

CHANCELLOR & RIDGEWAY

PETROLEUM PRODUCERS

2000 WESTERN FEDERAL BUILDING • 718 SEVENTEENTH STREET • DENVER, COLORADO 80202 • PHONE: (303) 292-1350

July 10, 1979

Re: Rat Hole Unit #4
SE SW Sec. 13-14S-25E
Uintah County, Utah
Federal Lease U-18533

Utah Oil & Gas Conservation Commission
1588 West North Temple
Salt Lake City, Utah 84116

Gentlemen:

Enclosed in triplicate is "Application for Permit to Drill" and the related "Surface Use and Operations Plan" for the above referenced well.

Please send me your rules and regulations booklet.

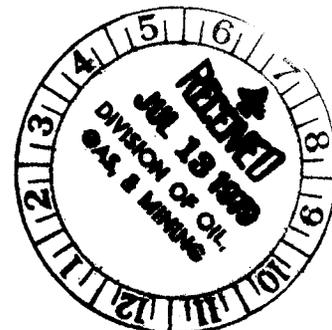
Yours very truly,

CHANCELLOR & RIDGEWAY

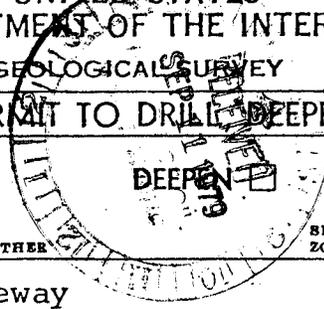

C. E. Chancellor

CEC:d

cc: W. E. Ridgeway



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.
U-18533

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Rat Hole Unit

8. FARM OR LEASE NAME
Federal

9. WELL NO.
4

10. FIELD AND POOL, OR WILDCAT
Nullex

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 13-T14S-R25E, SLM

12. COUNTY OR PARISH
Uintah

13. STATE
Utah

17. NO. OF ACRES ASSIGNED TO THIS WELL
360

20. ROTARY OR CABLE TOOLS
Rotary

22. APPROX. DATE WORK WILL START*
Sept. 25, 1979

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
Chancellor & Ridgeway

3. ADDRESS OF OPERATOR
718 17th St., Suite 2000, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface
2269 FWL, 249 FSL (SE SW) Sec. 13-14S-25E
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approx. 40 miles south of Bonanza, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 249 feet

16. NO. OF ACRES IN LEASE
80

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
5620

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
8249' ground

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11" or 12 1/2"	8-5/8 new	24#	200'	cement to surface
7-7/8"	5-1/2 new	17#	5600'	300 sacks

Proposed drilling program: Drill 11/12 1/2" hole to 200', set 8-5/8" casing at 190' and cement to surface. Nipple up and test BOP and casing to 1200 psi. Drill 7-7/8" hole below surface casing to 5620' using air or inhibited mist as circulating medium. If necessary to mud up use 8.5 - 8.8 lbs/gal 2% KCL water gel. No cores or DST's planned; however well will be continuously tested while air drilling. No oil shows expected. Some water may be encountered in Castlegate at 4050'. Anticipated gas zone in Mancos "B" 5020'-5550' with maximum bottom hole pressure 1100 psi. At TD fill hole with 2% KCL water and run GR-DIL & FDC-CNL logs from TD to surface casing. Run 5 1/2" casing to 60' below base of Mancos "B" and cement thru all potentially productive formations. Install tubing head and cap and move out rotary rig.

(continued on reverse side)

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 C. E. Chancellor TITLE Partner DATE July 10, 1979
C. E. Chancellor
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY W.P. Martin TITLE ACTING DISTRICT ENGINEER DATE SEP 07 1979

CONDITIONS OF APPROVAL, IF ANY:
NOTICE OF APPROVAL
CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

Ut State O&G

*See Instructions On Reverse Side

NECESSARY FLARING OF GAS DURING DRILLING AND COMPLETION APPROVED SUBJECT TO ROYALTY (INT. & STATE)

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

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

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

* GPO 782-931

Estimated depths of geologic markers: Mesa Verde - surface
Castlegate - 4050'
Mancos "B" - 5020'
Base Mancos "B" - 5550'

Estimated drilling time thru setting of 5½" casing is 11 days.

Proposed completion program:

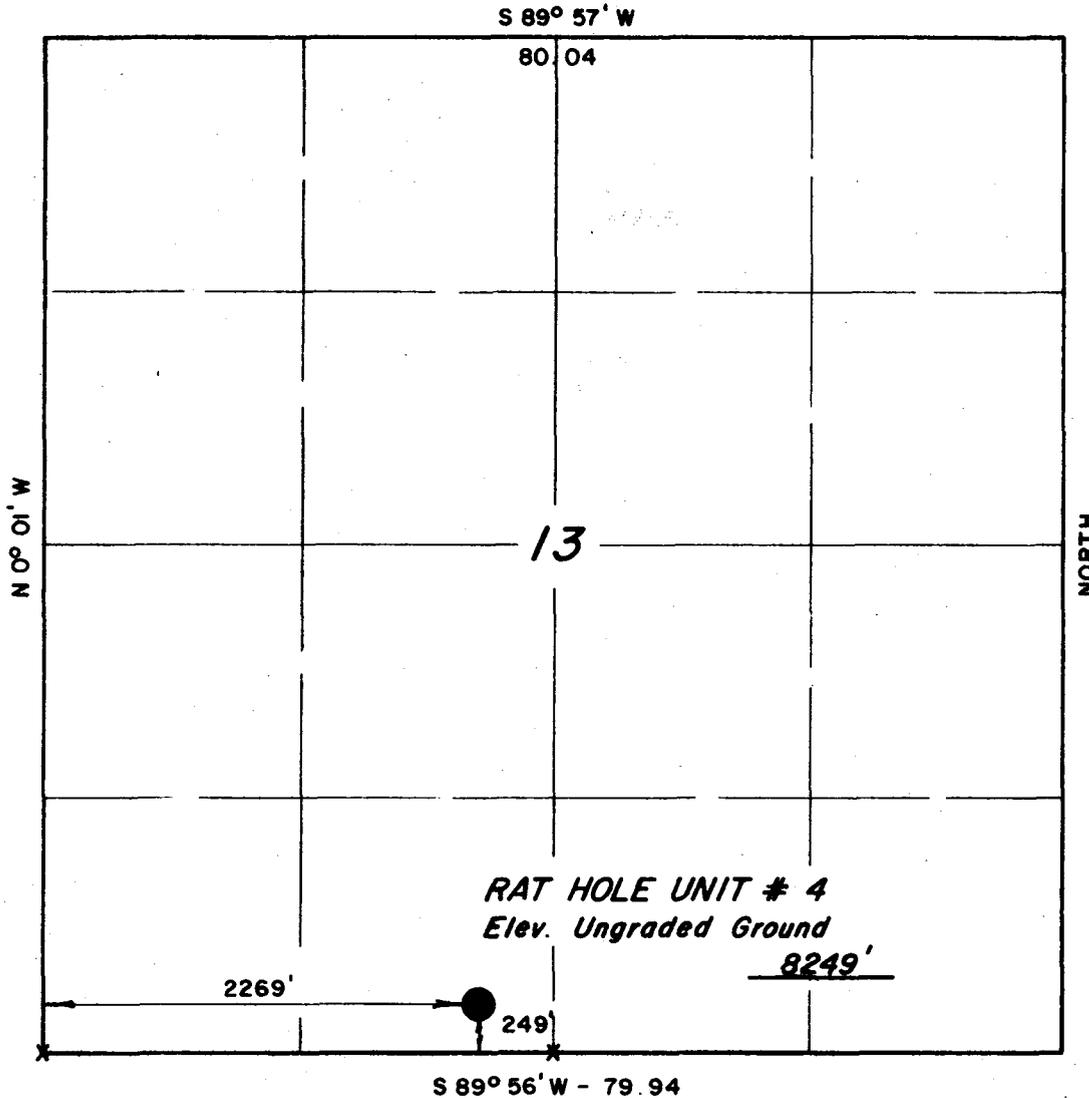
Move in service rig, install BOP's and pressure test to 2000 psi. Run cement bond and Gamma Ray correlation logs. Perforate Mancos "B" zone with approximately 20 holes. Run 1-1/2" EUE tubing to bottom perforation and nipple up wellhead. Hook up frac trucks and pressure test surface connections to 5000 psi. Break down with 1000 gallons 7½% HCL acid and fracture treat Mancos perfs with 80,000 gals gelled KCL water containing 750 scf of CO₂ per barrel and 200,000 lbs. sand. Blow and swab well to pit until cleaned up and test productivity. Shut well in, clean location and fence pits pending installation of production facilities and final surface restoration. Estimated completion time 7 days.

T 14 S, R 25 E, S. L. B. & M.

PROJECT

CHANCELLOR & RIDGEWAY

Well location, *RAT HOLE UNIT # 4*,
located as shown in the SE 1/4 SW 1/4
Section 13, T 14 S, R 25 E, S. L. B. & M.
Uintah County, Utah.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

Lawrence C. Key
REGISTERED LAND SURVEYOR
REGISTRATION NO 3137
STATE OF UTAH

X = Section Corners Located

UINTAH ENGINEERING & LAND SURVEYING
P. O. BOX Q - 110 EAST - FIRST SOUTH
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 6 / 25 / 79
PARTY R.K. D.B. J.K. BFW	REFERENCES GLO Plat
WEATHER Clear & Warm	FILE CHANCELLOR & RIDGEWAY

CHANCELLOR & RIDGEWAY
PROPOSED LOCATION
RAT HOLE UNIT # 4

TOPO. MAP "A"

SCALE -  1" = 4 MI.

