



August 8, 1986

RECEIVED
AUG 11 1986

Bureau of Land Management
Moab District Office
P. O. Box 970
Moab, UT 84532

DIVISION OF
OIL, GAS & MINING

RE: Buzzard Bench Federal 3-24
SESW Sec 3-T195-R7E
Emery County, UT

Gentlemen:

Enclosed herewith please find the following items for the permitting of the above captioned well:

- 4 - Application For Permit To Drill
- 4 - Survey Plats
- 4 - Rig Layout Plats
- 4 - Cross Section View Plats
- 4 - 10 Point Programs
- 4 - 13 Point Programs
- 4 - Designation of Agent Forms
- 4 - Summary Report of Inspection for Cultural Resources

If this application meets with your approval, please sign and return one (1) copy to me for our files. If you have any questions regarding this application, please contact the undersigned at (303) 295-7444.

Very truly yours,

BWAB Incorporated

Susan M. Rein
Production Assistant

smr

Enclosures

cc: San Rafael Resource Area (1)
State of Utah (1)

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

(Other instructions on reverse side)

5. Lease Designation and Serial No.

Federal U-18897-A

6. If Indian, Allottee or Tribe Name

7. Unit Agreement Name

Buzzard Bench

8. Farm or Lease Name

Buzzard Bench-Federal

9. Well No.

3-24

10. Field and Pool, or Wildcat

Buzzard Bench
Greater Ferron Field

11. Sec., T., R., M., or Bk. and Survey or Area

Sec 3-T19S-R7E

12. County or Parrish 13. State

Emery Co., 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

BWAB INCORPORATED

3. Address of Operator

1801 California Street, Suite 1000, Denver, CO 80202

4. Location of Well (Report location clearly and in accordance with any State requirements.)*

At surface

1235.9' FSL & 1594.55' FWL of Section 3 (NWSESW)

At proposed prod. zone

same

14. Distance in miles and direction from nearest town or post office*

Five miles southwest of Orangeville, Utah.

15. Distance from proposed* location to nearest property or lease line, ft.

(Also to nearest drlg. line, if any) 1235.9'

16. No. of acres in lease

1,481.65

17. No. of acres assigned to this well

160

18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft.

approx. 2400'

19. Proposed depth

3,100'

20. Rotary or cable tools

Rotary

21. Elevations (Show whether DF, RT, GR, etc.)

6,440'

22. Approx. date work will start*

September 20, 1986

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# of 36#	120'	Circulate to Surface
8-3/4"	7"	17# or 20#	2,790'	50 sx

1. Drill 12-1/4" hole to 120' and set 9-5/8" surface casing circulating cement to surface. Test casing and BOP prior to drill out.
2. Drill 8-3/4" hole to 2,790' using air as circulation medium as per detailed well plan.
3. Set 7" casing at 2,790' just above top of Ferron Sand. Cement in place with 50 sacks of cement.
4. Drilling out casing shoe after testing casing and BOP, and drill to approximately 3,100' with air and flow test gas zones in the Ferron as encountered. If economic rates can be achieved naturally without excessive water production, no treatment will be done and the well will be completed as an open hole producer.
5. If excessive water production is encountered with the gas, a 4-1/2" liner will be set.

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

John R. Keller

Title Production Superintendent

Date Aug. 8, 1986

(This space for Federal or State office use)

Permit No.

43-015-30229
APPROVED BY THE STATE

Approval Date

Approved by

OF UTAH DIVISION OF
OIL, GAS, AND MINING

Title

Conditions of approval, if any:

