

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: 2528' FSL, 2019' FWL
 At proposed prod. zone: same

5. LEASE DESIGNATION AND SERIAL NO.
 U-683

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
 Winter Camp ✓

8. FARM OR LEASE NAME
 Federal

9. WELL NO.
 Hancock Federal No. 4-11

10. FIELD AND POOL, OR WILDCAT
 State line UNDESIGNATED

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

12. COUNTY OR PARISH
 Grand ✓

13. STATE
 Utah

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 20 miles northwest of Mack, Colorado

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
 112'

16. NO. OF ACRES IN LEASE
 280

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.
 3327'

19. PROPOSED DEPTH
 4935'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5798' GL, 5809' KB

22. APPROX. DATE WORK WILL START*
 December 6, 1982

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	32.3# H-40 STC	200'	150 sacks Class "G"
8-3/4"	7" New	20# K-55 STC	800'	150 sacks 50-50 pozmix
6-1/4"	4 1/2" New	11.6# K-55 LTC	4935'	175 sacks RFC

- Surface formation is the Mesaverde.
 - Anticipated geologic markers are: Frontier 3885', Dakota 4260', Morrison 4429', Salt Wash 4835'.
 - Gas is anticipated in the 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" will not be run unless water is encountered.
 - Pressure control equipment: See attached well control plan and schematic of drilling contractor's BOP stack. BOP's will be tested before drilling out from under surface and intermediate casing and checked daily.
 - Air or mist drilling will be used to drill the surface hole unless water is encountered. If water is encountered, chemical-gel type mud will be used. The well will be air drilled from under surface casing to total depth.
- (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. Roulson TITLE Petroleum Engineer DATE 10/15/82
 James G. Roulson

PERMIT NO. _____

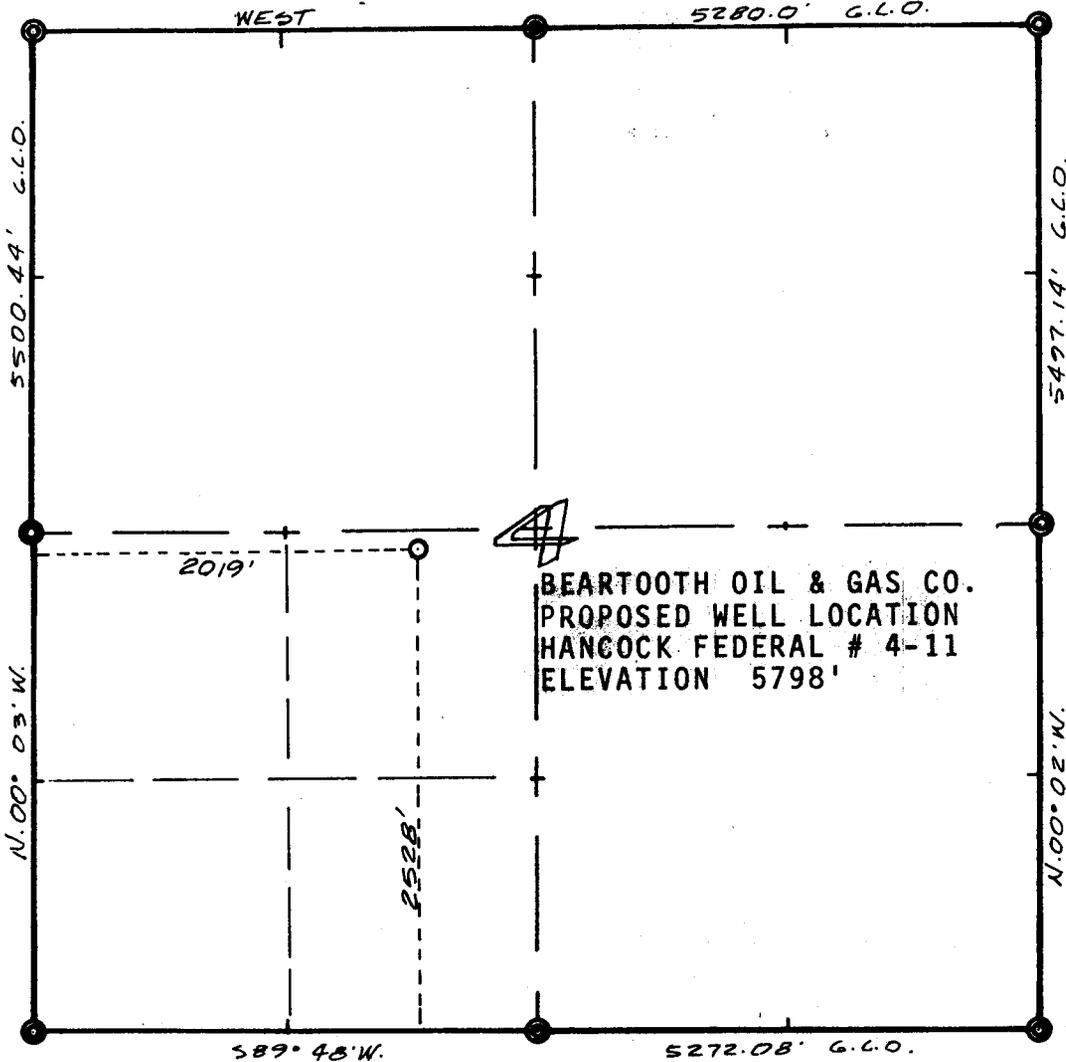
APPROVED BY _____ TITLE _____
 CONDITIONS OF APPROVAL, IF ANY: _____

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

DATE: 10-19-82
 BY: [Signature]

SEC. 4, T. 17 S., R. 25 E. OF THE S.L.M. P.M.

PLAT # 1



SCALE

LEGEND

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

REFERENCE DOCUMENTS

1926 G.L.O. PLAT
BRYSON CANYON, UTAH
QUADRANGLE, USGS

THIS WELL LOCATION PLAT WAS PREPARED FOR BEARTOOTH OIL & GAS CO.
 AS REQUESTED BY KEN CURREY, TO LOCATE THE
HANCOCK FEDERAL # 4-11, 2528' E.S.L. & 2019' E.W.L.,
 IN THE NE 1/4 SW 1/4, OF SECTION 4, T. 17 S., R. 25 E. OF THE S.L.M. P.M.
GRAND COUNTY, UTAH



