

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG \_\_\_\_\_ ELECTRIC LOGS \_\_\_\_\_ FILE X WATER SANDS \_\_\_\_\_ LOCATION INSPECTED \_\_\_\_\_ SUB. REPORT/abd. \_\_\_\_\_

DATE FILED 10-25-84

LAND: FEE & PATENTED \_\_\_\_\_ STATE LEASE NO. \_\_\_\_\_ PUBLIC LEASE NO. U-51031 INDIAN \_\_\_\_\_

DRILLING APPROVED: 11-1-84 - GAS (Cause No. 119-1)

SPOUDED IN: \_\_\_\_\_

COMPLETED: \_\_\_\_\_ PUT TO PRODUCING: \_\_\_\_\_

INITIAL PRODUCTION: \_\_\_\_\_

GRAVITY A.P.I. \_\_\_\_\_

GOR: \_\_\_\_\_

PRODUCING ZONES: \_\_\_\_\_

TOTAL DEPTH: \_\_\_\_\_

WELL ELEVATION: \_\_\_\_\_

DATE ABANDONED: 1-22-86 LA application rescinded

FIELD: BUCK CANYON 3/86

UNIT: \_\_\_\_\_

COUNTY: UINTAH

WELL NO. FEDERAL #1-13 API #43-047-31568

LOCATION 1320' FNL FT. FROM (N) (S) LINE. 1320' FWL FT. FROM (E) (W) LINE. C NW 1/4 - 1/4 SEC 13

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
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				<u>12S</u>	<u>21E</u>	<u>13</u>	<u>BEARTOOTH OIL &amp; GAS CO</u>
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**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

**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                      1320' FNL, 1320' FWL, Section 13  
 At proposed prod. zone

**14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\***  
 27 miles south of Ouray, Utah

**15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)**                      1320'

**16. NO. OF ACRES IN LEASE**                      320

**17. NO. OF ACRES ASSIGNED TO THIS WELL**                      160

**18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.**                      2166'

**19. PROPOSED DEPTH**                      6283'

**20. ROTARY OR CABLE TOOLS**  
 Rotary

**21. ELEVATIONS (Show whether DF, RT, GR, etc.)**  
 6072' GL, 6083' KB

**22. APPROX. DATE WORK WILL START\***  
 December 1, 1984

**5. LEASE DESIGNATION AND SERIAL NO.**  
 U-51031

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME**

**7. UNIT AGREEMENT NAME**

**8. FARM OR LEASE NAME**  
 Federal

**9. WELL NO.**  
 1-13

**10. FIELD AND POOL, OR WILDCAT**  
 Buck Canyon

**11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA**  
 C NW 1/4 Sec. 13-T12S-R21E

**12. COUNTY OR PARISH**                      **13. STATE**  
 Uintah                      Utah

**PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8" new	24#, J-55	400'	300 sx "C", 3% CaCl <sub>2</sub> , 1/4# cellofla
7-7/8"	4-1/2" new	11.6# N-80	6283'	400 sx RFC, 375 sx Hi-Fill

See attached BLM format for 8 Point Plan

**RECEIVED**

**OCT 25 1984**

**DIVISION OF OIL  
GAS & MINING**

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

DATE: 10/18/84  
 BY: John R. Routson

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

**24.**  
 SIGNED James G. Routson                      TITLE Petroleum Engineer                      DATE 10/18/84  
 James G. Routson

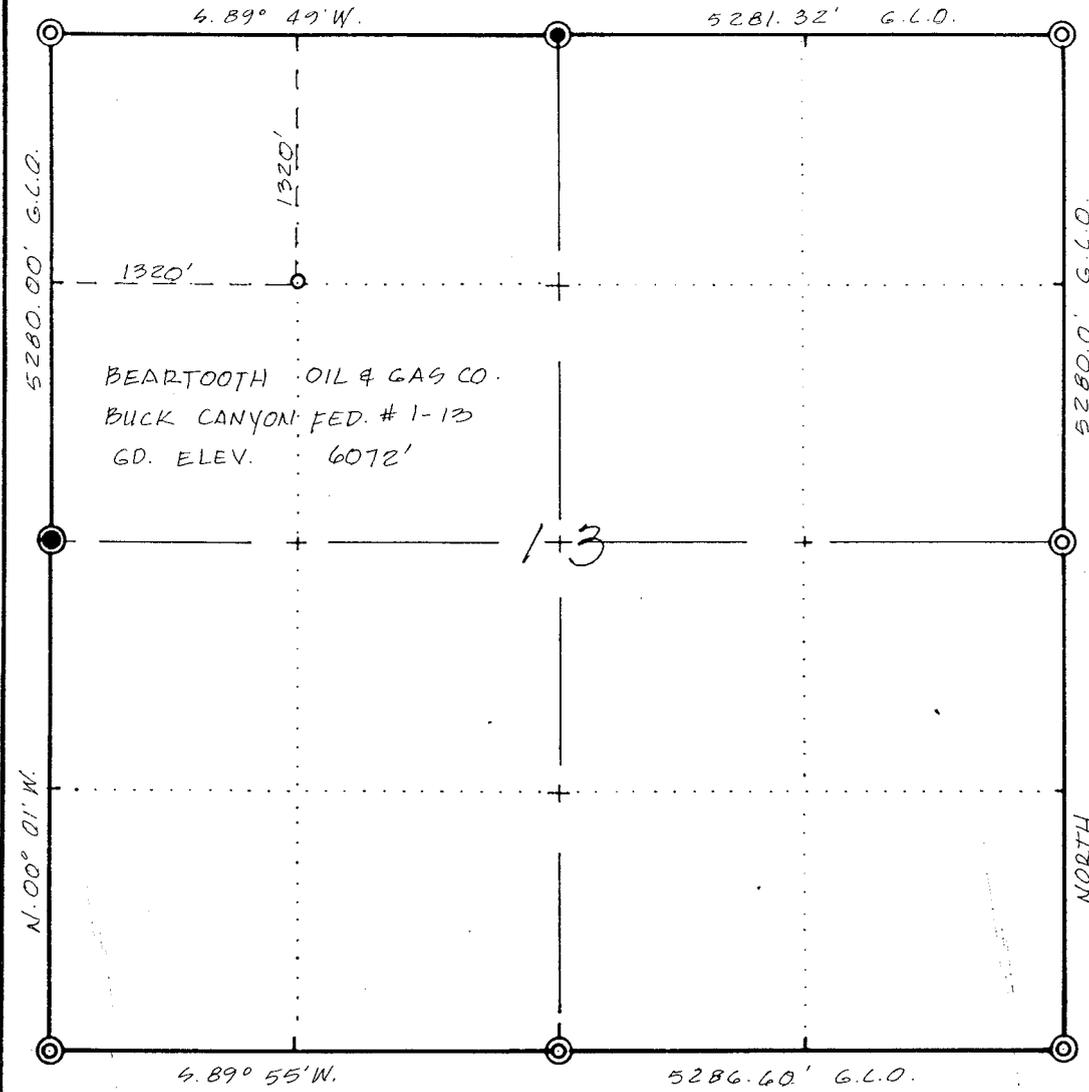
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

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

**\*See Instructions On Reverse Side**

SEC. 13, T. 12S, R. 21E OF THE S.L.M.



