

BEARTOOTH OIL & GAS COMPANY

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

May 10, 1983

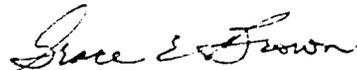
Minerals Management Service
2000 Administration Building
1745 West, 1700 South
Salt Lake City, Utah 84104

Gentlemen:

Enclosed please find our Application to Drill covering the Bryson Canyon Federal Unit No. 14 well in Grand County, Utah for your approval.

Yours very truly,

BEARTOOTH OIL & GAS COMPANY



Grace E. Brown
Drilling Department

gb

Enclosures

cc: Mr. Cody Hansen - BLM
170 South, 500 East
Vernal, Utah

Mr. Paul Brown - BLM
P. O. Drawer M
Moab, Utah 84532

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

Mr. Ken Currey

RECEIVED
MAY 18 1983

DIVISION OF
OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

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

2. NAME OF OPERATOR
 Beartooth Oil & Gas Company

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
 At surface: 1435' FNL, 794' FWL
 At proposed prod. zone: same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 40 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)
 1435'

16. NO. OF ACRES IN LEASE
 1200

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.
 561'

19. PROPOSED DEPTH
 6480'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 7101' GL, 7112' KB

22. APPROX. DATE WORK WILL START*
 June 15, 1983

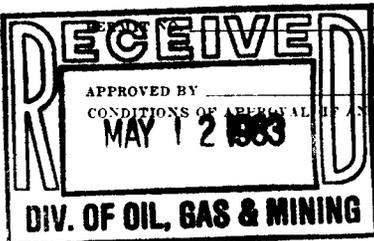
23. PROPOSED CASING AND CEMENTING PROGRAM

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	300'	150 sacks Class "G"
8-3/4"	7" New	20# K-55 STC	2500'	150 sacks 50-50 pozmix
6-1/4"	4-1/2"	11.6# N-80 LTC	6480'	175 sacks RFC

- Surface formation is the Mesaverde.
- Anticipated geologic markers are: Castlegate 2192, Dakota 5862, Morrison 6039, Salt Wash 6364'.
- Gas is anticipated in the Castlegate, Dakota, Morrison and in the Salt Wash. No oil or other minerals are anticipated. Possible water sands are expected in the Mesaverde.
- Proposed casing program: See Item No. 23 above. 7" casing will be run only if water is encountered in the Mesaverde.
- 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
(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.

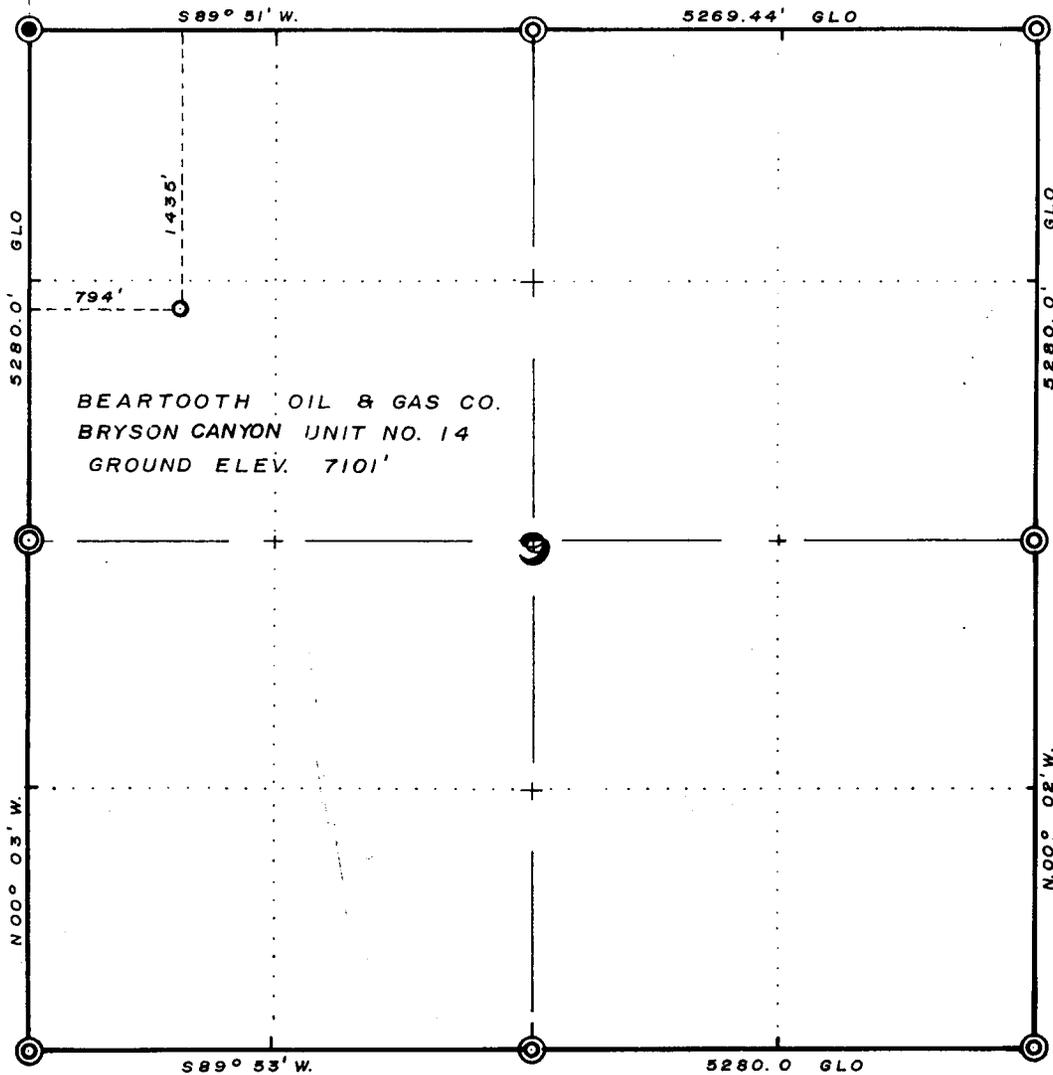
24. SIGNED: James G. Routson TITLE: Petroleum Engineer DATE: 5/10/83
 James G. Routson



APPROVED BY THE STATE
 OF UTAH DIVISION OF
 OIL, GAS, AND MINING
 DATE: 5-25-83
 BY: [Signature]

SEC. 9 , T. 17 S , R. 24 E. OF THE SALT LAKE MERIDIAN

PLAT NO. 1

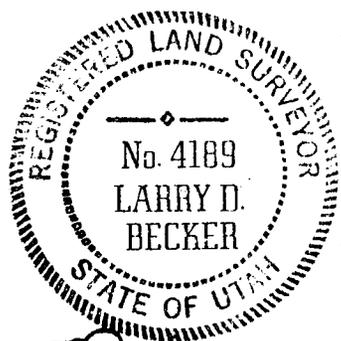


BEARTOOTH OIL & GAS CO.
BRYSON CANYON UNIT NO. 14
GROUND ELEV. 7101'



- LEGEND**
- ⊙ STANDARD LOCATION OF GLO SECTION CORNERS
 - GLO CORNERS FOUND
 - WELL LOCATION STAKED.
- REFERENCE DOCUMENTS**
- 1926 GLO PLAT
 - DRY CANYON, UTAH QUADRANGLE, USGS

THIS WELL LOCATION PLAT WAS PREPARED FOR BEARTOOTH OIL & GAS CO. TO LOCATE THE BRYSON CANYON UNIT NO. 14 , 1435' F.N.L. & 794' F.W.L. IN THE SW 1/4 NW 1/4, OF SECTION 9 , T. 17S. , R. 24E. OF THE S.L.M. , GRAND COUNTY, UTAH



SURVEYOR'S CERTIFICATE

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

Larry D. Becker

SURVEYED	5-5-83
DRAWN	5-6-83
CHECKED	5-6-83

ENERGY SURVEYS & ENGINEERING CORP.