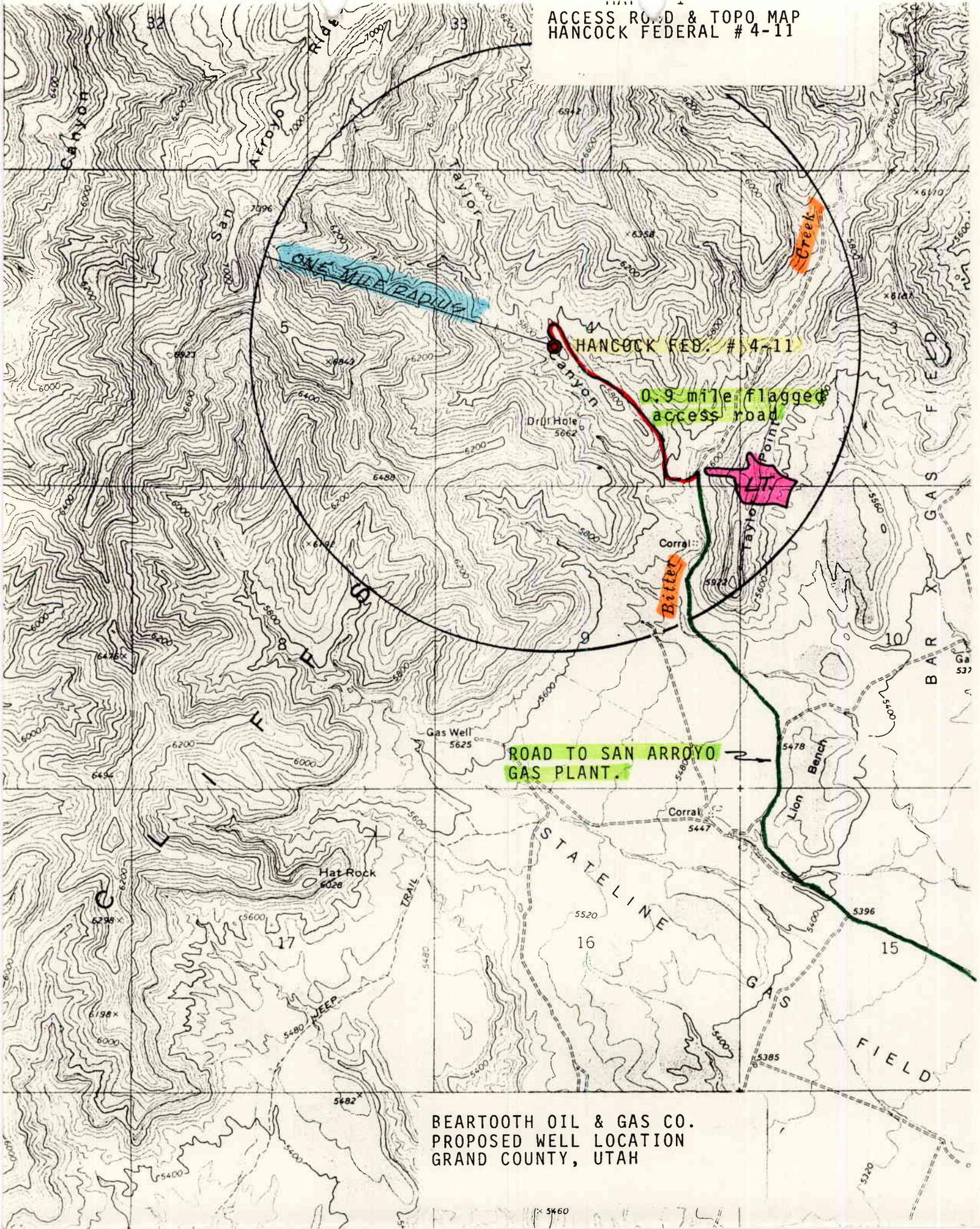
SURVEYOR'S CERTIFICATE

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

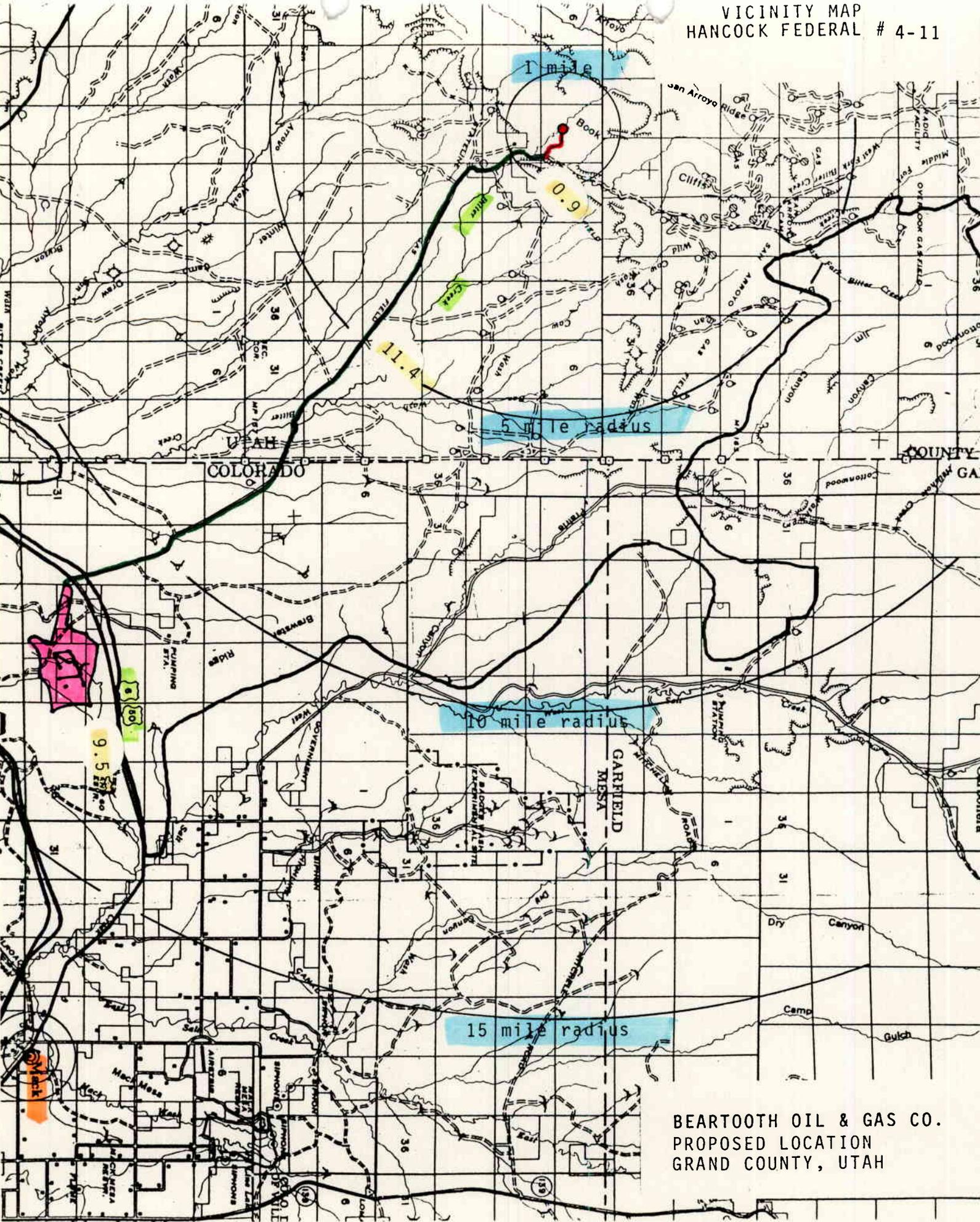
Larry D. Becker
 UTAH L.S. NO. 4189

SURVEYED	10-11-82	ENERGY SURVEYS & ENGINEERING CORP.	1156 BOOKCLIFF AVE. NO 4 GRAND JUNCTION, CO. 81501 505 848-7221	SCALE	1" = 1000'
DRAWN	10-13-82			JOB NO.	
CHECKED	10-13-82			SHEET	OF

ACCESS ROAD & TOPO MAP
HANCOCK FEDERAL # 4-11



BEARTOOTH OIL & GAS CO.
PROPOSED WELL LOCATION
GRAND COUNTY, UTAH



BEARTOOTH OIL & GAS CO.
PROPOSED LOCATION
GRAND COUNTY, UTAH

Beartooth Oil & Gas Company
Well No. 4-11
Section 4, T.17S., R.25E.
Grand County, Utah
Winter Camp Unit
Lease U-683

Supplemental Stipulations

CONSTRUCTION:

- 1) Due to the sensitive nature of this location, a post construction/pre-spud inspection will be required to examine access and pit construction (a 48 hour notice will be given).
- 2) The dirt contractor will be furnished with an approved copy of the surface use plan and any additional BLM stipulations prior to any work.
- 3) Use of water from sources such as wells, springs, streams, or stock ponds for activities associated with this well will be approved, prior to use, by the agency or individual holding the water right.
- 4) If subsurface cultural material is exposed during construction, work in that spot will stop immediately and the Grand Resource Area Office will be contacted. Salvage or excavation of identified archaeological sites will only be done if damage occurs.
- 5) Improvement to the existing road will not be necessary. The total disturbed width allowed will be as is. The allowable travel surface will be as is. Adequate maintenance will be done to insure drainage control. This will include but not be limited to ditch and crown design and drainage dips.

New road construction on lease U-683 will be limited to an allowable travel surface width of 18 feet. For construction design and survey refer to class II road standards.

Trees and vegetation will be windrowed on uphill side of access.

- 6) Location: Reduce length by 30 feet on south side.
- 7) The top six inches of soil material will be removed from the location and stockpiled/windrowed separate from the trees and vegetation on the south side of the location.

Trees and vegetation will be: stockpiled on north end.

- 8) The reserve pit will be located on the east side of the location and will be lined with plastic (20 mil or heavier) sufficient to prevent seepage if agreed upon during the pre-spud inspection. Keyway the pit. The reserve pit banks will be 1.5 to 2.0 feet above pad and constructed in 8" lifts, machinery compacted, and sufficiently wide for equipment to pass over.

- 9) Three sides of the reserve pit will be fenced before drilling starts. The fourth side will be fenced as soon as the drilling is completed. The fence will be kept in good repair while the pit is drying. The fence will be 36 inch woven wire plus one strand of barbed wire for support.

- 10) 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.

PRODUCTION

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

REHABILITATION

1. Immediately upon completion of drilling, the location and surrounding area will be cleared of all debris resulting from the operation. All trash will be disposed of in the portable trash cage and will be hauled to a local town dump site. Do not leave any trash in pits.
2. The operator or his contractor will contact the Grand Resource Area BLM office in Moab, Utah, phone (801) 259-8193, 48 hours prior to starting rehabilitation work that involves earthmoving equipment and upon completion of restoration measures.
3. Before any dirt work to restore the location takes place, the reserve pit will be completely dry and any trash (barrels, metal etc.) it contains will be removed from public lands.
4. All disturbed areas will be recontoured to blend as nearly as possible with the surrounding area.
5. The stockpiled/windrowed topsoil will be evenly distributed over the disturbed area.
6. All disturbed areas will be scarified with the contour to a depth of 10 inches. Do not smooth pads out, leave a roughened surface.
7. Seed will be broadcast/drilled at a time to be specified by the BLM with the following seed prescription. When broadcast seeding, a harrow or some such implement will be dragged over the seeded area to assure seed cover.
8. After seeding is complete the stockpiled trees and vegetation will be scattered evenly over the disturbed areas and walked down with a dozer. The access will be blocked to prevent any use/vehicle use.
9. Waterbars will be used as needed on all sloping surfaces as shown below:

<u>Grade</u>	<u>Spacing</u>
2%	200 ft. spacing
2-4%	100 ft. spacing
4-5%	75 ft. spacing
+5%	50 ft. spacing



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

SUGGESTED COLORS TO PAINT OIL & GAS PRODUCTION FACILITIES

Cisco Desert and Flats below the Bookcliffs:

Dynasty Green	(Sears)
Tumbleweed	(Pratt & Lambert)
Sage Gray	(Pratt & Lambert)

Bookcliffs Region:

Sage Gray	(Pratt & Lambert)
Sea Life	(Pratt & Lambert)
Dynasty Green	(Sears)

Similar hues other than the ones mentioned above must be approved by the Grand Resource Area Manager.

SEED MIXTURE

<u>Species</u>		<u>Rate</u> <u>lbs/acre</u>
<u>Grasses</u>		
Elymus salinus	Salina wildrye	1
Hilaria jamesii	Galleta (Curlygrass)	1
Oryzopsis hymenoides	Indian ricegrass	1
<u>Forbs</u>		
Helianthus annuus	Common sunflower (Kansas sunflower)	.5
Melilotus officinalis	Yellow sweetclover	.5
Sphaeralcea coccinea	Scarlet globemallow	.5
<u>Shrubs</u>		
Atriplex canescens	Fourwing saltbush (White greasewood)	1
Eurotia lanata	Winterfat (Whitesage)	<u>1.5</u>
	Total	7

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 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.