DATE: 9-11-86

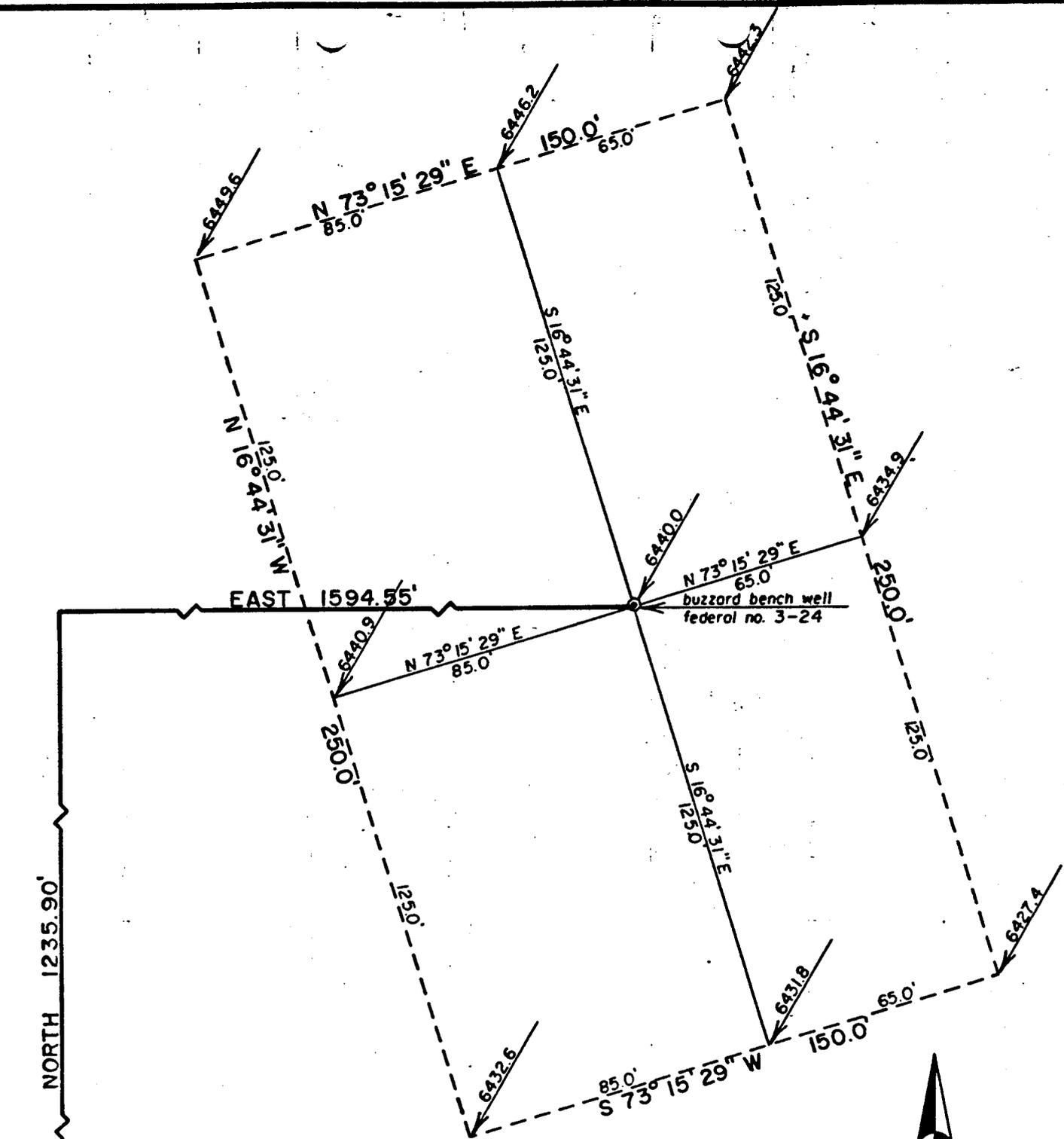
BY: John R. Bay

WELL SPACING: 203'

*See Instructions On Reverse Side

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OIL, GAS & MINING

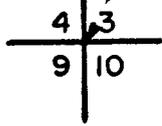


EAST 1594.55'

NORTH 1235.90'

buzzard bench well federal no. 3-24

SW. Cor. Sec. 3, T.19 S., R.7 E., SLM



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DIVISION OF
OIL, GAS & MINING