715 HORIZON DRIVE, SUITE 330
GRAND JUNCTION, CO 81501
(303) 245-7221

SCALE 1" = 1000'
JOB NO.
SHEET OF

Beartooth Oil & Gas Company
Well No. 14
Section 9, T. 17 S., R. 24 E.
Grand County, Utah
Bryson Canyon Unit
Lease U-026

Supplemental Stipulations

- 1) The dirt contractor will be furnished with an approved copy of the surface use plan, prior to any work.
- 2) The top 6 inches of soil material will be removed and stockpiled on the south end of the pad.
- 3) A vegetative buffer will be used to minimize visual impacts and isolate the pad from the existing road. A ten foot wide vegetative corridor will be left adjacent to the existing road (SW corner of pad) except where access or construction of production facilities warrant the removal of vegetation. A vegetative buffer will also be used along the north and east edges of the location.
- 4) Production lines will follow facilities Plot #4 on the other side of the access road. Therefore the line between the meter and Mesa pipeline gathering system will cross the access road. This line will be buried to a depth of 5 feet below the road surface.
- 5) A four strand barbed wire fence will be used for the reserve pit and blooie pit.
- 6) Adequate and sufficient electric/radioactive logs will be run to locate and identify anticipated coal beds in the Mesaverde formation. 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.

SEED MIXTURE

<u>Species</u>		<u>lbs/acre</u>
<u>Grasses</u>		
Elymus salinus	Salina wildrye	1
Oryzopsis hymenoides	Indian ricegrass	1
<u>Forbs</u>		
Melilotus officinalis	Yellow sweetclover	.5
<u>Shrubs</u>		
Amelanchier utahensis	Utah serviceberry	1
Cowania mexicana	Mexican cliffrose	2
		<hr/> 5.5 lbs/acre

Broadcast seed will be applied at double the above rate.

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

ADDITIONAL STIPULATIONS FOR PRODUCTION FACILITIES

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

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

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

Bryson Canyon Unit Well #14
SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 9-T17S-R24E
Grand County, Utah

1. Existing Roads - a legible map showing:

- A. Proposed well site as staked. (Actual staking should include two each 200-foot directional reference stakes.): See Survey Plat No. 1
- B. Route and distance from nearest town or locatable reference point to where well access route leaves main road: This proposed well is approximately 21.5 miles north of the Westwater exit on I-70. It is reached by going up East Canyon to Paridise Hill then 2.8 miles up the hill to the location (see Map #1 and #3).
- C. Access road(s) to location color-coded or labeled: All existing roads are colored green.
- D. If exploratory well, all existing roads within a 3-mile radius (including type of surface, conditions, etc.): N/A
- E. If development well, all existing roads within a 1-mile radius of wellsite: All existing roads are shown on Maps #1 and #3.
- F. Plans for improvement and/or maintenance of existing roads: The existing roads are county roads. Occasional blading is done by producing and pipeline companies in the area. Beartooth will conduct maintenance road blading on the access road.

2. Planned Access Roads - No new road will be constructed.

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

- (1) Width & Disturbance: _____
- (2) Maximum grades: _____
- (3) Turnouts: _____
- (4) Drainage design: _____
- (5) Location and size of culverts and brief description of any major cuts and fills: _____
- (6) Surfacing material: _____
- (7) Necessary gates, cattleguards, or fence cuts: _____
- (8) New or reconstructed roads are to be center-line flagged at time of location staking: _____

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: Three
- (3) Temporarily abandoned wells: None
- (4) Disposal wells: None
- (5) Drilling wells: One location approved
- (6) Producing wells: Four
- (7) Shut-in wells: Three
- (8) Injection wells: None
- (9) Monitoring or observation wells for other resources: None

4. Location of Existing and/or Proposed Facilities

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

- 1. Tank batteries: None
- 2. Production facilities: Meter runs and separators at gas wells shown on Map No. 2.
- (3) Oil gathering lines: None
- (4) Gas gathering lines: See Map No. 2. Surface gathering lines are shown.
- (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: Proposed facilities including line to Mesa Pipeline gathering system 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.

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 will be purchased from Frank Spavafora (rancher) The supply point will be NW $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 5-T18S-R24E.
- _____
- _____
- 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
- (2) Location of mud tanks, reserve, burn and trash pits, pipe racks, living facilities, and soil material stockpiles: See Plats Nos. 2 & 3
All trees will be stockpiled during location construction. After the location is cleaned up and recontoured, the trees will be re-distributed over the re-contoured portions 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 location is on a flat ridge top. The soils are shallow and rocky. Vegetation is Pinon-Juniper forest with a western wheatgrass-mixed shrub understory. A few mule deer inhabit the area.
- (2) Other surface use activities and surface ownership of all involved lands: The predominant surface use is oil and gas development. All lands involved are public lands.
- (3) Proximity of water, occupied dwellings, archeological, historical or cultural sites: The nearest live water is sometimes in East Canyon approximately 1 mile east of the wellsite. The nearest occupied dwelling is in the NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 5-T18S-R24E. A cultural resource survey of the area has been completed and the report is on file with the BLM-Moab.