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

Hancock Federal #4-11
NE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 4-T17S-R25E
Grand County, Utah

1. Existing Roads - a legible map showing:

- A. Proposed well site as staked. (Actual staking should include two each 200-foot directional reference stakes.): See Survey Plat #1
- B. Route and distance from nearest town or locatable reference point to where well access route leaves main road: This wellsite is about 20 miles northwest of Mack, Colorado and is reached by going 9.5 miles west of Mack on Old Highway 6 & 50, then turn right (north) and go 11.4 miles up the San Arroyo Gas Plant road, then turn left onto the beginning of the 0.9 miles of planned access road.
- C. Access road(s) to location color-coded or labeled: Existing road is colored green; new road is colored red.
- D. If exploratory well, all existing roads within a 3-mile radius (including type of surface, conditions, etc.): N/A
- E. If development well, all existing roads within a 1-mile radius of wellsite: All existing roads are shown on Map #1
- F. Plans for improvement and/or maintenance of existing roads: Existing road is claimed by Grand County, Utah. Occasional blading is done by producing and pipeline companies in the area.

2. Planned Access Roads See Map #1

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

- (1) Width & Disturbance: The 0.9 mile of new road will be constructed with an 18' running surface and a disturbed width varying from 35 to 80 feet. All trees will be windrowed above the road area.
- (2) Maximum grades: The maximum grade will be 10% for a short pitch grade; the average grade will not exceed 8%
- (3) Turnouts: Turnouts will be constructed so that they are intervisible.
- (4) Drainage design: Natural drainage; road will follow contour of the land. All road constructed on side slopes will be insloped 2%, ditched and have water dips for drainage.
- (5) Location and size of culverts and brief description of any major cuts and fills: The largest cut slope will be approximately 20 feet. One major low water crossing will be reconstructed.
- (6) Surfacing material: Native material only; no material will be brought in.
- (7) Necessary gates, cattleguards, or fence cuts: No fences are crossed by this road.
- (8) New or reconstructed roads are to be center-line flagged at time of location staking: The road is flagged.

3. Location of Existing Wells

Two-mile radius map if exploratory, or 1-mile radius map if development well showing and identifying existing (see Well Map No. 2)

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

4. Location of Existing and/or Proposed Facilities

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

- 1. Tank batteries: None
- 2. Production facilities: Separators and meter runs @ gas wells shown on Map No. 2
- (3) Oil gathering lines: None
- (4) Gas gathering lines: See pipeline map.
- (5) Injection lines: None
- (6) Disposal lines: None

(Indicate if any of the above lines are buried.)

B. If new facilities are contemplated, in the event of production, show:

- (1) Proposed location and attendant lines by flagging if off of well pad:
All proposed facilities will be on the pad.
- (2) Dimensions of facilities: See Plat No. 4. Separator 5' x 10', meter run 5' x 8', on drillsite pad and painted green to blend with the environment.
- (3) Construction methods and materials: No materials necessary. All lines will be coated, wrapped, and buried. See Plat No. 4.
- (4) Protective measures and devices to protect livestock and wildlife:
A 10' x 10' water pit within 50' of the separator will be fenced. A metal guard or fiberglass shelter will be around the wellhead.

4. Location of Existing and/or Proposed Facilities (Continued)

C. Plan for rehabilitation of disturbed areas no longer needed for operations after construction is completed: Upon completion of the drilling of this well, all pits will be backfilled and top soil replaced and re-contoured back to original terrain. Upon abandonment, all disturbed areas, including the location and access road, will be re-contoured, ripped or scarified as needed, and re-vegetated using a seed formula as specified by the BLM. Seeding will be done in the fall.

5. Location and Type of Water Supply

A. Show location and type of water supply either on map or by written description: The water source for this well is West Salt Creek; the pick up point is 2 miles west of Mack, Colorado.

B. State method of transporting water and show any roads or pipelines needed: Water will be transported by truck over the existing roadways and proposed access.

C. If water well is to be drilled on lease, so state. (No APD for water well is necessary, however, unless it will penetrate potential hydrocarbon horizons): No water well is to be drilled.

6. Source of Construction Materials

A. Show information either on map or by written description: No construction materials will be used other than native materials.

B. Identify if from Federal or Indian land: Not applicable.

C. Describe where materials, such as sand, gravel, stone, and soil material are to be obtained and used: Soil from cuts will be used for fills. No outside material will be brought in.

D. Show any needed access roads crossing Federal or Indian lands under Item 2:

7. Methods for Handling Waste Disposal

Describe methods and location of proposed containment and disposal of waste material, including:

(1) Cuttings: Cuttings will be buried in the reserve pit.

(2) Drilling fluids: Drilling fluids will be handled in the reserve pit and left to evaporate.

(3) Produced fluids (oil, water): Any fluids produced during drilling test or while making production test will be collected in a test tank. If a test tank is not available during drilling, fluids will be handled in reserve pit. Any spills of oil, gas, salt water or other noxious fluids will be cleaned up and removed. If well is productive, produced water will be disposed of onsite for 30 days only, or 90 days with permission of District Supervisor. After that time, application will be made for approval of permanent disposal method in compliance with 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
There is only a minimal amount of topsoil on this wellsite.
- (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 saddle on a broad ridge top. The soils are shallow and rocky. Vegetation is juniper forest with a sparse understory. Rabbits, coyotes and lizards are the noticable wildlife species.
- (2) Other surface use activities and surface ownership of all involved lands: The area provides limited wildlife forage.
- (3) Proximity of water, occupied dwellings, archeological, historical or cultural sites: The nearest occupied dwelling is the San Arroyo Gas Plant about 4 miles north of the wellsite. The nearest live water is the Colorado River.
A cultural resource survey has been done and the report is filed with the BLM in Moab, Utah.

12. Lessee's or Operator's Representative

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

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

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

13: Certification

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

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

10/15/82
Date

Kenneth A. Currey

WELL CONTROL PLAN

1. Surface Casing: 9-5/8" O.D., 32.3 #/ft., Grade H-40, Short T&C, set at 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 800' 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 1000 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 800 psi at 4935' or a gradient of .16 psi/ft or less. No abnormal temperatures or hydrogen sulfide gas are anticipated.

