANTITIES	
ITEM	PIT	PAD	TOTAL
CUT	2610	11300	13910
FILL	0	10600	10600
T.SOIL	390	1620	2010
EXCESS			1300

PREPARED BY  
ENERGY SURVEYS & ENG'R. CORP.

BEARTOOTH OIL & GAS CO.  
HANCOCK FEDERAL # 3-B  
GRAND COUNTY, UTAH

PLAT # 2A  
CROSS-SECTIONS



SCALE  
1" = 50' HORIZ.  
1" = 20' VERT.

BEARTOOTH OIL & GAS CO  
HANCOCK FEDERAL # 3-8  
GRAND COUNTY, UTAH



December 1, 1982

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

RE: Well No. Hancock Fed. 3-8  
SENE Sec. 3, 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 43-019-31019.

Sincerely,

  
Norman C. Stout  
Administrative Assistant

NCS/as  
cc: MMS  
Enclosure

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

MINERAL MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO.  
U-04030 OIL & GAS OPERATIONS RECEIVED

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

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

8. FARM OR LEASE NAME  
Federal

9. WELL NO.  
Hancock Federal No. 3-8

10. FIELD AND POOL, OR WILDCAT  
State Line

11. SEC., T., R., M., OR BLEK. AND SURVEY OR AREA  
SE 1/4 NE 1/4 Sec. 3-T17S-R25E

12. COUNTY OR PARISH  
Grand

13. STATE  
Utah

17. NO. OF ACRES ASSIGNED TO THIS WELL  
320

22. APPROX. DATE WORK WILL START\*  
December 15, 1982

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

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At proposed prod. zone 1985' same 1093'

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1048'

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172.77

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None

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4234'

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Rotary

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5591' GL, 5602' KB

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(continued on back page)

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24. SIGNED James G. Routson TITLE Petroleum Engineer DATE 10/13/82  
James G. Routson

PERMIT NO. \_\_\_\_\_ APPROVED BY W. J. Martin TITLE E. W. Guynn DATE DEC 15 1982  
E. W. Guynn District Oil & Gas Supervisor

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 & G

## Instructions

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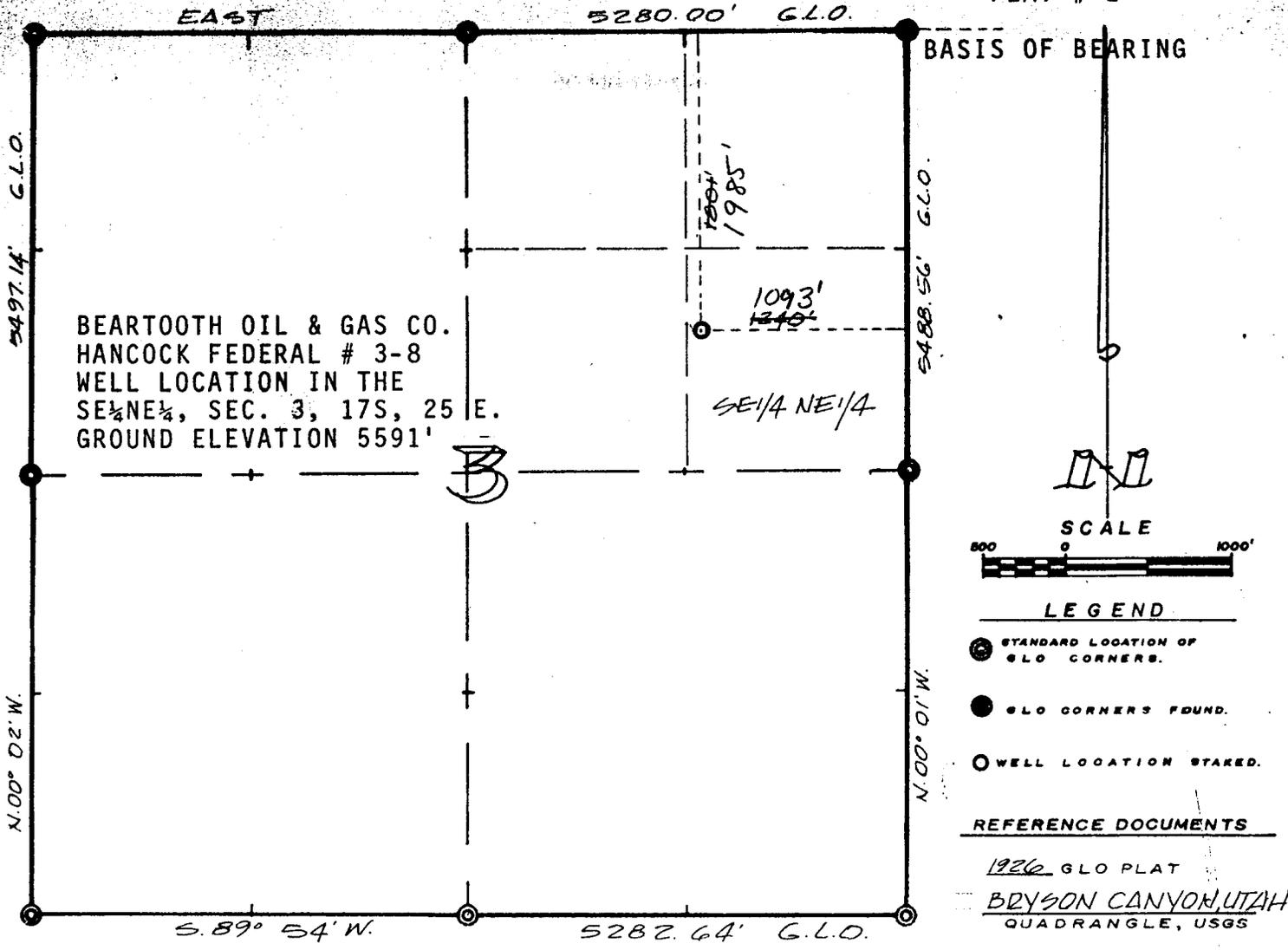
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U.S. GOVERNMENT PRINTING OFFICE : 1981 O - 345-739

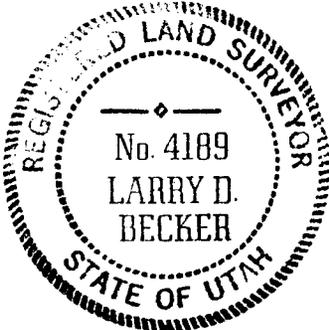
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14. This well will be drilled un Burton Hancock's bond.