12. Lessee's or Operator's Representative

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

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

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

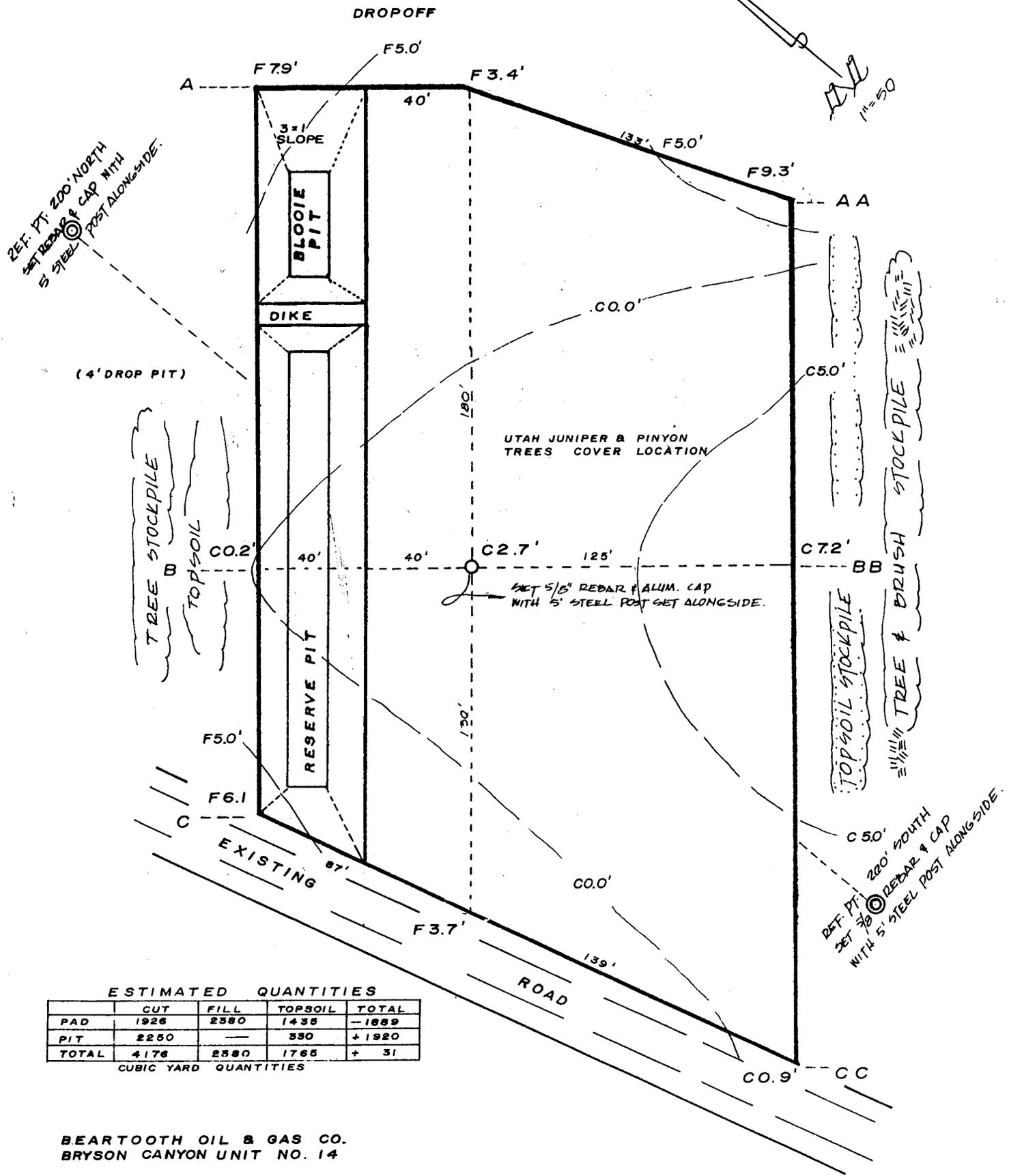
13: Certification

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

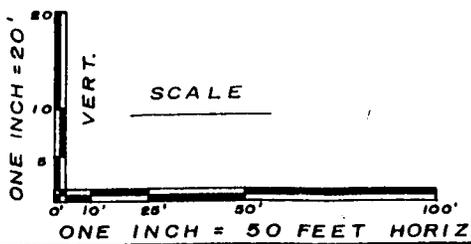
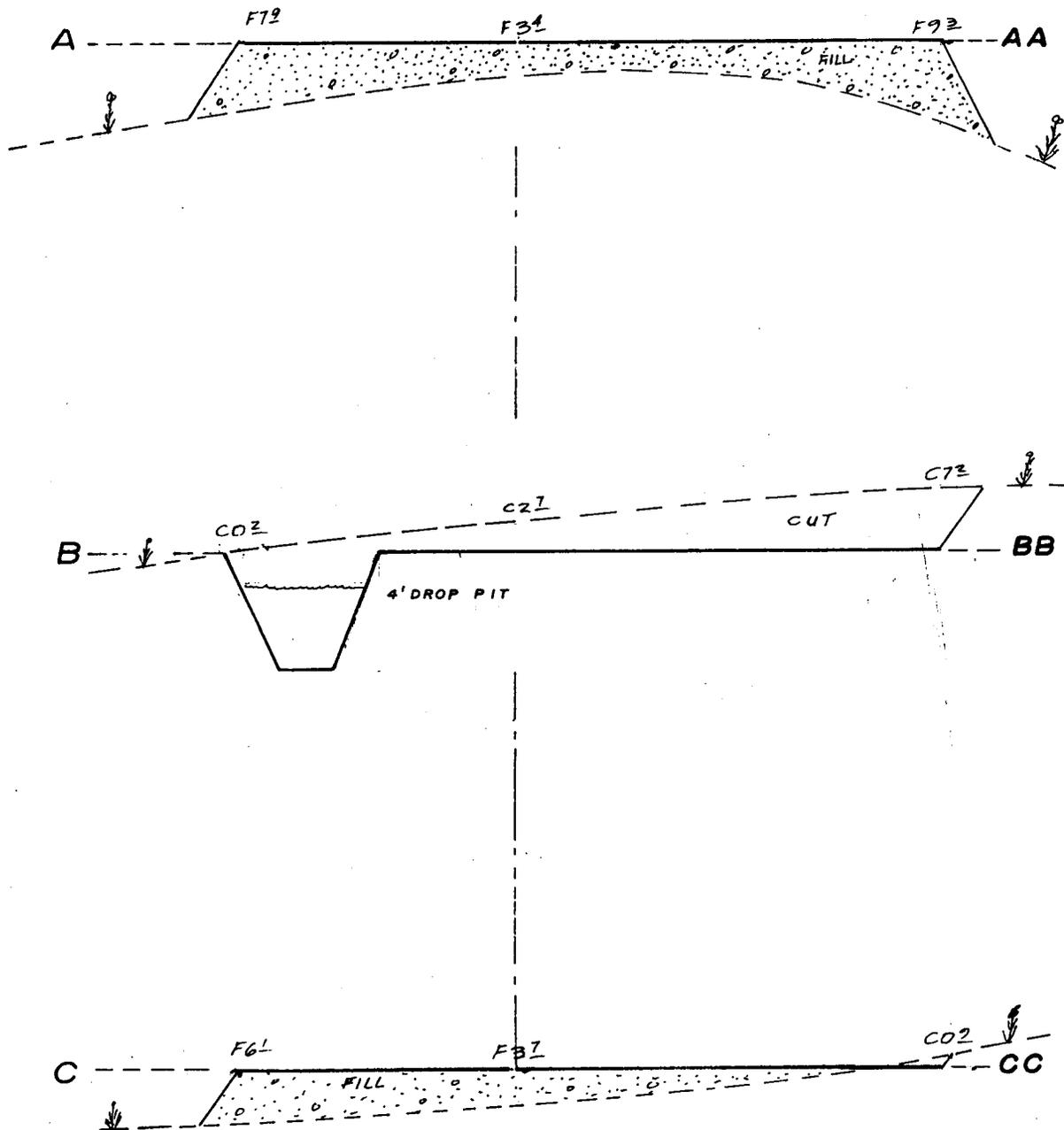
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated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