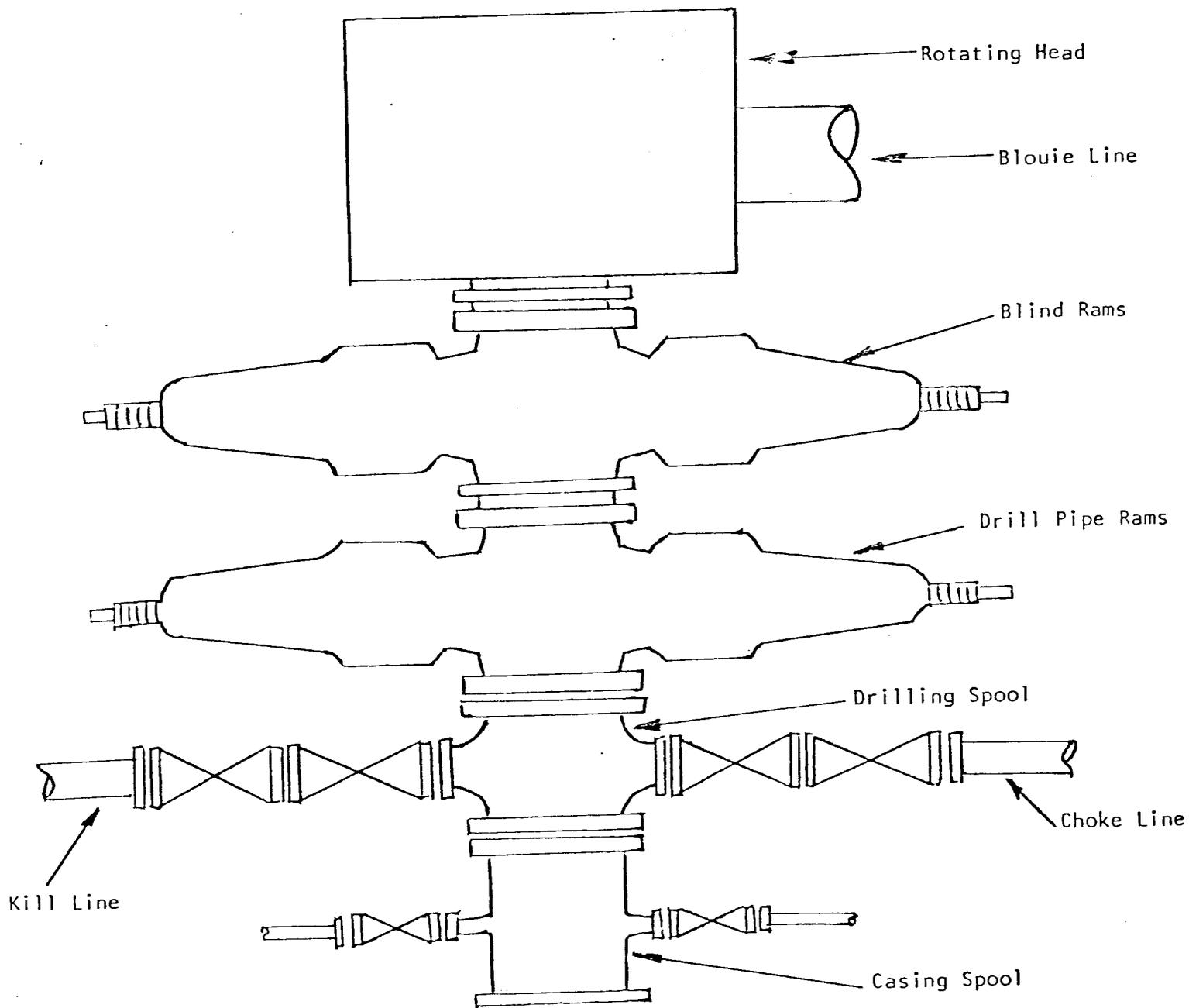
BEARTOOTH OIL & GAS COMPANY

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

SCHEMATIC OF BOP STACK

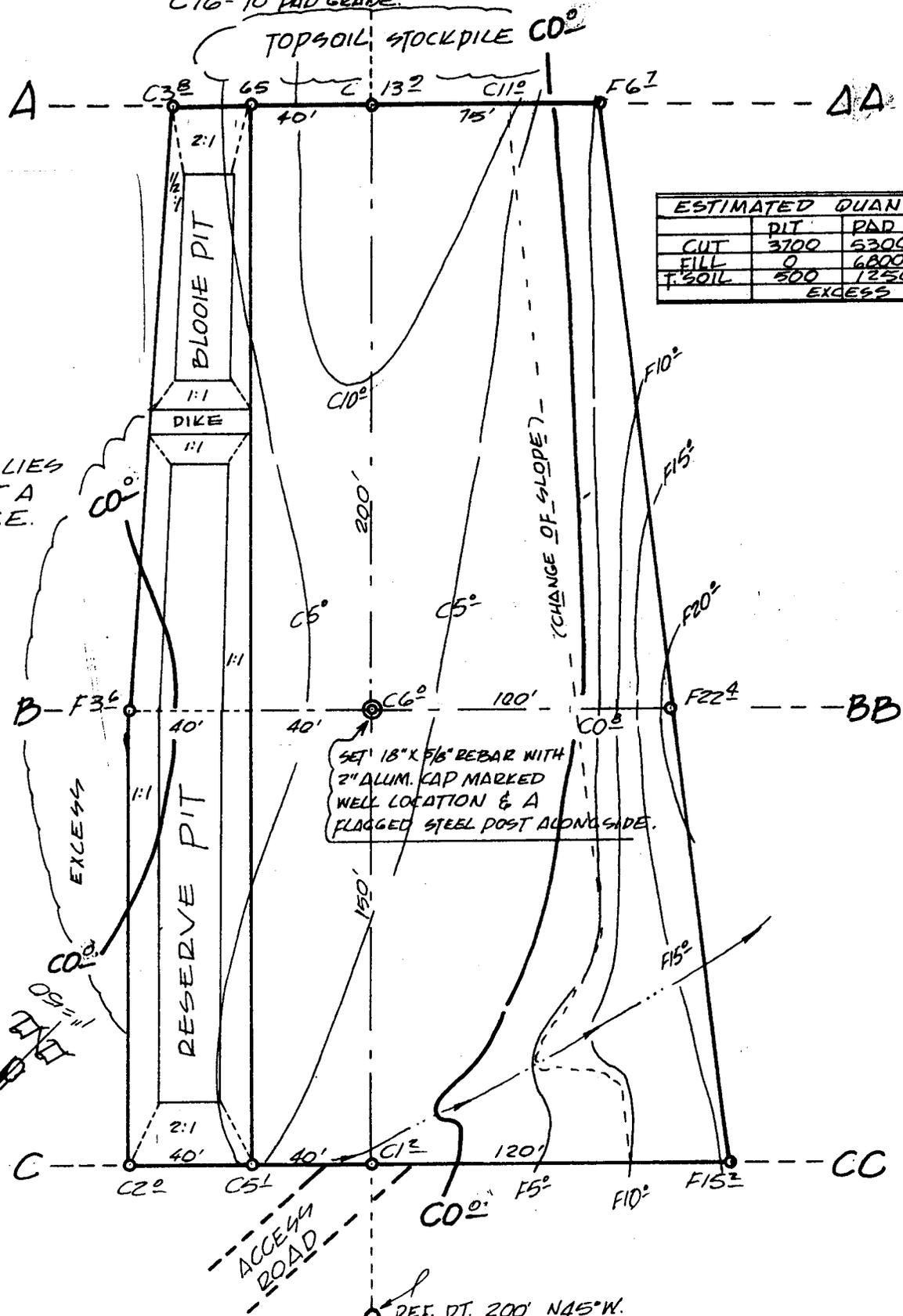
Air drilled wells using 900 series wellhead equipment.

Interval from 300' to total depth.



PLAT #2 PIT & PAD LAYOUT

REF. PT. 250' $\angle 45^\circ E.$
 SET REBAR & CAP, STEEL POST ALONGSIDE
 C16° TO PAD GRADE.



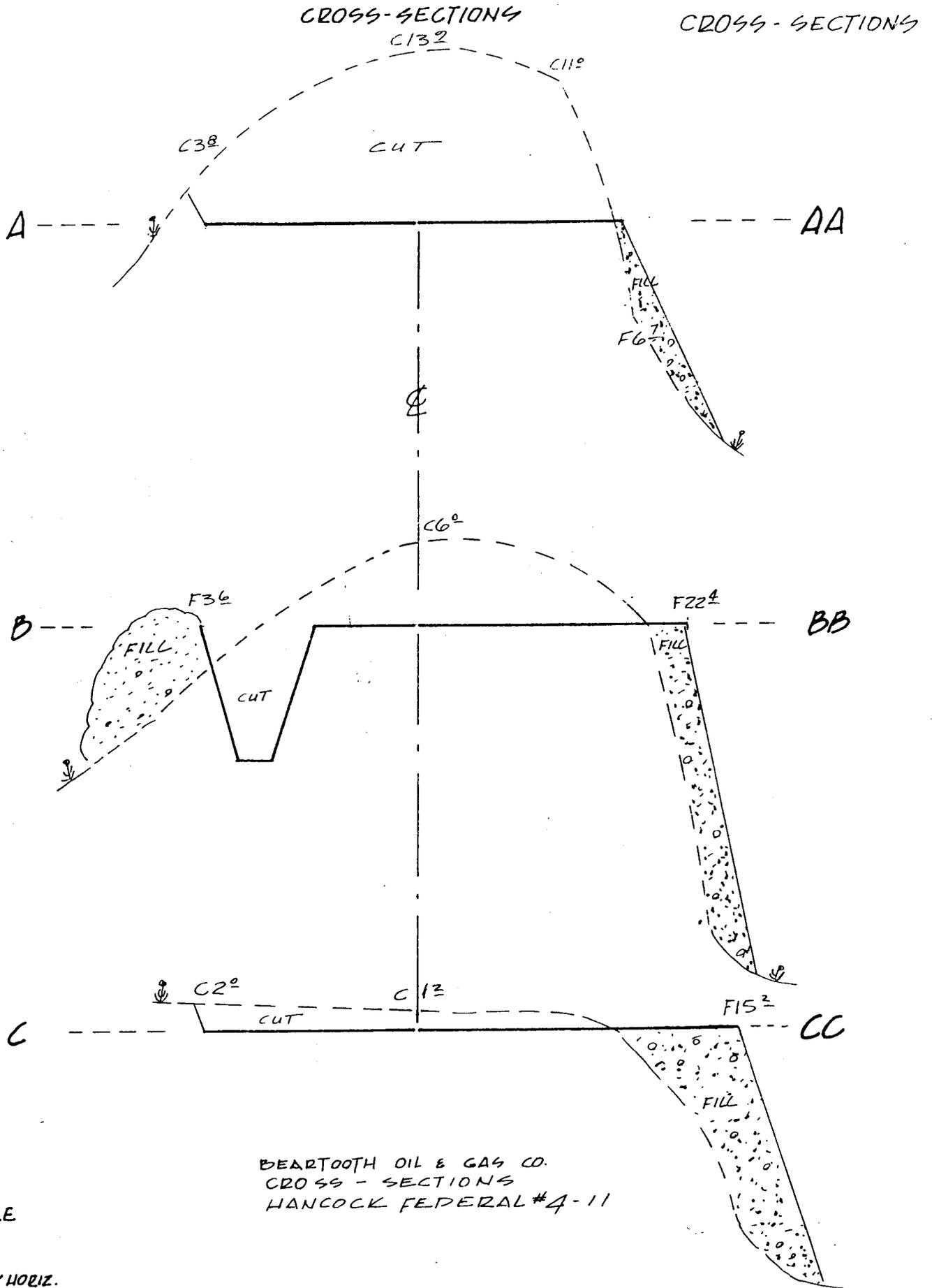
ESTIMATED QUANTITIES			
	PIT	PAD	TOTAL
CUT	3700	5300	9000
FILL	0	6800	6800
T. SOIL	500	1250	1750
	EXCESS		1450

THIS LOCATION LIES ON THE TOP OF A HOGBACK RIDGE.

SET 18" X 5/8" REBAR WITH 2" ALUM. CAP MARKED WELL LOCATION & A FLAGGED STEEL POST ALONGSIDE.

PREPARED BY
 ENERGY SURVEYS & ENG'R. CORP.