SEC. 3, T. 17 S., R. 25 E. OF THE S.L.M.

PLAT # 1



THIS WELL LOCATION PLAT WAS PREPARED FOR BEARTOOTH OIL & GAS CO.  
 AS REQUESTED BY KEN CURREY, TO LOCATE THE  
HANCOCK FEDERAL # 3-8, 1801' FN.L. & 1240' FE.L.,  
 IN THE SE 1/4 NE 1/4, OF SECTION 3, 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	9.2.82	ENERGY SURVEYS & ENGINEERING CORP.	1156 BOOKCLIFF AVE. NO 4 GRAND JUNCTION, CO. 81501 908 248-7221	SCALE	1" = 1000'
DRAWN	9.3.82			JOB NO.	
CHECKED	9.3.82			SHEET	OF

Beartooth Oil and Gas Company  
Well No. 3-8  
Section 3, T.17S., R.25E.  
Grand County, Utah  
Lease U-04030

Supplemental Stipulations

CONSTRUCTION:

- 1) The dirt contractor will be furnished with an approved copy of the surface use plan and additional BLM stipulations prior to any work.
- 2) Use of water from sources such as wells, springs, streams or stock ponds for activities associated with this well will be approved, prior to use, by the agency or individual holding the water right.
- 3) If subsurface cultural material is exposed during construction, work in that spot will stop immediately and the Grand Resource Area Office will be contacted. Salvage or excavation of identified archaeological sites will only be done if damage occurs.
- 4) Improvement to the existing road will not be necessary. The total disturbed width allowed will be as is. The allowable travel surface will be as is. Adequate maintenance will be done to insure drainage control. This will include but not be limited to ditch and crown design and drainage dips.

New road construction on lease U-04030 will be limited to an allowable travel surface width of 18 feet. The total disturbed width will be 35 feet. For construction design and survey refer to class III road standards attachment.

Trees and vegetation will be windrowed along the uphill side.

The top 2 inches of soil material will not be saved and windrowed along the access route.

- 5) Drainages on the North and South sides of the location will be rerouted away and around the location.
- 6) Access road will be rerouted to enter from the East edge of the location.
- 7) Topsoil will be placed on the East edge of the location.
- 8) Production flowlines will follow existing access roads to main transmission lines.
- 9) An archaeologist will be present during excavation of the location.
- 10) The location will be moved 200' Southeast and pad rotated to accommodate cut and fill.

- 11) The top 6 inches of soil material will be removed from the location and stockpiled/windrowed separate from the trees and vegetation on the east side of the location.

Trees and vegetation will be: stockpiled adjacent to the topsoil in the southeast corner of the location.

- 12) The reserve pit will be located on the north side of the location and will not be lined. Keyway. The reserve pit banks will be 1.5 to 2.0 feet above pad and construction in 8" lifts, machinery compacted, and sufficiently wide for equipment to pass over.
- 13) Three sides of the reserve pit will be fenced before drilling starts. The fourth side will be fenced as soon as the drilling is completed. The fence will be kept in good repair while the pit is drying. The fence will be 36 inch woven wire with a single strand of barbed wire on top.
- 14) The pad will be rotated 90 degrees clockwise.

## PRODUCTION

1. The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed in the methods described in the rehabilitation section. All of the stockpiled/windrowed topsoil will be used in reclaiming the unused areas.
2. All above-ground production facilities will be painted using the attached suggested colors.
3. Any burning will require a permit from the State Land Forestry and Fire Control office in Moab. Contact Paul Pratt at (801) 259-6316.
4. Production facilities will be located on the east side of the location.
5. All pipelines should follow existing access routes where feasible.

## REHABILITATION

1. Immediately upon completion of drilling, the location and surrounding area will be cleared of all debris resulting from the operation. All trash will be disposed of in the portable trash cage and will be hauled to a local town dump site. Do not leave any trash in pits.
2. The operator or his contractor will contact the Grand Resource Area BLM office in Moab, Utah, phone (801) 259-8193, 48 hours prior to starting rehabilitation work that involves earthmoving equipment and upon completion of restoration measures.
3. Before any dirt work to restore the location takes place, the reserve pit will be completely dry and any trash (barrels, metal etc.) it contains will be removed from public lands.
4. All disturbed areas will be recontoured to blend as nearly as possible with the surrounding area.
5. The stockpiled topsoil will be evenly distributed over the disturbed area.
6. All disturbed areas will be scarified with the contour to a depth of 8 inches. Do not smooth pads out, leave a roughened surface.
7. Seed will be broadcast at a time to be specified by the BLM with the following seed prescription. When broadcast seeding, a harrow or some such implement will be dragged over the seeded area to assure seed cover.
8. After seeding is complete the stockpiled trees and vegetation will be scattered evenly over the disturbed areas and walked down with a dozer. The access will be blocked to prevent any use/vehicle use.
9. Waterbars will be used as needed on all sloping surfaces as shown below:

### Grade

2%  
2-4%  
4-5%  
+5%

### Spacing

200 ft. spacing  
100 ft. spacing  
75 ft. spacing  
50 ft. spacing

SEED MIXTURE

<u>Species</u>		<u>Rate</u> <u>lbs/acre</u>
<u>Grasses</u>		
Elymus salinus	Salina wildrye	1
Hilaria jamesii	Galleta (Curlygrass)	1
Oryzopsis hymenoides	Indian ricegrass	1
<u>Forbs</u>		
Helianthus annuus	Common sunflower (Kansas sunflower)	.5
Sphaeralcea coccinea	Scarlet globemallow	.5
<u>Shrubs</u>		
Eurotia lanata	Winterfat (Whitesage)	1
Atriplex canescens	Fourwing saltbush (White greasewood)	<u>1</u>
	Total	6

Broadcast seed will be applied at double the above rate.