May 10, 1983
Date

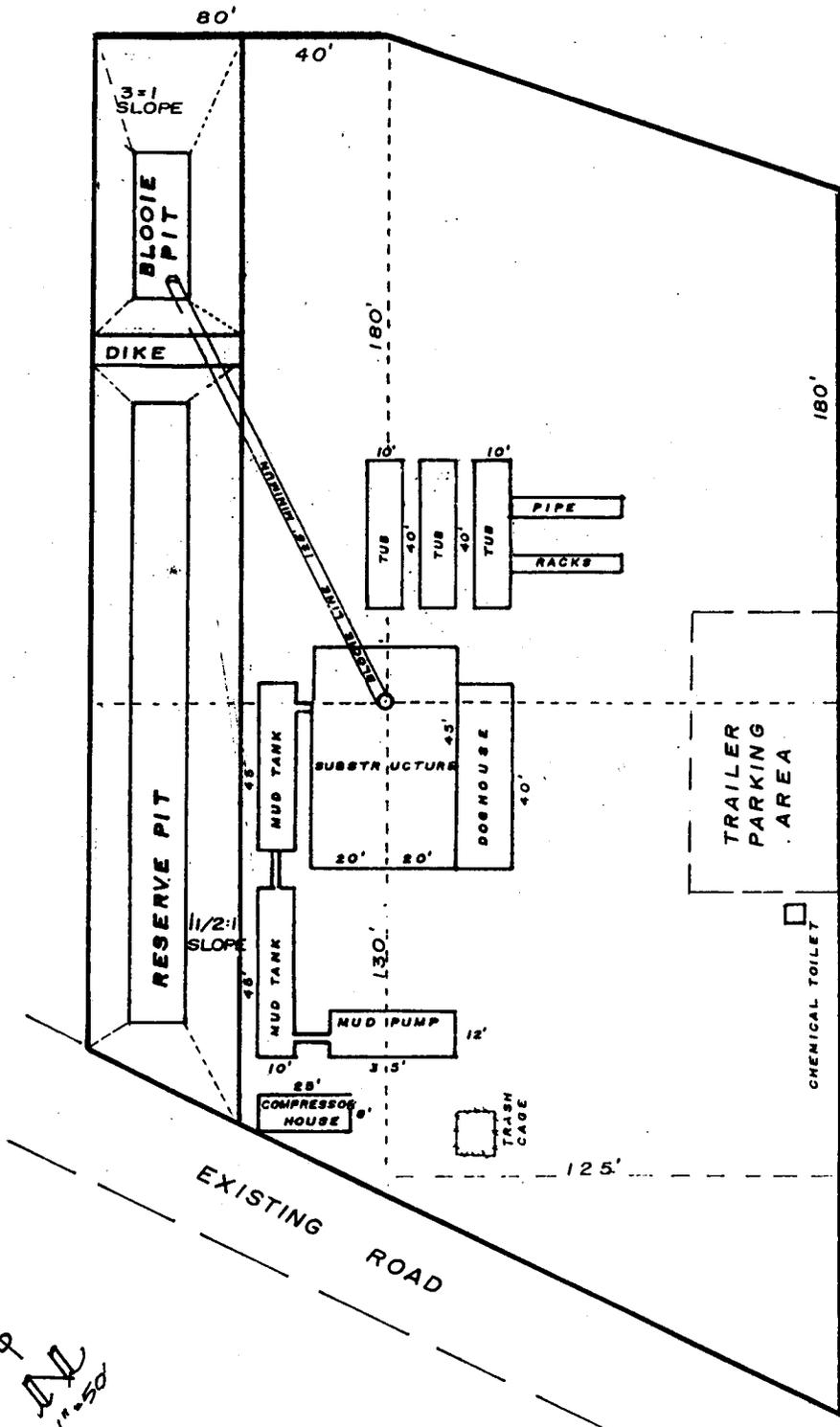
Kenneth A. Currey



CROSS-SECTIONS
OF PIT & PAD



BEARTOOTH OIL & GAS CO.
BRYSON CANYON UNIT NO. 14



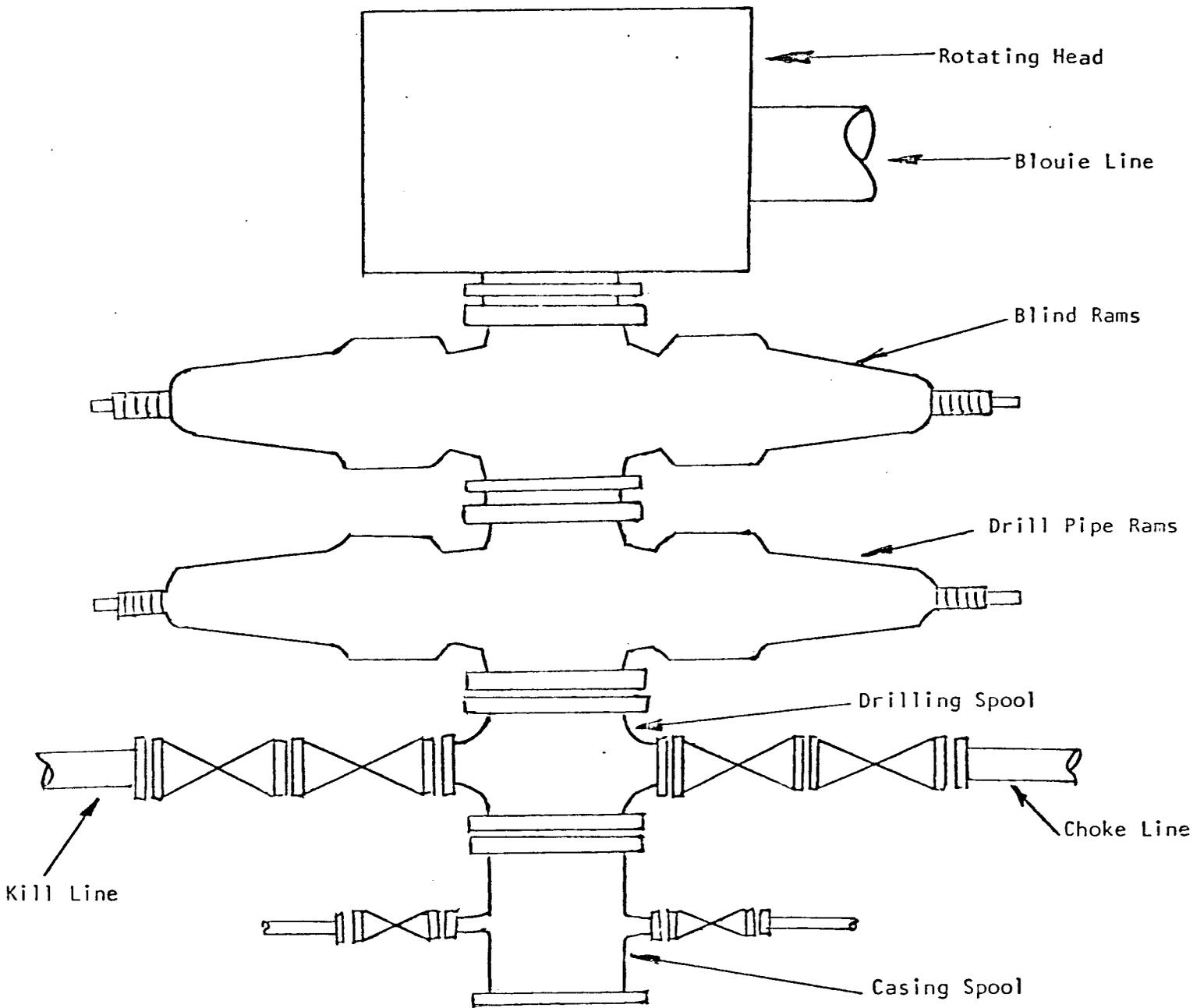
BEARTOOTH OIL & GAS CO.
 BRYSON CANYON UNIT NO. 14

Handwritten initials and date:
 AC
 11-2-50

SCHEMATIC OF BOP STACK

Air drilled wells using 900 series wellhead equipment.

Interval from 300' to total depth.