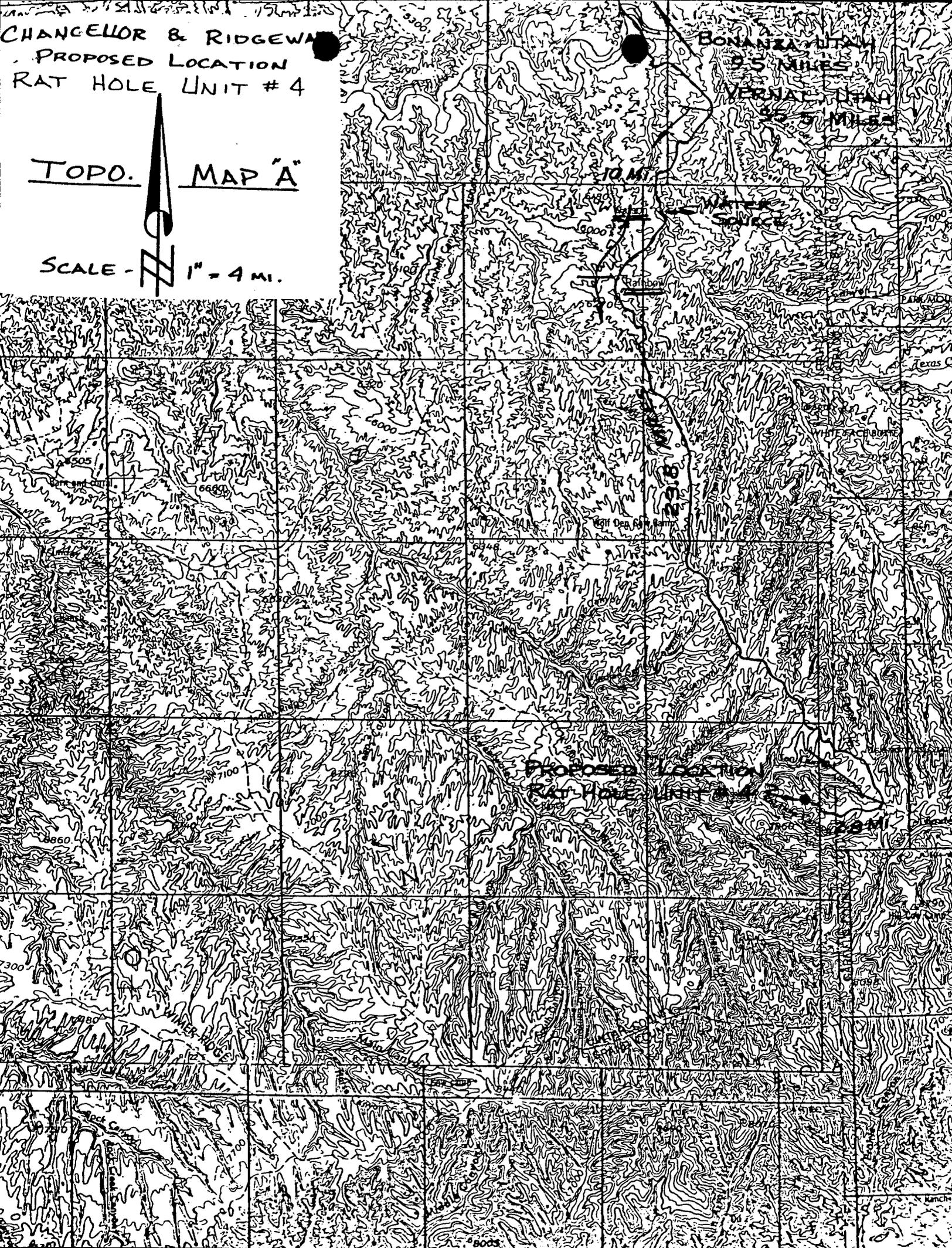
BONANZA MOUNTAIN
9.5 MILES
VERSAL PLATEAU
2.5 MILES

10 MI.

WATER SOURCE

8518

PROPOSED LOCATION
RAT HOLE UNIT # 4



1: DISTRICT GEOLOGIST, ME, SALT LAKE CITY, UTAH

2: DISTRICT ENGINEER, SALT LAKE CITY, UTAH

3: APD MINERAL EVALUATION REPORT

LEASE NO. U-18533

4: OPERATOR: Chancellor + Ridgeway

WELL NO. 4

5: LOCATION: ½ SE ¼ SW ¼ sec. 13, T. 14S, R. 25E, 31PA

Utah County, Wasatch

Stratigraphy:

Green River surface	Emery 4500
Wasatch 1600	Mancoes 4900
Mesa Verde 2600	T.D. 5620
Mancoes 3000	
Castlegate 3200	
Mancoes 4200	
FD	

Fresh Water: Possible fresh water aquifer in Green River Formation.

Leasable Minerals: Possible coal in Mesa Verde.

Additional Logs Needed: Logging program adequate if a log of cutting taken every 10' is taken through Mesa Verde for coal.

Potential Geologic Hazards: Possible geopressured sands in Wasatch.

References and Remarks: P.I. cards, previous WPDs, I-736

Signature: Wendy Hepler

Date: 8-18-78

Oil and Gas Drilling

EA #472-79

United States Department of the Interior
Geological Survey
8440 Federal Building
Salt Lake City, Utah 84138

Usual Environmental Analysis

Lease No.: U-18533

Operator: Chancellor and Ridgeway

Well No.: 4

Location: 2269' FWL 249' FSL

Sec.: 13

T.: 14S R.: 25E

County: Uintah

State: Utah

Field: Wildcat

Status: Surface Ownership: Public

Minerals: Federal

Joint Field Inspection Date: August 14, 1979

Participants and Organizations:

Greg Darlington
Ron Rogers
W.E. Ridgeway
C.E. Chancellor
John Hill

USGS - Vernal
BLM - Vernal
Chancellor and Ridgeway
Chancellor and Ridgeway
Cripple Cowboy Ranch

Related Environmental Analyses and References:

(1) Unit Resource Analysis, Seep Ridge Planning Unit, BLM, Vernal

(2) Unit Resource Analysis, Baxter-Douglas Planning Unit, BLM, Grand Junction, Colorado.

Analysis Prepared by: Greg Darlington
Environmental Scientist
Vernal, Utah

Reviewed by:
George Diwachak
Environmental Scientist
Salt Lake City, Utah

Date: August 20, 1979

*Pad 150x250
Pit 50x125
2 8/10 mi upgrade just north
Flow line not in
Stockpile top soil
1 cc*

*→ Mitigations
3 (as-e) 8/27*

Proposed Action:

On July 12, 1979, Chancellor and Ridgeway filed an Application for Permit to Drill the No. 4 exploratory well, a 5620-foot gas test of the Mancos "B" Formation; located at an elevation of 8249 ft. in the SE/4 SW/4 Section 13 T14S, R24E on Federal mineral lands and public surface; lease No.U-18533. There was no objection to the wellsite nor to the access road.

A rotary rig would be used for the drilling. An adequate casing and cementing program is proposed. Fresh-water sands and other mineral-bearing formations would be protected. A Blowout Preventor would be used during the drilling of the well. The proposed pressure rating should be adequate. Details of the operator's NTL-6 10-Point Sub-surface Plan are on file in the U.S.G.S. District Office in Salt Lake City, Utah and the U.S.G.S. Northern Rocky Mountain Area Office in Casper, Wyoming. The 13-Point Surface Protection Plan is on file in the District Office in Salt Lake City.

A working agreement has been reached with the BLM, the controlling surface agency. Rehabilitation plans would be decided upon as well neared completion; the Surface Management Agency would be consulted for technical expertise on those arrangements.

The operator proposes to construct a drill pad 150 ft. wide x 250 ft. long and reserve a pit 50 ft. x 125 ft. An existing jeep road would be upgraded to 18 ft. wide by 2.8 miles long from a maintained road. Of the 2.8 miles of access road to be upgraded approximately the first 1.8 miles is located in Colorado and the remainder is in Utah. The operator proposes to construct production facilities on disturbed area of the proposed drill pad. If production is established, plans for a gas flow line would be submitted to the appropriate agencies for approval. The anticipated starting date is September 25, 1979 and duration of drilling activities would be about 18 days.

Location and Natural Setting:

The proposed drillsite is approximately 45.9 miles road distance South of Bonanza, Utah, the nearest town. A good road runs to within 2.8 miles of the location. This well is an exploratory well in the Rathole Unit.

Topography:

The location is on a ridge with a gentle slope to the Northwest.

Geology:

The surface geology is the Mesa Verde Formation. The soil is a sandy clay with well mixed shale and sandstone gravels. No geologic hazards are known near the drillsite. Seismic risk for the area is moderate. Anticipated geologic tops are filed with the 10-Point Subsurface Protection Plan.

Approval of the proposed action would be conditioned that adequate and sufficient electric/radioactive/density logging surveys would be made to locate and identify any potential mineral resources. Production casing and cementing would be adjusted to assure no influence of the hydrocarbon zones through the well bore on these minerals. In the event the well is abandoned, cement plugs would be placed with drilling fluid in the hole to assure protection of any mineral resources.

The potential for loss of circulation would exist and is possible in the sandstone units of the Mesa Verde. Loss of circulation may result in the lowering of the mud levels, which might permit exposed upper formations to blow out or to cause formation to slough and stick to drill pipe. A loss of circulation would result in contamination due to the introduction of drilling muds, mud chemicals, filler materials, and water deep in to the permeable zone, fissures, fractures, and caverns within the formation in which fluid loss is occurring. The use of special drilling techniques, drilling muds, and lost circulation materials may be effective in controlling lost circulation. The operator plans to use air as a circulating medium which would reduce the potential for lost circulation.

A geologic review of the proposed action has been furnished by the Area Geologist, U.S. Geological Survey, Salt Lake City, Utah.

The operator's drilling, cementing, casing and blowout prevention programs have been reviewed by the Geological Survey engineers and determined to be adequate.

Soils:

No detailed soil survey has been made of the project area. The top soils in the area range from a sandy clay to a clay type soil. The soil is subject to runoff from rainfall and has a high runoff potential and sediment production would be high. The soils are mildly to moderately alkaline and support sagebrush and mountain bush shrub types.

Top soil would be removed from the surface and stockpiled. The soil would be spread over the surface of disturbed areas when abandoned to aid in rehabilitation of the surface. Rehabilitation is necessary to prevent erosion and encroachment of undesired species on the disturbed areas. The operator proposes to rehabilitate the location and access roads per the recommendations of the Bureau of Land Management.

Approximately 1.0 acres of land would be stripped of vegetation. This would increase the erosional potential. Proper construction practice, construction of water bars, reseeding of slope-cut area would minimize this impact.

Air:

No specific data on air quality is available at the proposed location. There would be a minor increase in air pollution due to emissions from rig and support traffic engines. Particulate matter would increase due to dust from travel over unpaved dirt roads. The potential for increased air pollution due to leaks, spills, and fire would be possible.

Relatively heavy traffic would be anticipated during the drilling-operations phase, increasing dust levels and exhaust pollutants in the area. If the well was to be completed for production, traffic would be reduced substantially to a maintenance schedule with a corresponding decrease of dust levels and exhaust pollutants to minor levels. If the project results in a dry hole, all operations and impact from vehicular traffic would cease after abandonment. Due to the limited number of service vehicles and limited time span of their operation, the air quality would not be substantially reduced.

Toxic or noxious gases would not be anticipated.

Precipitation:

Annual rain fall should range from about 12 to 14" at the proposed location. The majority of the numerous drainages in the surrounding area are of a non-perennial nature flowing only during early spring runoff and during extremely heavy rain storms. This type of storm is rather uncommon as the normal annual precipitation is around 12".

Winds are medium and gusty, occurring predominately from West to East. Air mass inversions are rare. The climate is semi-arid with abundant sunshine, hot summers and cold winters with temperature variations on a daily and seasonal basis.

Surface Water Hydrology:

The local drainage is Northwest into Tent Canyon then into Bitter Creek. Bitter Creek is a tributary of the White River which is a tributary of the Green River.

Some additional erosion would be expected in the area since surface vegetation would be removed. If erosion became serious, drainage systems such as water bars and dikes would be installed to minimize the problem. The proposed project should have minor impact on the surface water systems. The potentials for pollution would be present from leaks or spills. The operator is required to report and clean-up all spills or leaks.