- LEGEND**
- ⊙ STANDARD LOCATION OF GLO SECTION CORNERS
  - GLO CORNERS FOUND
  - WELL LOCATION STAKED.
- REFERENCE DOCUMENTS**
- 1924 GLO PLAT
  - BIG PACK MTN., S.E., UT. QUADRANGLE, USGS

THIS WELL LOCATION PLAT WAS PREPARED FOR BEARTOOTH OIL & GAS CO.  
 TO LOCATE THE BUCK CANYON FED. # 1-13, 1320' F.N.L. &  
1320' F.W.L. IN THE NW 1/4, OF SECTION 13, T. 12S., R. 21E.  
 OF THE SLM 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*

SURVEYED	9-20-84	ENERGY SURVEYS & ENGINEERING CORP.	715 HORIZON DRIVE, SUITE 330 GRAND JUNCTION, CO 81501 (303) 245-7221	SCALE 1" = 1000'
DRAWN	7-30-84			JOB NO.
CHECKED				SHEET OF

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company Beartooth Oil & Gas Company Well No. Federal No. 1-13  
Location Sec. 13 T12S R 21E Lease No. U-51031  
Onsite Inspection Date \_\_\_\_\_

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

A. DRILLING PROGRAM

1. Surface Formation and Estimated Formation Tops:

Surface formation is the Green River. Geologic markers are the  
Wasatch 3233', Lower Wasatch 4803', Mesaverde 5483'.

2. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered:

	<u>Formation</u>	<u>Zone</u>
Expected oil zones:	None	
Expected gas zones:	Lower Wasatch & Mesaverde	unpredictable
Expected water zones:	Green River & Upper Wasatch	unpredictable
Expected mineral zones:	None	

All fresh water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

3. Pressure Control Equipment:

See attached well control plan and schematic drilling contractor's  
BOP stack. BOP's will be tested before drilling out from under surface  
casing and checked daily.

BOP systems will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.

The District Office should be notified, with sufficient lead time, in order to have a BLM representative on location during pressure testing.

4. Casing Program and Auxiliary Equipment:

See Item 23 on Form 3160-3. Both strings of casing will be cemented to surface.

Auxiliary equipment: See well control plan.

Anticipated cement tops will be reported as to depth, not the expected number of sacks of cement to be used. The District Office should be notified, with sufficient lead time, in order to have a BLM representative on location while running all casing strings and cementing.

5. Mud Program and Circulating Medium:

The surface hole will be air drilled. The 7-7/8" hole will be drilled with fresh water to the top of the Wasatch and with 3% KCl water from the Wasatch to total depth. A fresh water polymer will be used to increase viscosity to 35 to 40 sec/quart for logging. The water will be aerated if lost circulation is encountered.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

6. Coring, Logging and Testing Program:

The logging program will consist of a DLL log from TD to base of surface casing and GR-FDC-CNL logs from TD to above the Wasatch. No cores or DST's are planned.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description,

and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the authorized officer (AO).

7. Abnormal Conditions, Bottom Hole Pressures and Potential Hazards:

No abnormal pressures or temperatures anticipated. No poisonous gas is anticipated.

8. Anticipated Starting Dates and Notifications of Operations:

Location construction: November 15, 1984

Spud date: December 1, 1984

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The spud date will be reported orally to the AO within 48 hours after spudding. If the spudding occurs on a weekend or holiday, the report will be submitted on the following regular work day. The oral report will be followed up with a Sundry Notice.

3160-6  
In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form ~~9-529~~ "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed, in duplicate, to the Vernal BLM District Office, 170 South 500 East, Vernal, Utah 84078.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than 5 days following the date on which the well is placed on production.

Pursuant to NTL-2B, with the approval of the District Engineer, produced water may be temporarily disposed of into unlined pits for

a period of up to 90 days. During the period so authorized, an application for approval of the permanent disposal method, along with the required water analysis and other information, must be submitted to the District Engineer.

Pursuant to NTL-4A, lessees or operators are authorized to vent/flare gas during initial well evaluation tests, not exceeding a period of 30 days or the production of 50 MMCF of gas, whichever occurs first. An application must be filed with the District Engineer and approval received, for any venting/flaring of gas beyond the initial 30 day or authorized test period.

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in 43 CFR 3162.7 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

A first production conference will be scheduled within 15 days after receipt of the first production notice.

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the SO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within 30 days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

Pursuant to Onshore Oil and Gas Order No. 1, lessees and operators have the responsibility to see that their exploration, development, production, and construction operations are conducted in a manner which conforms with applicable Federal laws and regulations and with State and local laws and regulations to the extent that such State and local laws are applicable to operations on Federal or Indian lands.

B. THIRTEEN POINT SURFACE USE PLAN1. Existing Roads:

- a. Location of proposed well in relation to town or other reference point: This proposed well is 30 miles South of Ouray, Utah
- b. Proposed route to location: Travel South of Ouray 29.3 miles on the Seep Ridge Road, turn left and go 2.5 mi. to the beginning of new access.
- c. Location and description of roads in the area: The Seep Ridge road is the Uintah County road.
- d. Plans for improvement and/or maintenance of existing roads: Beartooth will conduct maintenance blading.
- e. Other: The roads are colored green on Maps #1 and #2.

2. Planned Access Roads:

- a. Width: 18' driving surface; 40-50' disturbed width
- b. Maximum grades: 5%
- c. Turnouts: -Constructed so they are inter-visible
- d. Location (centerline): The road is flagged
- e. Drainage: The road will be ditched and crowned.
- f. Surface materials (source): Native material on site
- g. Other: The 0.3 mile of new road is colored red on Map #1.

All travel will be confined to existing access road rights-of-way.

3. Location of Existing Wells:

See Well Map

4. Location of Tank Batteries and Production Facilities:

All permanent (on site for six months or longer) structures constructed or installed (including oil well pumpjacks) will be painted a flat, non-reflective, earthtone color to match the standard environmental colors, as determined by the Rocky Mountain 5 State Interagency Committee. All facilities will be painted within 6 months of installation. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded.

If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain  $1\frac{1}{2}$  times the storage capacity of the battery.

Tank batteries will be placed on the: Well Pad - see Facilities Plat -  
Plat No. 5

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All loading lines will be placed inside the berm surrounding the tank battery.

All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the AO.

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 will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

5. Location and Type of Water Supply:

All water needed for drilling purposes will be obtained from:

Water will be hauled from the Green River over the existing access  
roads.

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6. Source of Construction Material:

Road surfacing and pad construction material will be obtained from:

The road and well location themselves. Material from cuts will be used  
in fills

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The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

Construction material (will/willxxxx) be located on lease.

7. Methods of Handling Waste Disposal:

The reserve pit ~~(will)~~/will not) be lined: \_\_\_\_\_

All drill cuttings will be contained in the pit.

Burning ~~(will)~~/will not) be allowed. All trash must be contained and disposed of by: placing it in a trash cage and removing it to an

approved sanitary land fill.

Produced waste water will be confined to a (lined/unlined) pit for a period not to exceed 90 days after initial production. During the 90 day period an application for approval of a permanent disposal method and location, along with required water analysis, will be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance, and will be grounds for issuing a shut-in order.

8. Ancillary Facilities:

Camp facilities ~~(will)~~/will not) be required. ~~They will be located:~~

9. Well Site Layout: The reserve pit will be located: on the  
West side of the location.

The stockpiled topsoil will be stored: at the South end of the  
location. Trees will be windrowed to the east side of the location.

Access to the well pad will be from: the Northeast corner.

The trash pit will be located: No trash pit. A trash cage will be  
used.

Reserve pits will be fenced with a wire mesh fence and topped with at least one strand of barbed wire.

10. Plans for Restoration of Surface:

Immediately upon completion of drilling, the location and surrounding area will be cleared of all debris, materials, trash and junk not required for production. The trash will be disposed of in an approved land fill.

Before any dirt work to restore the location takes place, the reserve pit must be completely dry and all cans, barrels, pipe, etc. will be removed.

All disturbed areas will be recontoured to the approximate natural contours.

The stockpiled topsoil will be evenly distributed over the disturbed areas.

Prior to reseeding, all disturbed areas, including the access roads, will be scarified and left with a rough surface.

Seed will be broadcast or drilled at a time specified by the BLM. If broadcast, a harrow or some other implement will be dragged over the seeded area to assure seed coverage.

The following seed mixture will be used:

Indian Rice Grass            1 pound/acre P.L.S.