SECTION	TOWNSHIP	RANGE
3	19 SOUTH	7 EAST
DATE	SCALE	BLOCK
AUG. 1986	1" = 40'	
PLAT	SURVEY	

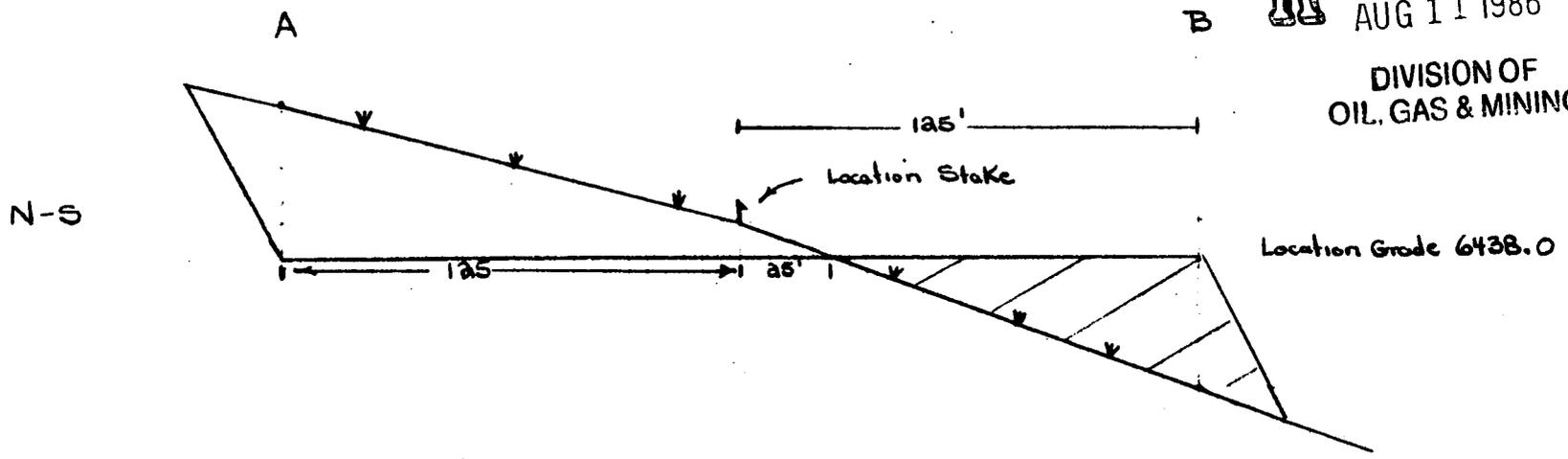
LEE MONT SWASEY
REGISTERED LAND SURVEYOR
JOHANSEN & TUTTLE ENGR. INC.
CASTLE DALE, UTAH

SURVEY FOR
BWAB INCORPORATED
DENVER, COLORADO

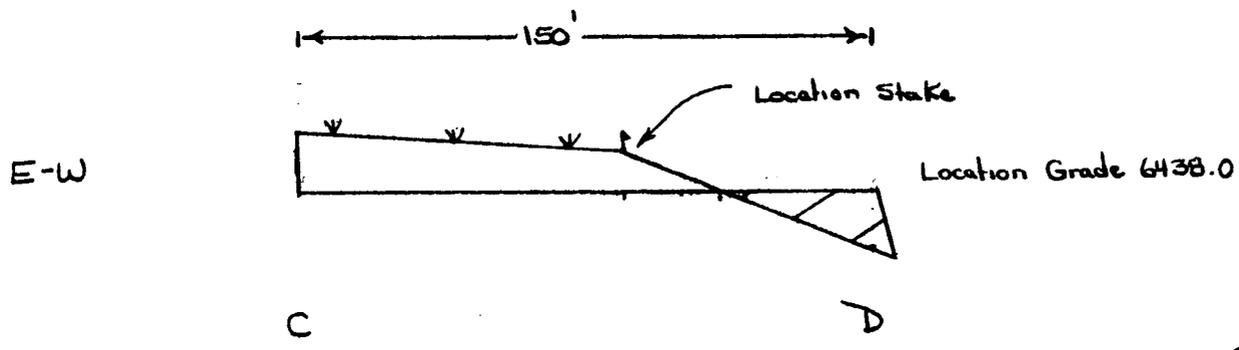
Cross Sections Views
 Buzzard Bench Federal 3-24
 BWAB Incorporated - Operator

