

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG _____ ELECTRIC LOGS _____ FILE WATER SANDS _____ LOCATION INSPECTED **GAS** SUB. REPORT/abd. _____
 * 1-12-84 Location abandoned, well never drilled

DATE FILED **8-19-82**

LAND: FEE & PATENTED _____ STATE LEASE NO. _____ PUBLIC LEASE NO. **U-46730** INDIAN _____

DRILLING APPROVED: **8-27-82**

SPOUDED IN: _____

COMPLETED: _____ PUT TO PRODUCING: _____

INITIAL PRODUCTION: _____

GRAVITY A.P.I. _____

GOR: _____

PRODUCING ZONES: _____

TOTAL DEPTH: _____

WELL ELEVATION: _____

DATE ABANDONED: **LA 1-12-84**

FIELD: **WILDCAT 3/86**

UNIT: _____

COUNTY: **UINTAH**

WELL NO. **ENI-HATCH #12-10** API NO. **43-047-31261**

LOCATION **1410** FT. FROM (N)S LINE. **1898** FT. FROM (E) (W) LINE. **NWSE** 1/4 - 1/4 SEC. **12**

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
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13S	25E	12	BEARTOOTH OIL & GAS CO.				
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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-46730	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Beartooth Oil & Gas Company		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Box 2564, Billings, Montana 59103		8. FARM OR LEASE NAME Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface: 1898' FWL, 1410' FSL At proposed prod. zone: same		9. WELL NO. ENI-Hatch 12-10	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 57 miles northwest of Mack, Colorado		10. FIELD AND POOL, OR WILDCAT Columbine Springs WILDCAT	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1898'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NW 1/4 Sec. 12-T13S-R25E	
16. NO. OF ACRES IN LEASE 4549.60		12. COUNTY OR PARISH Utah	
17. NO. OF ACRES ASSIGNED TO THIS WELL 320		13. STATE Utah	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 6525'		19. PROPOSED DEPTH 7537'	
20. ROTARY OR CABLE TOOLS Rotary		21. APPROX. DATE WORK WILL START* October 15, 1982	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6411' GL, 6427' KB		22. APPROX. DATE WORK WILL START* October 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"	9-5/8"	32.3# H-40 STC	200'	150 sacks Class "G"
8-3/4"	7" New	20# K-55 STC	3300'	150 sacks 50-50 Pozmix
6-1/4"	4-1/2" New	11.6# N-80 LTC	7537'	175 sacks RFC

1. Surface formation is the Mesaverde.
2. Anticipated geologic markers are: Mancos 2672', Castlegate 3009', Frontier 6649', Dakota 6927', Morrison 7077'.
3. Gas is anticipated in the Dakota, Morrison and in the Mancos. No oil or other minerals are anticipated. Possible water sands are expected in the Mesaverde.
4. Proposed casing program: See Item No. 23 above.
5. Pressure control equipment: See attached well control plan and schematic of drilling contractor's BOP stack. BOP's will be tested before drilling out from under surface and intermediate casing and checked daily.
6. Air or mist drilling will be used to drill the surface hole unless water is encountered. If water is encountered, chemical-gel type mud will be used. The well will be air drilled from under surface casing to total depth.
7. Auxiliary equipment: See well control plan.
(continued on back page)

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED James G. Routson TITLE Petroleum Engineer DATE 8/19/82
 (This space for Federal or State office use)

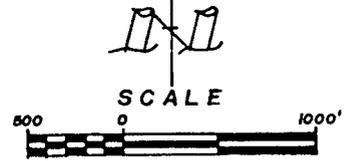
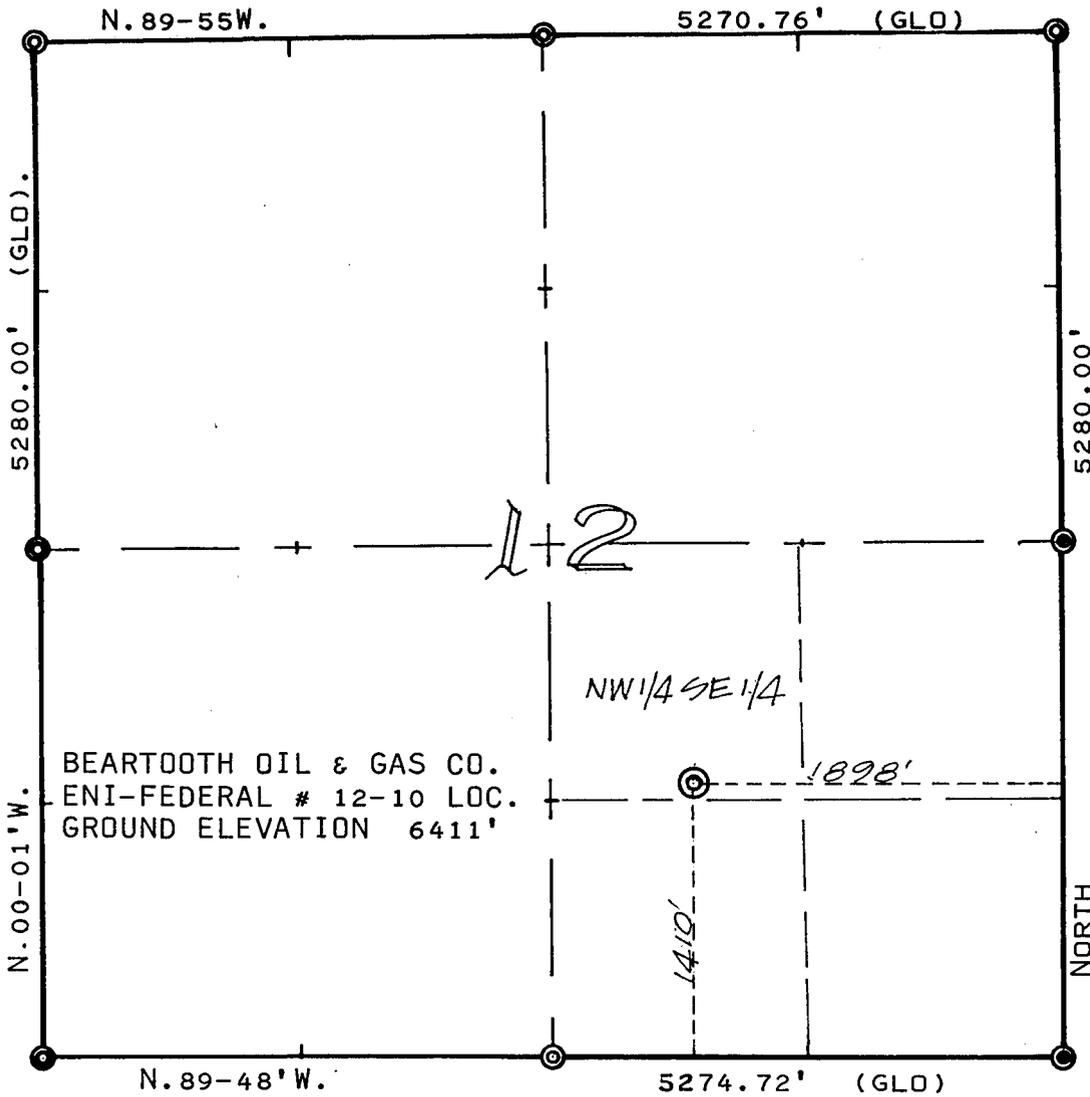
PERMIT NO. _____ APPROVAL DATE _____
 APPROVED BY _____ TITLE _____

**APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING**
 DATE: 8-27-82
 BY: [Signature]

CONDITIONS OF APPROVAL, IF ANY:

SEC. 12, T. 13S., R. 25E. OF THE S.L.M.

PLAT # 1
LOCATION PLAT



LEGEND

- ⊙ STANDARD LOCATION OF GLO CORNERS.
- GLO CORNERS FOUND.
- ⊗ WELL LOCATION STAKED.