Ground Water Hydrology:

Some minor pollution of ground water systems would occur with the introduction of drilling fluids (filtrate) into the aquifer. This is normal and unavoidable during rotary drilling operations. The potential for communication, contamination and comingling of formations via the well bore would be possible. The drilling program is designed to prevent this. There is need for more data on hydrologic systems in the area and the drilling of this well may provide some basic information as all shows of fresh water would be reported. Water production with the gas would require disposal of produced water per the requirements of NTL-2B. The depths of fresh water formations are listed in the 10-Point Subsurface Protection Plan. The pits would be unlined. If fresh water should be available from the well, the owner or surface agency may request completion as a water well if given approval.

Vegetation:

The vegetation consists of sagebrush, varied mountain-bush-types and some scattered pine trees.

Proposed action would remove about 1.0 acres of vegetation. Removal of vegetation would increase the erosional potential and there would be a minor decrease in the amount of vegetation available for grazing.

The operator proposes to rehabilitate the surface upon completion of operations.

Wildlife:

The fauna of the area consists predominantly of mule deer, coyotes, rabbits, foxes, and varieties of small ground squirrels and other types of rodents and various types of reptiles. The area is used by man for the primary purpose of grazing domestic livestock and sheep. The birds

of the area are raptors, finches, ground sparrows, magpies, crows, and jays.

An animal and plant inventory has been made by the BLM. No endangered plants or animals are known to inhabit the project area.

Social-Economic Effect:

An on the ground surface archaeological reconnaissance would be required prior to approval of the proposed action. Appropriate clearances would then be obtained from the surface managing agency. If a historic artifact, an archaeological feature or site is discovered during construction operations; activity would cease until the extent, the scientific importance, and the method of mitigating the adverse effects could be determined by a qualified cultural resource specialist.

There are no occupied dwellings or other facilities of this nature in the general area. Minor distractions from aesthetics would occur over the lifetime of the project and is judged to be minor. All permanent facilities placed on the location would be painted a color to blend in with the natural environment. Present use of the area is grazing, recreation, and oil and gas activities.

Noise from the drilling operation may temporarily disturb wildlife and people in the area. Noise levels would be moderately high during drilling and completion operations. Upon completion, noise levels would be infrequent and significantly less. If the area is abandoned, noise levels should return to pre-drilling levels.

The site is not visible from any major roads. After drilling operations, completion equipment would be visible to passersby of the area but would not present a major intrusion.

The economic effect on one well would be difficult to determine. The overall effect of oil and gas drilling and production activity are significant in Uintah County.

But should this well discover a significant new hydrocarbon source, local, state, and possible national economics might be improved. In this instance, other development wells would be anticipated, with substantially greater environmental and economic impacts.

Should the wellsite be abandoned, surface rehabilitation would be done according to the surface agency's requirements and to USGS's satisfaction. This would involve leveling, contouring, reseeding, etc., of the location and possibly the access road. If the well should produce hydrocarbons, measures would be undertaken to protect wildlife and domestic stock from the production equipment.

There are no national, state, or local parks, forests, wildlife refuges or ranges, grasslands, monuments, trails or other formally designated recreational facilities near the proposed location.

The proposed location is within the Seep Ridge Planning Unit. This Environmental Assessment Record was compiled by the Bureau of Land Management, the surface managing agency of the Federal surface in the area. The study includes additional information on the environmental impact of oil and gas operations in this area and gives land use recommendations. The E.A.R. is on file in the agency's State offices and is incorporated herein by reference.

Waste Disposal:

The mud and reserves pits would contain all fluids used during the drilling operations. A trash cage would be utilized for any solid wastes generated at the site and would be hauled away at the completion of the operations. Sewage would be handled according to State sanitary codes. For further information, see the 13-Point Surface Plan.

Alternative to the Proposed Action:

(1) Not approving the proposed permit-The oil and gas lease grants the lessee exclusive right to drill for, mine, extract, remove and dispose of all oil and gas deposits. Under leasing provisions, the Geological Survey has an obligation to allow mineral development if the environmental consequences are not too severe or irreversible. Upon rehabilitation of the site, the environmental effects of this action would be substantially mitigated, if not totally annulled. Permanent damage to the surface and subsurface would be prevented as much as possible under USGS and other controlling agencies supervision with rehabilitation planning reversing almost all effects. Additionally, the growing scarcity of gas should be taken into consideration. Therefore, the alternative of not proceeding with the proposed action at this time is rejected.

(2) Minor relocation of the wellsite and access road or any special, restrictive stipulations or modifications to the proposed program would not significantly reduce the environmental impact. There are no severe vegetative, animal or archaeological-historical-cultural conflicts at the site. Since only a minor impact on the environment would be expected, the alternative of moving the location is rejected. At abandonment, normal rehabilitation of the area such as contouring, reseeding, etc., would be undertaken with an eventual return to the present status as outlined in the 13-Point Surface Plan.

(3) Drilling should be allowed provided the following mitigative measures are incorporated into the proposed APD and adhered to by the operator.

- a. The pits would be shortened to a 50 by 125 feet dimension to conform more closely with the actual plans of the operator and mitigate surface disturbance. ✓
- b. A trash cage would be used instead of a burn pit and all solid wastes generated at the site would be hauled away at the completion of the drilling activities. ✓
- c. The access road for the last 2.8 miles would be upgraded, straightened and widened to an 18' useable road with a 30 foot right-of-way. ✓
- d. The site receives a a threatened and endangered species clearance from BLM. ✓ See P. 5
- e. BLM Winter area shutdown regulations are adhered to, and the BLM is consulted with regarding any November completions operations. ✓

Adverse Environmental Effects Which Cannot Be Avoided:

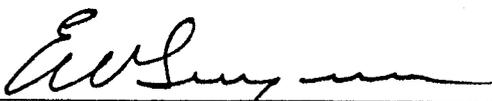
Surface disturbance and removal of vegetation from approximately 1.0 acres of land surface for the lifetime of the project which would result in increased and accelerated erosional potential. Grazing would be eliminated in the disturbed areas and there would be a minor and temporary disturbance of wildlife and livestock. Minor induced air pollution due to exhaust emissions from rig engines of support traffic engines would occur. Minor increase in dust pollution would occur due to vehicular traffic associated with the operation. If the well is a gas producer, additional surface disturbance would be required to install production pipelines. The potential for fires, gas leaks, and spills of oil and water would exist. During the construction and drilling phases of the project, noise levels would increase. Potential for sub-surface damage to fresh water aquifers and other geologic formations exists. Minor distractions from aesthetics during the lifetime of the project would exist. If the well is a producer, an irreplaceable and irretrievable committment of resources would be made. Erosion from the site would eventually be carried as sediment in the White River. The potential for pollution to the Bitter Creek would exist through leaks and spills.

Determination:

This requested action ~~does~~/does not constitute a major Federal action significantly affecting the environment in the sense of NEPA, Sec. 102(2)(C).

Date

9/7/79


District Engineer

U.S. Geological Survey
Conservation Division
Oil and Gas Operations
Salt Lake City District

U.S.G.S. SEVEN POINT SAFETY PLAN

CHANCELLOR & RIDGEWAY

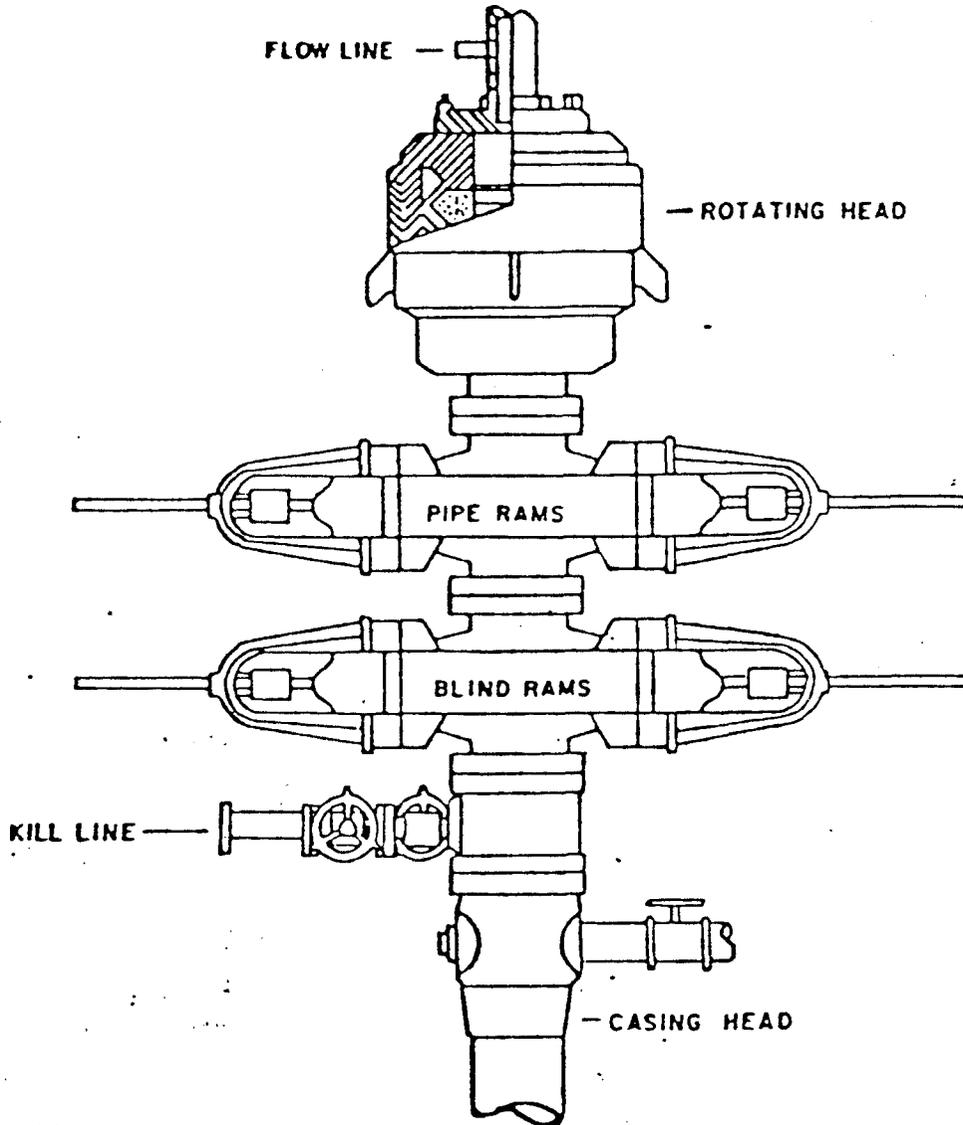
RAT HOLE UNIT NO. 4

1. Surface casing - 8-5/8" 24#/ft. H-40
2. Casinghead 8-5/8" x 5½", cement show, head, flange, B.O.P. with 2" choke manifold, kill line off B.O.P., all tested to 1,200#.
3. Production casing - 5½", J-55, 17#
4. B.O.P., blind rams, pipe rams to fit drill pipe. Rotating head for air or air-mist drilling.
5. Kill line, kelly cock, float at bit & full opening drill pipe valve on floor.
6. Maximum bottom hole pressure should not exceed 1100 psia.
7. Air-mist if possible, otherwise chem gel mud system, with 8.5 - 8.9#/gal., Vis. 30-45 sec/qt., WL 4-8 cc.