Western Wheatgrass        2 pound/acre P.L.S.

Crested Wheatgrass        1 pound/acre P.L.S.

The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed.

This reclamation will take place by the fall after drilling and well completion is finished

11. Surface and Mineral Ownership:

All lands are Public Lands

12. Other Information:

A cultural resource survey has been completed and the report is on file with the BLM-Vernal, Utah.

There will be no deviation from the proposed drilling and/or work-over program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.2.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3164.

The dirt contractor will be provided with an approved copy of the surface use plan.

A cultural resource clearance (will ~~not~~) be required before any construction begins. If any cultural resources are found during construction, all work will stop and the AO will be notified.

This permit will be valid for a period of one year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.

13. Lessee's or Operators Representative and Certification

Representative

Name:	James G. Routson	Ken Currey
Address:	Beartooth Oil & Gas Co. P. O. Box 2564, Billings, MT	Box 1491 Fruita, CO 81521
Phone No.	Office: 406-259-2451 Home: 406-245-8797	Mobile: 303-245-3660 Unit 5858 Home: 303-858-3257

Certification:

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 currently 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. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

October 18, 1984

Date

James G. Routson

Name and Title

James G. Routson, Petroleum Engineer

CN-SITE

DATE: \_\_\_\_\_

PARTICIPANTS:

TITLE:

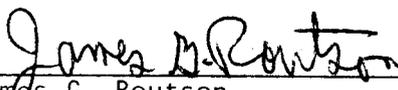
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ALL BUCK CANYON AREA WASATCH WELLS

WELL CONTROL PLAN

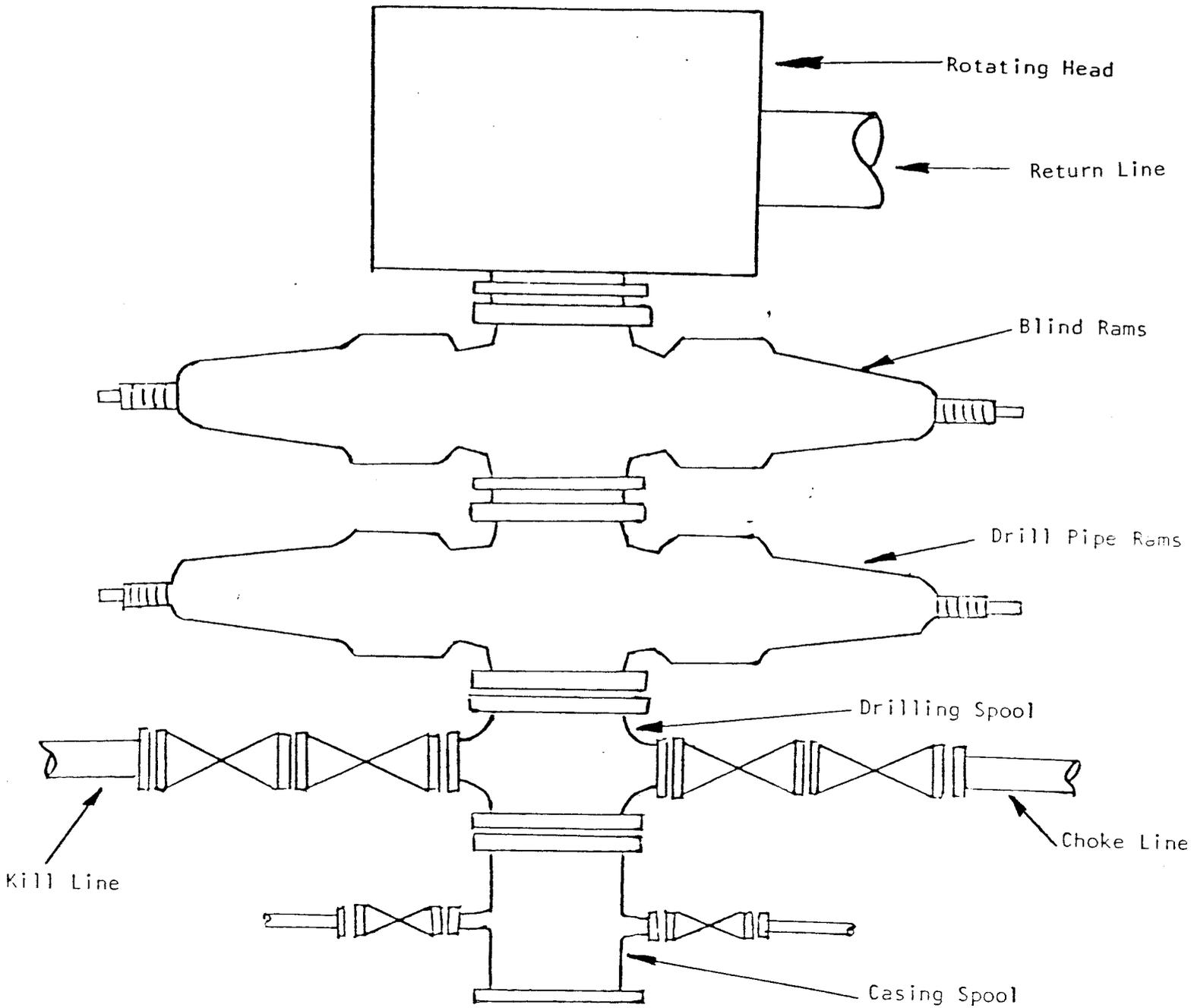
1. Surface Casing: 8 5/8" O.D., 24#/ft. Grade J-55 ST&C, set at 400' or deeper, cemented with pump and plug method back to the surface or bottom of cellar.
2. Casinghead Flange: 8 5/8" x 10" - 900 Series casinghead with two 2" 3000 psi L.P. outlets.
3. Intermediate Casing: None
4. Blowout Preventor: 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" 3000 psi W.P. A Grant rotating head will be used while drilling. BOP's will be worked daily. Blind rams will be checked during trips. BOP's will be tested to 1000 psi prior to drilling shoe joint on surface casing.
5. Auxiliary Equipment: (a) Drill pipe floats will be allowed at contractor's discretion. (b) Upper kelly cock will be used. (c) Stabbing valve will be kept on floor. (d) Mud Logger will be in use.
6. Anticipated bottom hole pressure is less than 2800 psi at 5500' or a gradient of .509 psi/ft or less. No abnormal temperatures or hydrogen sulfide gas are anticipated.
7. A 400 bbl. tank of 10 ppg Brine water (gradient .52 psi/ft) will be kept on location for kill fluid if it is needed.