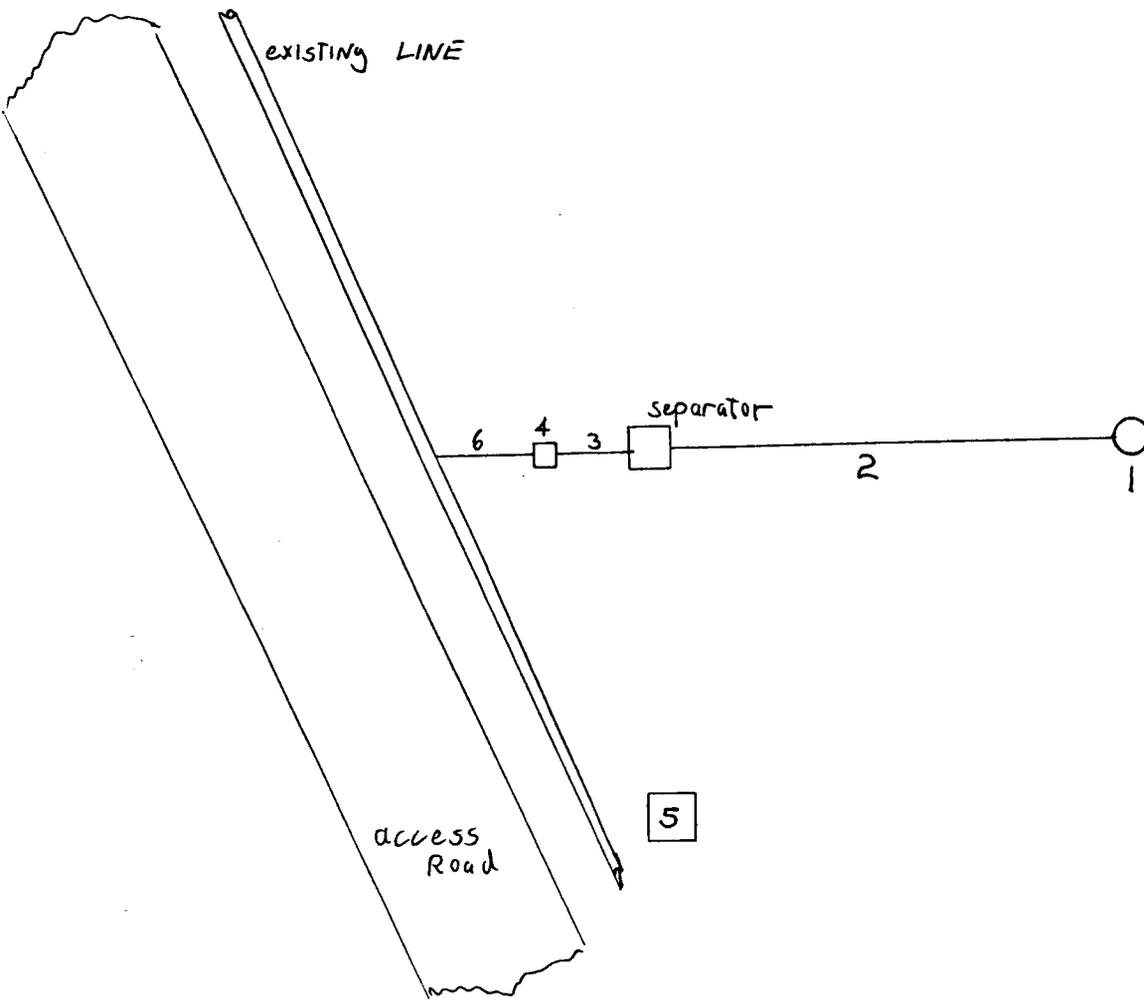


WELL CONTROL PLAN

1. Surface Casing: 9-5/8" O.D., 32.3 #/ft., Grade H-40, Short T&C, set at 300' 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 2500' 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 _____ 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 1300 psi at 6400' or a gradient of .203psi/ft or less. No abnormal temperatures or hydrogen sulfide gas are anticipated.

BEARTOOTH OIL & GAS COMPANY

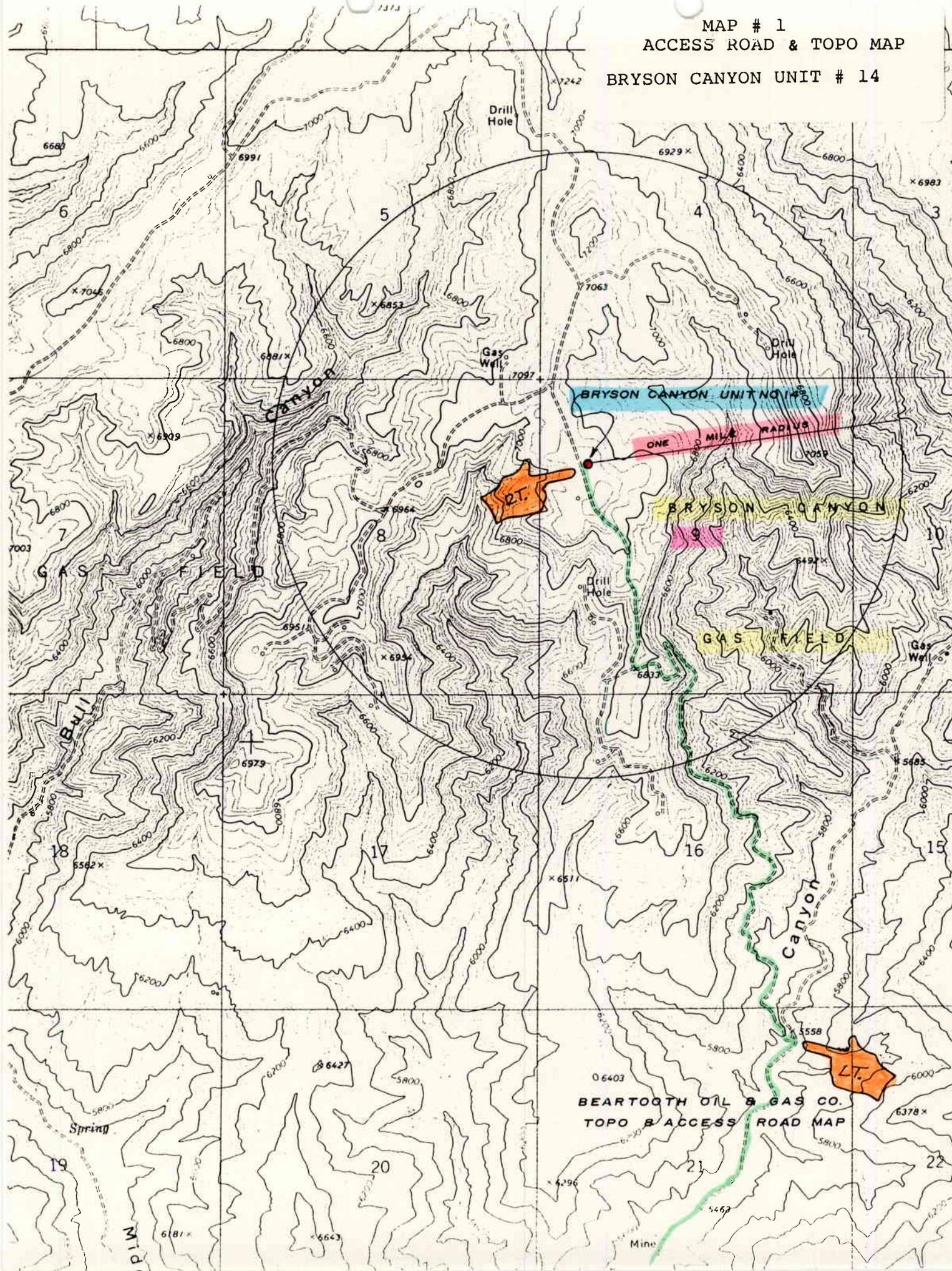
By: James G. Routson
James G. Routson, Petroleum Engineer



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 2-3/8" OD seamless, welded, coated, wrapped and buried, and will be approximately 25 feet in length.
4. Meter run will be American 2" run, 500 psi static rating, 100" of water differential rating.
5. Pit, if necessary, will be 8' x 8', enclosed by dikes and fenced.
6. Line between meter run and Mesa Pipeline gathering system will be about 25' in length and will be the same as Item No. 2.

MAP # 1
ACCESS ROAD & TOPO MAP
BRYSON CANYON UNIT # 14

4358
380 000
FEET
4357
4356
20'
4354
BRYSON CANYON
1:62,500



BEARTOOTH OIL & GAS CO.
TOPO & ACCESS ROAD MAP

OPERATOR Beartooth Oil & Gas DATE 5-17-83
WELL NAME Deerfoot Canyon Fed. Unit #14
SEC SWNW9 T 17S R 24E COUNTY Grand

C7A

43-019-31066
API NUMBER

Fed.
TYPE OF LEASE

POSTING CHECK OFF:

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

PROCESSING COMMENTS:

✓ CHIEF PETROLEUM ENGINEER REVIEW:
5/16/83

APPROVAL LETTER:

SPACING: A-3 RAYSON CANYON c-3-a _____
UNIT CAUSE NO. & DATE
 c-3-b c-3-c



Approval conditional upon submitted of a copy of the Utah State Division of Water Rights approval for usage of the Frank Sparafano water to be used for drilling.

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

AUTHENTICATE LEASE AND OPERATOR INFORMATION

VERIFY ADEQUATE AND PROPER BONDING

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

APPLY SPACING CONSIDERATION

ORDER _____

UNIT _____

c-3-b

c-3-c

CHECK DISTANCE TO NEAREST WELL.

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

IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

May 25, 1983

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

RE: Well No. Bryson Canyon Fed. Unit #14
SWNW Sec. 9, T.17S, R.24E
1435 FNL, 794 FWL
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. Approval conditional upon submitted of a copy of the Utah State Division of Water Rights approval for usage of the Frank Spavafora water to be used for drilling.

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 - Chief Petroleum Engineer
Office: 533-5771
Home: 571-6068

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 43-019-31066.