B.O.P.'s will be tested every 24 hour period and blind rams will be tested every trip.

WELL NO. Rat Hole Unit #4

BLOWOUT PREVENTER - 10" 900 SERIES



CHANCELLOR & RIDGEWAY

13 Point Surface Use Plan

For

Well Location

Rat Hole Unit #4

Located In

Section 13, T14S, R25E, S.L.B. & M.

Uintah County, Utah

CHANCELLOR & RIDGEWAY
Rat Hole Unit #4
Section 13, T14S, R25E, S.L.B. & M.

1. EXISTING ROADS

See attached Topographic Map "A".

To reach the Chancellor & Ridgeway well location, Rat Hole Unit #4, located in the SE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 13, T14S, R25E, S.L.B. & M. from Vernal, Utah:

Proceed East out of Vernal, Utah along U.S. Highway 40, 24 miles to its junction with Utah State Highway 45 to the South; proceed Southerly along this road 22 miles to Bonanza, Utah; proceed on along the same road 9.5 miles to its junction with Utah State Road 207 to the Southwest; proceed Southwesterly along this road 10 miles to Rainbow, Utah; proceed Southerly from Rainbow, Utah along the Atchee Ridge Road 23.8 miles to its junction with a road along the top of Lone Spring Ridge; proceed Westerly along this road 2.8 miles to the proposed location site.

The above described roads are bituminous surfaced from Vernal to Bonanza, at which point the roads are made from materials acquired during construction of the roads.

At the present time there is no construction anticipated on any of the above described roads. They will meet the requirements necessary to facilitate an orderly flow of traffic to and from this location site.

All of the above roads will be maintained to the standards required by all of the agencies involved.

2. PLANNED ACCESS ROAD

There will be no planned access road to this location site. (See Topographic Map "B") to see how the existing road enters the location site.

3. LOCATION OF EXISTING WELLS

There are no known water wells, abandoned wells, temporarily abandoned wells, disposal wells, drilling wells, producing wells, shut in wells, injection wells, monitoring or observation wells for other resources, within a one mile radius of this location site.

CHANCELLOR & RIDGEWAY
Rat Hole Unit #4
Section 13, T14S, R25E, S.L.B. & M.

4. LOCATION OF EXISTING AND PROPOSED FACILITIES

There are no tank batteries, production facilities, oil gathering lines, gas gathering lines, injection lines, or disposal lines within a one mile radius of this location site.

If production is established, the production will be contained in facilities within the location site.

It is not known at this time where production lines will be run, plans for these lines will be submitted if production is established.

The total area that is needed for the production of this well will be fenced and cattleguards will be utilized for access to these facilities.

The area will be built if possible, with native materials and if these materials are not available then the necessary arrangements will be made to get them from private sources.

If there is any deviation from the above, all appropriate agencies will be notified.

Rehabilitation of disturbed areas no longer needed for operations after construction is completed will meet the requirements of Item #10.

5. LOCATION AND TYPE OF WATER SUPPLY

See Topographic Map "A".

Water to be used for the drilling and production of this well will be hauled from Evacuation Creek near Watson, Utah, approximately 30 miles North of the location site. This water will be hauled by truck over existing roads and the proposed access road.

All regulations and guide lines will be followed and no deviations will be made unless all concerned agencies are notified.

There will be no water well drilled at this location site.

CHANCELLOR & RIDGEWAY
Rat Hole Unit #4
Section 13, T14S, R25E, S.L.B. & M.

6. SOURCE OF CONSTRUCTION MATERIALS

All construction material for this location site and access road shall be borrow material accumulated during construction of the location site and access road. No additional road gravels or pit lining material from other sources are anticipated at this time, but if they are required, the appropriate actions will be taken to acquire them from private sources.

The native material that will be used in the construction of this location site and access road will consist of sandy-clay soil and sandstone and shale material gathered in actual construction of the road and location.

7. METHODS FOR HANDLING WASTE DISPOSAL

A reserve and burn pit shall be constructed, and at least half of the depth of the reserve pit shall be below the existing ground surface. All trash and flammable materials will be burned in the burn pit. Non-flammable material such as cuttings, salts, chemicals etc., will be buried in the reserve pit and covered with a minimum of four feet of earth material. Prior to the onset of drilling, the fourth side of the reserve pit will be fenced and allowed to dry completely before backfilling and reclamation are attempted.

A portable chemical toilet will be supplied for human waste.

8. ANCILLARY FACILITIES

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. WELL SITE LAYOUT

See attached location layout sheet.

The B.L.M. District Manager shall be notified before any construction begins on the proposed location site and road.

As mentioned in Item #7, the pits will be unlined unless it is determined by the representatives of the agencies involved that the materials are too porous and would cause contamination to the surrounding area; then the pits will be lined with a gel and any other type of material necessary to make it safe and tight.

When drilling activities commence, all work shall proceed in a neat and orderly sequence.

CHANCELLOR & RIDGEWAY
Rat Hole Unit #4
Section 13, T14S, R25E, S.L.B. & M.

10. PLANS FOR RESTORATION OF SURFACE

As there is some topsoil on the location site, all topsoil shall be stripped and stockpiled. (See location layout sheet). When all drilling and production activities have been completed, the location site and access road will be reshaped to the original contour and stockpiled topsoil spread over disturbed areas. Fences around pits are to be removed upon completion of drilling activities and all waste being contained in the trash pit shall be buried with a minimum of 4' of cover. The reserve pit will be completely fenced and allowed to dry before covering. When restoration activities have been completed, the location site and access ramp shall be reseeded with a seed mixture recommended by the B.L.M. District Manager when the moisture content of the soil is adequate for germination. The Lessee further covenants and agrees that all of said cleanup and restoration activities shall be done and performed in a diligent and most workmanlike manner and in strict conformity with the above mentioned Items #7 and #10.

11. OTHER INFORMATION

The Topography of the General Area - (See Topographic Map "A")

The area slopes from the rim of the Book Cliff Mountains to the South to the White River to the North, and is a portion of the Roan Plateau. The area is interlaced with numerous canyons and ridges which are extremely steep with numerous ledges formed in sandstone, conglomerates, and shale deposits.

The majority of the washes and streams in the area are non-perennial in nature with the only two in the area having a year round flow being Rat Hole Canyon to the West and the White River to the North, of which the numerous washes, draws and non-perennial streams are tributaries to the White River.

The majority of the surrounding drainages are of a non-perennial nature with normal flow limited to the early spring and extremely rare heavy thunderstorms, or rain storms of high intensity that lasts over an extended period of time and are extremely rare in nature as the normal annual precipitation is only 8".

All drainages in the immediate area are non-perennial streams and flow to the North and are tributaries to the White River.

CHANCELLOR & RIDGEWAY
Rat Hole Unit #4
Section 13, T14S, R25E, S.L.B. & M.

11. OTHER INFORMATION - Continued

The soils of this semi-arid area are of the Uinta Formation and Duchesne River Formation (the Fluvial Sandstone and Mudstone) from the Eocene Epoch and Quaternary Epoch (gravel surfaces) and visible geologic structure consists of light brownish-gray clays (OL) to sandy soils (SM-SL) with poor gravels and shales with outcrops of rock (sandstone, mudstone, conglomerates, and shales).

Due to the low precipitation average, climatic conditions and the marginal types of soils, the vegetation that is found in the area are common of the semi-arid region we are located in and in the lower elevations of the Uinta Basin. It consists of, as primary flora, areas of sagebrush, rabbitbrush, some grasses, and cacti, and large areas of bare soils devoid of any growth in the areas away from and in the vicinity of non-perennial streams, cottonwood, willows, tamarack, sagebrush, rabbitbrush, grasses and cacti can be found.

The fauna of the area is sparse and consists predominantly of the mule deer, coyotes, pronghorn antelope, rabbits, and varieties of small ground squirrels and other types of rodents, and various reptiles common to this area.

The birds of the area are raptors, finches, ground sparrows, magpies, crows and jays.

The area is used by man for the primary purpose of grazing domestic livestock.

The Topography of the Immediate Area - (See Topographic Map "B")

Rat Hole Unit #4 sits on top of a large ridge known as Lone Spring Ridge, this ridge separates Rat Hole Canyon and Tent Canyon both of which run together and then drain to the North into the White River, ~~to the North.~~

The geologic structure of the location is of Uinta Formation and consists of light brownish-gray clay (SP-CL) with some sandstone outcrops.

The ground slopes from the Southeast through the location to the Northwest at approximately a 5% grade into Tent Canyon.

CHANCELLOR & RIDGEWAY
Rat Hole Unit #4
Section 13, T14S, R25E, S.L.B. & M.

11. OTHER INFORMATION - Continued

The location is covered with some sagebrush and grasses.

The total surface ownership effected by this location is owned by the B.L.M.

There are no occupied dwellings or other facilities of this nature in the general area.

There are no visible archaeological, historical, or cultural sites within any reasonable proximity of the proposed location site. (See Topographic Map "B")

12. LESSEE'S OR OPERATOR'S REPRESENTATIVE

W.E. Ridgeway
2000 Western Federal Savings Bldg. 718 17th Street
Denver, Colorado 80202
ATTN: C.E. Chancellor
Telephone: 303-292 1350

13. CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site 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 Chancellor & Ridgeway and its contractors and sub-contractors in conformity with this plan and terms and conditions under which it is approved.

7-10-79
Date

By C.E. Chancellor
W.E. Ridgeway

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse side)

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
 Chancellor & Ridgeway

3. ADDRESS OF OPERATOR
 718 17th St., Suite 2000, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
 At surface
 2269 FWL, 249 FSL (SE SW) Sec. 13-14S-25E
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Approx. 40 miles south of Bonanza, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 249 feet

16. NO. OF ACRES IN LEASE 80

17. NO. OF ACRES ASSIGNED TO THIS WELL 360

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 5620

19. PROPOSED DEPTH 5620

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 8249' ground

22. APPROX. DATE WORK WILL START*
 Sept. 25, 1979

5. LEASE DESIGNATION AND SERIAL NO.
 U-18533

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
 Rat Hole Unit

8. FARM OR LEASE NAME
 Federal

9. WELL NO.
 4

10. FIELD AND POOL, OR WILDCAT
 Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 13-T14S-R25E, SLM

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
11" or 12 1/4"	8-5/8 new	24#	200'	cement to surface
7-7/8"	5-1/2 new	17#	5600'	300 sacks

Proposed drilling program: Drill 11/12 1/4" hole to 200', set 8-5/8" casing at 190' and cement to surface. Nipple up and test BOP and casing to 1200 psi. Drill 7-7/8" hole below surface casing to 5620' using air or inhibited mist as circulating medium. If necessary to mud up use 8.5 - 8.8 lbs/gal 2% KCL water gel. No cores or DST's planned; however well will be continuously tested while air drilling. No oil shows expected. Some water may be encountered in Castlegate at 4050'. Anticipated gas zone in Mancos "B" 5020'-5550' with maximum bottom hole pressure 1100 psi. At TD fill hole with 2% KCL water and run GR-DIL & FDC-CNL logs from TD to surface casing. Run 5 1/2" casing to 60' below base of Mancos "B" and cement thru all potentially productive formations. Install tubing head and cap and move out rotary rig.