BEARTOOTH OIL & GAS COMPANY

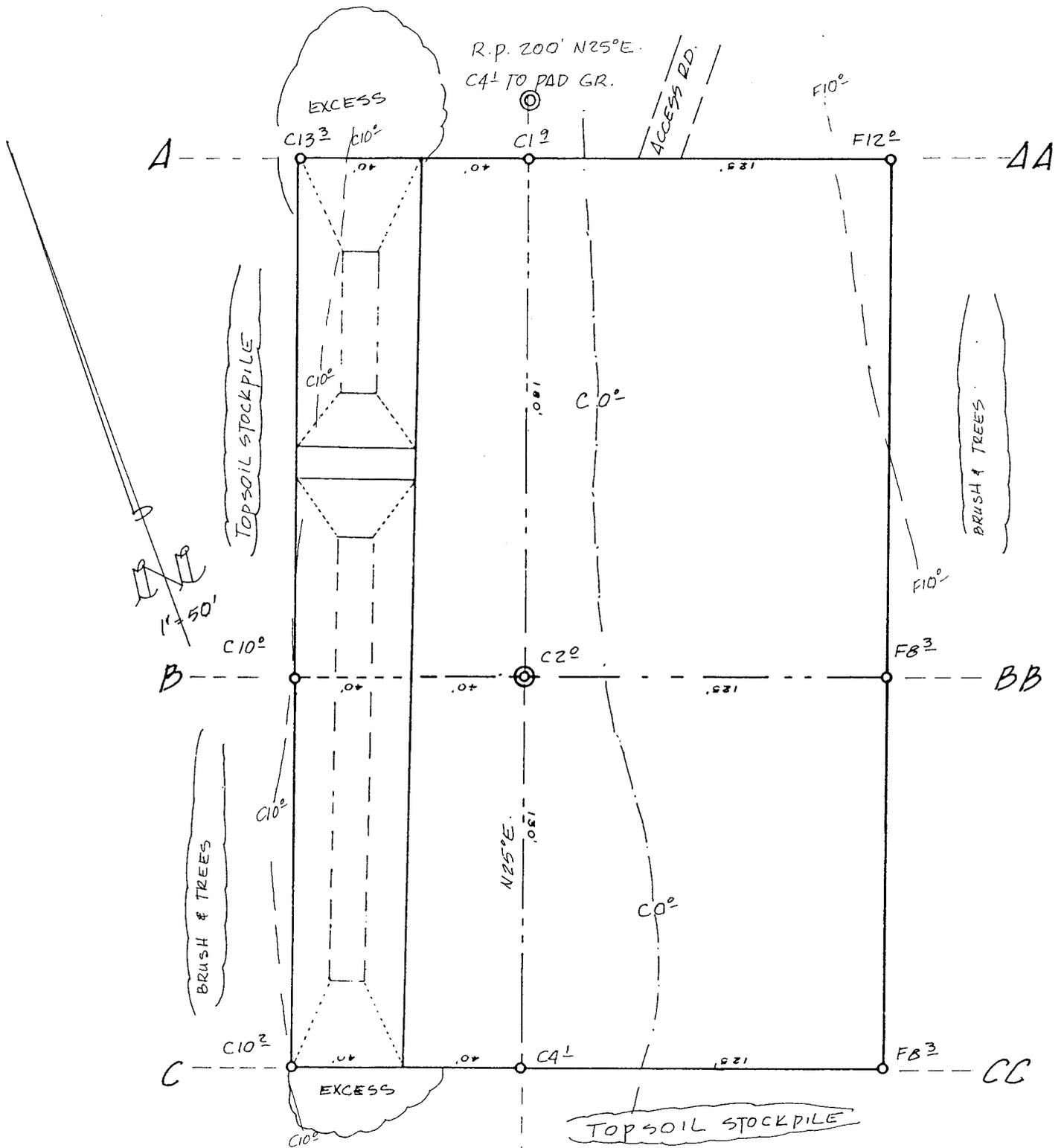
  
James G. Routson  
Petroleum Engineer

SCHEMATIC OF BOP STACK

Interval from 400' to total depth.



PLAT # 2  
PIT & PAD LAYOUT



ESTIMATED C.Y. QUANTITIES

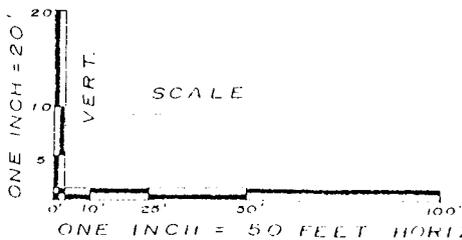
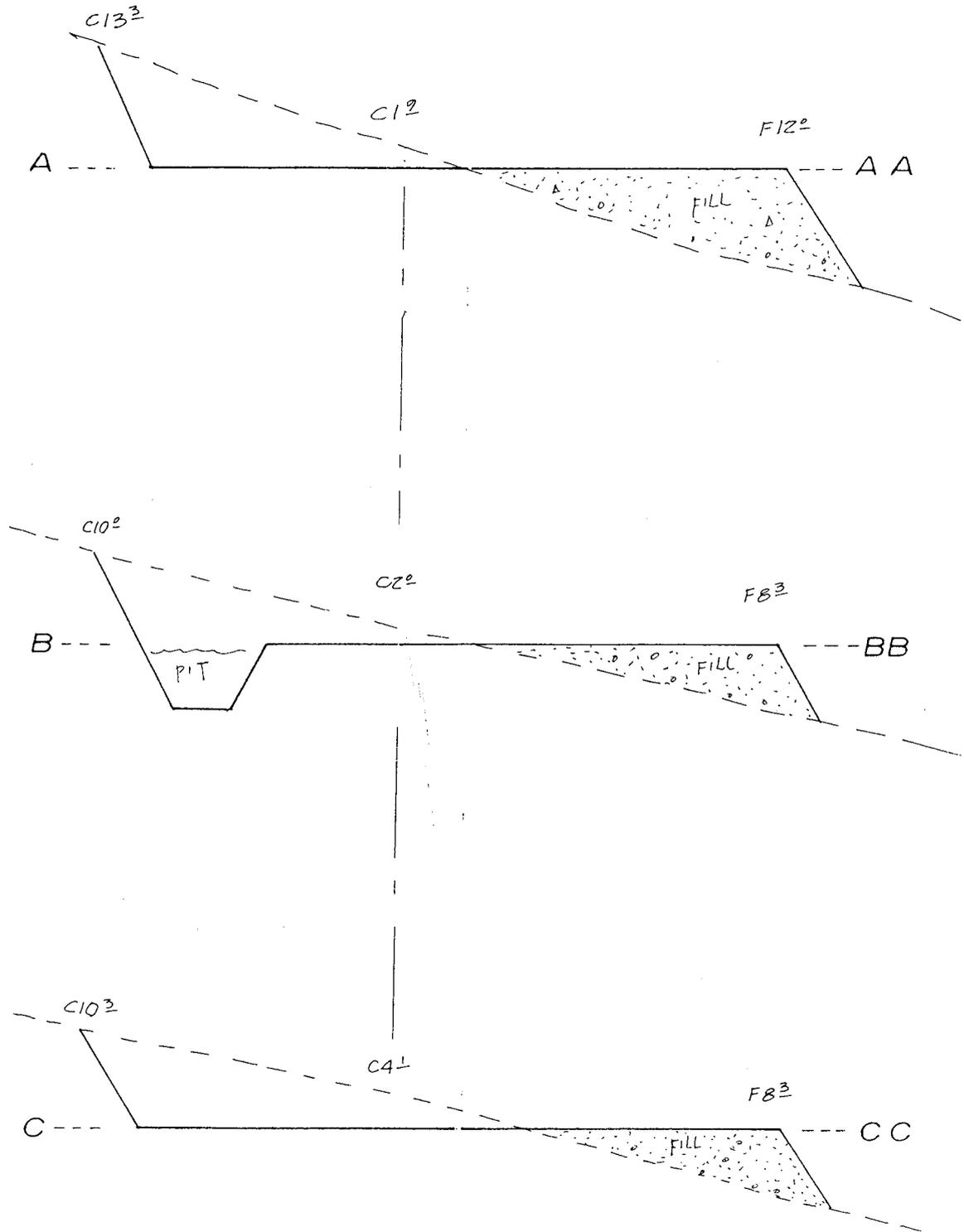
CUT	9860 C.Y.
FILL	5316 C.Y.
TOPSOIL	1177 C.Y.
EXCESS	1611 C.Y.