Seeding will be done in the fall of the year (Oct. - Dec.)



# 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)
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.

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

Hancock Federal #3-8  
SE $\frac{1}{4}$ NE $\frac{1}{4}$  Sec. 3-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 location is approximately 20 miles northwest of Mack, Colorado. It is reached by going 9.5 miles westerly from Mack on U. S. Highway 6-50, then 10.1 miles northwesterly on the San Arroyo road (2 road) then turn right and go 1.8 miles on the existing oil field road to the beginning of the 0.5 mile of new road.
- C. Access road(s) to location color-coded or labeled: Existing access roads are colored green. New construction is colored red.
- 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 Map #1 and Map #3
- F. Plans for improvement and/or maintenance of existing roads: The existing roads are Grand County roads. Occasional blading is done by producing and pipeline companies in the area.

2. Planned Access Roads See Map #1

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

- (1) Width & Disturbance: The 0.5 mile of new road will be constructed with 18 foot running surface and a total disturbed width of 35 feet. The roads will be constructed to meet Moab BLM Class III standards.
- (2) Maximum grades: The maximum grade will be 7%.
- (3) Turnouts: Turnouts will be constructed so that they are intervisible as topography dictates.
- (4) Drainage design: Natural drainage; road will follow contour of the land. The road is designed to utilize the "toe" of the slope so that it will drain properly.
- (5) Location and size of culverts and brief description of any major cuts and fills: No culverts are planned. The largest cut will be about 8-10 feet.
- (6) Surfacing material: Native material only; no material will be brought in.
- (7) Necessary gates, cattleguards, or fence cuts: No fences are crossed by this access road.
- (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. 2)

- (1) Water wells: None
- (2) Abandoned wells: One
- (3) Temporarily abandoned wells: None
- (4) Disposal wells: None
- (5) Drilling wells: One location
- (6) Producing wells: Six
- (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: Separators and/or dehydrators @ gas wells shown on Map No. 2.
- (3) Oil gathering lines: None
- (4) Gas gathering lines: See pipeline map
- (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 will be on the location.
- (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 will be West Salt Creek. The pickup point will be the intersection of the creek and old Highway 6 & 50, two 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 NIL-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  
Three small washes will be diverted around the north end of the location.
- (2) Location of mud tanks, reserve, burn and trash pits, pipe racks, living facilities, and soil material stockpiles: See Plats Nos. 2 & 3
- (3) Rig orientation, parking areas and access roads: See Plat No. 3  
The top 6 inches of surface soil will be stripped and stockpiled on the north end of the location.
- (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 situated at the foot of the Bookcliffs in a sparse juniper cover valley. The soils are shallow and rocky. Juniper, sagebrush and rabbit brush are the dominate vegetation. Rabbits and coyotes are the noticable wildlife species.
- (2) Other surface use activities and surface ownership of all involved lands: The area produced limited livestock and wildlife forage.
- (3) Proximity of water, occupied dwellings, archeological, historical or cultural sites: The nearest occupied dwellings are in the irrigated Grand Valley 15 miles south east of the proposed wellsite. The nearest live water is the Colorado River 20 miles south of the wellsite.  
A cultural resource survey has been completed and the report is on file with the Moab BLM.

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

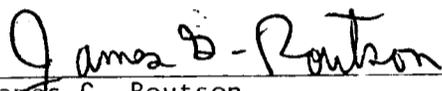
Date

Ken 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 4234' or a gradient of .19 psi/ft or less. No abnormal temperatures or hydrogen sulfide gas are anticipated.