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DIVISION OF
 OIL, GAS & MINING

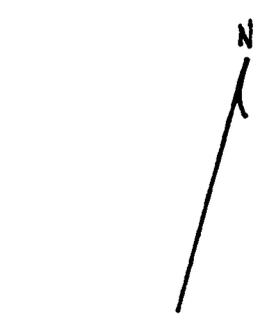
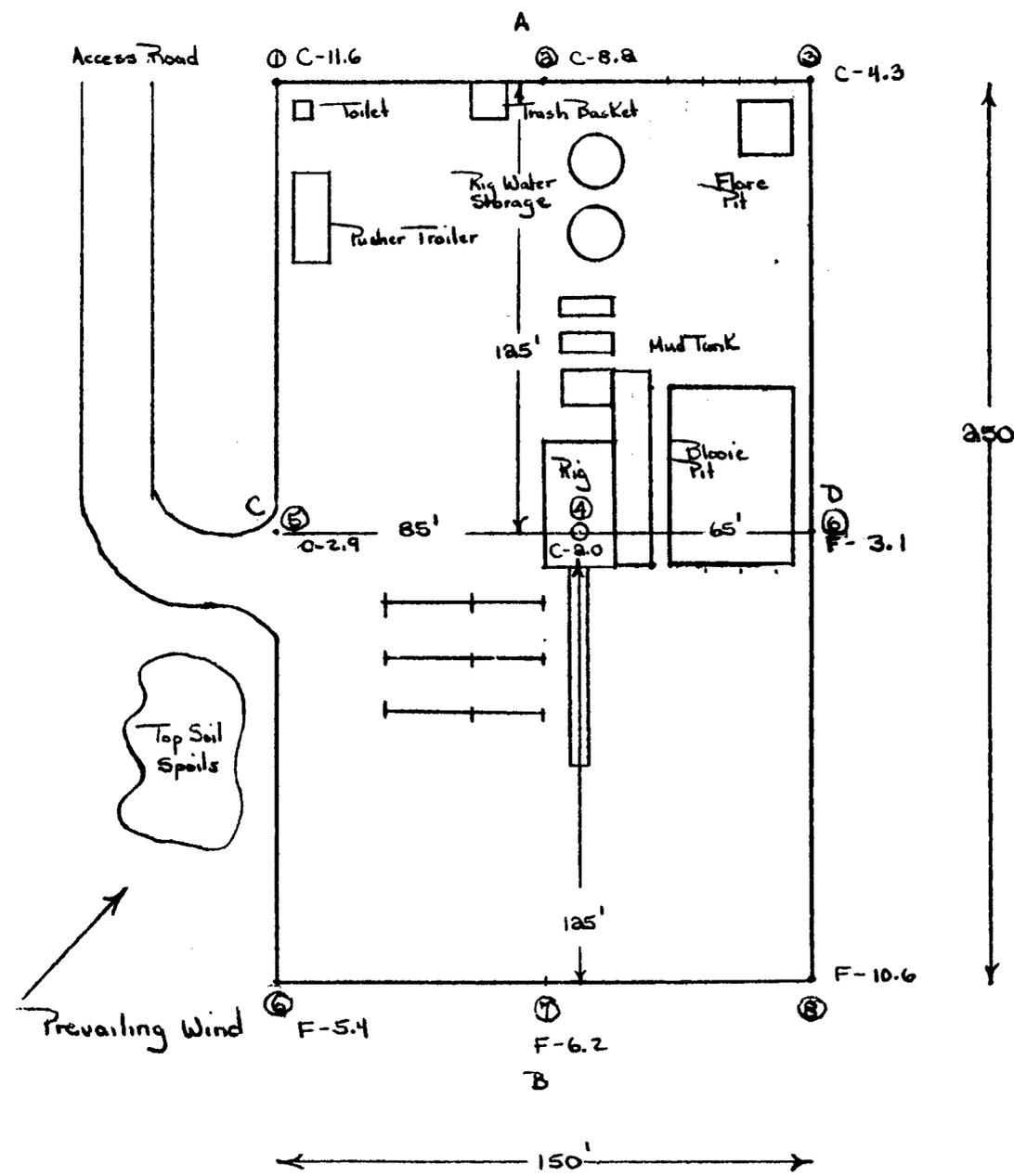