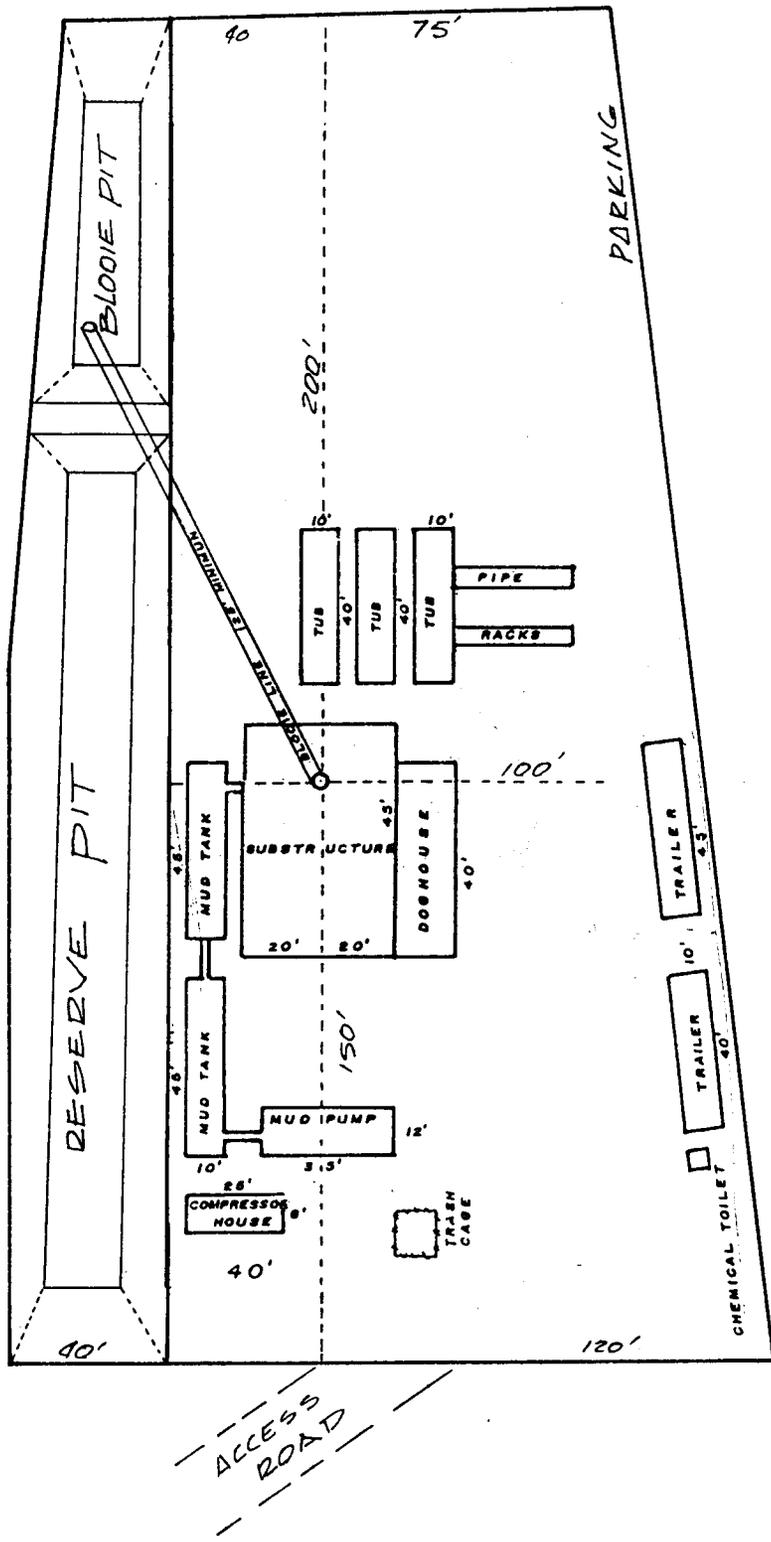
BEARTOOTH OIL & GAS CO.
 HANCOCK FEDERAL #4-11
 GRAND COUNTY, UTAH



1" = 10' VERT
SCALE
1" = 50' HORIZ.

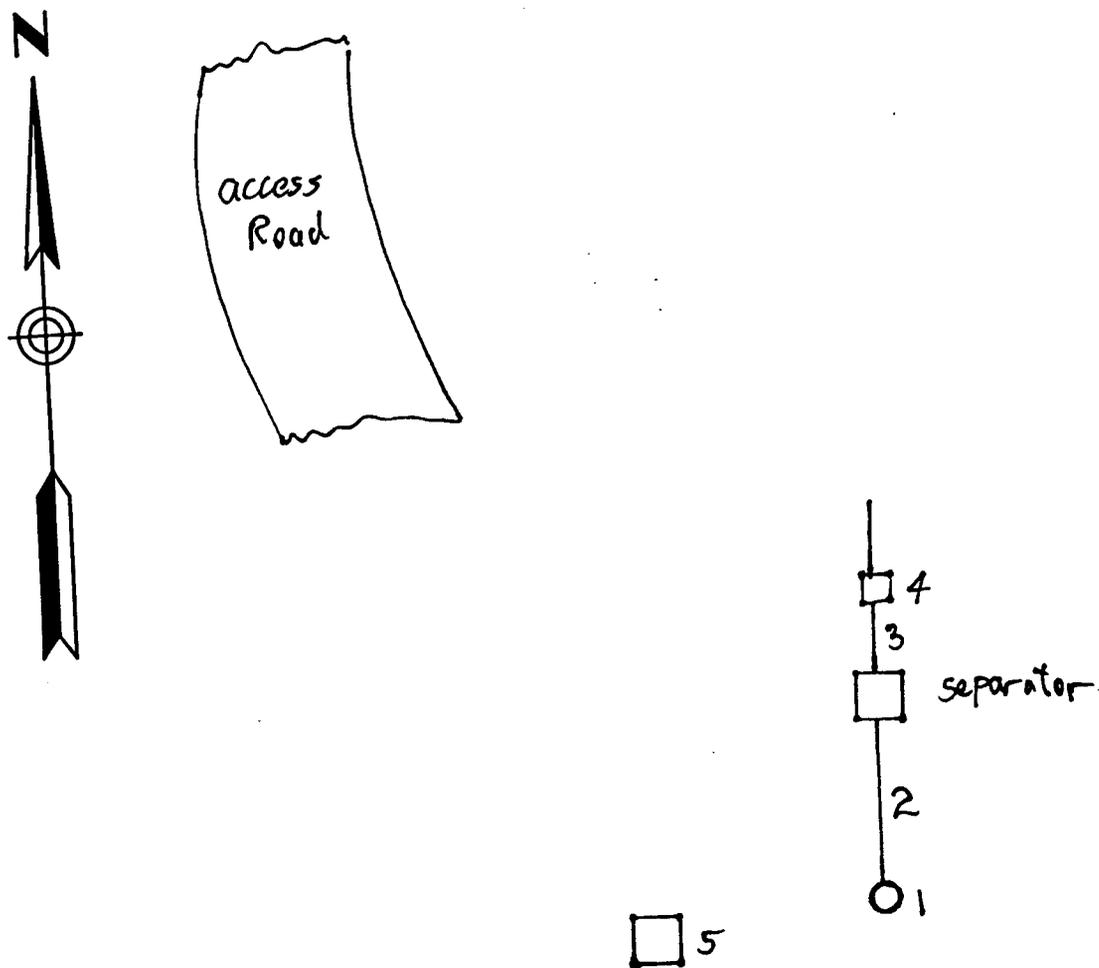
BEARTOOTH OIL & GAS CO.
CROSS-SECTIONS
HANCOCK FEDERAL #A-11

PLAT # 3
RIG LAYOUT



BEAR TOOTH OIL & GAS CO.
HANCOCK FED. # 4-11
GRAND COUNTY, UTAH

PREPARED BY
ENERGY SURVEYS & ENG'R. CORP.



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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

MINERALS MANAGEMENT SERVICE

5. LEASE DESIGNATION AND SERIAL NO.
U-683 OIL & GAS OPERATIONS RECEIVED

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

7. UNIT AGREEMENT NAME
Winter Canyon LAKE CITY, UTAH

8. FARM OR LEASE NAME
Federal

9. WELL NO.
Hancock Federal No. 4-11

10. FIELD AND POOL, OR WILDCAT
State Line

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
NE 1/4 SW 1/4 Sec. 4-T) 7S-R25E

12. COUNTY OR PARISH
Grand

13. STATE
Utah

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL DEEPEN PLUG BACK

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

2. NAME OF OPERATOR
Beartooth Oil & Gas Company

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface 2528' FSL, 2019' FWL
At proposed prod. zone same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
20 miles northwest of Mack, Colorado

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 112'
16. NO. OF ACRES IN LEASE 280

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 3327'
19. PROPOSED DEPTH 4935'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5798' GL, 5809' KB

17. NO. OF ACRES ASSIGNED TO THIS WELL 320

20. ROTARY OR CABLE TOOLS
Rotary

22. APPROX. DATE WORK WILL START*
December 6, 1982

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	32.3# H-40 STC	200'	150 sacks Class "G"
8-3/4"	7" New	20# K-55 STC	800'	150 sacks 50-50 pozmix
6-1/4"	4 1/2" New	11.6# K-55 LTC	4935'	175 sacks RFC

- Surface formation is the Mesaverde
- Anticipated geologic markers are Frontier 3885', Dakota 4260', Morrison 4429', Salt Wash 4835'.
- Gas is anticipated in the 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" will not be run unless water is encountered.
- Pressure control equipment: See attached well control plan and schematic of drilling contractor's BOP stack. BOP's will be tested before drilling out from under surface and intermediate casing and checked daily.
- Air or mist drilling will be used to drill the surface hole unless water is encountered. If water is encountered, chemical-gel type mud will be used. The well will be air drilled from under surface casing to total depth.

(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. Roulson TITLE Petroleum Engineer DATE 10/15/82

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY WJ Matus TITLE E. W. Guynn DATE DEC 07 1982
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

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

WELL NAME HANCOCK FED #4-11

SEC NE SW 4 T 17 S R 25 E COUNTY GRAMM

43-019-31012
API NUMBER

FED
TYPE OF LEASE

POSTING CHECK OFF:

INDEX

HL

NID

PI

MAP

PROCESSING COMMENTS:

RJK. ✓

APPROVAL LETTER:

SPACING: A-3 WINTER CAMP
UNIT

c-3-a _____ CAUSE NO. & DATE

c-3-b

c-3-c

SPECIAL LANGUAGE:

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

AUTHENTICATE LEASE AND OPERATOR INFORMATION *FEA*

VERIFY ADEQUATE AND PROPER BONDING *FEA*

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

APPLY SPACING CONSIDERATION

ORDER 13-3 releases this location from spacing order

UNIT Winter Camp

c-3-b

c-3-c

OUTSTANDING OR OVERDUE REPORTS FOR OTHER WELLS OF THE OPERATOR.