R.P. 200'  $\odot$  S25°W.  
C3<sup>3</sup> TO PAD GRADE

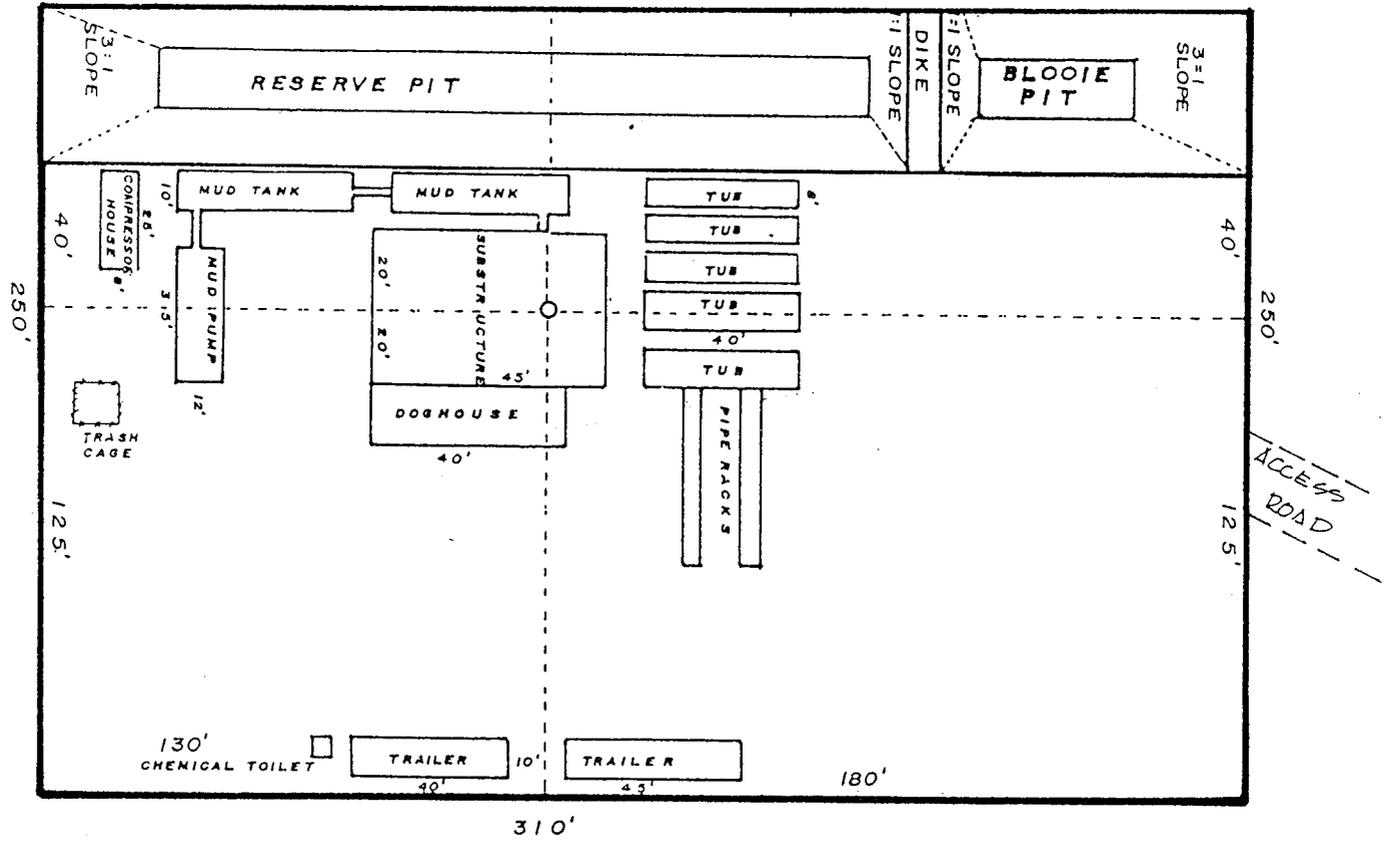
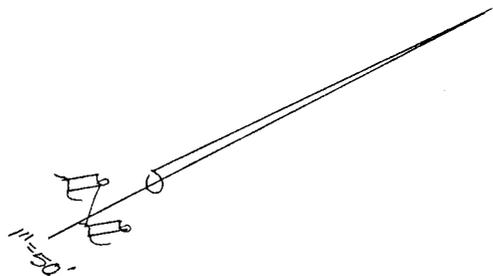
BEARTOOTH OIL & GAS CO.  
BUCK CANYON FED. # 1-13

PLAT # 3

CROSS-SECTIONS  
OF PIT & PAD



BEARFOOTH OIL & GAS CO.  
DUCK CANYON FED. # 1-13

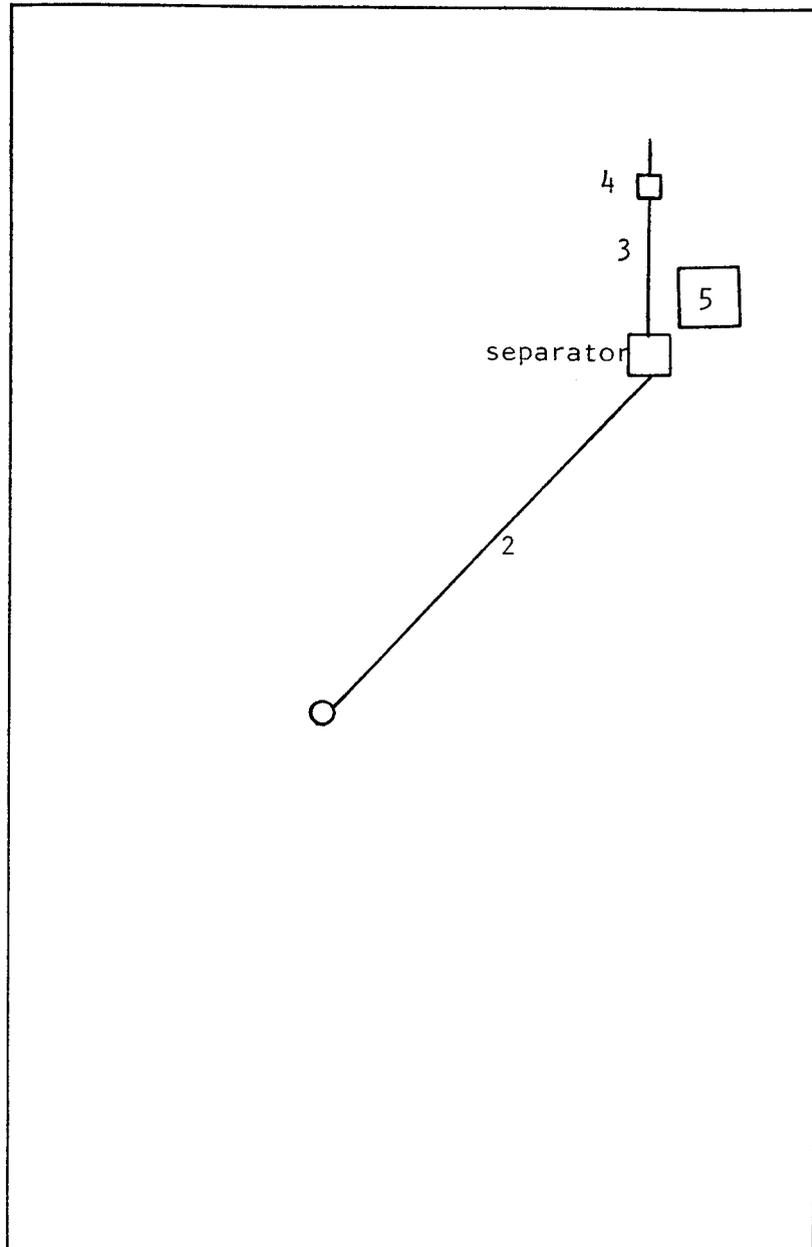
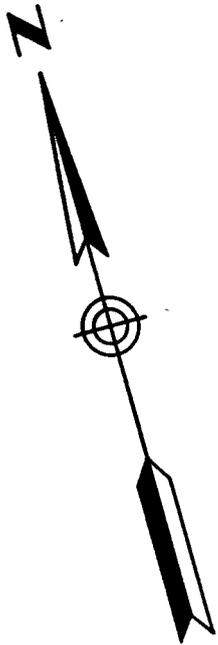