REFERENCE DOCUMENTS

1923 GLO PLAT
DAVIS CANYON, UTAH
QUADRANGLE, USGS

THIS WELL LOCATION PLAT WAS PREPARED FOR BEARTOOTH OIL & GAS CO.
 AS REQUESTED BY KEN CURREY, TO LOCATE THE
ENI-FEDERAL # 12-10, 1410' F.S.L. & 1898' F.E.L.,
 IN THE NW 1/4 SE 1/4, OF SECTION 12, T.13S., R.25E. OF THE S.L.M.
UINTAH 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. 4198

SURVEYED	7-27-82	ENERGY SURVEYS & ENGINEERING CORP. 1156 BOOKCLIFF AVE. NO 4 GRAND JUNCTION, CO. 81501 303 245-7221	SCALE 1"=1000
DRAWN	8-2-82		JOB NO.
CHECKED	8-2-82		SHEET OF

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

ENI-Hatch Federal #12-10
NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 12, 13S-25E
Uintah 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 wellsite is reached by going 12 miles north of Baxter Pass down the Evacuation Creek road to Davis Canyon, then turn left and go southwesterly 2.2 miles up Davis Canyon to the beginning of the 0.9 miles of new road.
- C. Access road(s) to location color-coded or labeled: See Map #1. The existing road is colored green; the new road 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.
- F. Plans for improvement and/or maintenance of existing roads: Beartooth Oil & Gas Company will do maintenance blading on the existing Davis Canyon road. Beartooth has a BLM access road R/W on the Colorado portion of the Davis Canyon road.

2. Planned Access Roads See Map #1

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

- (1) Width & Disturbance: The 0.9 mile of new construction is an up grading of an existing 2-track road. The new road will have an 18' running surface and a total disturbed width of 30 feet.
- (2) Maximum grades: Maximum grade will be 8% at the low water drainage crossing of Davis Canyon.
- (3) Turnouts: Turnouts will be constructed so that they are intervisible.
- (4) Drainage design: Natural drainage; road will follow contour of the land.
- (5) Location and size of culverts and brief description of any major cuts and fills: No culverts are planned. The existing "low water" crossing of the Davis Canyon waterway will be reconstructed.
- (6) Surfacing material: Native material only; no material will be brought in.
- (7) Necessary gates, cattleguards, or fence cuts: No cattleguards are planned.
- (8) New or reconstructed roads are to be center-line flagged at time of location staking: The road is flagged where it deviates from the existing two-track road.

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: One
- (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: _____
- (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 facilities will be 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: Water for this well will be obtained from the existing water well in Section 11-T4S-R104W
- _____
- _____
- 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 NTL-2b, and the rules and regulations of the State of Utah.
- _____
- _____

7. Methods for Handling Waste Disposal (Continued)

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

8. Ancillary Facilities

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

9. Wellsite Layout

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

- (1) Cross sections of drill pad with cuts and fills: See Plat No. -2-A
The maximum cut on the well pad is 8.8 feet.
- (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 will be stripped and stockpiled on both the north and south ends 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 on the valley floor of Davis Canyon. The soils are deep but poorly defined. The vegetation is sagebrush, grease wood and mixed grasses. Mule deer, rabbits and lizards inhabit the area.
- (2) Other surface use activities and surface ownership of all involved lands: The major surface use is oil and gas development. Some livestock grazing takes place in early spring. All lands involved are Public Lands.
- (3) Proximity of water, occupied dwellings, archeological, historical or cultural sites: The nearest live stream is Evacuation Creek, 3 miles northeast of the wellsite. The nearest occupied dwelling is the Gentry Ranch, near Baxter Pass.
A cultural resource survey of the road and location has been made and the reports are on file with the BLM in Meeker and Vernal.

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.

8/19/82
Date

Kenneth A. Currey

WELL CONTROL PLAN

1. Surface Casing: 9-5/8" O.D., 32.3 #/ft., Grade H-40, Short T&C, set at 200' or deeper, cemented with pump and plug method back to the surface or bottom of cellar.
2. Casinghead Flange: 9-5/8" x 10 - 900 series casinghead with two 2" 2000 psi L.P. outlets.
3. Intermediate Casing: 7", 20#, K-55, set at 3300' and cemented with 150 sacks. The intermediate spool will be 10" - 900 x 10" - 900 series with two 2" 2000 psi L.P. outlets.
4. Blowout Preventor: A 10" 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. A new rubber will be installed prior to drilling through the Dakota. BOP's will be worked daily. Blind rams will be checked during trips. BOP's will be tested to 1500 psi prior to drilling shoe joint on surface casing and intermediate 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 2100 psi at 7500' or a gradient of .28 psi/ft or less. No abnormal temperatures or hydrogen sulfide gas are anticipated.

BEARTOOTH OIL & GAS COMPANY

By:

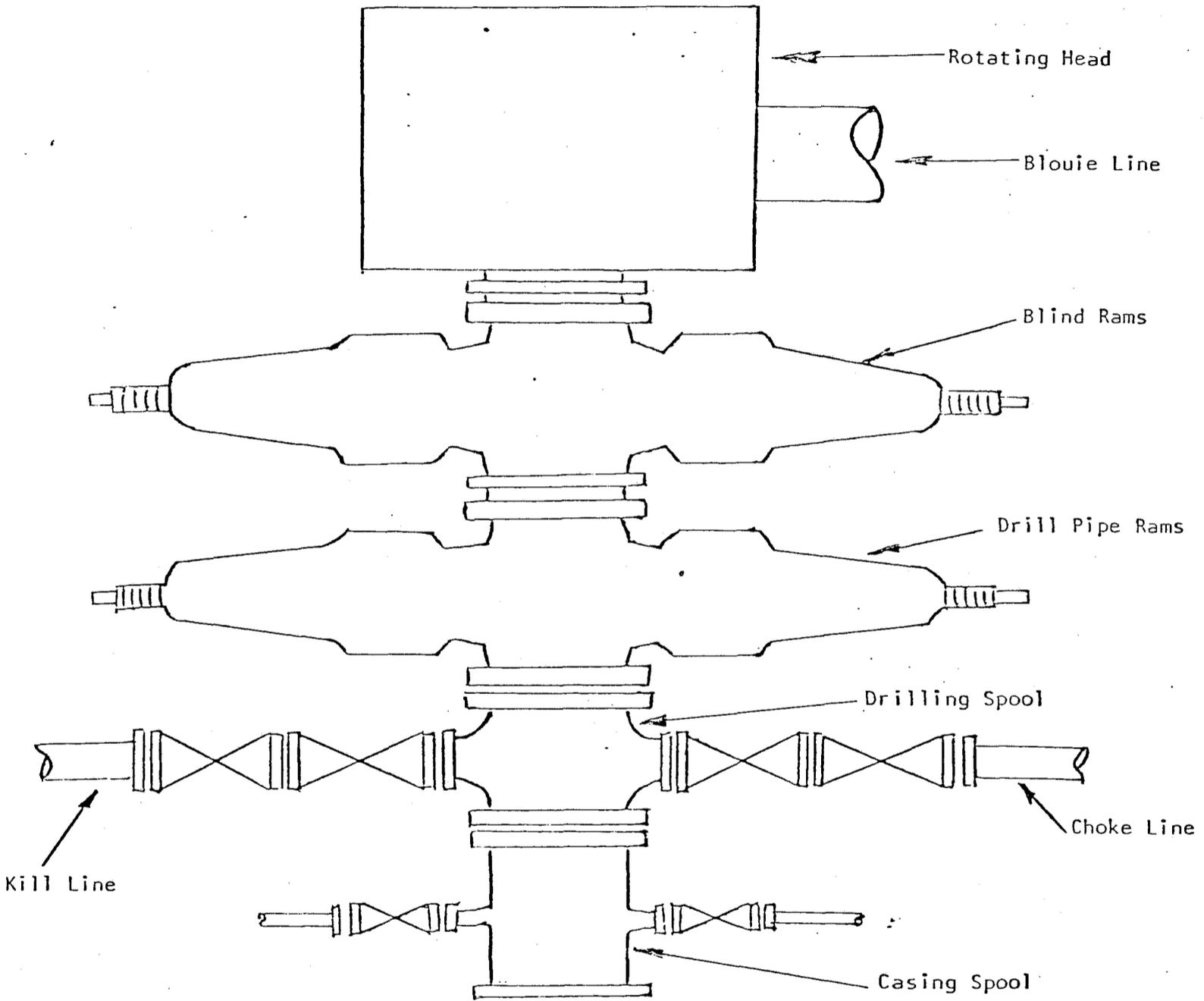
James G. Routson

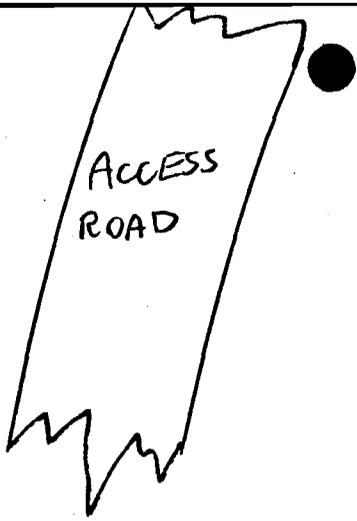
James G. Routson, Petroleum Engineer

SCHEMATIC OF BOP STACK

Air drilled wells using 900 series wellhead equipment.

Interval from 200' to total depth.

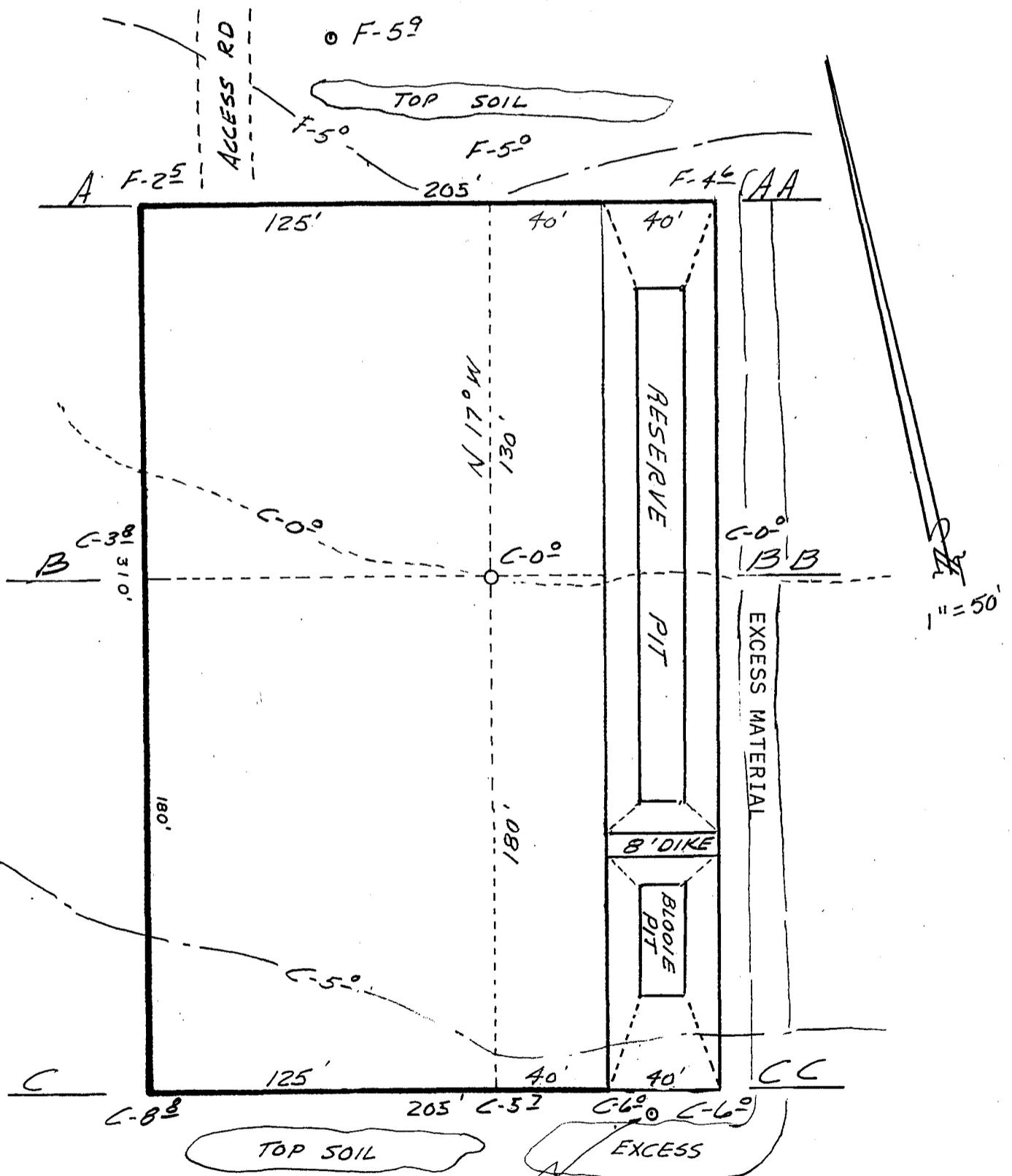




200' REF. PT. NORTH
REBAR WITH CAP
& 5' STEEL POST

PLAT # 2
PIT & PAD LAYOUT
ENI-FED. # 12-10

o F-59



ESTIMATED QUANTITIES

CUT	8900 C.Y.
FILL	1500 C.Y.
TOPSOIL	2400 C.Y.
EXCESS	5000 C.Y.

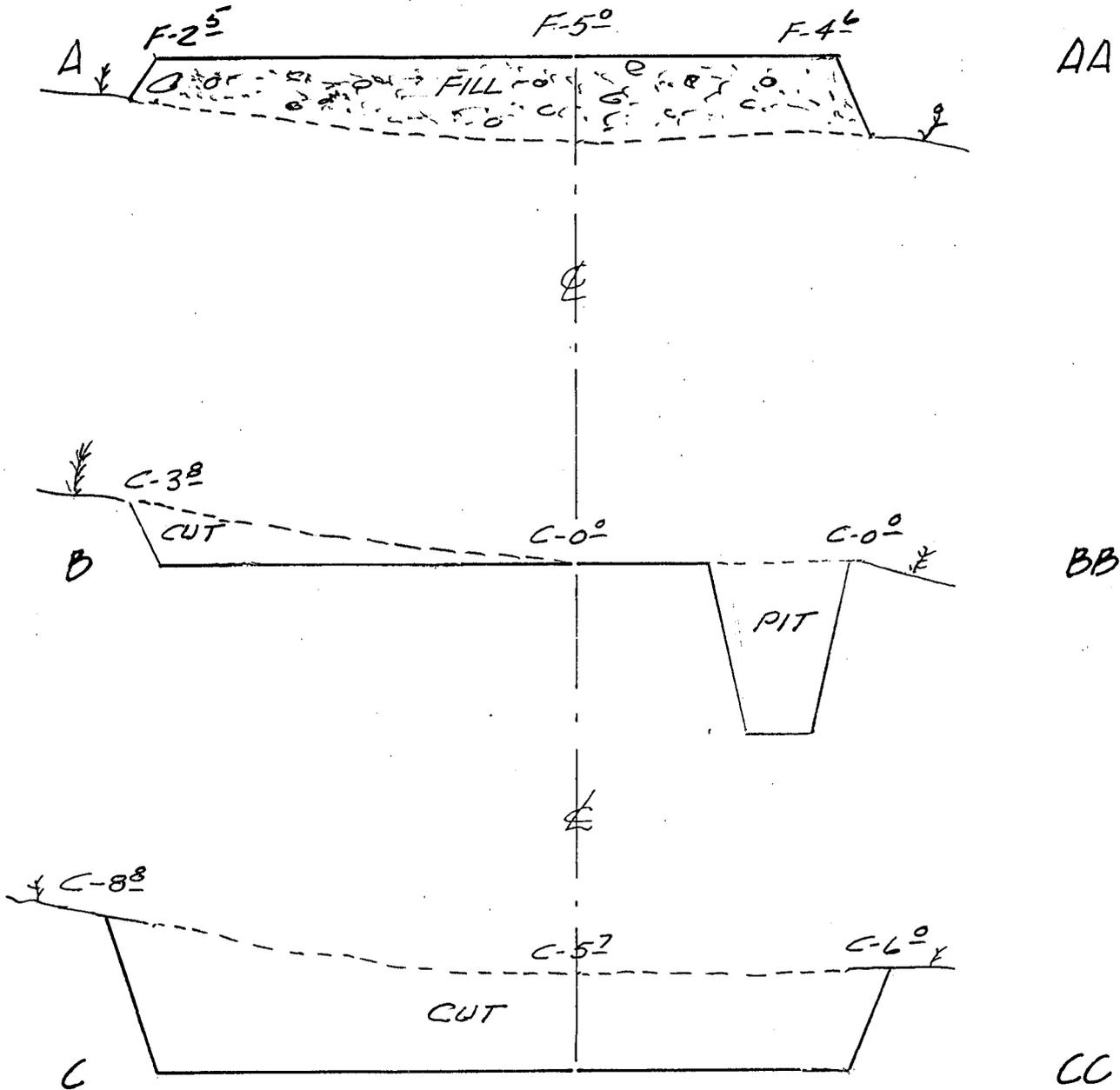
200' REF. PT. SOUTH
REBAR WITH CAP
& 5' STEEL POST