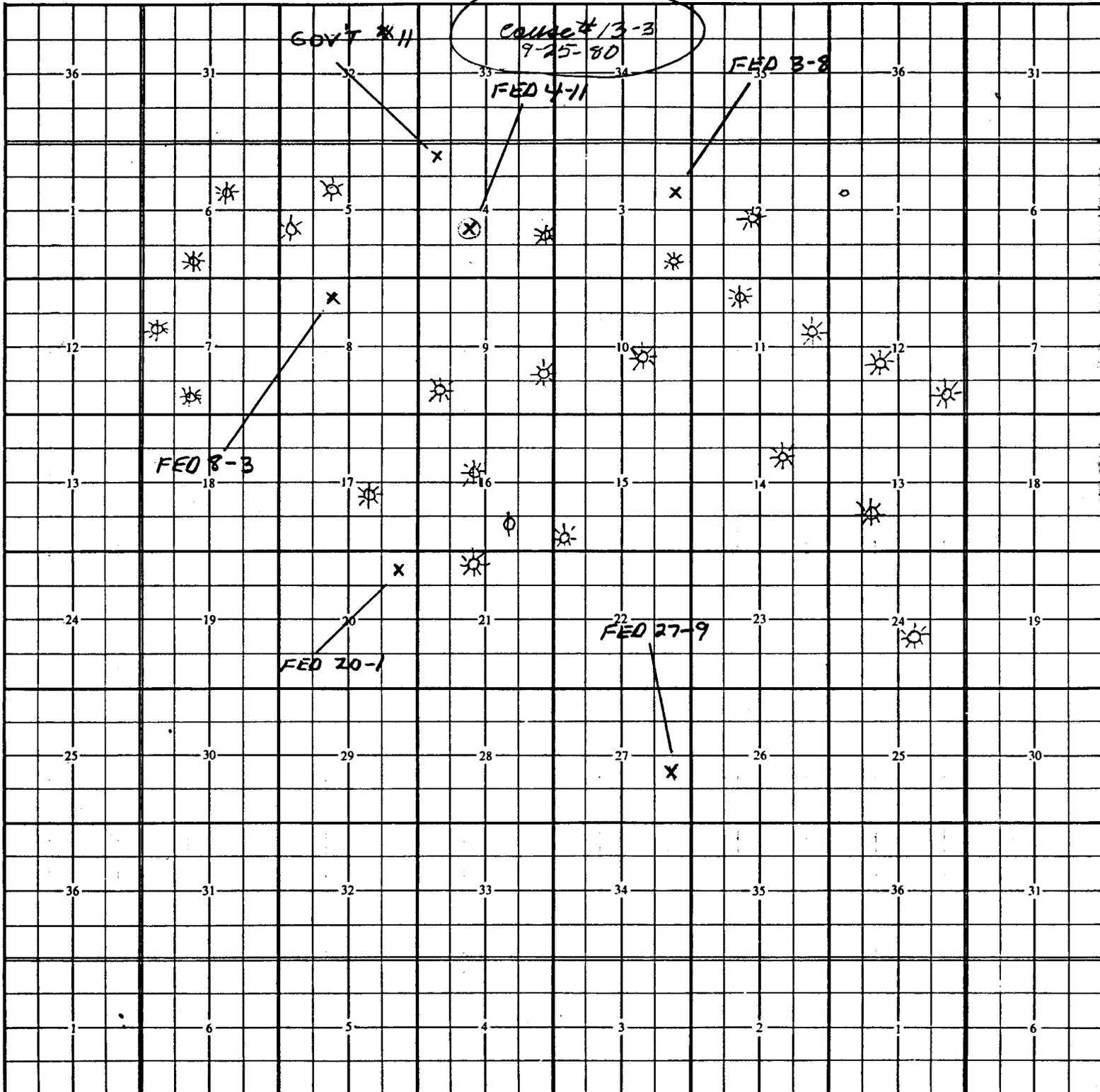
POTASH - *70*

TOWNSHIP PLAT

Owner BEARTOOTH Date 10-18-82

Township 17S Range 25E County GRAND

X = PROPOSED SITES FOR HANECK WELLS



October 19, 1982

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

RE: Well No. Hancock Fed. #4-11
NESW Sec. 4, T.17S, R.25E
Grand County, Utah

Gentlemen:

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

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

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

OR

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

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-019- 31012.

Sincerely,


Norman C. Stout
Administrative Assistant

NCS/as
cc: Minerals Management Service
Enclosure

NOTICE OF SPUD

Company: Beartooth Oil Co.

Caller: Grace Brown

Phone: /

Well Number: 4-11

Location: NESW 4-17S-25E

County: Grand State: Utah

Lease Number: U-683

Lease Expiration Date: _____

Unit Name (If Applicable): Winter Camp

Date & Time Spudded: 2-7-83 1:00 P.M.

Dry Hole Spudder/Rotary: _____

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

Rotary Rig Name & Number: _____

Approximate Date Rotary Moves In: _____

FOLLOW WITH SUNDRY NOTICE

Call Received By: Kr

Date: 2-9-83

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: Beartooth Oil

WELL NAME: Hancock Federal 4-11

SECTION NE SW 4 TOWNSHIP 17S RANGE 25E COUNTY Grand

DRILLING CONTRACTOR Veco

RIG # 2

SPUDDED: DATE 2-7-83

TIME 1:00 PM

HOW Rotary

DRILLING WILL COMMENCE _____

REPORTED BY Grace Brown

TELEPHONE # Billings

DATE 2-9-83 SIGNED RJF

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: 2528' FSL, 2019' 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:		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

LEASE
U-683

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Winter Camp

8. FARM OR LEASE NAME
Federal

9. WELL NO.
Hancock Federal No. 4-11

10. FIELD OR WILDCAT NAME
State Line

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

12. COUNTY OR PARISH
Grand

13. STATE
Utah

14. API NO.
43-019-31012

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5798' GL, 5809' KB

(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 12-1/4" surface hole at 1:00 PM 3/7/83 with rotary rig.

Ran 9 joints 9-5/8", 32.3#, H-40 casing to 315' KB. Cemented with 250 sacks Class 'G', 3% CaCl₂, 1/4# celloflake. Good cement to surface. Plug down at 9:00 PM 2/8/83.

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 2/9/83
Grace E. Brown

(This space for Federal or State office use)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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: 2528' FSL, 2019' 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:

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 TO:

RECEIVED
FEB 17 1983

5. CASE
U-683

6. IF INDIAN, ALLOTTEE OR TRIBE NAME _____

7. UNIT AGREEMENT NAME
Winter Camp

8. FARM OR LEASE NAME
Federal

9. WELL NO.
Hancock Federal No. 4-11

10. FIELD OR WILDCAT NAME
State Line

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
NE1/4SW1/4 Sec. 4-17S-25E

12. COUNTY OR PARISH
Grand

13. STATE
Utah

14. API NO.
43-019-31012

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5798' GL, 5809' KB

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

**DIVISION OF
OIL, GAS & MINING**

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 4858'.

Ran 121 joints 4 1/2", 10.5#, J-55, casing to 4858'. Cemented with 175 sacks 10-2 RFC. Plug down at 2:30 AM 2-15-83 - good returns.

Waiting on completion tools.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED Grace E. Brown TITLE Drilling Dept. DATE 2/15/83
Grace E. Brown

(This space for Federal or State office use)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PERMIT IN DUPLICATE*

(See or in-
structions on
reverse side)

Form approved.
Budget Buy. No. 42 K35.6.

477

LEASE DESIGNATION AND SERIAL NO.

U-683

IF INDIAN, ALLOTTEE OR TRIBE NAME

UNIT AGREEMENT NAME

Winter Camp

FARM OR LEASE NAME

Federal

WELL NO.

Hancock Federal No. 4-11

FIELD AND POOL, OR WILDCAT

State Line

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

NE 1/4 SW 1/4 Sec. 4-17S-25E

COUNTY OR PARISH

Grand

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 59106

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 2528' FSL, 2019' FWL
At top prod. interval reported below same
At total depth same

NESC
 DIVISION OF
 GAS & MINING
 JUL 19 1983

14. PERMIT NO. 43-019-31012 | DATE ISSUED 10/19/82

15. DATE SPUDDED 3/7/83 | 16. DATE T.D. REACHED 2/13/83 | 17. DATE COMPL. (Ready to prod.) 7/15/83 | 18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 5798' GL, 5809' KB | 19. ELEV. CASINGHEAD -

20. TOTAL DEPTH, MD & TVD 4858' | 21. PLUG, BACK T.D., MD & TVD 4823' | 22. IF MULTIPLE COMPL., HOW MANY* | 23. INTERVALS DRILLED BY → | ROTARY TOOLS 0-TD | CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 4315-4478 - Dakota | 25. WAS DIRECTIONAL SURVEY MADE no

26. TYPE ELECTRIC AND OTHER LOGS RUN DTL, CDL/CNL | 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"	32.3# H-40	315' KB	12-1/4"	250 sacks Class "G"	
4-1/2"	10.5#, J-55	4858'	6-1/4"	175 sacks 10-2 REC	

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"	4487'	-

31. PERFORATION RECORD (Interval, size and number) | 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4315-4478'	500 gal. 15% MR acid; foam fract with 20,000# 100 mesh sand, 80,000# 20-40 sand, 77,500 gallons 75 quality foam, 480 bbls 5% Hcl, 1.6 MMSCF nitrogen

33. PRODUCTION

DATE FIRST PRODUCTION 7/15/83	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) flowing	WELL STATUS (Producing or shut-in) shut-in
DATE OF TEST 7/15/83	HOURS TESTED 1 hr	CHOKE SIZE 1/2"
PROD'N. FOR TEST PERIOD →	OIL—BBL. GAS—MCF. 6.58 WATER—BBL. 1/8 bbl GAS-OIL RATIO	
FLOW. TUBING PRESS. 16 psi	CASING PRESSURE 260 psi	CALCULATED 24-HOUR RATE →
	OIL—BBL. GAS—MCF. 158 WATER—BBL. 3 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 7/18/83