PLAT # 4  
RIG LAYOUT

BEARFOOTH OIL & GAS CO.  
BUCK CANYON FED. # 1-175

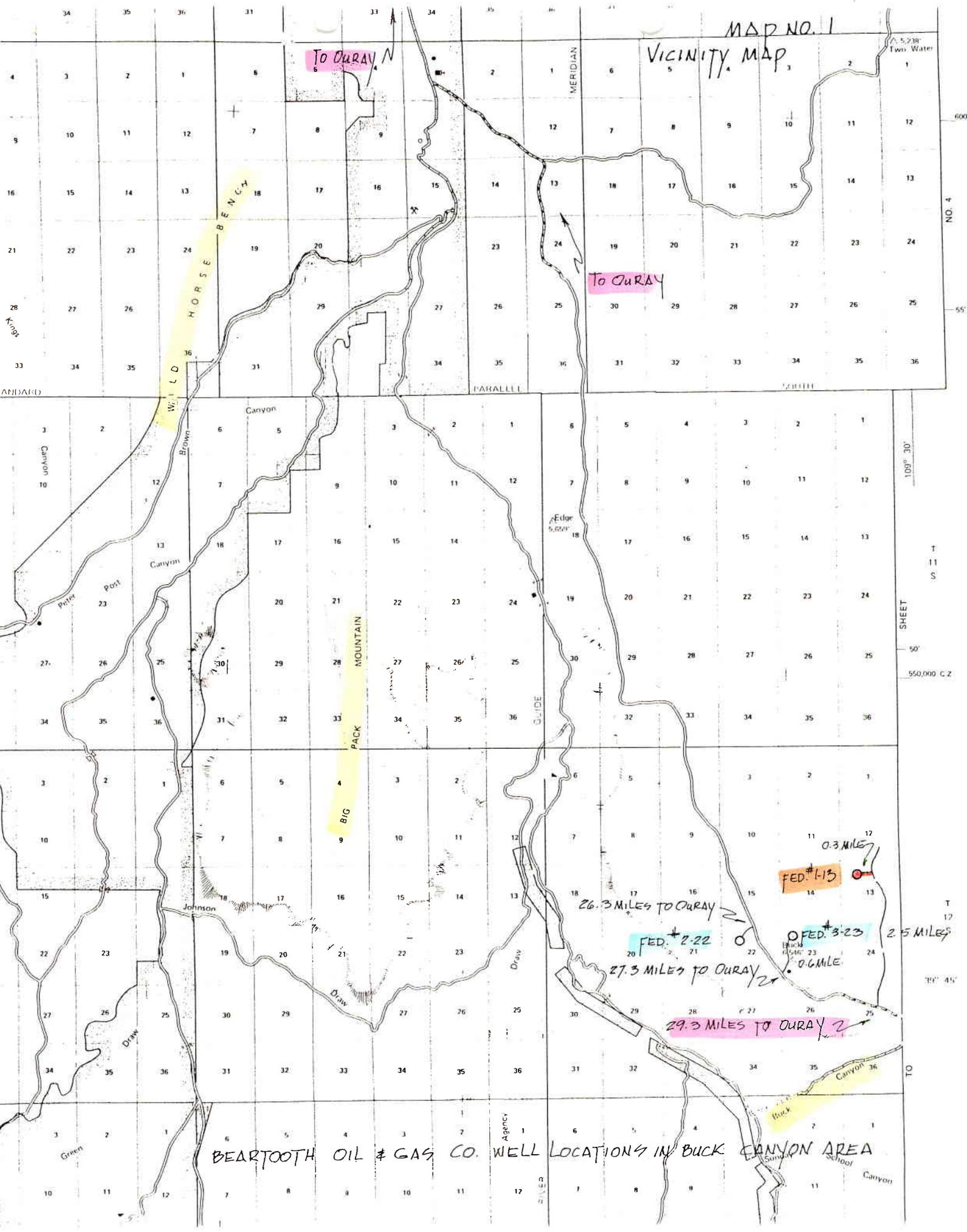
FACILITIES PLAT

PLAT NO. 5



1. Wellhead will be an 8 5/8" x 10" - 900 series with two 3000 psi LP outlets. Tubing head will be 7-1/16" x 4 1/2" - 900 top with two 2" x 3000 psi WP 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 2-3/8" O.D. seamless, welded, coated, wrapped and buried, and will be approximately 25 feet in length.
4. Meter run will be American 2" run, 1000 psi static rating, 100' of water differential rating.
5. Pit, if necessary, will be 10' x 10', enclosed by dikes and fenced.

MAP NO. 1  
VICINITY MAP



BEAR TOOTH OIL & GAS CO. WELL LOCATIONS IN BUCK CANYON AREA

Agency

TO

SHEET

109° 30'

T 11 S

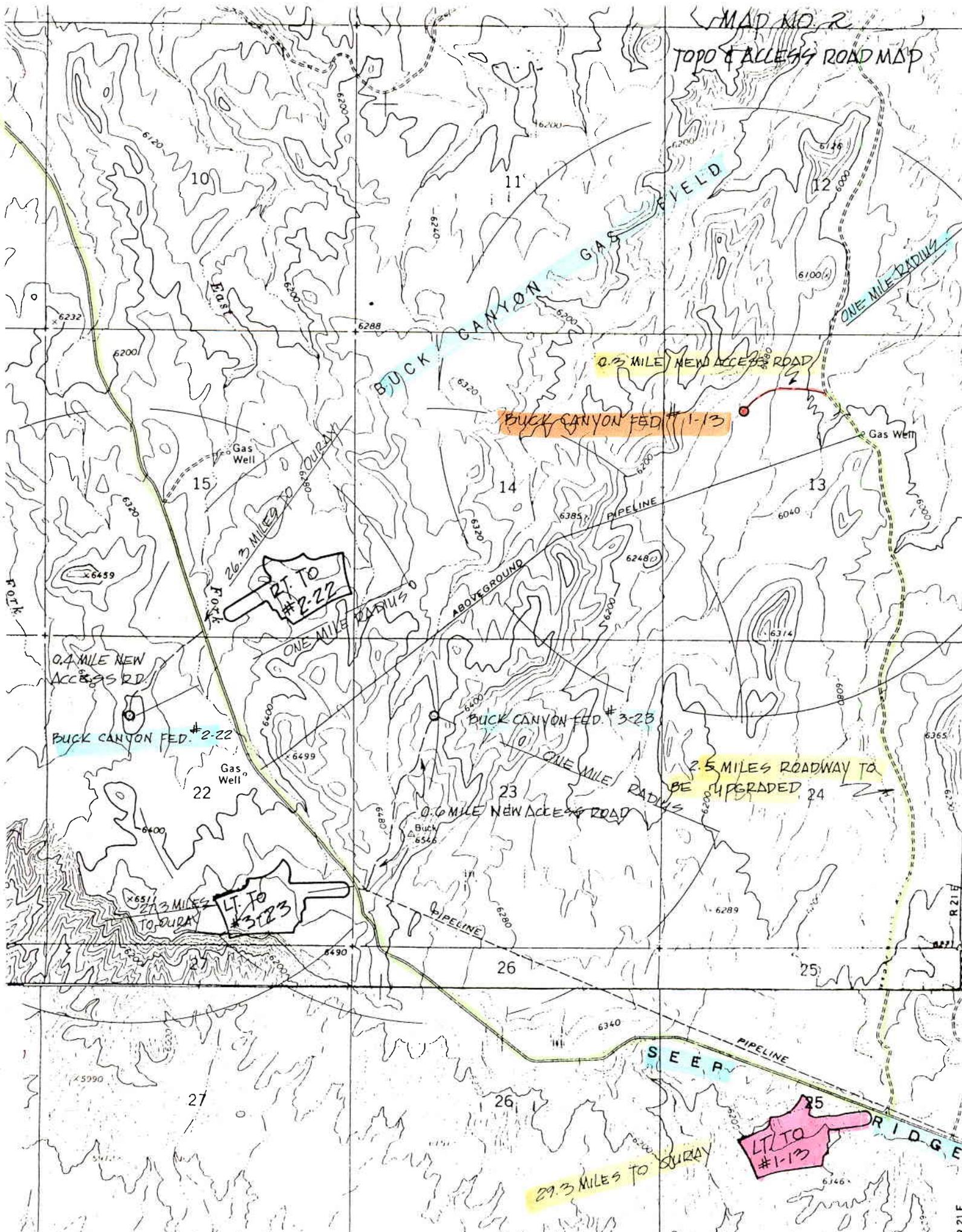
550,000 C.2

39° 45'