BEARTOOTH OIL & GAS CO.
ENI-FED. # 12-10 LOC.
UINTAH COUNTY, UTAH

PLAT # 24

CROSS-SECTIONS

BEARTOOTH OIL & GAS CO.
ENI - FEDERAL # 12-10
CROSS-SECTIONS OF PAD



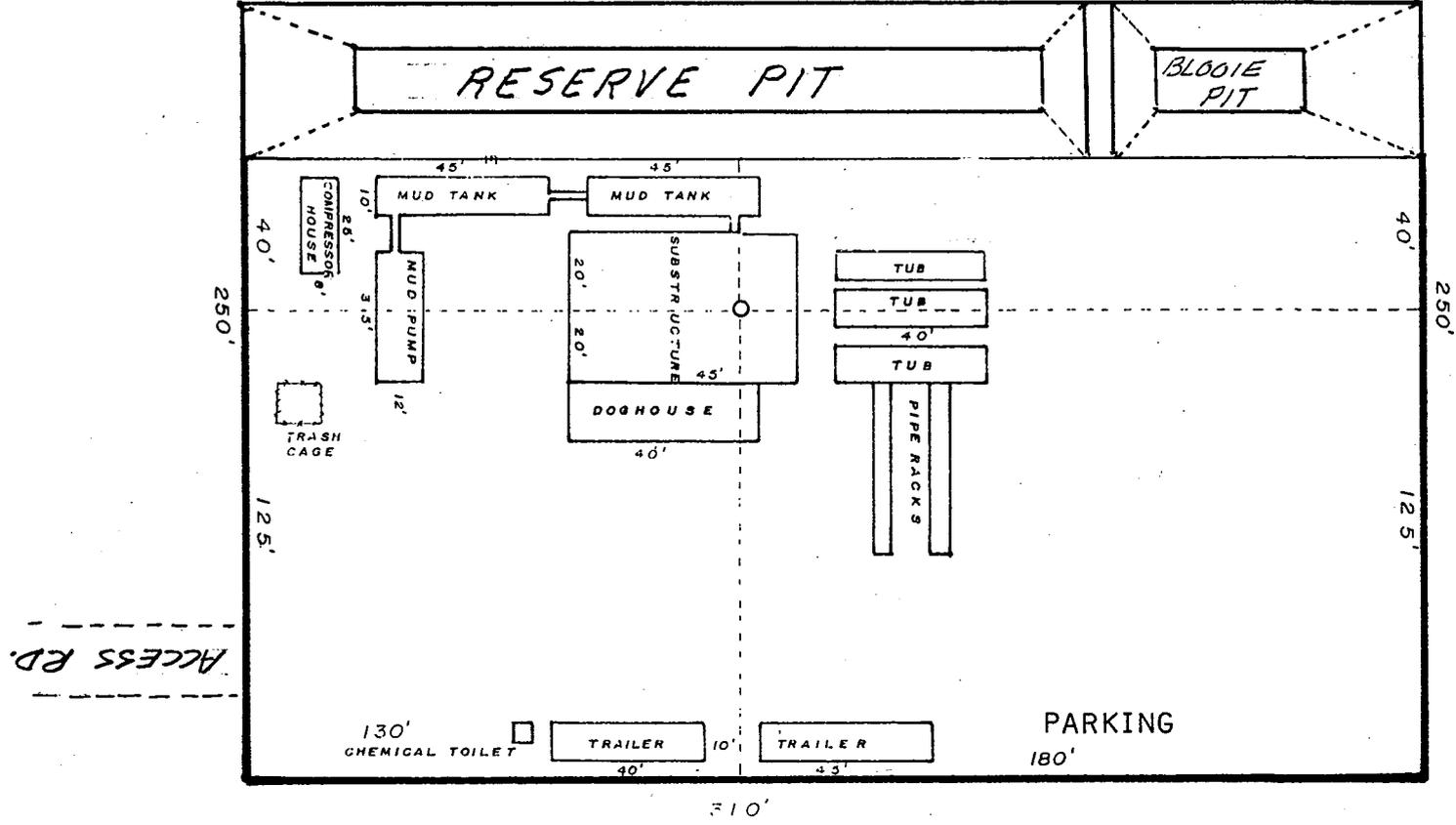
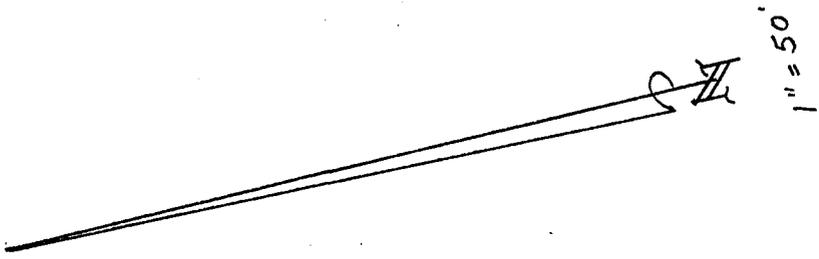
BEARTOOTH OIL & GAS CO.
ENI - FEDERAL # 12-10
UINTAH COUNTY, UTAH

CROSS-SECTIONS

PREPARED BY ENERGY SURVEYS & ENG'R. CORP.