(continued on reverse side)

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 C. E. Chancellor TITLE Partner DATE July 10, 1979
C. E. Chancellor
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING

DATE: 7-19-79

BY: M. J. Anderson

*See Instructions On Reverse Side

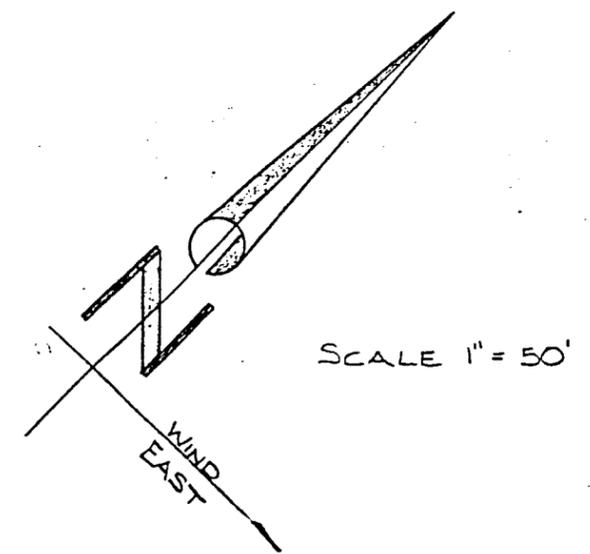
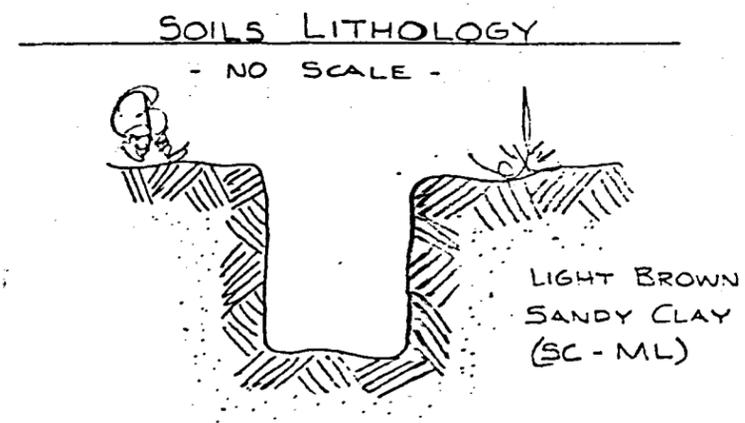
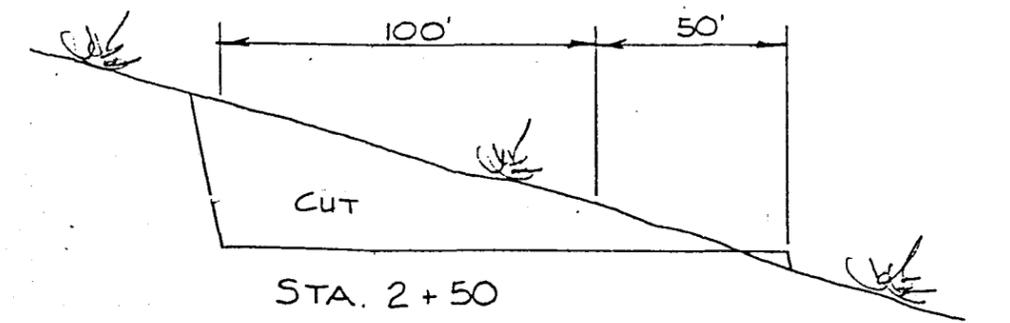
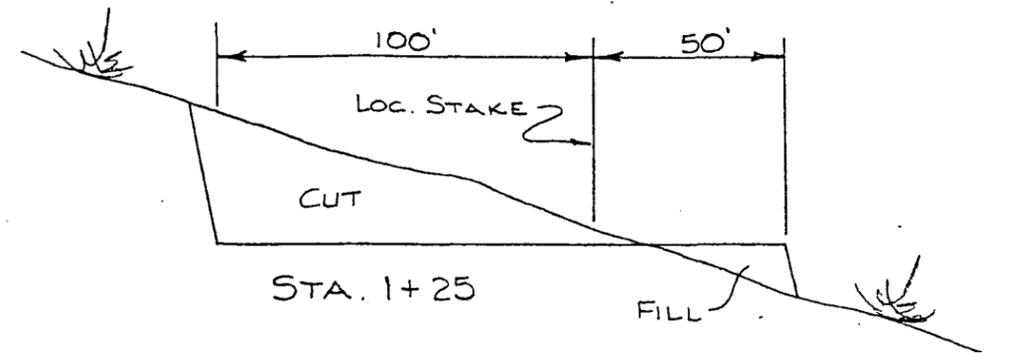
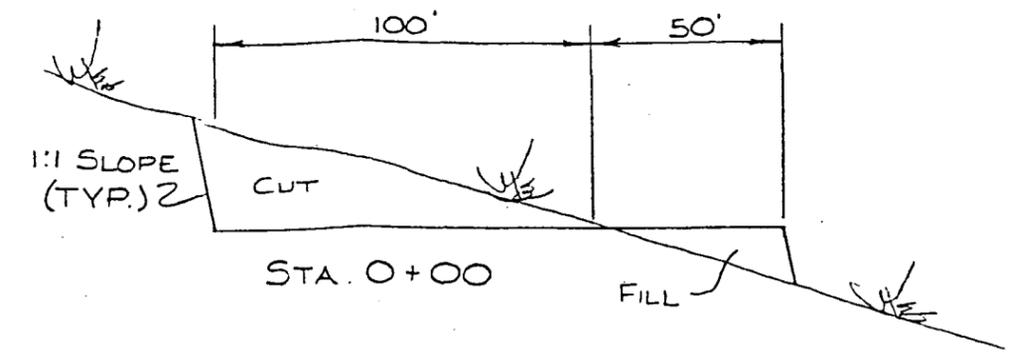
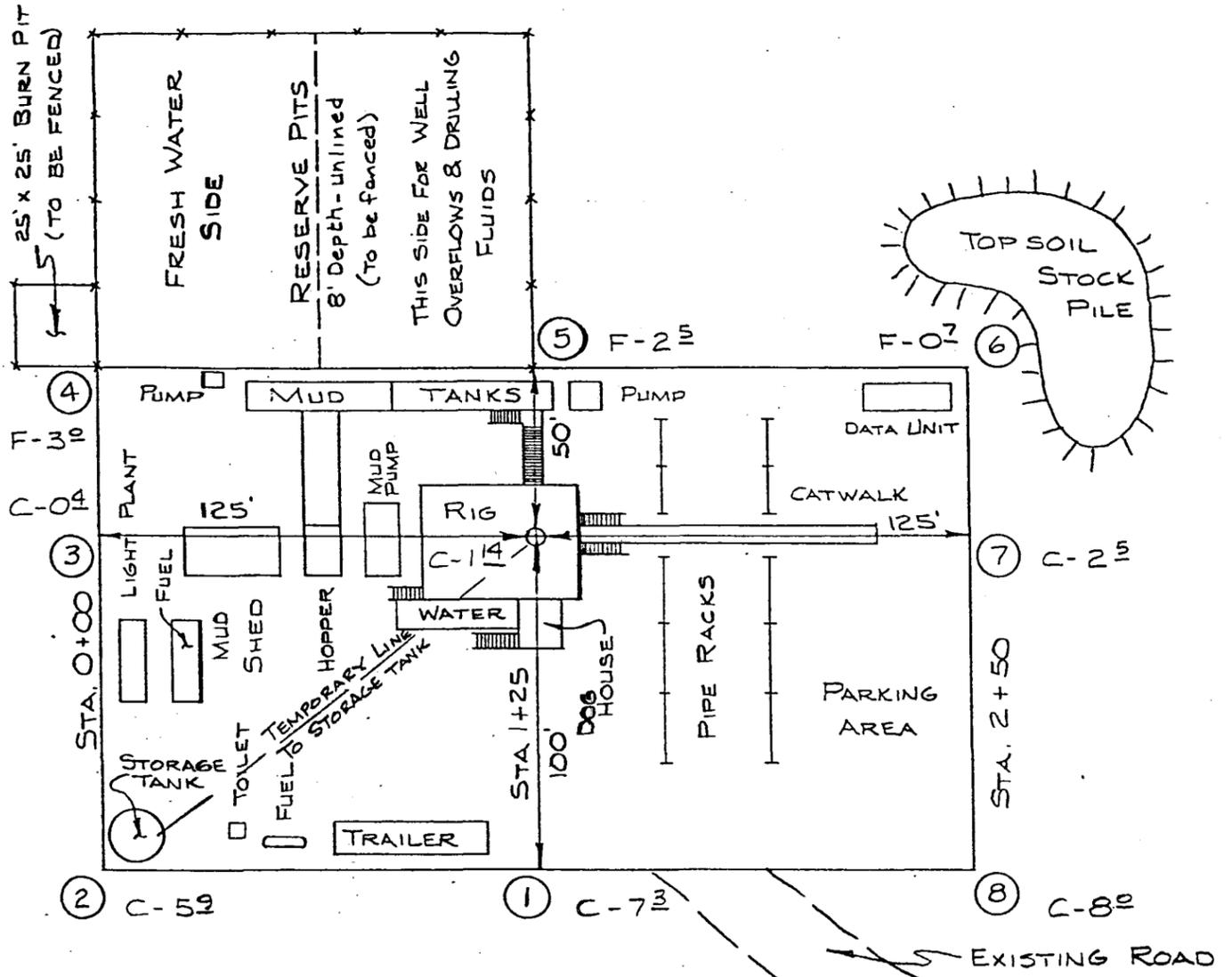
Estimated depths of geologic markers: Mesa Verde - surface
Castlegate - 4050'
Mancos "B" - 5020'
Base Mancos "B" - 5550'

Estimated drilling time thru setting of 5½" casing is 11 days.

Proposed completion program:

Move in service rig, install BOP's and pressure test to 2000 psi. Run cement bond and Gamma Ray correlation logs. Perforate Mancos "B" zone with approximately 20 holes. Run 1-1/2" EUE tubing to bottom perforation and nipple up wellhead. Hook up frac trucks and pressure test surface connections to 5000 psi. Break down with 1000 gallons 7½% HCL acid and fracture treat Mancos perfs with 80,000 gals gelled KCL water containing 750 scf of CO₂ per barrel and 200,000 lbs. sand. Blow and swab well to pit until cleaned up and test productivity. Shut well in, clean location and fence pits pending installation of production facilities and final surface restoration. Estimated completion time 7 days.