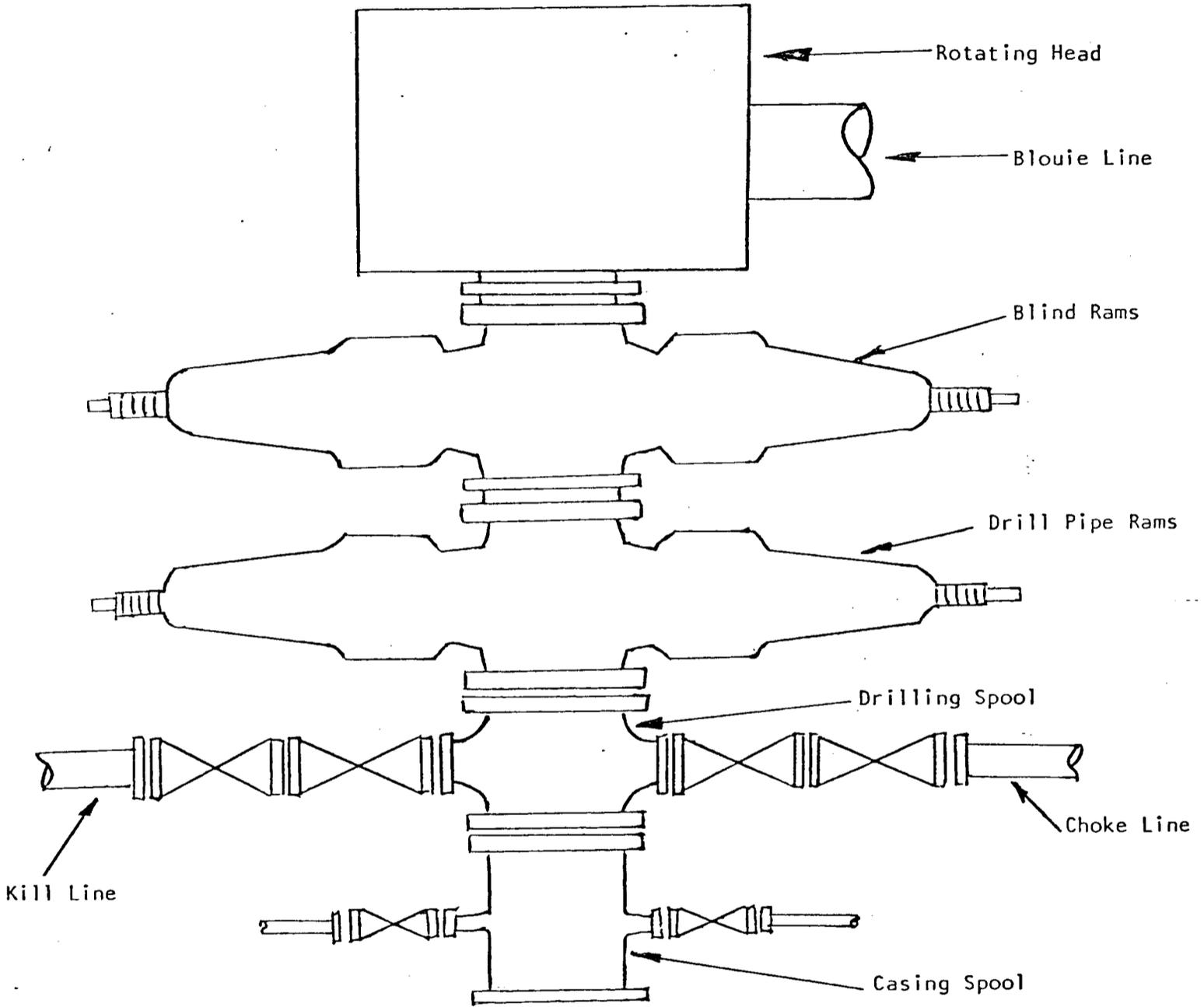
BEARTOOTH OIL & GAS COMPANY

  
James G. Routson  
Petroleum Engineer

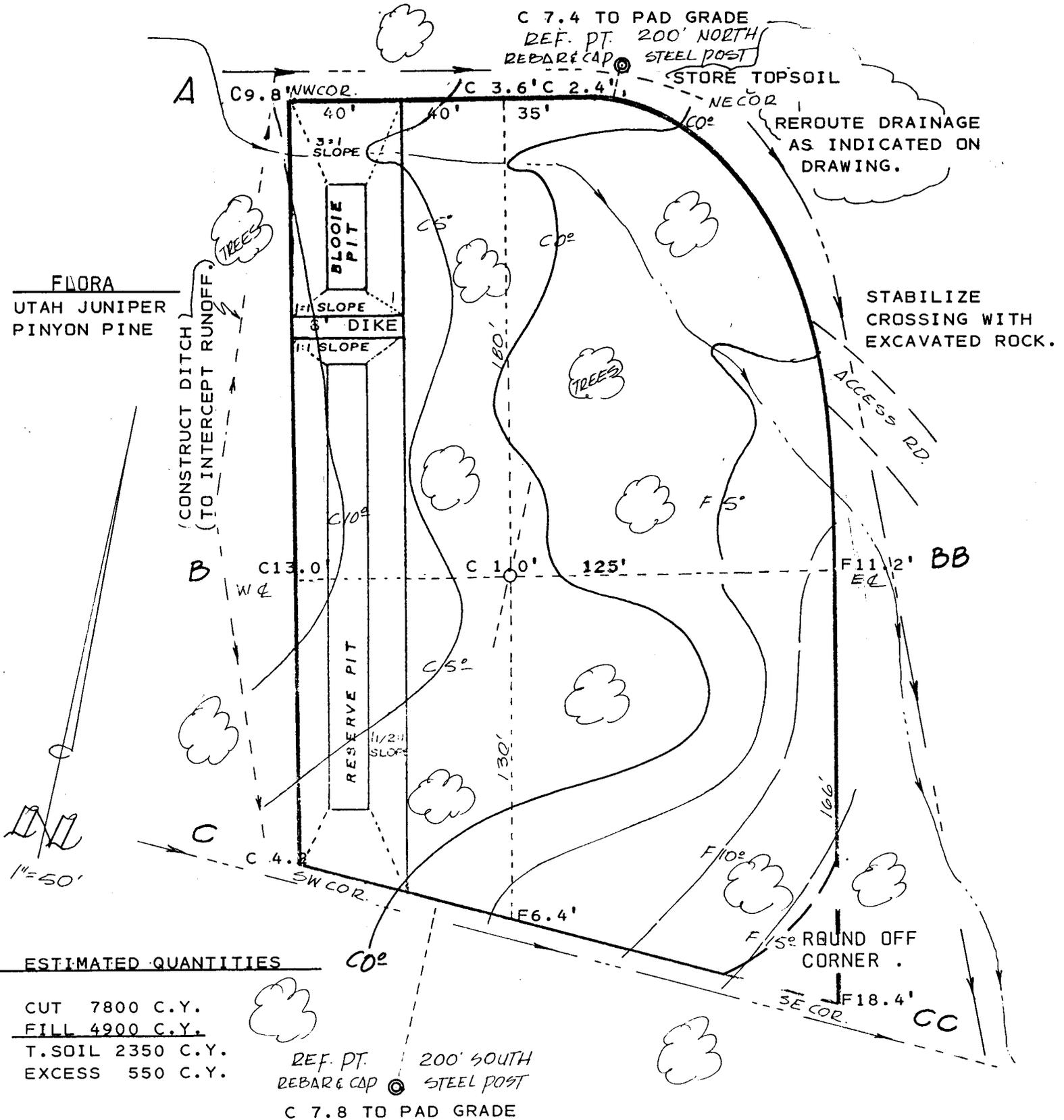
SCHEMATIC OF BOP STACK

Air drilled wells using 900 series wellhead equipment.