Approximate Yardages
 Cut: 3,458
 Fill: 1,944
 Unbalance: 1,211 @80%



Scale 1" = 50'
 JPK

Rig Layout
 BWAB Incorporated
 Buzzard Bench Federal 3-24



Soils are sandy-clay
 with gravel and large
 sandstone boulders.
 Not to Scale

Scale: 1" = 50'

JRK

DESIGNATION OF AGENT

The undersigned is, on the records of the Bureau of Land Management, Unit Operator under the Buzzard Bench unit agreement, Emery County, Utah, No. 14-08-001-20419 approved December 22, 1982 and hereby designates:

NAME: BWAB INCORPORATED
ADDRESS: 1801 California Street, Suite 1000
Denver, Colorado 80202

as its agent, with full authority to act in its behalf in complying with the terms of the Unit Agreement and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Oil and Gas Operating Regulations with respect to drilling, testing and completing unit well Buzzard Bench Federal #3-24 in Section 3, SE $\frac{1}{4}$ SW $\frac{1}{4}$, T19S-R7E, Emery County, Utah.

It is understood that this designation of agent does not relieve the Unit Operator of responsibility for compliance with the terms of the unit agreement and the Oil and Gas Operating Regulations. It is also understood that this designation of agent does not constitute an assignment of any interest under the unit agreement of any lease committed thereto.

In case of default on the part of the designated agent, the Unit Operator will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

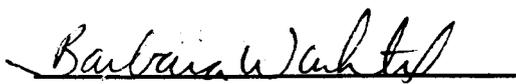
The Unit Operator agrees promptly to notify the Chief, Branch of Fluid Minerals, of any change in the designated agent.

This designation of agent is deemed to be temporary and in no manner a permanent arrangement.

This designation is given only to enable the agent herein designated to drill the above-specified unit well. Unless sooner terminated, this designation shall terminate when there is filed in the appropriate district office of the Bureau of Land Management a completed file of all required Federal reports pertaining to subject well. It is also understood that this designation of agent is limited to field operations and does not cover administrative actions requiring specific authorization of the Unit Operator.

ATTEST:

CHANDLER & ASSOCIATES, INC.



Barbara Wachtel
Assistant Secretary



Patti McDonald Chandler
Vice President

1. EXISTING ROAD

See attached Topographic Map "A".

To reach the BWAB Incorporated well location site Buzzard Bench Federal 3-24, located in the NWSESW of Section 3, T19S-R7E, Emery County, Utah;

Proceed southerly out of Orangeville, Utah on the Main Street approximately 1 mile to its junction with Utah State Highway 57. From the intersection follow the improved dirt road trending south-westerly approximately .25 miles then south .4 miles to an intersection with an improved dirt road going due west. Proceed west on the improved dirt road approximately 1.2 miles to its intersection with an existing lease road trending south, then southwesterly. Follow this road approximately 1.7 miles to intersection with a north westerly trending exploration road. Follow this road for 1.1 miles to the Buzzard Bench Federal 6-3 wellsite. From the southeast corner of the well pad a new road will be built along a southerly track for 3.5 miles to the new location. The road will be routed along the west edge of the southerly sloping ridge and enter of the west side of the location.

The Utah State highway mentioned above is a bituminous surfaced road and is maintained by the Utah State road crews. The trail and exploration roads mentioned above will be maintained by BWAB Incorporated in cooperation with Emery County who maintains the improved dirt roads providing approximately the first 3.2 miles of access.