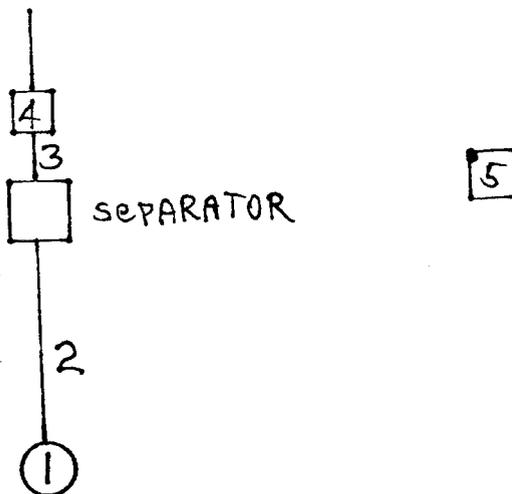
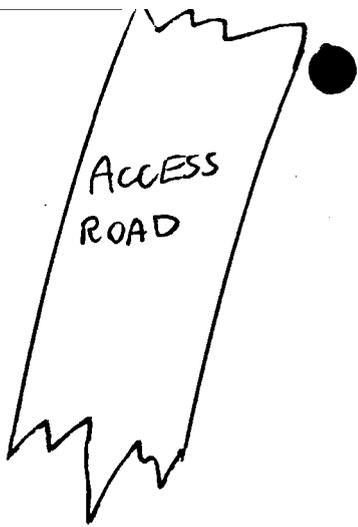


PLAT # 3
 RIG LAYOUT
 ENI- FED. # 12-10



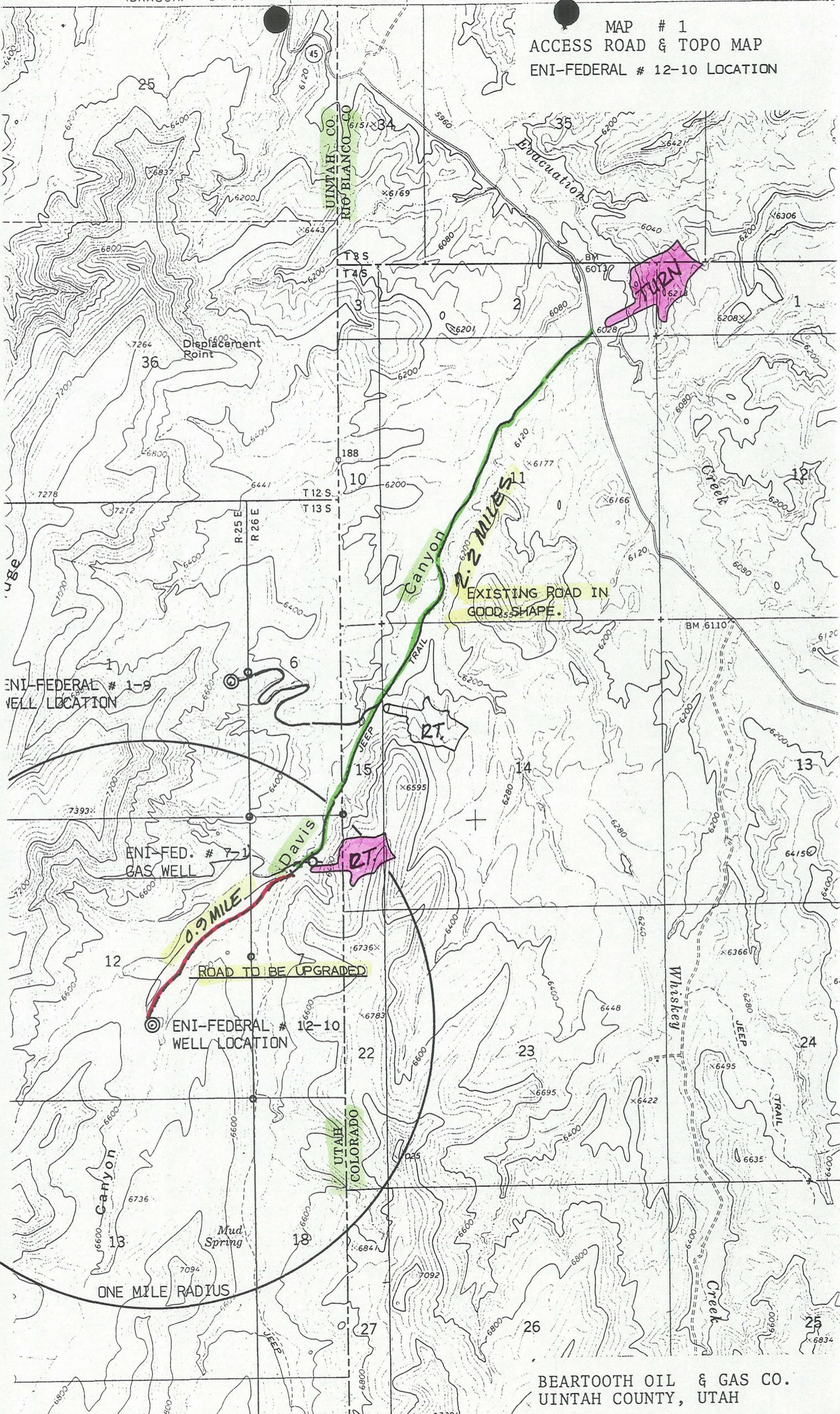
BEARTOOTH OIL & GAS CO.
 ENI- FEDERAL # 12-10
 UINTAH COUNTY, UTAH

PREPARED BY
 ENERGY SURVEYS & ENG'R. CORP.



1. Wellhead will be a 6" - 900 series flanged top. Tubing head will be 10" - 900 x 6" - 3000 psi with two 2" 3000 psi flanged valves. Tree will be 2" screwed x 3000 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.