Sincerely,

Norman C. Stout
Administrative Assistant

NCS/as
cc: Oil & Gas Operations
Enclosure

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)
OIL & GAS OPERATIONS
RECEIVED
MAY 17 1983

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 1435' FNL, 794' FWL
 At proposed prod. zone same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 40 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) 1435'

16. NO. OF ACRES IN LEASE 1200

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. 561'

19. PROPOSED DEPTH 6480'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 7101' GL, 7112' KB

22. APPROX. DATE WORK WILL START* June 15, 1983

5. LEASE DESIGNATION AND SERIAL NO.
 U-026

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
 Bryson Canyon

8. FARM OR LEASE NAME
 Federal

9. WELL NO.
 Unit No. 14

10. FIELD AND POOL, OR WILDCAT
 Bryson Canyon

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 9-T17S-R24ME

12. COUNTY OR PARISH Grand

13. STATE Utah

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	300'	150 sacks Class "G"
8-3/4"	7" New	20# K-55 STC	2500'	150 sacks 50-50 pozmix
6-1/4"	4-1/2"	11.6# N-80 LTC	6480'	175 sacks RFC

- Surface formation is the Mesaverde.
- Anticipated geologic markers are: Castlegate 2192, Dakota 5862, Morrison 6039, Salt Wash 6364'.
- Gas is anticipated in the Castlegate, Dakota, Morrison and in the Salt Wash. No oil or other minerals are anticipated. Possible water sands are expected in the Mesaverde.
- Proposed casing program: See Item No. 23 above. 7" casing will be run only if water is encountered in the Mesaverde.
- 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. Be air (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.

RECEIVED
2 1983
DIV. OF OIL, GAS & MINING
DATE 5/10/83

SIGNED James G. Routson TITLE Petroleum Engineer
James G. Routson
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE
W.P. Martin E. W. Guynn
APPROVED BY _____ TITLE District Oil & Gas Supervisor DATE JUN 01 1983
CONDITIONS OF APPROVAL, IF ANY:

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

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 : 1965-O-711-396

drilled from under surface casing to total depth.

7. Auxiliary equipment: See well control plan.
8. The logging program will consist of a DIL log from TD to base of intermediate casing, and GR-FDC-SNP or CNL logs from TD to above the Frontier. No cores or DST's are planned.
9. No abnormal pressures or temperatures are anticipated. No poisonous gas is anticipated.
10. Anticipated spud date is June 15, 1983. Completion operations should commence within 30 days of rig release.
11. Survey plats are attached.
12. The gas is dedicated to Mesa Pipeline.
13. Designation of Agent forms from Trend will be sent to the MMS Unit Division in Denver.
14. This well will be drilled under Trend's bond.

STATE OF COLORADO
DEPARTMENT OF REVENUE
BUREAU OF OIL AND GAS ADMINISTRATION
1500 EAST AVENUE
DENVER, COLORADO 80202
TELEPHONE 333-3000
FACSIMILE 333-3000

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: Beartooth Oil & Gas Company

WELL NAME: Bryson Canyon Unit #14

SECTION SWNW 9 TOWNSHIP 17S RANGE 24E COUNTY Grand

DRILLING CONTRACTOR _____

RIG # _____

SPUDDED: DATE 6-9-83

TIME 12:30 PM

HOW Dry Hole Digger

DRILLING WILL COMMENCE _____

REPORTED BY Grace

TELEPHONE # Billings, Montana

DATE 6-9-83

SIGNED RJF

NOTICE OF SPUD

Company: Beartooth Oil & Gas

Caller: Shae Brown

Phone: 406-259-2451

Well Number: Bryson Canyon #14

Location: SW/4 NW/4 Sec-9, T. 17S, R. 24W

County: Shard State: UT

Lease Number: U-026

Lease Expiration Date: _____

Unit Name (If Applicable): Bryson Canyon

Date & Time Spudded: 12:30 P.M. 6-7-83

Dry Hole Spudder/Rotary: _____

Details of Spud (Hole, Casing, Cement, etc.) dry hole neg

12 1/4" hole, ran 9 5/8" casing to 308 KB,

325 SK

Rotary Rig Name & Number: Decco Drilling #2

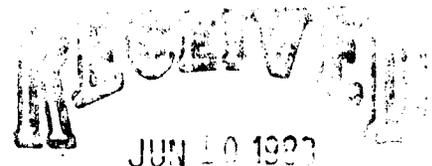
Approximate Date Rotary Moves In: 6-12-83

FOLLOW WITH SUNDRY NOTICE

Call Received By: Andy

Date: 6-9-83 10:35 A.M.

cc: well file
Ut. St. Oil & Gas
BLM, Vernal
TAT



DIVISION OF
OIL GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LEASE 2
U-026

6. IF INDIAN, ALLOTTEE OR TRIBE NAME _____

7. UNIT AGREEMENT NAME
Bryson Canyon

8. FARM OR LEASE NAME
Federal

9. WELL NO.
Unit No. 14

10. FIELD OR WILDCAT NAME
Bryson Canyon

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 9-T17S-R24E

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

14. API NO.
43-019-31066

15. ELEVATIONS (SHOW DF, KDB, AND WD)
7101' GL, 7111' KB

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: 1435' FNL, 794' FWL
AT TOP PROD. INTERVAL: _____
AT TOTAL DEPTH: _____

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

- REQUEST FOR APPROVAL TO:
- TEST WATER SHUT-OFF
 - FRACTURE TREAT
 - SHOOT OR ACIDIZE
 - REPAIR WELL
 - PULL OR ALTER CASING
 - MULTIPLE COMPLETE
 - CHANGE ZONES
 - ABANDON*
- (other) _____ Status Report

SUBSEQUENT REPORT OF:

RECEIVED
JUN 20 1983
DIVISION OF 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.)*

Spudded with dry hole rig at 12:30 PM on 6/7/83. Drilled 12-1/4" hole to 326' KB. Ran 7 joints of 9-5/8", 36#, H-40 casing to 308' KB. Cemented with 225 sacks Class "H", 3% CaCl₂, 1/4# celloflake. Good cement returns to surface. Plug down at 8:00 AM on 6/8/83.

Started drilling with Veco Rig 2 on 6/12/83.

Ran 7", 23# L.S. casing to 2455' KB and cemented with 150 sacks Class "H", 2% CaCl₂, 1/4#/sx celloseal.

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 6/16/83

(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

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: 1435' FNL, 794' FWL
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)	<input type="checkbox"/>		<input type="checkbox"/>

Status Report

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

Total Depth 6420'. Reached TD on 6/18/83.

Ran 158 joints 4½", 1.6# N-80 casing to 6240' KB. Cemented with 175 sacks Halliburton Thicksatopic, 1000 gal. mud flush ahead. Plug down at 12:00 MN 6/19/83.

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 6/29/83
Grace E. BROWN

(This space for Federal or State office use)

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

LEASE U-026

6. IF INDIAN, ALLOTTEE OR TRIBE NAME _____

7. UNIT AGREEMENT NAME
Bryson Canyon

8. FARM OR LEASE NAME
Federal

9. WELL NO.
Unit No. 14

10. FIELD OR WILDCAT NAME
Bryson Canyon

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SW¼NW¼ Sec. 9-T17S-R24E

12. COUNTY OR PARISH
Grand

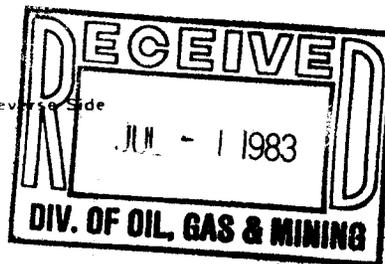
13. STATE
Utah

14. API NO.
43-019-31066

15. ELEVATIONS (SHOW DF, KDB, AND WD)
7101' GL, 7111' KB

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

*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.

5

5. LEASE DESIGNATION AND SERIAL NO.

U-026

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Bryson Canyon

8. FARM OR LEASE NAME

Federal

WELL NO.