NO. 4

600.00

MAP NO. 2  
TOPO & ACCESS ROAD MAP



RT. TO #2-22

BUCK CANYON FED. #1-13

0.3 MILE NEW ACCESS ROAD

LT. TO #3-23

BUCK CANYON FED. #3-23

2.5 MILES ROADWAY TO BE UPGRADED

LT. TO #1-13

29.3 MILES TO SUIRAY

0.4 MILE NEW ACCESS RD.

BUCK CANYON FED. #2-22

0.6 MILE NEW ACCESS ROAD

PIPELINE

SEEP RIDGE

FORK

Gas Well

Gas Well

Gas Well

Buck 6546

10

11

12

15

14

13

23

26

25

27

25

R 219  
R 220

R 21E

WELL MAP

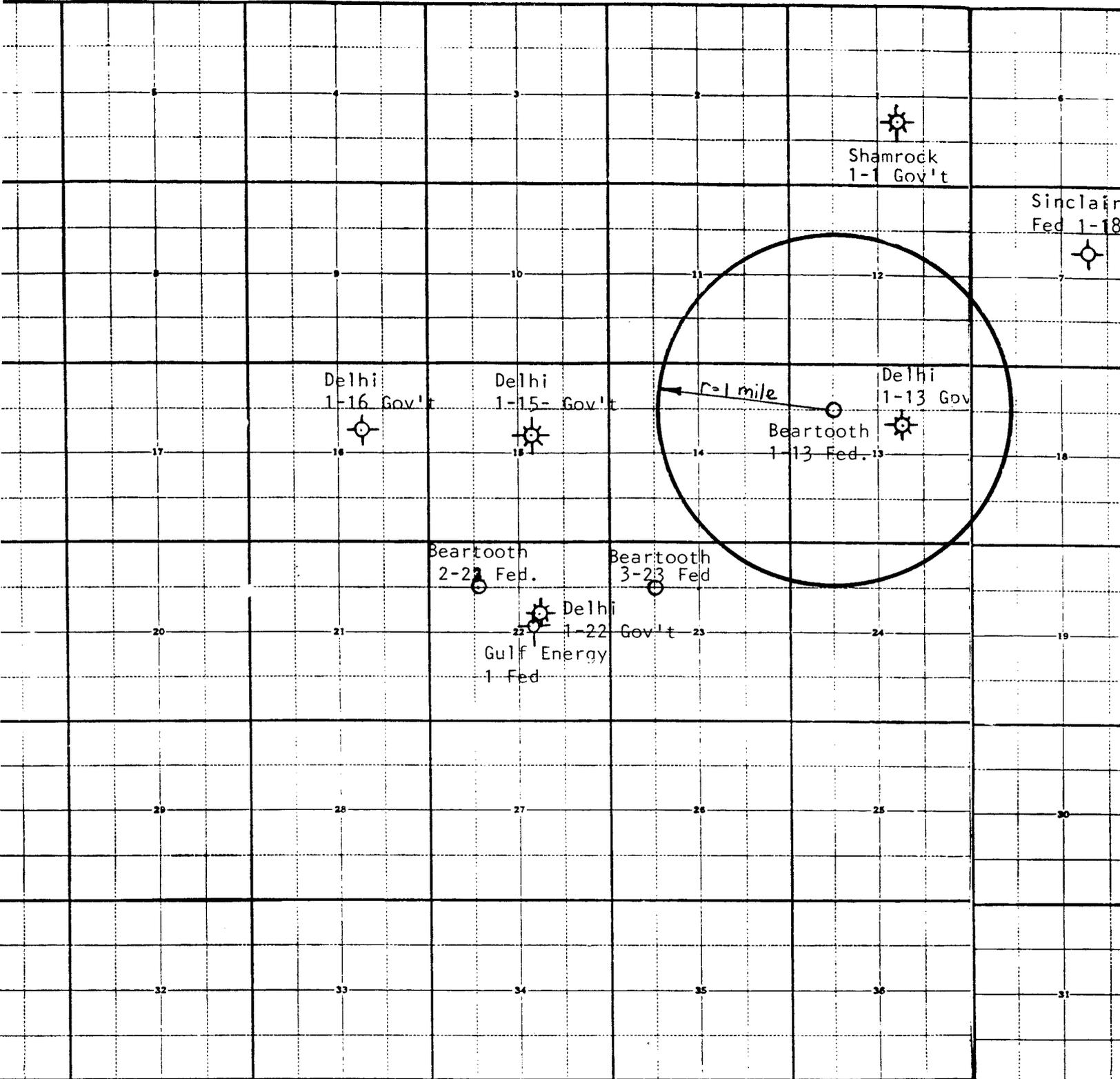
12 South

RANGE 21 East

COUNTY Uintah

STATE Utah

TOWNSHIP 12



OPERATOR Beartooth Oil & Gas Co. DATE 10/29/84

WELL NAME Sec. 1-13

SEC C NW 13 T 12S R 21E COUNTY Frontal

43-047-31568  
API NUMBER

Acad.  
TYPE OF LEASE

POSTING CHECK OFF:

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

PROCESSING COMMENTS:

No other well in Sec. 13.

Need water permit

APPROVAL LETTER:

SPACING:  A-3 \_\_\_\_\_ UNIT  c-3-a 119-1 2/17/64  
CAUSE NO. & DATE

c-3-b  c-3-c

SPECIAL LANGUAGE: STIPULATIONS

1- Water

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.



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

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

November 1, 1984

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

Gentlemen:

Re: Well No. Federal #1-13 - C NW Sec. 13, T. 12S, R. 21E  
1320' FNL, 1320' FWL - Uintah County, Utah

Approval to drill the above referenced gas well is hereby granted in accordance with Order of Cause No. 119-1 dated February 17, 1966 subject to the following stipulations:

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

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

1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 533-5771, (Home) 298-7695 or R. J. Firth, Associate Director, (Home) 571-6068.

Page 2  
Beartooth Oil & Gas Company  
Well No. Federal #1-13  
November 1, 1984

4. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-047-31568.

Sincerely,



R. G. Firth  
Associate Director, Oil & Gas

as  
Enclosures  
cc: Branch of Fluid Minerals

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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: 1320' FNL, 1320' FWL, Section 13  
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 27 miles south of Ouray, Utah

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)      1320'

16. NO. OF ACRES IN LEASE      320

17. NO. OF ACRES ASSIGNED TO THIS WELL      160

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.      2166'

19. PROPOSED DEPTH      6283'

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 6072' GL, 6083' KB

22. APPROX. DATE WORK WILL START\*  
 December 1, 1984

5. LEASE DESIGNATION AND SERIAL NO.  
 U-5103L 51029

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
 Federal

9. WELL NO.  
 1-13

10. FIELD AND POOL, OR WILDCAT  
 Buck Canyon

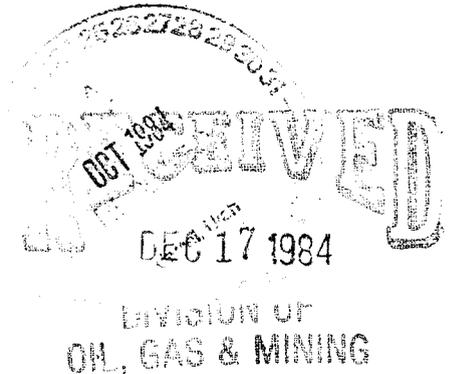
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 C NW $\frac{1}{4}$  Sec. 13-T12S-R21E