*(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 production 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 identifying, 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	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Dakota Silt	4217'	
Dakota Sand	4296'	
Morrison	4483'	

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

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number Hancock Federal No. 4-11
Operator Beartooth Oil & Gas Company Address P. O. Box 2564, Billings, MT. 59103
Contractor Veco Drilling Company Address Grand Junction, Colorado
Location NE 1/4 SW 1/4 Sec. 4 T. 17S R. 25E County Grand

Water Sands

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

(Continue of reverse side if necessary)

Formation Tops

Remarks

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

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

<p>1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER</p> <p>2. NAME OF OPERATOR Beartooth Oil & Gas Company</p> <p>3. ADDRESS OF OPERATOR P. O. Box 2564, Billings, Montana 59103</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2528' FSL, 2019' FWL</p>		<p>5. LEASE DESIGNATION AND SERIAL NO. U-683</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME Winter Camp</p> <p>8. FARM OR LEASE NAME Federal</p> <p>9. WELL NO. Hancock Federal No. 4-11</p> <p>10. FIELD AND POOL, OR WILDCAT Undesignated</p> <p>11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA NE$\frac{1}{4}$SW$\frac{1}{4}$ Sec. 4-17S-25E</p> <p>12. COUNTY OR PARISH 13. STATE Grand Utah</p>
<p>14. PERMIT NO. 43-019-31012</p>	<p>15. ELEVATIONS (Show whether DF, RT, OR, etc.) 5798' GL, 5809' KB</p>	

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

<p>NOTICE OF INTENTION TO:</p> <table style="width:100%;"> <tr> <td style="width:50%;"> <p>TEST WATER SHUT-OFF <input type="checkbox"/></p> <p>FRACTURE TREAT <input type="checkbox"/></p> <p>SHOOT OR ACIDIZE <input type="checkbox"/></p> <p>REPAIR WELL <input type="checkbox"/></p> <p>(Other) <input type="checkbox"/></p> </td> <td style="width:50%;"> <p>PULL OR ALTER CASING <input type="checkbox"/></p> <p>MULTIPLE COMPLETE <input type="checkbox"/></p> <p>ABANDON* <input type="checkbox"/></p> <p>CHANGE PLANS <input type="checkbox"/></p> </td> </tr> </table> <p style="text-align: center;">Change of Operator <input checked="" type="checkbox"/></p>		<p>TEST WATER SHUT-OFF <input type="checkbox"/></p> <p>FRACTURE TREAT <input type="checkbox"/></p> <p>SHOOT OR ACIDIZE <input type="checkbox"/></p> <p>REPAIR WELL <input type="checkbox"/></p> <p>(Other) <input type="checkbox"/></p>	<p>PULL OR ALTER CASING <input type="checkbox"/></p> <p>MULTIPLE COMPLETE <input type="checkbox"/></p> <p>ABANDON* <input type="checkbox"/></p> <p>CHANGE PLANS <input type="checkbox"/></p>	<p>SUBSEQUENT REPORT OF:</p> <table style="width:100%;"> <tr> <td style="width:50%;"> <p>WATER SHUT-OFF <input type="checkbox"/></p> <p>FRACTURE TREATMENT <input type="checkbox"/></p> <p>SHOOTING OR ACIDIZING <input type="checkbox"/></p> <p>(Other) <input type="checkbox"/></p> </td> <td style="width:50%;"> <p>REPAIRING WELL <input type="checkbox"/></p> <p>ALTERING CASING <input type="checkbox"/></p> <p>ABANDONMENT* <input type="checkbox"/></p> </td> </tr> </table> <p style="font-size: small;">(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</p>	<p>WATER SHUT-OFF <input type="checkbox"/></p> <p>FRACTURE TREATMENT <input type="checkbox"/></p> <p>SHOOTING OR ACIDIZING <input type="checkbox"/></p> <p>(Other) <input type="checkbox"/></p>	<p>REPAIRING WELL <input type="checkbox"/></p> <p>ALTERING CASING <input type="checkbox"/></p> <p>ABANDONMENT* <input type="checkbox"/></p>
<p>TEST WATER SHUT-OFF <input type="checkbox"/></p> <p>FRACTURE TREAT <input type="checkbox"/></p> <p>SHOOT OR ACIDIZE <input type="checkbox"/></p> <p>REPAIR WELL <input type="checkbox"/></p> <p>(Other) <input type="checkbox"/></p>	<p>PULL OR ALTER CASING <input type="checkbox"/></p> <p>MULTIPLE COMPLETE <input type="checkbox"/></p> <p>ABANDON* <input type="checkbox"/></p> <p>CHANGE PLANS <input type="checkbox"/></p>					
<p>WATER SHUT-OFF <input type="checkbox"/></p> <p>FRACTURE TREATMENT <input type="checkbox"/></p> <p>SHOOTING OR ACIDIZING <input type="checkbox"/></p> <p>(Other) <input type="checkbox"/></p>	<p>REPAIRING WELL <input type="checkbox"/></p> <p>ALTERING CASING <input type="checkbox"/></p> <p>ABANDONMENT* <input type="checkbox"/></p>					
<p>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.)*</p>						

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

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

RECEIVED

MAY 25 1984

DIVISION OF OIL
GAS & MINING

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

SIGNED Robert D. Ballantyne TITLE Drilling Supervisor DATE 5/22/84
Robert D. Ballantyne

(This space for Federal or State office use)

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

(November 1983)
(Formerly 9-331)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF OIL AND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO

U-683 *PCW/DKTA*

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

030207

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

4-11

10. FIELD AND POOL, OR WILDCAT

Bar-X

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

NE 1/4 SW 1/4 Sec. 4: T17S-R25E

12. COUNTY OR PARISH

GRAND

13. STATE

UTAH

SUNDRY NOTICES AND REPORTS ON WELLS

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

R FEB 24 1988 **D**

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
BURTON W. HANCOCK

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

DIVISION OF
OIL, GAS & MINING

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

2825' FSL, 2019' FWL

14. PERMIT NO.
43-019-31012

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
5798' GL, 5808' KB

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

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

PULL OR ALTER CASING
MULTIPLE COMPLETE
ABANDON*
CHANGE PLANS

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

REPAIRING WELL
ALTERING CASING
ABANDONMENT*

REPORT TO CHANGE OF ADDRESS

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

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

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

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

SIGNED *James G. Routson*
James G. Routson

TITLE Agent for Operator

DATE February 15, 1988

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

*See Instructions on Reverse Side

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

- Burton W. Hancock -

404 Petroleum Building
Billings, Montana 59101

RECEIVED
DEC 22 1989

December 20, 1989

DIVISION OF
OIL, GAS & MINING

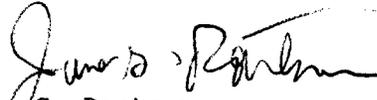
Division of Oil, Gas & Mining
3 Triad Center, Suite 350
Salt Lake City, UT 84180

Re: Bar-X #4-11
NE SW Sec. 4-T17S-R25E
Grand County, Utah

Gentlemen:

Enclosed, please find two (2) copies of the Sundry Notices And Reports on Wells for the above captioned well.

Very truly yours,



James G. Routson
Consulting Petroleum Engineer
for Burton W. Hancock

JGR/mjt
Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

DEC 22 1989

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Burton W. Hancock

3. ADDRESS OF OPERATOR
402 Petroleum Building, Billings, MT 59101 OIL, GAS & MINING

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
2825' FSL, 2019' FWL Sec. 4

5. LEASE DESIGNATION AND SERIAL NO
U-683

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
No. 4-11

10. FIELD AND POOL, OR WILDCAT
Bar - X

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
NE SW Sec. 4-T17S-R25E

12. COUNTY OR PARISH
Grand

13. STATE
Utah

14. PERMIT NO.
43-019-31012

15. ELEVATIONS (Show whether DF, NT, GR, etc.)
5798' GL; 5808' KB

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) notice of first production <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

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

This well first delivered at 4:00 P.M., December 19, 1989. Notified Dale Manchester, Bureau of Land Management, Moab, Utah, by telephone at 9:30 A.M. on December 20, 1989.

OIL AND GAS	
DRN	RJF
JRB	GLH
DTS	SLS
1-TAS	
2-	MICROFILM ✓
3-	FILE ✓

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

SIGNED James G. Routson TITLE Consulting Pet. Engineer DATE December 20, 1989

(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
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

Burton W. Hancock

3. Address and Telephone No.

100 N 27th St. Suite 650 Billings, MT 59101 (406) 259-9554

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

^{2526'}
~~2825'~~ FSL, 2019' FWL Sec. 4: T17S-R25E

5. Lease Designation and Serial No.

U-683

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Federal No. 4-11

9. API Well No.

43-019-31012

10. Field and Pool, or Exploratory Area

Bar-X

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

- Notice of Intent
 Subsequent Report
 Final Abandonment Notice

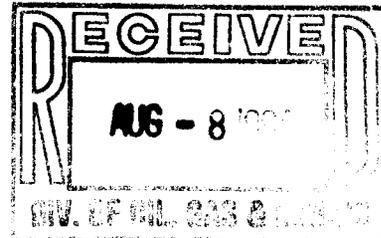
TYPE OF ACTION

- Abandonment
 Recompletion
 Plugging Back
 Casing Repair
 Altering Casing
 other Return to production
 Change of Plans
 New Construction
 Non-Routine Fracturing
 Water Shut-Off
 Conversion to Injection
 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.)*

This well was returned to production at 3:30 p.m., 8/1/94. Previous plans to install a pumping unit were never implemented.