Unit No. 14

10. FIELD AND POOL, OR WILDCAT

Bryson Canyon

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

SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 9-T17S-R24E

12. COUNTY OR PARISH
Grand

13. STATE
Utah

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 59101

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 1435' FNL, 794' FWL
At top prod. interval reported below same
At total depth same

RECEIVED
JUL 23 1983
DIVISION OF GAS & MINING
SWNW

14. PERMIT NO.
43-019-31066

DATE ISSUED
5/25/83

12. COUNTY OR PARISH
Grand

13. STATE
Utah

15. DATE SPUDED 6/7/83 16. DATE T.D. REACHED 6/18/83 17. DATE COMPL. (Ready to prod.) 7/9/83 18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 7101' GL, 7111' KB 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 6420' 21. PLUG, BACK T.D., MD & TVD 6188' 22. IF MULTIPLE COMPL., HOW MANY* 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)* 5928-6065' - Dakota & Morrison 25. WAS DIRECTIONAL SURVEY MADE no

26. TYPE ELECTRIC AND OTHER LOGS RUN OIL/FDC-SNL-GR 27. WAS WELL CORED no

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	36#, H-40	308' KB	12-1/4"	225 sacks, Class "H"	none
7"	23#, LS	2455' KB	8-3/4"	150 sacks, Class "H"	
4-1/2"	11.6# N-80	6240' KB	6-1/4"	175 sacks	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					1-1/2"	6112'	-

31. PERFORATION RECORD (Interval, size and number)
5928, 5933, 5935, 5947, 5952, 5955, 6047, 6056, 6065' - 9 shots total, .31" dia holes.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
DEPTH INTERVAL (MD) 5928-6065' acidized w/550 gal. 15% MR acid; fract w/ 11,000# 100 mesh sd, 100,000# 20-40 sd, 538 bbls 5% HCl foamed to 90,000 gal. 75% quality w/2,270,000 scf nitrogen

33.* PRODUCTION
DATE FIRST PRODUCTION 7/9/83 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) flowing WELL STATUS (Producing or shut-in) shut-in
DATE OF TEST 7/8/83 HOURS TESTED 6 1/2 CHOKE SIZE 1/2" PROD'N. FOR TEST PERIOD → OIL—BBL. GAS—MCF. 450 WATER—BBL. GAS-OIL RATIO
FLOW. TUBING PRESS. 282 psi CASING PRESSURE 638 psi CALCULATED 24-HOUR RATE → OIL—BBL. GAS—MCF. 1661 WATER—BBL. OIL GRAVITY-API (CORR.)

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

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED James G. Routson TITLE Petroleum Engineer DATE 7/11/83

*(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	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
Castlegate	2159'		
Mancos "B"	2859'		
Base Mancos "B"	3687'		
Frontier	5438'		
Dakota Silt	5742'		
Dakota	5830'		
Morrison	5966'		
Salt Wash	6300'		

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 Bryson Canyon Unit No. 14
Operator Beartooth Oil & Gas Company Address P. O. Box 2564, Billings, MT 59103
Contractor Veco Drilling Company Address Grand Junction, Colorado
Location SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 9 T. 17S R. 24E County Grand

Water Sands

<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
From	To	Flow Rate or Head	Fresh or Salty
1.	NO WATER ENCOUNTERED		
2.			
3.			
4.			
5.			

(Continue of reverse side if necessary)

<u>Formation Tops</u>	Castlegate	2159'
	Mancos "B"	2859'
	Frontier	5438'
<u>Remarks</u>	Dakota Silt	5742'
	Dakota Sand	5830'
	Morrison	5966'
	Salt Wash	6300'

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



United States Department of the Interior

BUREAU OF LAND MANAGEMENT
UTAH STATE OFFICE
324 SOUTH STATE, SUITE 301
SALT LAKE CITY, UTAH 84111-2303



3160
(U-922)

RECEIVED

DEC - 5 1988

AMC.....

RECEIVED
FEB 13 1989

November 23, 1988

DIVISION OF
OIL, GAS & MINING

Trend Oil Corp.
2234 East Colorado Boulevard
Pasadena, California 91107-3608

Gentlemen:

The Third Revision of the Dakota-Cedar Mountain Participating Area - Bryson Canyon Unit, 081007308A, is hereby approved effective as of August 1, 1983, pursuant to Section 11 of the Bryson Canyon Unit Agreement, Grand County, Utah.

The Third Revision of the Dakota-Cedar Mountain Participating Area results in the addition of 160 acres to the participating area for a total of 1,320 acres and is based upon the completion of unit well No. 14, located in the SW $\frac{1}{4}$ NW $\frac{1}{4}$, Section 9, T. 17 S., R. 24 E., unit tract No. 1, Federal lease No. U-026, which had an initial production of 1,661 MCFPD from the Dakota-Cedar Mountain Formation.

Copies of the approved request are being distributed to the appropriate Federal agencies and one copy is returned herewith. Please advise all interested parties of the Third Revision of the Dakota-Cedar Mountain Participating Area - Bryson Canyon Unit and the effective date.

Sincerely,

Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosures



3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

RECEIVED
FEB 18 1989

DOGM 56 64 23
7/85

Page 1 of 1

DIVISION OF
OIL, GAS & MINING

PRODUCING ENTITY ACTION

Operator Name Beartooth Oil & Gas Company
 Address P.O. Box 2564
 City Billings State MT Zip 59103
 Utah Account No. N1790

Authorized Signature Bobbie Wolfe **BOBBIE WOLFE, PRODUCTION CLERK**
 Effective Date 12/88 Telephone 406-259-2451

ACTION CODE

- A Establish new entity for new well(s).
- B Add new well(s) to existing entity.
- C Delete well(s) from existing entity.
- D Establish new entity for well(s) being deleted from existing entity.
- E Change well(s) from one entity to another existing entity.
- F Other. (Specify using attachments if necessary.)

BRACKET WELLS TO BE GROUPED TOGETHER.

(Use black ink or typewriter ribbon.)

Action Code	Current Entity No.	New Entity No.	API No.	Well Name	Well Location					Producing Formation
					Sec.	T	R	Q/Q	County	
E	02850	02860	4301931066	Bryson Cyn Fed 14	9	17S	24E	sw/nw	Grand	DK-MR

Explanation of action: Added to Participating Area. See attached.
* Participating area is DK-CDMTN not DK-MR, this well should have its own entity. No change being made at this time.

Explanation of action: * Operator has been contacted. 2-14-89 JCR

Explanation of action:

Explanation of action:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
 Beartooth Oil & Gas Company (Prior Operator)

3. Address and Telephone No.
 P. O. Box 2564, Billings, Montana 59103

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
 1435' FNL, 794' FWL
 SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 9-T17S-R24E

5. Lease Designation and Serial No.
 U-026

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation
 Bryson Canyon

8. Well Name and No.
 Unit No. 14

9. API Well No.
 43-019-31066

10. Field and Pool, or Exploratory Area
 Bryson Canyon

11. County or Parish, State
 Grand County, Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent <input type="checkbox"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input type="checkbox"/> Casing Repair <input type="checkbox"/> Altering Casing <input type="checkbox"/> Other <u>CHANGE OF OPERATOR</u>
	<input type="checkbox"/> Change of Plans <input type="checkbox"/> New Construction <input type="checkbox"/> Non-Routine Fracturing <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Dispose Water

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

13. 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 July 1, 2000, the Operator has been changed from Beartooth Oil & Gas Company to Trend Oil Company at the following address:

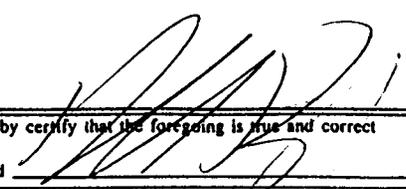
Trend Oil Company, Operator
 1300 N. McDowell Boulevard, Suite G
 Petaluma, CA 94954

RECEIVED

AUG 28 2000

DIVISION OF
OIL, GAS AND MINING

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

Signed  Title Donald K. Roberts, President Date August 24, 2000

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
 Conditions of approval, if any:

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0034
Expires: July 31, 1995

**TRANSFER OF OPERATING RIGHTS (SUBLEASE) IN A
LEASE FOR OIL AND GAS OR GEOTHERMAL RESOURCES**

Lease Serial No.