12. COUNTY OR PARISH      13. STATE  
 Uintah      Utah

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8" new	24#, J-55	400'	300 sx "C", 3% CaCl <sub>2</sub> , 1/4# cellofla
7-7/8"	4-1/2" new	11.6# N-80	6283'	400 sx RFC, 375 sx Hi-Fill

See attached BLM format for 8 Point Plan



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

24. SIGNED James G. Routson TITLE Petroleum Engineer DATE 10/18/84  
 James G. Routson

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY [Signature] TITLE \_\_\_\_\_ DATE 12/14/84  
 CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

\*See Instructions On Reverse Side

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company Beartooth Oil & Gas Company Well No. Federal No. 1-13

Location Sec. 13 T12S R21E Lease No. U-51031

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

A. DRILLING PROGRAM

1. Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.
2. In accordance with API RP53, 3000 psi working pressure BOP stacks will include an annular bag-type preventer and a fill-up line. Prior to drilling out the surface casing shoe, the ram-type preventers will be tested to 2000 psi, and the annular type preventer will be tested to 1500 psi.
3. BOP choke manifold systems will be consistent with API RP 53.

B. THIRTEEN POINT SURFACE USE PLAN

Plans for Restoration of Surface:

The Bookcliffs Resource Area BLM recommends the following seed mixture be used for reclamation activities at this location:

Same mixture is recommended for each of the three location wells; 1-13, 2-22, and 3-23 proposed by Beartooth Oil and Gas Company.

Smooth Brome Grass	2 lb/acre
Western Wheatgrass	2 lb/acre
Intermediate Wheatgrass	2 lb/acre
Yellow Sweetclover	2 lb/acre
Fourwing Saltbush	2 lb/acre

**Bureau of Land Management  
Vernal District Office  
170 South 500 East  
Vernal, Utah 84078**

3162.35  
U-820  
U-51029

January 15, 1986

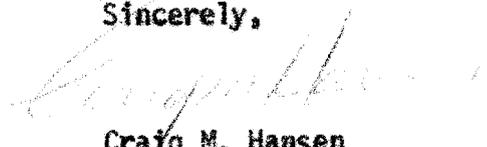
**Beartooth Oil & Gas Company  
P. O. Box 2564  
Billings, Montana 59103**

**RE: Rescind Application for Permit to Drill  
Well No. 1-13  
Section 13, T12S, R21E  
Uintah County, Utah  
Lease No. U-51029**

The Application for Permit to Drill the referenced well was approved on December 14, 1984. Since that date, no known activity has transpired at the approved location. Under current District policy, Applications for Permit to Drill are effective for a period of one year. In view of the foregoing, this office is rescinding the approval of the referenced application without prejudice. If you intend to drill at this location at a future date, a new Application for Permit to Drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made for this drill site. Any surface disturbance associated with the approved location of this well is to be rehabilitated. A schedule for this rehabilitation must be submitted to this office. Your cooperation in this matter is appreciated.

Sincerely,

  
Craig M. Hansen  
ADM for Minerals

mh

bcc: State Div. O G & M  
well file  
U-922/943



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Norman H. Bangerter, Governor  
Dee C. Hansen, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

January 20, 1986

Bureau of Land Management  
Branch of Fluid Minerals  
P O Box 970  
Moab, Utah 84532

Attention: Ms. Carol Fruediger

Dear Carol:

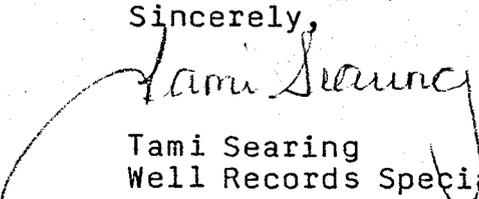
Re: Well No. Federal #1-13 - Sec. 13, T. 12S, R. 21E  
Uintah County, Utah - Lease No. U51029  
Operator of Record: Beartooth Oil & Gas Corp.

The above referenced well in your district was given federal approval to drill December 14, 1984. This office has not received notification of any activity on this location.

Please let me know what action, if any, the Bureau of Land Management is taking on this well.

Thank you for your help in keeping our records up to date.

Sincerely,

  
Tami Searing  
Well Records Specialist

cc: Dianne R. Nielson  
Ronald J. Firth  
John R. Baza  
File

0320/58



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Norman H. Bangerter, Governor  
Dee C. Hansen, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

January 22, 1986

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

Gentlemen:

Re: Well No. Federal #1-13 - Sec. 13, T. 12S, R. 21E  
Uintah County, Utah - API #43-047-31568

In concert with action taken by the Bureau of Land Management, January 15, 1986, approval to drill the above referenced well is hereby rescinded.

A new "Application for Permit to Drill" must be filed with this office, for approval, prior to future drilling of the subject location.

Sincerely,

A handwritten signature in cursive script that reads "John R. Baza".

John R. Baza  
Petroleum Engineer

ts  
cc: Dianne R. Nielson  
Ronald J. Firth  
File

0320/75



# United States Department of the Interior

BUREAU OF LAND MANAGEMENT  
VERNAL DISTRICT OFFICE  
170 South 500 East  
Vernal, Utah 84078

RECEIVED

FEB - 3 1986

IN REPLY  
REFER TO:

3162  
U-820

DIVISION OF OIL  
GAS & MINING

January 30, 1986

State of Utah  
Division of Oil, Gas and Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

Attention: Ms Tami Searing

RE: Requests on Status of Wells

The requests for status on the following wells were sent to the Moab District Office. You might want to change your records as these are located in the Vernal District.

<u>Referenced Well</u>	<u>Status</u>
1. Beartooth Oil & Gas Co. Well No. Fed. 3-23 Sec. 23, T12S, R21E Lease No. U-51033	Rescinded 1/15/86. Copy sent to your office.
2. Beartooth Oil & Gas Co. Well No. Fed. 2-22 Sec. 22, T12S, R21E Lease No. U-51032	Rescinded 1/15/86. Copy sent to your office.
3. Beartooth Oil & Gas Co. Well No. Fed. 1-13 Sec. 13, T12S, R21E Lease No. U-51029	Rescinded 1/15/86. Copy sent to your office.
4. Lomax Exploration Co. Well No. Antelope Canyon Fed. 4-23 Sec. 23, T9S, R15E Lease No. U-42449	Rescinded 1/15/86. Copy sent to your office.
5. Lomax Exploration Co. Well No. S.C. Ute Tribal 9-4 Sec. 4, T5S, R4W Lease No. 14-20-H62-3524	Rescinded 12/16/85. Copy sent to your office.

6. Lomax Exploration Co.  
Well No. T.C. Ute Tribal 4-14  
Sec. 14, T5S, R5W  
Lease No. 14-20-H62-3423

This application does not  
expire until 2/11/86.

7. Lomax Exploration Co.  
Well No. W.Pariette Fed. 6-19  
Sec. 19, T8S, R18E  
Lease No. U-36846

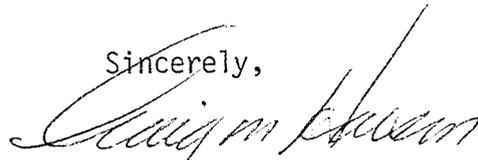
Extension request is in  
the mail.

8. Lomax Exploration Co.  
Well No. Coyote Ute Tribal 16-8  
Sec. 8, T4S, R4W  
Lease No. I-109-IND-5351

Extension request is in  
the mail.

If you have any questions, please contact Margie Herrmann at the Vernal  
District Office (801) 789-1362.

Sincerely,



Craig M. Hansen  
ADM for Minerals