MAP # 1
ACCESS ROAD & TOPO MAP
ENI-FEDERAL # 12-10 LOCATION



ENI-FEDERAL # 1-9
WELL LOCATION

ENI-FED. # 7-1
GAS WELL

ENI-FEDERAL # 12-10
WELL LOCATION

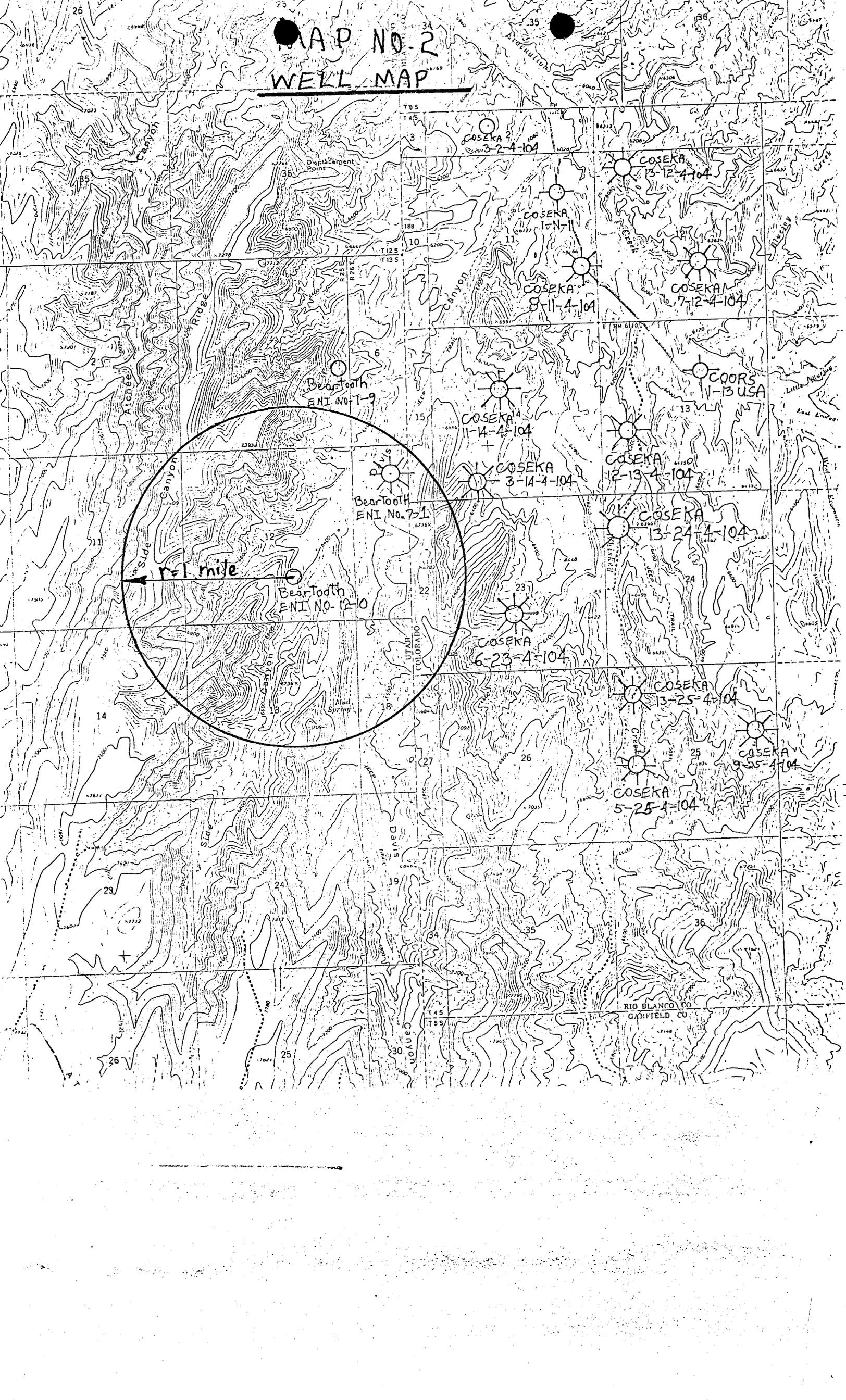
ONE MILE RADIUS

EXISTING ROAD IN
GOOD SHAPE.

ROAD TO BE UPGRADED

BEARTOOTH OIL & GAS CO.
UINTAH COUNTY, UTAH

MAP NO. 2 WELL MAP



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

5. LEASE DESIGNATION AND SERIAL NO.
U-46730

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
FWS 271302

7. UNIT AGREEMENT NAME
JACET LAKE CITY, UTAH

8. FARM OR LEASE NAME
Federal

9. WELL NO.
ENI-Hatch 12-10

10. FIELD AND POOL, OR WILDCAT
Columbine Springs

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA
NW1/4SE1/4 Sec. 12-T13S-R25E

12. COUNTY OR PARISH
Uintah

13. STATE
Utah

22. APPROX. DATE WORK WILL START*
October 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

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 1898' ~~EM~~, 1410' FSL
At proposed prod. zone ~~FEL~~ same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
57 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)
1898'

16. NO. OF ACRES IN LEASE
4549.60

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.
6525'

19. PROPOSED DEPTH
7537'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
6411' GL, 6427' KB

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	32.3# H-40 STC	200'	150 sacks Class "G"
8-3/4"	7" New	20# K-55 STC	3300'	150 sacks 50-50 Pozmix
6-1/4"	4-1/2" New	11.6# N-80 LTC	7537'	175 sacks RFC

- Surface formation is the Mesaverde.
- Anticipated geologic markers are: Mancos 2672', Castlegate 3009', Frontier 6649', Dakota 6927', Morrison 7077'.
- Gas is anticipated in the Dakota, Morrison and in the Mancos. No oil or other minerals are anticipated. Possible water sands are expected in the Mesaverde.
- 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 and intermediate 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 8/19/82
James G. Routson
(This space for Federal or State office use)

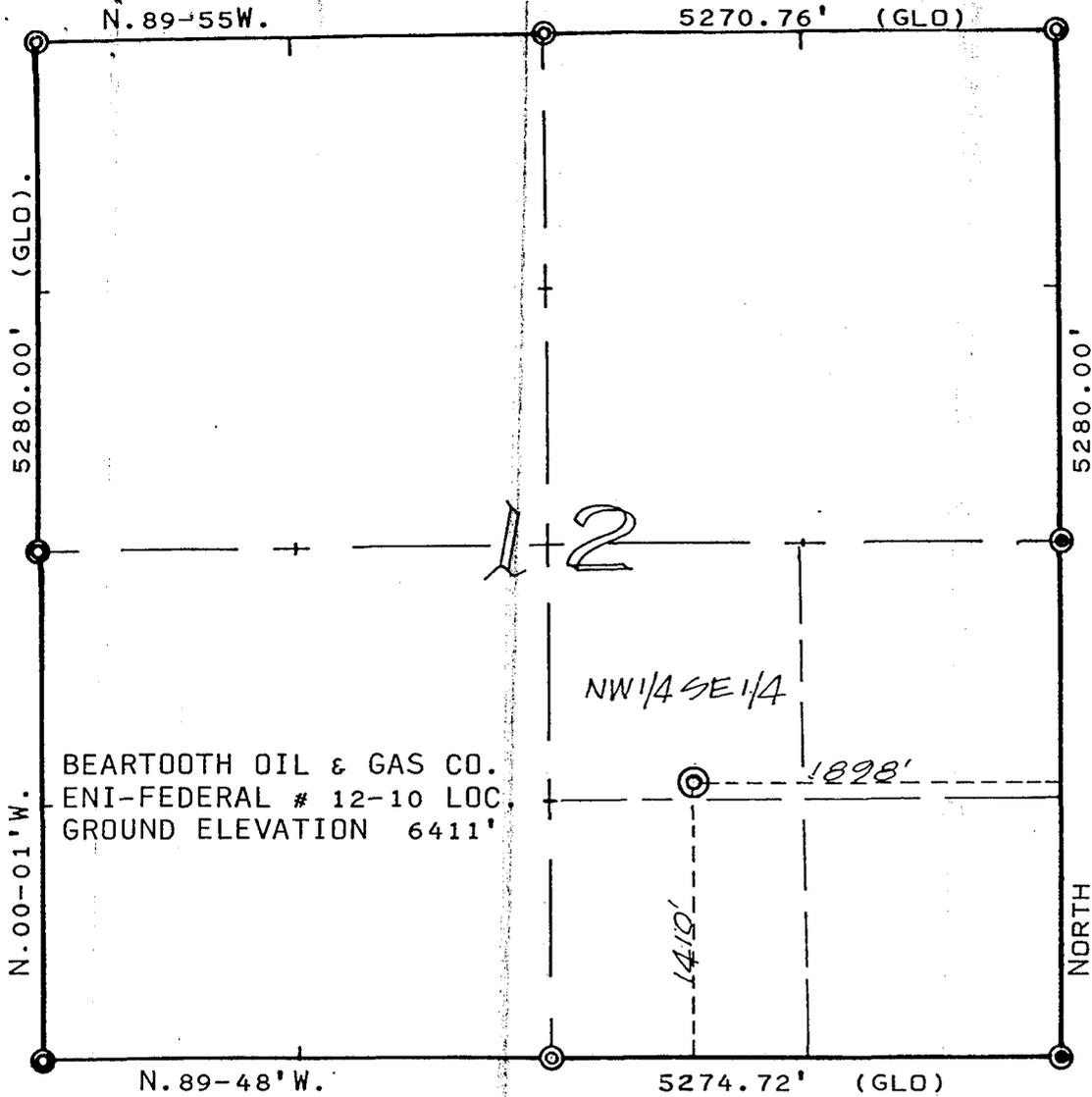
PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY WT Martin for E. W. Guynn DATE SEP 27 1982
TITLE District Oil & Gas Supervisor

CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

S. Tate O & G

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



- SCALE
- LEGEND
- ⊙ STANDARD LOCATION OF GLO CORNERS.
 - GLO CORNERS FOUND.
 - ⊙ WELL LOCATION STAKED.
- REFERENCE DOCUMENTS
- 1923 GLO PLAT
 - DAVIS CANYON, UTAH QUADRANGLE, USGS

THIS WELL LOCATION PLAT WAS PREPARED FOR BEARTOOTH OIL & GAS CO.
 AS REQUESTED BY KEN CURREY, TO LOCATE THE
ENI-FEDERAL # 12-10, 1410' F.S.L. & 1898' F.E.L.,
 IN THE NW 1/4 SE 1/4, OF SECTION 12, T.13S., R.25E. OF THE S.L.M.
UINTAH 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. 4198

SURVEYED	7-27-82
DRAWN	8-2-82
	8-2-82

ENERGY SURVEYS & ENGINEERING CORP.