Interval from 200' to total depth.



PLAT # 2  
 PIT & PAD LAYOUT  
 HANCOCK FEDERAL # 3-8



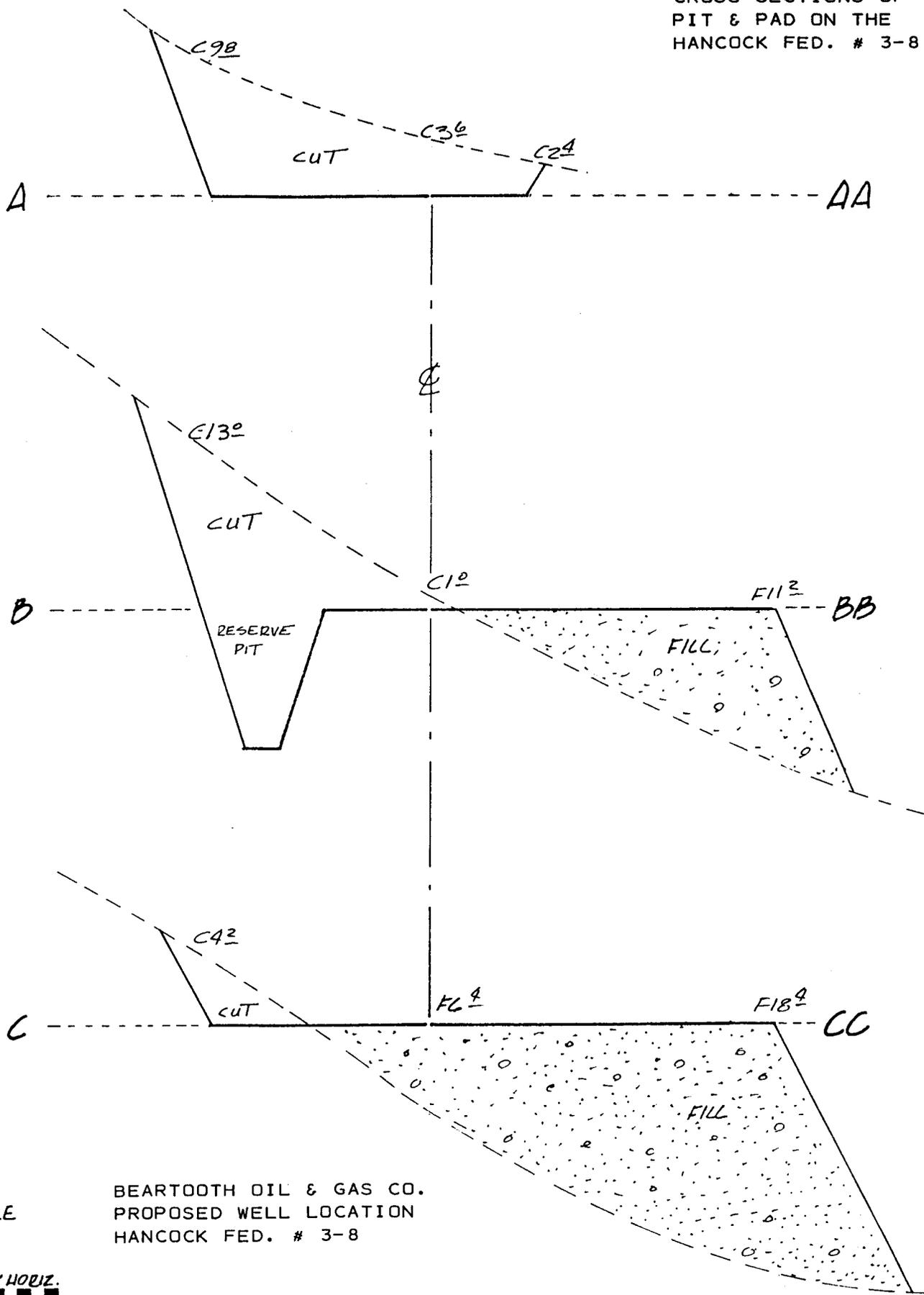
ESTIMATED QUANTITIES

CUT 7800 C.Y.  
 FILL 4900 C.Y.  
 T.SOIL 2350 C.Y.  
 EXCESS 550 C.Y.