U-026

Mineral Leasing Act of 1920 (30 U.S.C. 181 et seq.)
Act for Acquired Lands of 1947 (30 U.S.C. 351-359)
Geothermal Steam Act of 1970 (30 U.S.C. 1001-1025)
Department of the Interior Appropriations Act, Fiscal Year 1981 (42 U.S.C. 6508)

Type or print plainly in ink and sign in ink.

PART A: TRANSFER

1. Transferee (Sublessee)*
Street: Trend Oil Company Operator
City, State, ZIP Code: 1300 North McDowell Boulevard, Suite G
Petaluma, CA 94954



*If more than one transferee, check here and list the name(s) and address(es) of all additional transferees on the reverse of this form or on a separate attached sheet of paper.

This transfer is for: (Check one) Oil and Gas Lease, or Geothermal Lease

Interest conveyed: (Check one or both, as appropriate) Operating Rights (sublease) Overriding Royalty, payment out of production or similar interests or payments

2. This transfer (sublease) conveys the following interest:

Land Description Additional space on reverse, if needed. Do not submit documents or agreements other than this form; such documents or agreements shall only be referenced herein.	Percent of Interest			Percent of Overriding Royalty or Similar Interests	
	Owned	Conveyed	Retained	Reserved	Previously reserved or conveyed
	b	c	d		
Grand County, Utah Township 17 South, Range 24 East					
Tr.1) Section 8: SE $\frac{1}{4}$ and E $\frac{1}{4}$ SW $\frac{1}{4}$ 17: NE $\frac{1}{4}$	57.500%	57.500%	None	None	Those record
Tr.2) Section 8: NE $\frac{1}{4}$	57.500%	57.500%	None	None	"
Tr.3) Section 9: NW $\frac{1}{4}$	37.3750%	37.3750%	None	None	"
Tr.4) Section 9: NE $\frac{1}{4}$	63.3283%	63.3283%	None	None	"
Containing 880.00 acres, more or less					

Tr.1 - Limited from surface to 100' below 6096' as drilled in the Bryson Canyon Unit #17 W
Tr.2 - Limited from surface to 100' below 6455' as drilled in the Bryson Canyon Unit #13 W
Tr.3 - Limited to depths between the base of the productive Castlegate zones down to 100' below 6420' as drilled in the Bryson Canyon Unit #14 Well.
Tr.4 - Limited to depths between the base of the productive Castlegate zones down to 100' below 6420' as drilled in the Bryson Canyon Unit #14 Well (which includes the TD of 5250' as drilled in the Bryson Canyon Unit #18 Well).

FOR BLM USE ONLY—DO NOT WRITE BELOW THIS LINE

THE UNITED STATES OF AMERICA

This transfer is approved solely for administrative purposes. Approval does not warrant that either party to this transfer holds legal or equitable title to this lease.

Transfer approved effective OCT 1 2000
By [Signature]
(Authorized Officer)

Chief, Branch of Minerals Adjudication
(Title) SEP 29 20
(Date)

SIGNATURE PAGE TO ASSIGNMENT OF FEDERAL LEASE NO. U-026

BEARTOOTH OIL & GAS COMPANY
P. O. Box 2564
Billings, Montana 59103

By: 
Donald K. Roberts, President

NICK R. CLADIS
P. O. Box 7028
Billings, Montana 59103

By: _____
Nick R. Cladis

A. H. DITTO
607-3800 YONGE
N YORK, ONTARIO
CANADA N4M 2N6

By: _____
A. H. Ditto

HANCOCK ENTERPRISES
P. O. Box 2527
Billings, Montana 59103

By: _____
William J. Hancock
General Partner

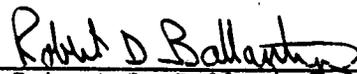
ARLEN BOYD HENNEMAN
P. O. Box 1048
Billings, Montana 59103

By: _____
Arlen Boyd Henneman

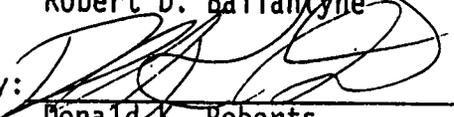
OAKMONT CORPORATION
1st Interstate Tower South
621 17th Street, Suite 1101
Denver, Colorado 80293

By: _____
John E. Chatfield, President

ROBERT D. BALLANTYNE
3240 Horton Smith Drive
Billings, Montana 59106

By: 
Robert D. Ballantyne

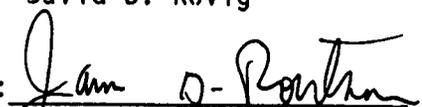
DONALD K. ROBERTS
123 Clark Avenue
Billings, Montana 59101

By: 
Donald K. Roberts

DAVID B. ROVIG
510 First Citizens Bank Building
Billings, Montana 59101

By: _____
David B. Rovig

JR OIL COMPANY
P. O. Box 3394
Billings, Montana 59103

By: 
JAMES G. ROUTSON

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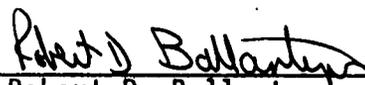
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OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH		4-KAS ✓
2. CDW ✓		5-970 ✓
3. JLT		6-FILE

Enter date after each listed item is completed

X Change of Operator (Well Sold)

Designation of Agent

Operator Name Change (Only)

Merger

The operator of the well(s) listed below has changed, effective: 7/1/2000

FROM: (Old Operator):
BEARTOOTH OIL & GAS (DESIGNATED AGENT)
Address: P. O. BOX 2564
BILLINGS, MT 59103
Phone: 1-(406)-259-2451
Account No. N1790

TO: (New Operator):
TREND OIL COMPANY
Address: 1390 N. McDOWELL BLVD STE G
PETALUMA, CA 94954
Phone: 1-(707)-773-1236
Account No. N1020

CA No.

Unit: BRYSON CANYON

WELL(S)

NAME	API NO.	ENTITY NO.	SEC. TWN RNG	LEASE TYPE	WELL TYPE	WELL STATUS
BRYSON CANYON FEDERAL 14	43-019-31066	2860	09-17S-24E	FEDERAL	GW	P
BRYSON CANYON FEDERAL 16	43-019-31093	2860	10-17S-24E	FEDERAL	GW	P
BRYSON CANYON FEDERAL 15	43-019-30960	2860	15-17S-24E	FEDERAL	GW	P

OPERATOR CHANGES DOCUMENTATION

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 08/28/2000
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 01/16/2001
- The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 01/31/2001
- Is the new operator registered in the State of Utah: YES Business Number: 567043-0143
- If **NO**, the operator was contacted on: N/A
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the (merger, name change, or operator change for all wells listed on Federal or Indian leases on: SEE COMMENTS SECTION
- Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: N/A

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Trend Oil Company, Operator

3. ADDRESS OF OPERATOR
1390 N. McDowell Blvd, Ste G, PMB 266, Petaluma, CA 94954

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface 1435' FNL, 794' FWL

SW 1/4 NW 1/4 Sec. 9-T17S-R24E

11. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, OR, etc.)

5. LEASE DESIGNATION AND SERIAL NO.

U-026

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Bryson Canyon

8. FARM OR LEASE NAME

9. WELL NO.

Unit No. 14

10. FIELD AND POOL, OR WILDCAT

43-019-31066

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

12. COUNTY OR PARISH

Grand City Utah

13. STATE

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

NOTICE OF INTENTION TO:

TEST WATES SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other) Change of Operator

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

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

17. WORKING, PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting 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.)*

CHANGE OF OPERATOR

Trend Oil Co. Operator's taking over operations of the above captioned well.

Trend Oil Co. Operator's responsible under the terms and conditions of the lease for operations conducted on the leased lands or portions thereof.

Bond coverage for this well will be provided by BLM Bond No. _____.

Effective date: July 1, 2000

RECEIVED
BUREAU OF LAND MANAGEMENT

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

SIGNED Dh Catt

TITLE Agent

DATE January 8, 2000

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side