The roads that are required for access during the drilling phase, completion phase and production phase of this well will be maintained to insure proper travel both entering and leaving the area. This may require some minor grader work for smoothing of the road bed.

2. PLANNED ACCESS ROAD

See Topographic Map "B".

The access road after improvement will be an 20' crown road (10' either side of the centerline) with a drain ditch on the uphill side of the road which will handle any run-off from normal meteorological conditions that are prevalent to the area. Maximum width of the construction area of disturbance will be 30'. Where practical an attempt will be made to avoid the accumulation of soil and boulder wind rows along right of way by separating the soil and boulders.

The grade along this road varies but the maximum grade along this road will not exceed 10%.

Culverts will be placed where necessary when the road is improved after production is established. The BLM will be consulted on the proper placement of culverts. The exploration road will be constructed using low water crossings, water bars, and tail ditches at major natural drainages.

The Operator or his Contractor will contact the Surface Protection Specialist at the San Rafael Resource Area Office in Price, Utah, phone (801) 637-4584, forty-eight (48) hours prior to beginning any work on public land.

The dirt contractor will be furnished with an approved copy of the surface use plan and any additional BLM stipulations prior to any work.

If subsurface cultural material is exposed during construction, work in that spot will stop immediately and the San Rafael Resource Area Office will be contacted. All employees working in the area will be informed by the Operator that they will be subject to prosecution for disturbing archaeological sites or picking up artifacts. Salvage or excavation of identified archaeological sites will only be done if damage occurs.

If the Archaeological Study shows it necessary the BLM should be present when the dirt work on the access road commences.

Improvement to the existing road will be necessary. The upgrading will conform to the Class III road standards after production is established. The County Road Department will be contacted before using any known County road. Contact Mr. Rex Funk (801) 381-5450 or (801) 381-2550.

New road construction will be in conformance to the Class III road standards after production is established. All roads will be constructed with drainage dips (water bars) and tail ditches as detailed in the road standards. All water bars will be flagged by BLM personnel during construction. The centerline of the road is currently flagged.

Trees will be piled along the side of the access road and topsoil will not be saved along the route.

Surface disturbance and vehicular travel will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.

Surfacing material will not be placed on the access road or location without prior BLM approval as to the type of material used.

3. EXISTING WELLS

See Topographic Map "B".

There is one shut-in gas well within a one mile radius of this location site. The well belongs to Chandler and Associates and is shut-in pending pipeline installation.

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

4. LOCATION OF EXISTING AND PROPOSED FACILITIES

At the present time there are no BWAB Incorporated production facilities, gas gathering lines, tank batteries, oil gathering lines, injection lines or disposal lines within a one mile radius of the location.

There is a shut-in Chandler and Associates gas well located in the SENW of Section 3, T19S-R7E, Emery County, Utah.

The area used to contain the proposed production facilities will be built using native materials. If these materials are not acceptable then other arrangements will be made to acquire them from private sources. These facilities will be constructed using bulldozers, graders and workman crews to construct and place the proposed facilities.

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

Water to be used for the drilling of this well will be hauled by truck over the described roads in Items #1 and #2 from Cottonwood Creek which is approximately 4 miles northeast of the proposed location, it will be obtained from the Cottonwood Irrigation Co.

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

If in the event water from the above mentioned source is not available, then other arrangements will be made and all concerned agencies will be notified.

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 (i.e. State of Utah).

6. SOURCE OF CONSTRUCTION MATERIALS

All construction material for this location site 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. All surface disturbance is on BLM lands.

7. METHODS OF HANDLING WASTE DISPOSAL

See the attached Location Layout Sheet.

A reserve pit or "bloole pit", will be constructed to contain air drilling cuttings.

The reserve pit will be approximately 8' deep and at least one half of this depth shall be below the surface of the existing ground. The pit will be located as far towards the northeast corner of the location as rig layout allows.