1156 BOOKCLIFF AVE. NO 4
 GRAND JUNCTION, CO. 81501
 903 248-7221

SCALE	1" = 1000
JOB NO.	
SHEET	OF

Beartooth Oil & Gas Company
Well No. 12-10
Section 12, T.13S., R.25E.
Uintah County, Utah
Lease U-46730

Supplemental Stipulations

- 1) Traveling off access road rights-of-way will not be allowed. The maximum width of access pads (both existing and planned) will be 30 feet total disturbed area. Roads will be crowned and properly maintained. Turn-outs will not be required. Bar ditches will be installed where necessary.
- 2) Burn pits will not be constructed. There will be no burning or burying of trash or garbage at the well site. Refuse must be contained in trash cages and hauled to an approved disposal site.
- 3) A wire mesh or net type of fence, topped with at least one strand of barbed wire, will be used around the reserve pits.
- 4) The BLM will be contacted at least 24 hours prior to any rehabilitation activities. The operator may be informed of any additional needed seeding requirements.
- 5) Live trees that must be removed may be pushed over and stockpiled separately from the topsoil. Large pieces of dead wood should also be stockpiled from the topsoil.
- 6) Trees and brush will be pushed off the road and pad prior to any mineral soil being bladed.
- 7) The top 2 to 4 inches of topsoil will be stockpiled as addressed in the applicant's APD.
- 8) Adequate and sufficient electric/radioactive logs will be run to locate and identify anticipated coal beds in the Mesaverde. Please also provide two copies of drilling logs. Casing and cementing programs will be adjusted to eliminate any potential influence of the well bore or productive hydrocarbon zones on the coal resource. Surface casing program may require adjustment for protection of fresh water aquifers.

All permanent (onsite for six (6) months duration or longer) structures constructed or installed, including the pumpjack and covering over tank insulation, shall be painted a flat, non-reflective, earth tone color to match Tnemec 23-08351 Mesa Brown Enduratone or an approved equal. All facilities shall be painted within six (6) months of when the production facilities are put in place. Facilities that are required to comply with O.S.H.A. (Occupational Safety and Health Act) standards are excluded.

U.S. GEOLOGICAL SURVEY - CONSERVATION DIVISION

MINERAL MANAGEMENT
SERVICE
GAS OPERATIONS
RECEIVED
SEP 3 1982
SALT LAKE CITY, UTAH

FROM: STAFF GEOLOGIST, OIL & GAS, UNIT AGREEMENT SECTION, LAKEWOOD, CO

TO: DISTRICT ENGINEER, OIL & GAS, SALT LAKE CITY, UT

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. U-46730

OPERATOR: BEAR TOOTH OIL & GAS Co.

WELL NO. ENT-HATCH 12-10

LOCATION: 1898' FEL & 1410' FSL NW 1/4 SE 1/4 sec. 12, T. 13S, R. 25E, S. 4. M
UINTAH County, UTAH.

Gr. EL. 6411'

1. Stratigraphy: The surface rocks are Wasatch or Lower Green River and not Mesaverde as stated by the operator. The estimated tops by the operator appear reasonable.
2. Fresh Water:
Fresh water could occur in the sands of the Green River and Wasatch Formations and the Mesaverde to a depth of possibly 2,800 feet.
3. Leasable Minerals:
The well site location falls within an area considered valuable prospectively for Mesaverde coals. The top of the Mesaverde should occur at about 1,700± feet.
4. Potential Geologic Hazards:
None anticipated by the operator.
5. Additional logs Needed:
Sonic and density logs through the Mesaverde to delineate possible coals.
6. References and Remarks:
* Protect all fresh water aquifers penetrated.
U.S.G.S. Professional Paper 548.

Signature: Ronald E Gunnerson

Date: 8/31/82

** FILE NOTATIONS **

DATE: 8-25-82

OPERATOR: BEARTOOTH OIL & GAS CO

WELL NO: FED ENI-HATCH 12-10

Location: Sec. NWSE 12 T. 135 R. 25 E County: WINTAH

File Prepared:

Entered on N.I.D:

Card Indexed:

Completion Sheet:

API Number 43-047-31261

CHECKED BY:

Petroleum Engineer: _____

Director: _____

Administrative Aide: 1/4 1/4 PROXIMITY TOO CLOSE FOR C-3

APPROVAL LETTER:

Bond Required:

Survey Plat Required:

Order No. _____

O.K. Rule C-3

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

Lease Designation Sub.

Plotted on Map

Approval Letter Written

Hot Line

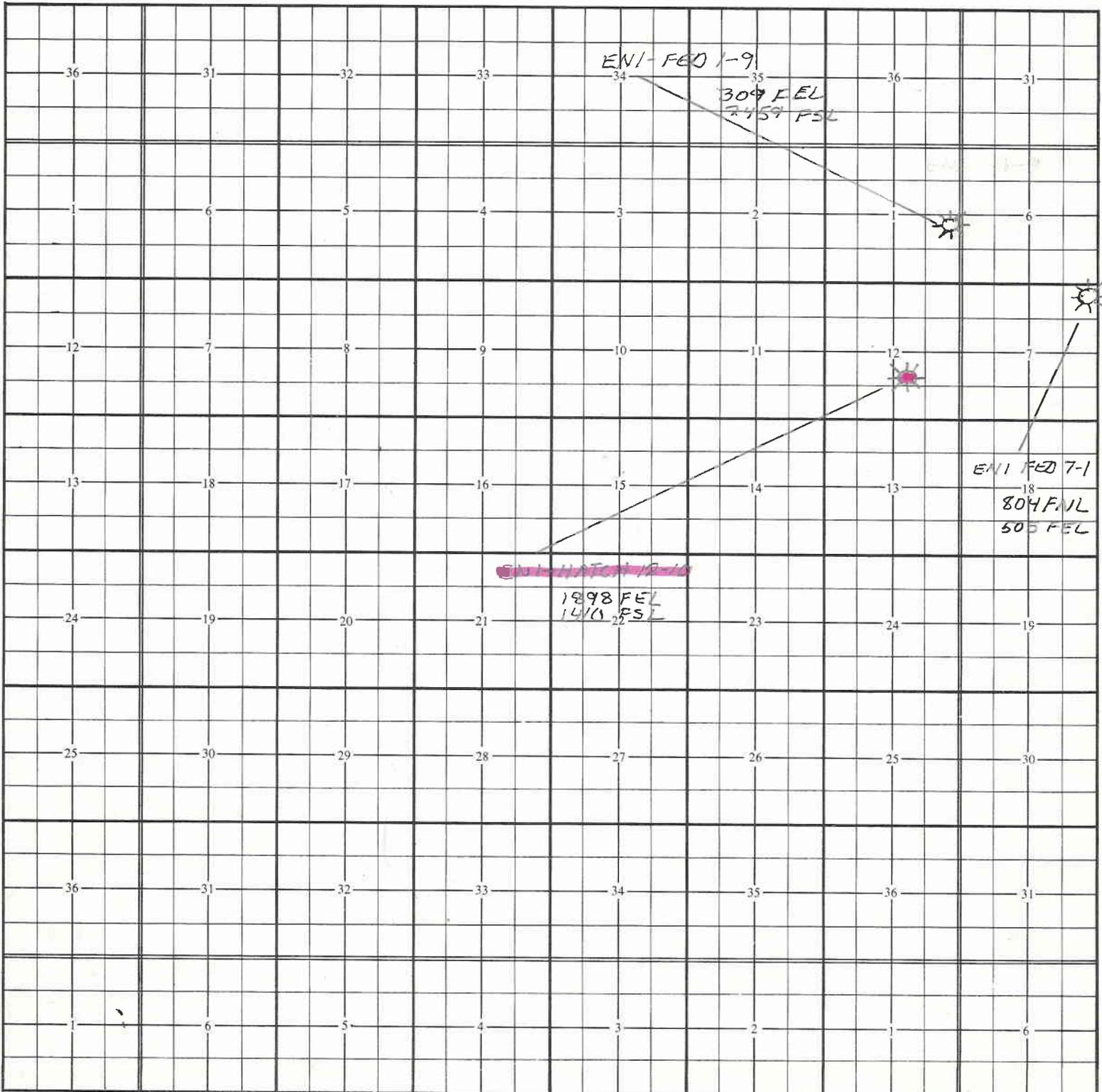
P.I.