CHANCELLOR & RIDGEWAY
 RAT HOLE UNIT # 4
 LOCATION LAYOUT & CUT SHEET



U 2 0 - 4 0 F 5 U S U R R

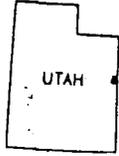
APPROX. YARDAGES

CUT 4,308 CU. YDS.
 FILL 378 CU. YDS.

CHANCELLOR & RISEWAY
PROPOSED LOCATION
RAT HOLE UNIT # 4

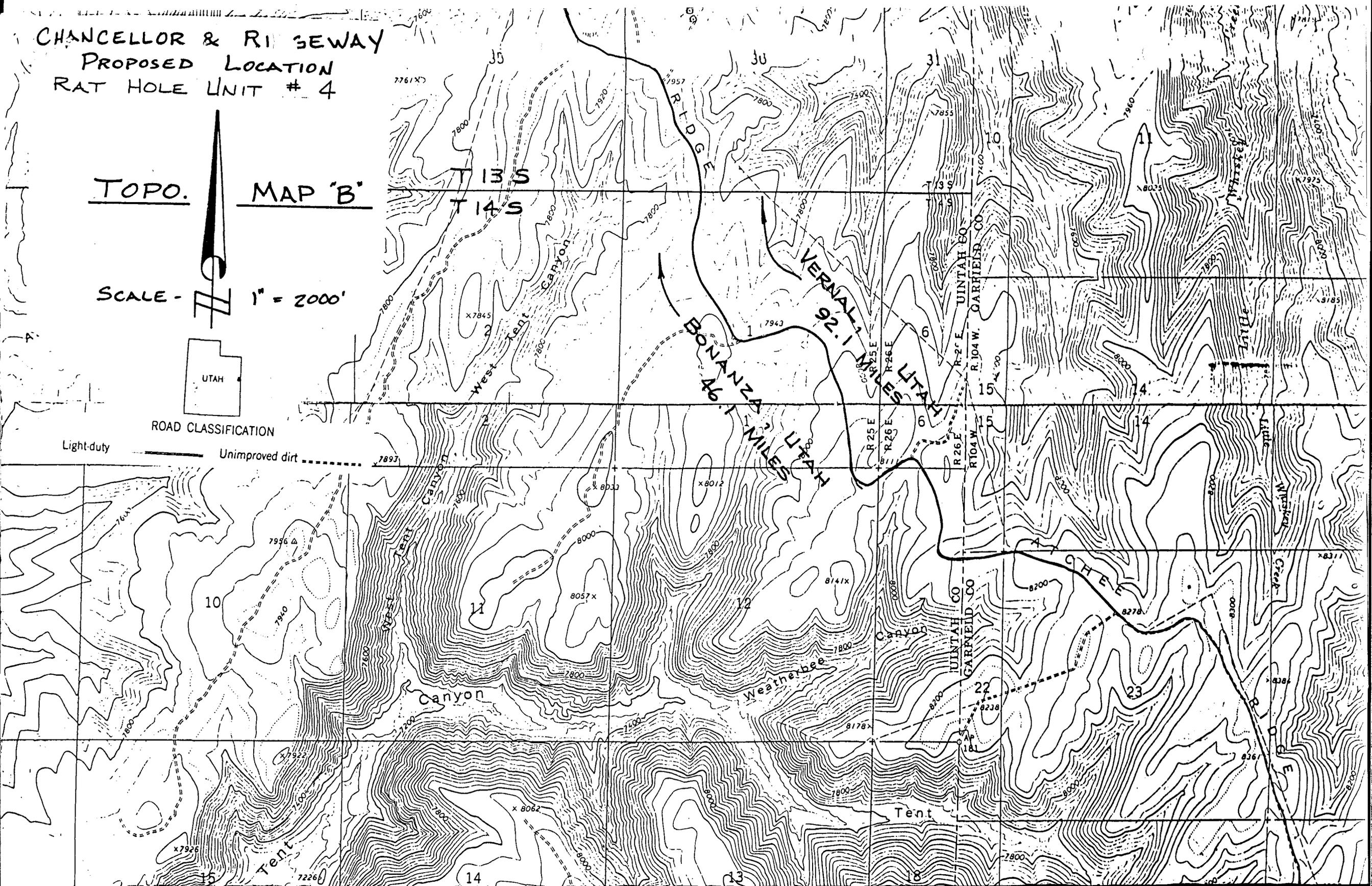
TOPO. MAP 'B'

SCALE - 1" = 2000'



ROAD CLASSIFICATION

Light-duty ——— Unimproved dirt - - - - -



STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING

** FILE NOTATIONS **

Date: July 16, 1979
Operator: Chancellor & Ridgeway
Well No: Rat Hole Unit #4
Location: Sec. 13 T. 14S R. 25E County: Uintah

File Prepared: Entered on N.I.D.:
Card Indexed: Completion Sheet:

√ APT Number: 43-047-30598

CHECKED BY:

Administrative Assistant: _____
Remarks:
Petroleum Engineer: _____
Remarks:
Director: _____
Remarks:

INCLUDE WITHIN APPROVAL LETTER:

Bond Required: Survey Plat Required:
Order No. _____ Surface Casing Change
to _____
Rule C-3(c), Topographic exception/company owns or controls acreage
within a 660' radius of proposed site
O.K. Rule C-3 O.K. In _____ Unit

Other:

Letter Written/Approved
Wm

September 18, 1979

Chancellor and Ridgeway
718 17th Street, Suite 2000
Denver, Colorado 80202

Re: Well No. Rat Hole Unit #3, Sec. 25, T. 14S, R. 25E., Uintah County, Utah
Well No. Rat Hole Unit #4, Sec. 13, T. 14S, R. 25E., Uintah County, Utah

Dear Sir:

Insofar as this office is concerned, approval to drill the above referred to 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 these wells, you are hereby requested to immediately notify one of the following:

FRANK M. HAMNER
Chief Petroleum Engineer
Office: 533-5771
Home: 531-7827

MICHAEL T. MINDER
Geological Engineer
Office: 533-5771
Home: 876-3001

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 numbers assigned to these wells are #3-43-047-30627, #4 -
43-047-30628.
30598

Sincerely,
DIVISION OF OIL, GAS AND MINING

Michael T. Minder
Geological Engineer

/b:tm

cc: USGS

FILE IN TRIPLICATE
FORM OGC-8-X

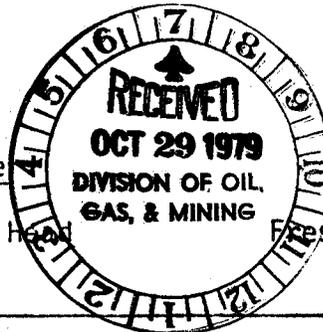
STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1588 West North Temple
Salt Lake City, Utah 84116

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number RAT HOLE UNIT NO. 4
Operator CHANCELLOR & RIDGEWAY Address 2000 Western Fed. Bldg.
718 17th St. Denver, Co. 80202
Contractor CHANDLER & ASSOCIATES Address 1401 Denver Club Bldg. Denver, Co.
80202
Location SE 1/4 SW 1/4 Sec. 13 T. 14S R. 25E County Uintah

Water Sands

Depth	Volume	Quality			
			From	To	Flow Rate or Head
1.					
2.					
3.					
4.					
5.					



(Continue on reverse side if necessary)

Formation Tops (K.B. Depths)
CASTLEGATE 3894'
MANCOS "B" 4845'
BASE MANCOS "B" 5400'

Remarks

Well drilled with 8.5 to 9.0# mud. No water flows encountered.

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
(FORM 9-329)
(2/76)
OMB 42-RO 356

MONTHLY REPORT
OF
OPERATIONS

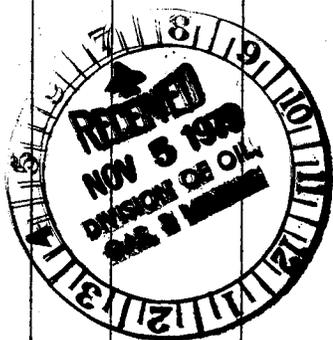
Lease No. U-18533
Communitization Agreement No. _____
Field Name _____
Unit Name RAT HOLE
Participating Area _____
County UINTAH State UTAH
Operator CHANCELLOR & RIDGEWAY
 Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of October, 19 79

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks	
4	13 SE SW	14S	25E	TA	0	0	0	0	*	
						*	Spudded 10/8/79. T.D. 5690'. Set 5 1/2" casing @ 5484' w/185sx RFC cement. Moved out rotary rig. Temporarily abandoned for winter due to Federal lease stipulations. Will resume completion operations June/July, 1980.			



*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month	_____	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Produced	None	None	None
*Sold	_____	_____	XXXXXXXXXXXXXXXXXX
*Spilled or Lost	_____	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXX	_____	XXXXXXXXXXXXXXXXXX
*Used on Lease	_____	_____	XXXXXXXXXXXXXXXXXX
*Injected	_____	_____	_____
*Surface Pits	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	_____
*Other (Identify)	_____	_____	_____
*On hand, End of Month	_____	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	_____	_____	XXXXXXXXXXXXXXXXXX

Authorized Signature: W. E. Ridgway
Title: Partner

Address: 5043 S. Fulton, Tulsa, Okla. 74135

Page 1 of 1

2-USGS-Casper 1-Coseka-Denver
2-St. of Utah-SLC 1-CEC-Denver
1-File

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-18533

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

RAT HOLE UNIT

8. FARM OR LEASE NAME

FEDERAL

9. WELL NO.

4

10. FIELD AND POOL, OR WILDCAT

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

Sec. 13-14S-25E. S.L.M.

12. COUNTY OR PARISH 13. STATE

UINTAH

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.)

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
CHANCELLOR & RIDGEWAY

3. ADDRESS OF OPERATOR
2000 Western Fed. Bldg., 718-17th St., Denver, Colo. 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
249' FSL, 2269' FWL (SE SW) Sec. 13-T14S-R25E
API NO. 43-047-30598

14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.)
GR. - 8249; KB - 8261'

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) <u>Supplementary History</u> <input checked="" type="checkbox"/>	
(Other) <u>Temporarily Abandon</u> <input checked="" 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.)*

T.D. 5690'; PBSD-5453'; Temporarily Abandoned until Spring, 1980.

Spudded 10/8/79. Set 9 5/8" O.D., 32.3#, H-40 casing at 306' KB and cemented with 150 sx. Cement to surface. Tested BOP rams & casing to 1500 psi. Drilled 7 7/8" hole to 5690' with 3% KCL water. Ran Dual Induction Lateralog and Compensated Neutron/Density Logs from TD to surface casing. Set 5 1/2" OD, 15.5#, K-55 casing at 5484' and cemented with 185 sx. RFC 10-2. Displaced plug to 5453 w/3% KCL water. Landed casing in slips and released rotary rig @ 2:00 p.m., October 18, 1979.