REF. PT. 200' SOUTH  
 REBAR & CAP STEEL POST  
 C 7.8 TO PAD GRADE

CROSS-SECTIONS

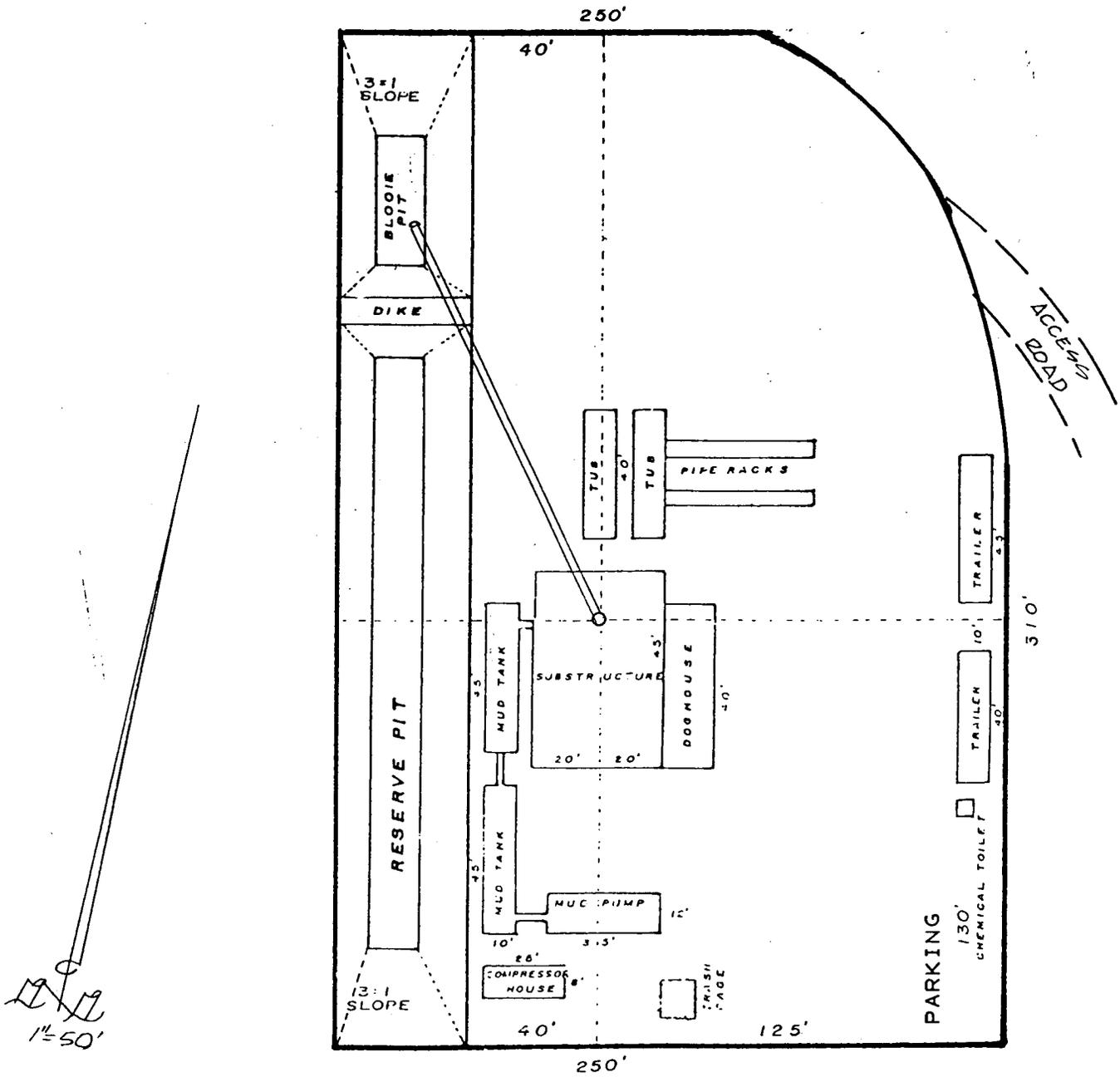
PLAT # 2A  
CROSS-SECTIONS OF  
PIT & PAD ON THE  
HANCOCK FED. # 3-8



BEARTOOTH OIL & GAS CO.  
PROPOSED WELL LOCATION  
HANCOCK FED. # 3-8



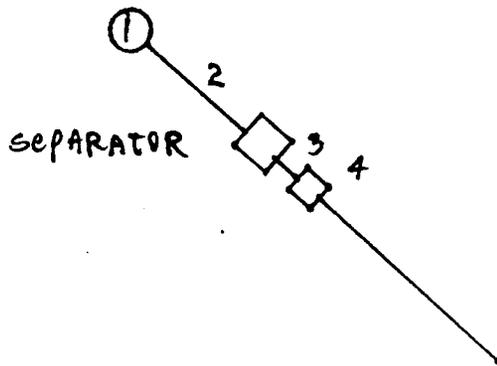
PLAT # 3  
 RIG LAYOUT  
 HANCOCK FEDERAL # 3-8



PREPARED BY  
 ENERGY SURVEYS & ENG'R. CORP.

BEARTOOTH OIL & GAS CO.  
 HANCOCK FEDERAL # 3-8  
 WELL LOCATION IN SEC. 3  
 T17S, R25E, GRAND COUNTY, UT.

FACILITIES PLAT NO. 4  
HANCOCK FEDERAL NO. 3-8



5

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.



DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: BEARTOOTH OIL & GAS

WELL NAME: Hancock Federal 3-8

SECTION SENE 3 TOWNSHIP 17S RANGE 25E COUNTY Grand

DRILLING CONTRACTOR Veco Drilling Company

RIG # 2

SPUDDED: DATE 1-10-83

TIME 7:30 PM

HOW Rotary

DRILLING WILL COMMENCE \_\_\_\_\_

REPORTED BY Grace Brown

TELEPHONE # 406-259-2451

DATE 1-30-83 SIGNED SB

NOTICE OF SPUD

Company: Beartooth O & G.

Caller: Grace Brown

Phone: \_\_\_\_\_

Well Number: 3-8

Location: SENE 3-17S-25E

County: Grand State: Utah

Lease Number: U-04030

Lease Expiration Date: \_\_\_\_\_

Unit Name (If Applicable): Winter Camp Unit

Date & Time Spudded: 1-10-83 7:30 P.M.