Moore

TOWNSHIP PLAT

Owner BEARTOOTH Date 8-24-82

Township 13 S Range 25 E County UINTAH



August 27, 1982

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

RE: Well No. ENI-Hatch 12-10 Federal
NWSE Sec 12, T. 13S, R. 25E
Uintah County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to gas well on said unorthodox location is hereby granted in accordance with Rule C-3(c), 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

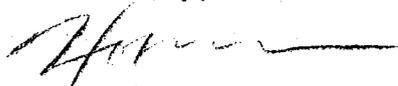
CLEON B. FEIGHT - Director
Office: 533-5771
Home: 466-4455

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 43-047-31261.

Sincerely,



Norman C. Stout
Administrative Assistant

NCS/as
cc: Minerals Management Service
Enclosure

BEARTOOTH OIL & GAS COMPANY

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

August 25, 1982

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

Attention: Mr. Norm Stout
(Holding File)

Re: Federal ENI-Hatch #12-10
NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 12-13S-25E
Uintah County, Utah

Gentlemen:

We hereby request Rule C3(c) be applied as exception to spacing regulations as it pertains to proximity to the quarter/quarter lines due to topographic reasons.

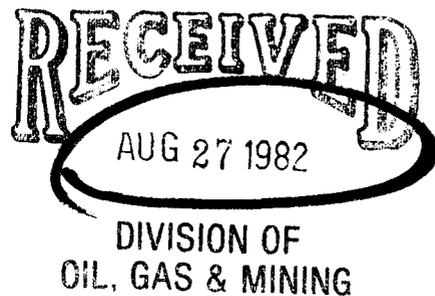
Beartooth and its partners control all leases with a 660' radius of the location.

Yours very truly,

BEARTOOTH OIL & GAS COMPANY

James G. Routson
James G. Routson
Petroleum Engineer

JGR/gb





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

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

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

March 21, 1983

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

Re: Well No. ENI-Hatch Federal # 1-9
Sec. 1, T. 13S, R. 25E.
Uintah County, Utah

Well No. ENI-Hatch Federal # 12-10
Sec. 12, T. 13S, R. 25E.
Uintah County, Utah

Well No. Main Cyn Federal # 31-10
Sec. 31, T. 15S, R. 23E.
Uintah County, Utah

Gentlemen:

In reference to the above mentioned wells, considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill these wells, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If you plan to drill these locations at a later date, please notify as such.

We will be happy to acknowledge receipt of your response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self addressed envelope for the return. Such acknowledgement should avoid unnecessary mailing of a firm second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Respectfully,

DIVISION OF OIL, GAS AND MINING

Cari Furse
Well Records Specialist

CF/cf

BEARTOOTH OIL & GAS COMPANY

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

March 23, 1983

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

Re: ENI-Hatch Federal #1-9
ENI-Hatch Federal #12-10
Main Canyon Federal #31-10
Uintah County, Utah

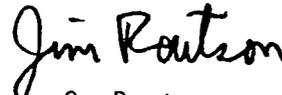
Gentlemen:

In reply to your letter dated March 21, 1983, please be advised that the above three wells were not drilled last year since we were unable to get offset completed wells hooked up and producing, thus delaying a more complete evaluation of the locations.

We hope to drill all three wells this coming summer. If our plans change, we will notify you and abandon the locations via a sundry notice.

Yours very truly,

BEARTOOTH OIL & GAS COMPANY



James G. Routson
Petroleum Engineer

JGR/gb

RECEIVED BY:



4-4-83



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dr. G. A. (Jim) Shirazi, Division Director

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

September 13, 1983

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

Re: Well No. ENI-Hatch # 1-9
2459' FSL, 309' FEL
NE SE, Sec. 1, T. 13S, R. 25E.
Uintah County, Utah

Well No. ENI-Hatch # 12-10
1410' FSL, 1898' FEL
NW SE, Sec. 12, T. 13S, R. 25E.
Uintah County, Utah

Well No. Main Canyon Fed. # 31-10
1800' FSL, 2300' FEL
NW SE, Sec. 31, T. 15S, R. 23E.
Uintah County, Utah

Gentlemen:

In reference to the above mentioned wells, considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill these wells, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If you plan to drill these locations at a later date, please notify as such.

We will be happy to acknowledge receipt of your response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self addressed envelope for the return. Such acknowledgement should avoid unnecessary mailing of a second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Respectfully,

DIVISION OF OIL, GAS AND MINING

Cari Furse
Well Records Specialist

CF/cf

BEARTOOTH OIL & GAS COMPANY

P.O. Box 2564

Billings, Montana 59103

(406) 259-2451

November 7, 1983

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

Re: ENI-Hatch #1-9 - NE $\frac{1}{4}$ SE $\frac{1}{4}$ 1-13S-25E
ENI-Hatch #12-10 - NW $\frac{1}{4}$ SE $\frac{1}{4}$ 12-13S-25E
Main Canyon Fed. #31-10 - 31-15S-23E
Uintah County, Utah

Gentlemen:

Please be advised that the above referenced wells have been temporarily abandoned. We do intend to drill these wells at some later date, but will resubmit applications to drill at that time.

Yours very truly,

BEARTOOTH OIL & GAS COMPANY

James G. Routson

James G. Routson
Petroleum Engineer

JGR/gb

Received by: *Claudia Jones*

Date: *11/14/83*

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 Abandon location

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: 1898' FEL, 1410' FSL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

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

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

LEASE U-46730 ✓

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
ENI-Hatch 12-10 ✓

10. FIELD OR WILDCAT NAME
Columbine Springs

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 12-T13S-R25E

12. COUNTY OR PARISH
Uintah

13. STATE
Utah

14. API NO.
43-047-31261

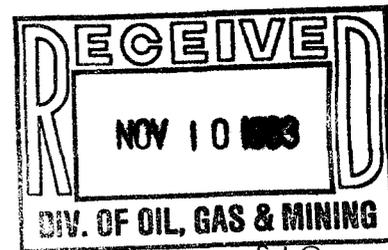
15. ELEVATIONS (SHOW DF, KDB, AND WD)

m
10

(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 above location has been abandoned. No dirt work or location disturbance has occurred.



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 11/8/83
James G. Routson

(This space for Federal or State office use)

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

*See Instructions on Reverse Side



DIVISION OF
OIL, GAS & MINING

3100
(U-922)

January 12, 1984

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

Re: Rescinded Applications for Permit
to Drill

Well No. 12-10
Section 12, T.13S., R.25E.
Lease U-46730

Well No. 1-9
Section 1, T.13S., R.25E.
Lease U-46730

Well No. 31-10
Section 31, T.15S., R.23E.
Lease U-44438
All in Uintah County, Utah

Gentlemen:

The Applications for Permit to Drill the referenced wells were approved September 27, 1982 and November 15, 1982. We are in receipt of your requests to abandon the locations. We are rescinding the approvals of the referenced per your request.

Sincerely,

(ORIG. SGD.) W. P. MARTENS

for
E. W. Guynn
Chief, Branch of Fluid Minerals

bcc: Vernal District Office
State O&G
State BLM
Well File
APD Control

922:WPMartens:kr:01-12-84:X3024