Moved out rig, installed plate in top of 5 1/2" casing, fenced pits and cleaned location. Operations suspended and well temporarily abandoned until Spring, 1980, in compliance with lease stipulations.

APPROVED BY THE DIVISION OF LOG TOPS: CASTLEGATE 3010' KB
OIL, GAS, AND MINING MANCOS "B" 3964' KB
DATE: Nov. 9, 1979 BASE MANCOS "B" 4498' KB

BY: Frank M. Hannel



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

SIGNED W. E. Ridgeway TITLE PARTNER DATE October 31, 1979

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

- cc: 3-USGS-S.L.C. 1-W.H. PEASE 1-CALALTA-Denver
3-State-S.L.C. ✓ 1-R.H. DEV. CO 1-C.E.C.
1-CIG-Denver 1-Coseka
1-MFS-S.L.C. 1-P.T.S.-Denver 1-File

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE*
(Other instructions on re-verse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-18533

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

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

1.

OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR

CHANCELLOR & RIDGEWAY

3. ADDRESS OF OPERATOR

4000 Western Fed. Bldg, 718-17th St, Denver, Colo. 80202

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

249' FSL, 2269' FWL (SE SW) Sec.13-T14S-R25E

API NO. 43-047-30598

14. PERMIT NO.

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

GR. - 8249; KB - 8261'

7. UNIT AGREEMENT NAME

RAT HOLE UNIT

8. FARM OR LEASE NAME

FEDERAL

9. WELL NO.

4

10. FIELD AND POOL, OR WILDCAT

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

Sec.13-14S-25E S.L.M.

12. COUNTY OR PARISH

Uintah

13. STATE

Utah

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other) Resume Operations

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

X

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

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

17. 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.)*

Following the winter shut down required by lease stipulations, we propose to resume operations and complete the subject well in accordance with the previously approved program set forth in the Application for Permit to Drill.

The estimated starting date will be July 10, 1980, and approximately 7-10 days completion time will be required.

RECEIVED
APR 14 1980

DIVISION OF
OIL, GAS & MINING

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

SIGNED

W. H. Pease

TITLE

PARTNER

DATE

April 11, 1980

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

cc: 3-USGS-S.L.C. 1-W.H. Pease
3-State-S.L.C. 1-R.H. Dev. Co.
1-c Johnson 1-CEC
1-File

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
(FORM 9-329)
(2/76)
OMB 42-RO 356

MONTHLY REPORT
OF
OPERATIONS

Lease No. U-18533
Communitization Agreement No. _____
Field Name _____
Unit Name RAT HOLE
Participating Area _____
County UINTAH State UTAH
Operator CHANCELLOR & RIDGEWAY
 Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of September, 19 80

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
4	SE SW 13	14S	25E	Drg.	0	0	0	0	Shut in. Waiting on service rig.

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month	_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*Produced	none	none	none
*Sold	_____	_____	XXXXXXXXXXXXXXXXXXXX
*Spilled or Lost	_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXXXX	_____	XXXXXXXXXXXXXXXXXXXX
*Used on Lease	_____	_____	XXXXXXXXXXXXXXXXXXXX
*Injected	_____	_____	_____
*Surface Pits	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	_____
*Other (Identify)	_____	_____	_____
*On hand, End of Month	_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
API Gravity/BTU Content	_____	_____	XXXXXXXXXXXXXXXXXXXX

Authorized Signature: W. E. Ridgeway Address: 5043 S. Fulton, Tulsa, Okla. 74135
Title: PARTNER Page 1 of 1
cc: 2-USGS-Casper 1-CEC
2-St. of Utah 1-File
1-Coseka-Denver

October 8, 1980

Chancellor & Ridgeway
4000 Western Federal Building
718-17th Street
Denver, Colorado 80202

RE: Well No. Rat Hole Unit #4
Sec. 13, T. 14S, R. 25E.,
Uintah County, Utah

Well No. Rat Hole Unit #3
Sec. 25, T. 14S, R. 25E.,
Uintah County, Utah
(August and September 1980)

Gentlemen:

Our records indicate that you have not filed the monthly drilling reports for the months indicated above on the subject wells. Our records indicate that Operations were to be resumed approximately July 10, 1980.

Rule C-22, General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. This report may be filed on Form OGC-1B, (U.S. Geological Survey Form 9-331) "Sundry Notices and Reports on Wells", or on company forms containing substantially the same information. We are enclosing forms for your convenience.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

BARBARA HILL
CLERK TYPST

/bjh
Enclosures: Forms

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse 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.)

5. LEASE DESIGNATION AND SERIAL NO.

U-21573

PA

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

100702

7. UNIT AGREEMENT NAME

RAT HOLE UNIT

8. FARM OR LEASE NAME

FEDERAL

9. WELL NO.

4

10. FIELD AND POOL, OR WILDCAT

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

Sec. 13-14S-25E, S.L.M.

12. COUNTY OR PARISH 13. STATE

UINTAH

UTAH

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
CHANCELLOR & RIDGEWAY

3. ADDRESS OF OPERATOR
5153 East 51st, Suite 101, Tulsa, Oklahoma 74135

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

249' FSL, 2269' FWL (SE SW Sec. 13-T14-R25E

API No. 43-047-30598

14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.)

GR - 8249 KB - 8261'

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)

PELL OR ALTER CASING
MULTIPLE COMPLETE
ABANDON*
CHANGE PLANS

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

REPAIRING WELL
ALTERING CASING
ABANDONMENT*

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

17. 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.)*

Surface restoration and reseedling has been completed in accordance with BLM stipulations and the location is ready for final inspection.

RECEIVED

OCT 6 1987

DEPARTMENT OF OIL

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

SIGNED W. C. Ridgeway

TITLE PARTNER

DATE Sept. 28, 1987

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

cc: BLM-Vernal (3)

St. of Utah (2) ✓

CEC-Denver

File

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

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

14

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
CHANCELLOR & RIDGEWAY

3. ADDRESS OF OPERATOR
718 Seventeenth St., Suite 2000, Denver, Colo. 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 249' FSL, 2269' FWL(SE SW) Sec. 13-14S-25E

At top prod. interval reported below
At total depth

API No. 43-047-30598

14. PERMIT NO. 43-047-30598 DATE ISSUED 7-19-79

5. LEASE DESIGNATION AND SERIAL NO.
U-18533

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N.A.

7. UNIT AGREEMENT NAME
RAT HOLE UNIT

8. FARM OR LEASE NAME
FEDERAL

9. WELL NO.
4

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., N., OR BLOCK AND SURVEY OR AREA
Sec. 13, T. 14S, R. 25E

12. COUNTY OR PARISH Uintah 13. STATE Utah

15. DATE SPUDDED 10/8/79 16. DATE T.D. REACHED 10/17/80 17. DATE COMPL. (Ready to prod.) 10/11/80 18. ELEVATIONS (DF, REB, RT, GR, ETC.)* KB 8261 19. ELEV. CASINGHEAD 8249

20. TOTAL DEPTH, MD & TVD 5690 21. PLUG, BACK T.D., MD & TVD 5452 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY → 23. INTERVALS DRILLED BY → 23. INTERVALS DRILLED BY → ROTARY TOOLS 0-5690 CABLE TOOLS None

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 4898 - 5239 MANCOS "B" 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN D.I.L. W/S.P., Comp. Neutron/Density w/G.R. & Caliper 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	306	12 1/4"	150sx.RFC 10-3 Cement to	surface
5 1/2"	15.5# K-55	5494	7 7/8"	185sx. RFC 10-2	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
None					1.9"	5182	None

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

28 Holes (.42 dia.) 1 each at: 4898, 4906-12-18-24-30-36-42-48 4954-60-65-70-79-96, 5002-21-29 5113-21-96, 5201-06-15-19-29-34-39	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	4898 - 5239	1500 gals. 7 1/2% HCL Acid
	4898 - 5239	70,000 gals. Gelled KCL wtr. with 273,000# sand & 83T.CO ₂

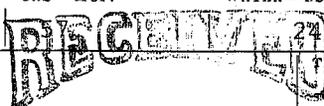
33.* PRODUCTION

DATE FIRST PRODUCTION _____ PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Swabbing & Flowing WELL STATUS (Producing or shut-in) shut-in

DATE OF TEST 10/10/80 HOURS TESTED 6 CHOKE SIZE 3/8" PROD'N. FOR TEST PERIOD → OIL—BBL. GAS—MCF. WATER—BBL. GAS-OIL RATIO

FLOW. TUBING PRESS. 8 CASING PRESSURE 235 CALCULATED 24-HOUR RATE → OIL—BBL. GAS—MCF. WATER—BBL. OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented 35. LIST OF ATTACHMENTS Logs previously supplied



WITNESSED BY W. H. Reese

NOV 3 1980

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED W. E. Silgumy TITLE PARTNER DIVISION OF OIL, GAS & MINING DATE 10/27/80

cc: 2-USGS-SLC
2-USGS-Casper
2-St. of Utah
1-CIG-Denver

(See Instructions and Spaces for Additional Data on Reverse Side)
Coseka WHP CFC
P.T.S. RHD MFS
Calalta CLJ WER

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION-USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

DESCRIPTION, CONTENTS, ETC.

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP TRUE VERT. DEPT.
				MESA VERDE	SURFACE	
				CASTLEGATE	3894	
				BASE MANCOS "B"	5400	

38. GEOLOGIC MARKERS

CHANCELLOR & RIDGEWAY

PETROLEUM PRODUCERS

5043 SOUTH FULTON

SUITE # 5

TULSA, OKLAHOMA 74135

PHONE: (918) 628-1008

October 29, 1980

Department of Natural Resources
State of Utah
Division of Oil, Gas & Mining
1588 West North Temple
Salt Lake City, Utah 84116

Re: Rat Hole Unit Well No. 4
SE SW Sec. 13-14S-25E, Uintah Co., Utah
Lease No. U-18533

Gentlemen:

Referring to the attached Monthly Report of Operations for October, 1980, you will note that the subject well has been completed as a gas well and is now shut in and temporarily abandoned while waiting on pipeline.

Since there is no possibility of obtaining a pipeline connection for the subject well for at least one year, and probably longer, we propose to discontinue the filing of Monthly Operations Reports until there is some change in the well status. In the absence of your instructions to the contrary, we shall assume that this proposal meets with your approval.

Yours very truly,

CHANCELLOR & RIDGEWAY

BY:

W. E. Ridgeway
W. E. RIDGEWAY

RECEIVED

NOV 3 1980

DIVISION OF
OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
(FORM 9-329)
(2/76)
OMB 42-RO 356

MONTHLY REPORT
OF
OPERATIONS

Lease No. U-18533
Communitization Agreement No. _____
Field Name _____
Unit Name RAT HOLE
Participating Area _____
County UINTAH State UTAH
Operator CHANCELLOR & RIDGEWAY
 Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of October, 19 80

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
4	SE SW 13	14S	25E	GSI	0	0	0	0	Moved in service rig. Replaced 2 3/8" tbg. with 1 1/2" tubing. Swabbed well in & ran 6 hr. test. 57 MCF/D with estimated 1-2 BWPH. Shut in & temporarily abandoned.