Dry Hole Spudder (Rotary): \_\_\_\_\_

Details of Spud (Hole, Casing, Cement, etc.) 12 1/4" hole

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Rotary Rig Name & Number: \_\_\_\_\_

Approximate Date Rotary Moves In: \_\_\_\_\_

FOLLOW WITH SUNDRY NOTICE

Call Received By: Ke

Date: 1-13-83

**RECEIVED**

JAN 14 1983

DIVISION OF  
OIL, GAS & MINING

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: 1985' FNL, 1093' FEL  
AT TOP PROD. INTERVAL: same  
AT TOTAL DEPTH: same

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 <input type="checkbox"/> Report <input type="checkbox"/>	

5. LEASE  
U-04030

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. 3-8

10. FIELD OR WILDCAT NAME  
State Line

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
SE 1/4 NE 1/4 Sec. 3-17S-25E

12. COUNTY OR PARISH  
Grand

13. STATE  
Utah

14. API NO.  
43-019-31019

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
5577' 5587' KB

RECEIVED  
DIVISION OF OIL, GAS & MINING  
JAN 20 1983

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

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 rotary rig at 7:30 PM on 1/10/83. Ran 8 joints of 8-5/8", 24#, casing to 307' KB. Cemented with 150 sacks, Class "G", 3% CaCl<sub>2</sub>. Plug down at 2:00 AM 1/11/82.

Total Depth 4274'.

Ran 106 joints 4 1/2", 10.5# J-55 casing to 4265'. Cemented with 200 sacks RFC. Plug down at 3:15 AM 1/13/83.

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 1/18/83

(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  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R355.5

8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_  
 b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RESVR.  Other \_\_\_\_\_

2. NAME OF OPERATOR  
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 2020' FNL, 1113' FEL  
 At top prod. interval reported below same  
 At total depth same

14. PERMIT NO. 43-019-31019 DATE ISSUED 12/1/82

5. LEASE DESIGNATION AND SERIAL NO.  
U-04030

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. 3-8

10. FIELD AND POOL, OR WILDCAT  
State Line

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
SE $\frac{1}{4}$ NE $\frac{1}{4}$  Sec. 3-17S-25E

12. COUNTY OR PARISH Grand 13. STATE Utah

15. DATE SPUNDED 1/10/83 16. DATE T.D. REACHED 1/16/83 17. DATE COMPL. (Ready to prod.) 2/9/83 18. ELEVATIONS (DF, REB, RT, GR, ETC.)\* 5577' GL, 5587' KB 19. ELEV. CASINGHEAD -

20. TOTAL DEPTH, MD & TVD 4274' 21. PLUG, BACK T.D., MD & TVD 4224' 22. IF MULTIPLE COMPL., HOW MANY\* Commingled 23. INTERVALS DRILLED BY → 24. ROTARY TOOLS 0-TD 25. CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
4016-4028 - Morrison  
3758-70 and 3686-3734' - Dakota 25. WAS DIRECTIONAL SURVEY MADE no

26. TYPE ELECTRIC AND OTHER LOGS RUN DTL GR/CDL/CNL 27. WAS WELL CORDED 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#	307' KB	12-1/4"	150 sacks Class "G"	
4-1/2"	10.5#, J-55	4265' KB	6-1/4"	200 sacks RFC	

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"	4028'	-

31. PERFORATION RECORD (Interval, size and number)  
 4016-4028 - 13 - .31" dia. holes  
 3758-3770 - 13 - .31" dia. holes  
 3686-3734 - 49 - .31" dia. holes

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3758-4028 - 600	gal. 15% MR acid; foam fract
w/20,000# 100	mesh sand, 40,000# 20-40 sand,
1.25 MMscf N <sub>2</sub>	
3686-3734 - 750	gal. 15% MR acid

33.\* PRODUCTION

DATE FIRST PRODUCTION 2/9/83 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) flowing WELL STATUS (Producing or shut-in) shut-in

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
2/9/83	3 hrs	1-1/4"	→		111		
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
61 psi	420 psi	→		2663			

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. Roufson TITLE Petroleum Engineer DATE 2/10/83

\*(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.

**38.**

**GEOLOGIC MARKERS**

NAME	TOP		TRUE VERT. DEPTH
	MEAS. DEPTH		
Dakota Silt	3522'		
Dakota Sand	3602'		
Morrison	3770'		
Salt Wash	4146'		

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

\*REPORT OF WATER ENCOUNTERED DURING DRILLING\*

Well Name & Number Hancock Federal No. 3-8

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 SE 1/4 NE 1/4 Sec. 3 T. 17S R. 25E County Grand

Water Sands

	<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
	From	To	Flow Rate or Head	Fresh or Salty
1.	3820	3838	TSTM	salty
2.				
3.				
4.				
5.				

(Continue of reverse side if necessary)

Formation Tops

	Dakota Silt	3522'
	Dakota Sand	3602'
<u>Remarks</u>	Morrison	3770'
	Salt Wash	4146'

- 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

**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.)

<p>1. <input type="checkbox"/> OIL WELL    <input type="checkbox"/> GAS WELL    <input checked="" type="checkbox"/> OTHER</p> <p>2. NAME OF OPERATOR Beartooth Oil &amp; Gas Company</p> <p>3. ADDRESS OF OPERATOR P. O. Box 2564, Billings, Montana 59103</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2020' FNL, 1113' FEL</p>		<p>5. LEASE DESIGNATION AND SERIAL NO. U-04030</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME Winter Camp</p> <p>8. FARM OR LEASE NAME Federal</p> <p>9. WELL NO. Hancock Federal No. 3-8</p> <p>10. FIELD AND POOL, OR WILDCAT Bar X</p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SE<math>\frac{1}{4}</math>NE<math>\frac{1}{4}</math> Sec. 3-T17S-R25E</p>
<p>14. PERMIT NO. 43-019-31019</p>	<p>15. ELEVATIONS (Show whether DF, RT, OR, etc.) 5577' GL, 5587' KB</p>	<p>12. COUNTY OR PARISH Grand</p> <p>13. STATE Utah</p>

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 checked="" type="checkbox"/>	(Other) _____ <input type="checkbox"/>	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
(Other) <input type="checkbox"/>	Change of Operator <input checked="" type="checkbox"/>		

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 TITLE Drilling Supervisor DATE 5/22/84  
Robert D. Ballantyne  
 (This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
 CONDITIONS OF APPROVAL, IF ANY:

E - HANCOCK FED 3-8

071015



**BEARTOOTH OIL & GAS COMPANY**

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

**RECEIVED**  
JUL 07 1986

**DIVISION OF  
OIL, GAS & MINING**

June 25, 1986

Utah Natural Resources  
Oil, Gas & Mining Division  
3 Triad Center Suite 350  
Salt lake City, UT 84180-1203

Gentlemen:

Attached please find a producing entity action form for entity 04676, Hancock Federal 3-8 well. Effective with April 1986 sales, Beartooth Oil will be responsible for the entire division order interest payable to the state of Utah, .041647. Previously this interest was reported in part by Beartooth Oil and Burton Hancock's office.