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

Signed John B. Rantson Title Consulting Pet. Engineer Date 8/1/94

(This space for Federal or State office use)

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

RECEIVED

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

AUG 28 2015

DIV. OF OIL, GAS & MINING

SUNDRY NOTICES AND REPORTS ON WELLS

5. LEASE DESIGNATION AND SERIAL NUMBER:

UTU-683

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL
OIL WELL GAS WELL OTHER _____

8. WELL NAME and NUMBER:
Federal Govt No 4-1T Hancock Fed 4-11

2. NAME OF OPERATOR:
Burton W Hancock

9. API NUMBER:
4301931012

3. ADDRESS OF OPERATOR:
P O Box 80965 (Operation O CITY Billings STATE MT ZIP 59108-0965 PHONE NUMBER: (406) 245-5077

10. FIELD AND POOL, OR WILDCAT:
State Line

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2528' FSL 2019' FWL COUNTY: Grand

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 4 17S 25E STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input checked="" type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 8/14/2015	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

Burton W Hancock plugged this well as follows:
Plugging was witnessed by Lee Oliver, BLM Moab
1. Set 4 1/2" CICR at 4205' (8-14-15)
2. Mix and pump 25 sx Class "A" cement (15 sx below retainer and 10 sks cement above)
3. Fill 4 1/2" casing with 9 ppg mud
4. Test 4 1/2" casing at 300 psi for 30 min
5. Perforate 4 1/2" casing at 375'
6. Mix and pump 94 sx Class "A" cement down 4 1/2" casing and up 9 5/8" x 4 1/2" annulus to surface
7. Cut wellhead off and install dryhole plate 3' below GL

NAME (PLEASE PRINT) James G. Routson TITLE Consulting Petroleum Engineer
SIGNATURE *James G. Routson* DATE 8/24/2015

(This space for State use only)

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: U-683
2. NAME OF OPERATOR: Burton W Hancock		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Operation Office P O Box 80 CITY Billings STATE MT ZIP 59108-0965		7. UNIT or CA AGREEMENT NAME: Winter Camp
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2528' FSL 2019' FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 4 17S 25E		8. WELL NAME and NUMBER: Federal No 4-11
PHONE NUMBER: (406) 245-5077		9. API NUMBER: 4301931012
COUNTY: Grand		10. FIELD AND POOL, OR WLD/CAT: State Line
STATE: UTAH		

RECEIVED

MAR 30 2015

DIV. OF OIL, GAS & MINING

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

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

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

Burton W Hancock intends to plug this well as follows:

- MIRU
- ND wellhead and NU BOPs
- POOH, talley and lay down 1 1/2" tubing
- RIH with 4 1/2" CICR on 2 3/8" tubing and set at 4200'
- Fill 4 1/2" casing with 9 ppg mud
- Mix and pump 25 sx cement (15 sx below CICR, 10 sx above)
- POOH tubing and setting tool
- Test 4 1/2" casing
- Perforate 4 1/2" casing at 365'
- Mix and pump cement down 4 1/2" casing until cement returns at surface of annulus (105 sx +/-)
- Cut wellhead off 3' below GL and weld on dryhole marker
- Remove rig equipment and all junk from location

NAME (PLEASE PRINT) <u>Jim Routson</u>	TITLE <u>Consulting Petroleum Engineer</u>
SIGNATURE <u>[Signature]</u>	DATE <u>3/04/15</u>

(This space for State use only)

Accepted by the
Utah Division of
Oil, Gas and Mining

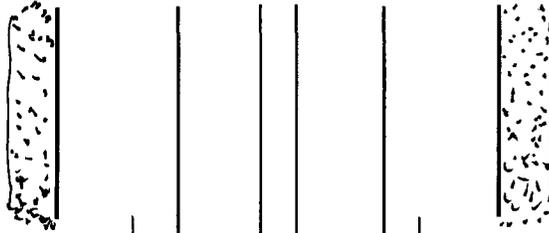
Federal Approval Of This
Action Is Necessary

Date: 4/7/2015
By: [Signature]

BURTON W. HANCOCK
WELLBORE DIAGRAM
HANCOCK FEDERAL NO. 4-11
NE¼ SW¼ SEC 4, T17S-R25E
GRAND COUNTY, UTAH
LEASE NO. U-683
GL: 5798' KB: 5808'

9 5/8" 32.3# surface casing in 12 1/4" hole, set @ 315', cemented to surface with 250 sx Class G, 3% CaCl₂.

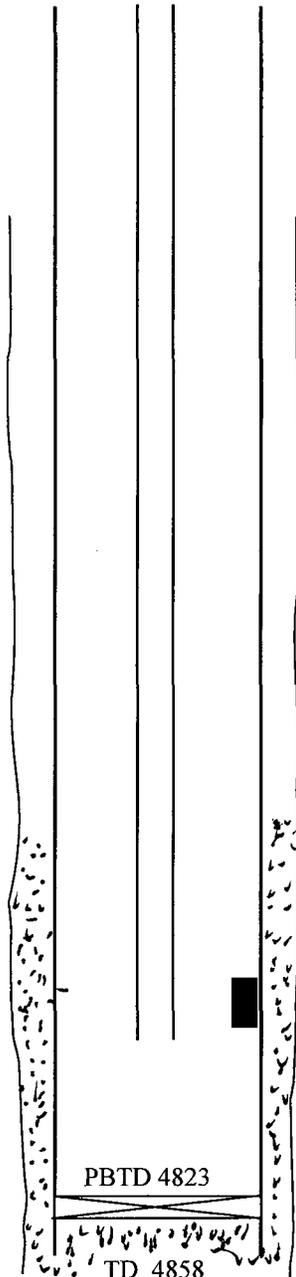
Drilled out with 6 1/4" hole



1 1/2" tubing 4487'

4 1/2" 10.5# casing landed at 4858' cemented with 175 sx Thixotropic.

bond log cement top 4056'



Top of Cement 4056'

Perforations 4315'-4478' (6 holes)

PBTB 4823

TD 4858

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS		6. LEASE DESIGNATION AND SERIAL NUMBER: U-683
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		7. UNIT or CA AGREEMENT NAME: Winter Camp
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____	8. WELL NAME and NUMBER: Federal No 4-11	
2. NAME OF OPERATOR: Burton W Hancock	9. API NUMBER: 4301931012	
3. ADDRESS OF OPERATOR: Operation Office P O Box 80 CITY Billings STATE MT ZIP 59108-0965	PHONE NUMBER: (406) 245-5077	10. FIELD AND POOL, OR WILDCAT: State Line
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2528' FSL 2019' FWL		COUNTY: Grand
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 4 17S 25E		STATE: UTAH

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

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

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

- Burton W Hancock intends to plug this well as follows:
1. MIRU
 2. ND wellhead and NU BOPs
 3. POOH, talley and lay down 1 1/2" tubing
 4. RIH with 4 1/2" CICR on 2 3/8" tubing and set at 4200'
 5. Fill 4 1/2" casing with 9 ppg mud
 6. Mix and pump 25 sx cement (15 sx below CICR, 10 sx above)
 7. POOH tubing and setting tool
 8. Test 4 1/2" casing
 9. Perforate 4 1/2" casing at 365'
 10. Mix and pump cement down 4 1/2" casing until cement returns at surface of annulus (105 sx +/-)
 11. Cut wellhead off 3' below GL and weld on dryhole marker
 12. Remove rig equipment and all junk from location

RECEIVED
MAR 30 2015
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Jim Routson	TITLE Consulting Petroleum Engineer
SIGNATURE <i>Jim Routson</i>	DATE 3/24/15

(This space for State use only)

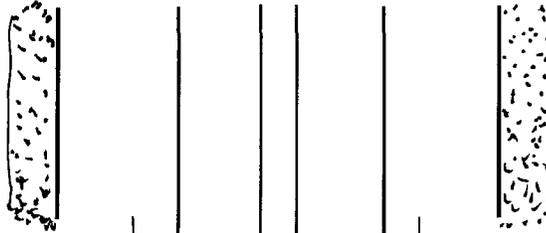
Accepted by the
Utah Division of
Oil, Gas and Mining
Date: 4/7/2015
By: *[Signature]*

Federal Approval Of This
Action Is Necessary

BURTON W. HANCOCK
WELLBORE DIAGRAM
HANCOCK FEDERAL NO. 4-11
NE¼ SW¼ SEC 4, T17S-R25E
GRAND COUNTY, UTAH
LEASE NO. U-683
GL: 5798' KB: 5808'

9 5/8" 32.3# surface casing in 12 1/4" hole, set @ 315', cemented to surface with 250 sx Class G, 3% CaCl₂.

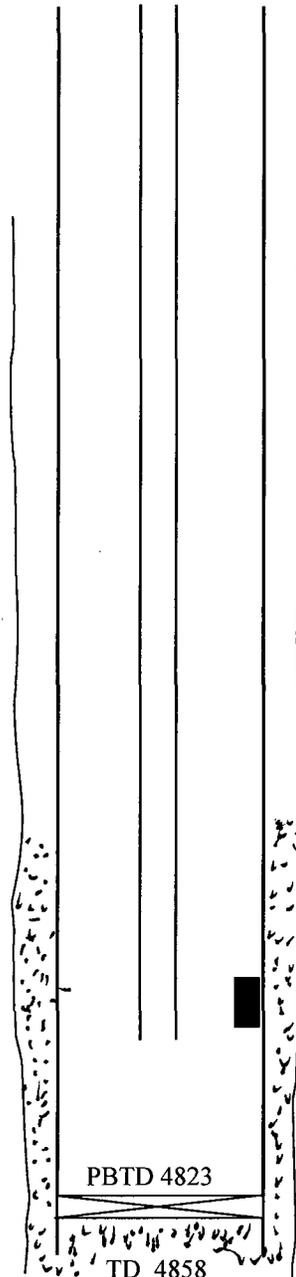
Drilled out with 6 1/4" hole



1 1/2" tubing 4487'

4 1/2" 10.5# casing landed at 4858' cemented with 175 sx Thixotropic.

bond log cement top 4056'



Top of Cement 4056'

Perforations 4315'-4478' (6 holes)

PBTD 4823

TD 4858