RECEIVED

NOV 3 1980

DIVISION OF
OIL, GAS & MINING

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month	_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*Produced	none	none	none
*Sold	_____	_____	XXXXXXXXXXXXXXXXXXXX
*Spilled or Lost	_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXXXX	_____	XXXXXXXXXXXXXXXXXXXX
*Used on Lease	_____	_____	XXXXXXXXXXXXXXXXXXXX
*Injected	_____	_____	_____
*Surface Pits	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	_____
*Other (Identify)	_____	_____	_____
*On hand, End of Month	_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	_____	_____	XXXXXXXXXXXXXXXXXXXX

Authorized Signature: W.K. Ridgway Address: 5043 S. Fulton, Tulsa, Okla. 74135

Title: PARTNER Page 1 of 1

cc: 2 USGS-Casper 1-CEC
2 St. of Utah 1-File
1 Coseka-Denver

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE (Other instructions on reverse side)

Form approved. Budget Bureau No. 42-R1424. LEASE DESIGNATION AND SERIAL NO.

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL [] GAS WELL [X] OTHER []
2. NAME OF OPERATOR: CHANCELLOR & RIDGEWAY
3. ADDRESS OF OPERATOR: 2000 Western Fed. Bldg., 718-17th St., Denver, Colo. 80202
4. LOCATION OF WELL: 249' FSL, 2269' FWL (SE SW) Sec. 13-T14S-R25E
API NO. 43-047-30598
14. PERMIT NO.
15. ELEVATIONS: GR. - 8249 KB - 8261'

U-18533
7. UNIT AGREEMENT NAME: RAT HOLE UNIT
8. FARM OR LEASE NAME: FEDERAL
9. WELL NO.: 4
10. FIELD AND POOL, OR WILDCAT
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 13-14S-25E. S.L.M.
12. COUNTY OR PARISH: UINTAH
13. STATE: UTAH

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data
NOTICE OF INTENTION TO: TEST WATER SHUT-OFF [] FRACTURE TREAT [] SHOOT OR ACIDIZE [] REPAIR WELL [] (Other) Temporarily Abandon [X]
SUBSEQUENT REPORT OF: WATER SHUT-OFF [] FRACTURE TREATMENT [] SHOOTING OR ACIDIZING [] (Other) Supplementary History [X]

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.)
Rigged up workover rig and installed B.O.P. Ran GR/CBL/Collar Logs from PBDT 5394 to 3750 KB. Perforated 28 holes (.42 dia.) at the following depths:
4898-4906-12-18-24-30-36-42-48-54-60-65-70-79-96
5002-21-29-5113-21-96-5201-06-15-19-29-34-39
Picked up RTTS packer and ran on 2 3/8" EUE Tubing to 4860. Set packer and brokedown perforations w/1500 gals. 7 1/2% HCL acid and 60 - 7/8" RCN balls. Average injection rate 5 BPM @2100psi. Flushed with 24 bbls. KCL water. ISIP - 700psi, 5 min.-600psi, 10 min.-600psi. Swabbed back 40 bbls of load with show of gas too small to measure. Pulled & layed down packer. Ran 2 3/8" tubing to 4890' & flanged up wellhead.
Fracture treated down tubing & annulus with 70,000 gals. gelled KCL water, 85 tons CO2 63,000 lbs. 100 mesh & 200,000 lbs. 20/40 sand. Avg. injection rate 65 BPM @3500 psi. ISIP - 500psi, 3 min - 450psi. Flowed & Swabbed estimated 1150 bbls of load and casing sanded up to 5200'. Moved in air compressors and booster and cleaned out casing to 5410'. Hung 2 3/8" tubing at 5208' and resumed swabbing. Well flowed flamable gas repeatedly but loaded up and died. Replaced 2 3/8" tubing with 1.9" O.D. tubing hung at 5182'. Swabbed well in and ran 6 hr. test producing gas at average rate of 57 MCF/D with heavy mist of water estimated at 1 BWPB.
Closed well in on 10/11/80, cleaned location and released rig. Well temporarily abandoned pending construction of pipeline to area which is not anticipated before summer of 1982.

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING

RECEIVED stamp

18. I hereby certify that the foregoing is a true and correct copy of the original.
DATE: 11/11/80
SIGNED: [Signature]
DATE: October 31, 1980

APPROVED BY: [Signature] TITLE: [Blank]
CONDITIONS OF APPROVAL, IF ANY:
cc: 3 USGS-SLC WHP CALALTA
3 St. SLC RHD CEC
1 CIG Denver Coseka File
1 MFS-SLC PTS-Denver
*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-18533

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR Designated Agent Name of Unit Operator
CHANCELLOR & RIDGEWAY COSEKA RESOURCES (USA) LTD.

3. ADDRESS OF OPERATOR
200 Writer Square, 1512 Larimer Street, Denver, CO, 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
249' FSL, 2269' FWL (SE SW) Sec. 13T14S-R25E

API NO. 43-047-30598

14. PERMIT NO. _____ 15. ELEVATIONS (Show whether DF, RT, GR, etc.)
GR. - 8249 KB - 8261'

7. UNIT AGREEMENT NAME
RAT HOLE UNIT

8. FARM OR LEASE NAME
FEDERAL

9. WELL NO.
4

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 13-14S-25E. S.L.M.

12. COUNTY OR PARISH UINTAH 13. STATE UTAH

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) <input type="checkbox"/>	(Other) <input type="checkbox"/>
(Other) <u>Change of Operator</u> <input checked="" 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 was drilled and completed by CHANCELLOR & RIDGEWAY as designated agent for the Rat Hole Unit Operator, Coseka Resources (U.S.A.) Ltd. Upon completion in October, 1980, the well was shut in and temporarily abandoned pending construction of a pipeline to the area. The well has remained in this status to date and there is no prospect for change in the near future.

Operating and reporting responsibility for the well reverted, upon completion, to Coseka Resources under the provisions of the Unit Operating Agreement.

RECEIVED

JUN 11 1984

DIVISION OF OIL
GAS & MINING

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

SIGNED W.E. Ridgeway TITLE PARTNER DATE June 6, 1984

(This space for Federal or State office use)

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

cc: State of Utah 1 ✓
CEC - Denver 1

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

080614

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.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		7. UNIT AGREEMENT NAME RAT HOLE UNIT
2. NAME OF OPERATOR CHANCELLOR & RIDGEWAY		8. FARM OR LEASE NAME FEDERAL
3. ADDRESS OF OPERATOR 5153 E. 51st, Suite 101, Tulsa, Oklahoma 74135		9. WELL NO. 4
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 249' FSL, 2269' FWL (SE SW) Sec. 13-T14S-R25E		10. FIELD AND POOL, OR WILDCAT
API NO. 43-047-30598		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec.13-14S-25E, S.L.M.
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) GR - 8249 KB - 8261'	12. COUNTY OR PARISH UINTAH
		13. STATE UTAH

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 checked="" type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input 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.)

Commencing on or about September 15, 1986, we propose to plug and abandon the subject well as follows:

1. Rig up workover rig, remove tubing head and install 5½" casing collar. Position bottom of tubing at approx. 4900' KB depth. Hook up cementing equipment and spot 200' cement plug from 4700' to 4900' using Class G cement with 2 percent calcium Chloride. Pull 10 stands (600') of tubing and wait on cement for two hours.
2. While waiting for bottom plug to set, hook cement pump truck to the 9 5/8"x5½" casing annulus and fill with fresh water. Then pump 55 cu.ft. of Class G cement slurry with 2 to 3 percent calcium chloride to fill annulus from surface to 200'.
3. Lower tubing to top of bottom plug and fill casing with fresh water. Pull tubing (laying down) to approx. 320' and spot 120' bentonite gel plug from 200' to 320' KB. Pull tubing to approx. 200'KB and pump cement plug to surface.
4. Screw permanent well marker into 5½" casing collar and clean location.
5. Restore surface and reseed in accordance with BLM requirements.

RECEIVED

AUG 04 1986

DIVISION OF OIL
GAS & MINING

18. I hereby certify that the foregoing is true and correct
SIGNED W. G. Seligson TITLE Partner DATE July 31, 1986
(This space for Federal or State office use)

APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY:
Federal approval of this action is required before commencing operations.
ACCEPTED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 8-5-86
BY: John R. Day

*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.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate
(Other instructions
verse side)
101527

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

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14

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 purposes.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		7. UNIT AGREEMENT NAME RAT HOLE UNIT
2. NAME OF OPERATOR CHANCELLOR & RIDGEWAY		8. FARM OR LEASE NAME FEDERAL
3. ADDRESS OF OPERATOR 5153 East 51st, Suite 101, Tulsa, Oklahoma 74115		9. WELL NO. 4
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 249' FSL, 2269' FWL (SE SW) Sec. 13-T14S-R25E		10. FIELD AND POOL, OR WILDCAT
API NO. 43-047-30598		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 13-14S-25E, S.L.M.
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) GR - 8249 KB - 8261'	12. COUNTY OR PARISH UINTAH
		13. STATE UTAH

RECEIVED
OCT 10 1986

DIVISION OF
OIL, GAS & MINING

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"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(Other)	<input type="checkbox"/>		

WATER SHUT-OFF	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACTURE TREATMENT	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOTING OR ACIDIZING	<input type="checkbox"/>	ABANDONMENT*	<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.)

9/24/86 Completed plugging operations as follows:

- Moved in workover rig and cementing equipment. Removed wellhead and positioned bottom of tubing at 4900'KB. Spotted 25 sx. cement from 4680' - 4900'. Pulled 30 jts. tubing and W.O.C.
- Pumped 50 sx. cement into 9 5/8" x 5 1/2" casing annulus to plug from surface to 200'.
- After 4 hour wait, lowered tubing and tagged top of plug at 4680'. Filled 5 1/2" casing with 8.5 lb. mud.
- Pulled tubing to 200'KB and pumped 25sx. cement plug from 200' to surface.
- Finished laying down tubing, removed tubing head and installed 5 1/2" O.D. well marker.
- Cut off all deadmen below ground level and cleaned location in preparation for surface restoration and reseeding, which will be completed before the end of October, 1986.

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

SIGNED W. B. Ridgway TITLE PARTNER DATE October 8, 1986
(This space for Federal or State office use)

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

cc: BLM-Vernal (3) WHP-G.Junction
St. of Utah-S.L.C(3) RHD-Salt Lake
CIG-Denver CEC-Denver
Coseka-Denver File
CIJ-Tulsa

*See Instructions on Reverse Side

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

DATE: 10-14-86
BY: John R. [Signature]

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.