Since April 1986 Monthly Oil and Gas Royalty report has already been submitted, this report would normally require amending. Inasmuch as the Hancock Federal 3-8 had zero sales for that month, we ask that the state of Utah waive the amendment.

Please contact this office if additional information is required.

Very truly yours,

Beartooth Oil & Gas Company  
Utah Account no. N1790

*Gail A. Lambrecht*  
Gail A. Lambrecht  
Treasurer

CC: STATE LANDS  
OTS  
7-9-86

Approved by:

*Sharon McCray*

Burton W. Hancock/Sharon McCray  
Utah account no N0460

17-25 E Sec 3  
43-019-31019

*E - Hancock Fed 3-8*

071015



**BEARTOOTH OIL & GAS COMPANY**

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

**RECEIVED**  
JUL 07 1986

**DIVISION OF  
OIL, GAS & MINING**

*Please place in  
well file.*

*No other action  
required by Doom.*

*Claudia,  
see attached*

*17s 25E Sec 3*

Utah Natural Resources  
Oil, Gas & Mining Division  
3 Triad Center Suite 350  
Salt lake City, UT 84180-1203

Gentlemen:

Attached please find a producing entity action form for entity 04676, Hancock Federal 3-8 well. Effective with April 1986 sales, Beartooth Oil will be responsible for the entire division order interest payable to the state of Utah, .041647. Previously this interest was reported in part by Beartooth Oil and Burton Hancock's office.

Since April 1986 Monthly Oil and Gas Royalty report has already been submitted, this report would normally require amending. Inasmuch as the Hancock Federal 3-8 had zero sales for that month, we ask that the state of Utah waive the amendment.

Please contact this office if additional information is required.

Very truly yours,

Beartooth Oil & Gas Company  
Utah Account no. N1790

*Gail A. Lambrecht*  
Gail A. Lambrecht  
Treasurer

*CC: STATE LANDS  
OTS  
7-9-86*

Approved by:

*Sharon McCray*

Burton W. Hancock/Sharon McCray  
Utah account no N0460

*17s 25E Sec 3  
43-019-31019*

(November 1983)  
(Formerly 9-331)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE  
(Other instructions on reverse side)

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.)

5. LEASE DESIGNATION AND SERIAL NO.

U-04030

PEW/DR-MK

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

030207

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

FEDERAL

9. WELL NO.

NO. 3-8

10. FIELD AND POOL, OR WILDCAT

BAR-X

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

SE 1/4 NE 1/4 Sec. 8: T17S-R25E

12. COUNTY OR PARISH

GRAND

13. STATE

UTAH

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

14. PERMIT NO.  
43-019-31019

15. ELEVATIONS (Show whether DF, RT, OR, etc.)  
5577' GL, 5587' KB

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) REPORT TO CHANGE OF ADDRESS

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.)\*

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*  
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.

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>UTU-04030</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: <b>Burton W. Hancock, c/o James G. Routson</b>		8. WELL NAME and NUMBER: <b>Federal No. 3-8</b>
3. ADDRESS OF OPERATOR: P. O. Box 80965 CITY <b>Billings</b> STATE <b>MT</b> ZIP <b>59108</b>		9. API NUMBER: <b>43-019-31019</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>2020 1113</b> <b>1985' FNL, 1093' FEL</b>		10. FIELD AND POOL, OR WLD/CAT: <b>Bar-X</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>SENE <sup>3</sup>/<sub>8</sub> 17S 25E S</b>		COUNTY: <b>Grand</b> STATE: <b>UTAH</b>

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: <b>12-13-06/JP</b>	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <b>Perforate lower Dakota zone</b>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

**Please be advised that the lower Dakota zone of the Federal #3-8 well was perforated 1 SPF @ 3804' - 3816'. 13 total shots with 3-1/8" 25 gram 0.46" EHD gun.**

NAME (PLEASE PRINT) <u>James G. Routson</u>	TITLE <u>Consulting Petroleum Engineer</u>
SIGNATURE <u><i>James Routson</i></u>	DATE <u>1/5/2007</u>

(This space for State use only)

**RECEIVED**  
**JAN 08 2007**

DIV. OF OIL, GAS & MINING

**BURTON W. HANCOCK**  
**% James G. Routson**  
**Consulting Petroleum Engineer**  
**P. O. Box 80965**  
**Billings, Montana 59108-0965**

December 21, 2006

State of Utah  
Division of Oil, Gas & Mining  
1594 W. Temple, Suite 1210  
P. O. Box 145801  
Salt Lake City, Utah 84114-5801

RE: SUNDRY NOTICE  
FEDERAL NO. 3-8  
SE¼NE¼ SECTION 8: T17S-R24E  
GRAND COUNTY, UTAH

Gentlemen:

Enclosed is one Sundry Notice notifying your office that the lower Dakota zone of the referenced well was perforated.

If you have any questions or need further information please contact Jim Routson, Consulting Petroleum Engineer for Burton W. Hancock at (406) 245-5077.

Sincerely,

LONE MOUNTAIN PRODUCTION COMPANY



Carolyn Farmer  
for James G. Routson

enclosure

cc: Burton W. Hancock

**RECEIVED**  
**JAN 08 2007**

DIV. OF OIL, GAS & MINING