The reserve pit will be used during the drilling of this well to store non-flammable materials such as cuttings, drilling fluids if needed, chemicals and produced fluids, etc.

If deemed necessary by the agencies concerned to prevent contamination to surrounding areas, the reserve pits will be lined with native clay or other suitable liner material.

The pits will have a net wire fence with two barbed wire strands on top and over-head flagging will be installed to protect the water fowl, wildlife and domestic animals.

As stated in the aforementioned paragraphs, non-flammable materials such as cuttings, and possibly drilling fluids will be contained in the reserve pits.

At the onset of drilling, the reserve pit will be fenced on three sides and at the time drilling activities are completed, it will be fenced on the fourth side and allowed to dry completely prior to the time that backfilling and other reclamation activities are attempted.

When the reserve pit dries and reclamation activities commence, the pits will be covered with a minimum of four feet of soil if practical and all requirements in Item #10 will be followed.

All produced water, if any, will be disposed of according to NTL-2B requirements.

All garbage and other waste material will be contained in a trash basket made of small mesh wire and will be taken to the nearest sanitary landfill for disposal upon completion of the well.

A portable chemical toilet will be provided 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 the attached Location Layout Sheet.

The BLM District Office 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 native clay and any other type of material necessary to make them safe and tight.

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

10. PLANS FOR RESTORATION OF SURFACE

If well goes on production, the Holder shall submit a proposed operation and maintenance plan for the permanent road after consultation with the BLM Authorized Officer for applicable road standards.

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. Adequate topsoil will be retained for final reclamation of the location where such topsoil exists. Any remaining stockpile of topsoil will be seeded in place using the prescribed seed mixture.

All above-ground production facilities will be painted with a flat, non-contrasting color harmonious with the adjacent landscape.

As there is little or no topsoil on the location site, due to its rocky nature, the top 6" shall be stripped and stockpiled on the side of the location where sufficient top soil is available to salvage. (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 the disturbed area.

Any drainages re-routed during construction activities shall be restored to their original line of flow as near as possible. Fences around pits are to be removed upon completion of drilling activities and all waste being contained in the pits shall be buried with a minimum of 4' of cover where practical.

As mentioned in Item #7, the reserve pits will be completely fenced with wire and overhead flagging installed. The pits will be allowed to dry completely before covering. All items mentioned above will be completed within 90 days after commencement of restoration procedures if weather conditions permit.

When restoration activities have been completed, the location site and access ramp shall be reseeded with a seed mixture recommended by the BLM District Office when the moisture content of the soil is adequate for germination. The Lessee further agrees that all said clean-up and restoration activities shall be done and performed in a diligent and workman like manner and in strict conformity with the above mentioned Items #7 and #10, and the Oil and Gas Surface Operating Standards Manual.

Immediately upon completion of drilling, the location and surrounding area will be cleared of all debris resulting from the operations. All trash will be hauled to a local sanitary landfill.

The Operator or his Contractor will contact the Surface Protection Specialist at the San Rafael Resource Area BLM office in Price, UT phone (801) 637-4584, 48 hours prior to starting rehabilitation work that involves earthmoving equipment and upon completion of restoration measures.

Before any dirt work to restore the location takes place, the reserve pit must be completely dry and any trash (barrels, metal, etc.) it contains must be removed from public lands.

All disturbed areas will be recontoured to blend as nearly as possible with the surrounding area.

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

All disturbed areas will be scarified with the contour to a depth of 6". Do not smooth pads, leave a roughened surface.

Seed will be (broadcast/drilled) at a time to be specified by the BLM with the attached seed prescription. When broadcast seeding, a harrow or some such implement will be dragged over the seeded area to assure seed cover.

- 2 lbs/acre Indian ricegrass (Oryzopsis hymenoides)
- 1/2 lbs/acre Fourwing saltbush (Atriplex canescens)
- 1/2 lbs/acre Green ephedra (Ephedra viridis)
- 1 lbs/acre Crested wheatgrass (Agropyron desertorum)
- 1 lbs/acre Alkali sacaton (Sporobolus airoides)
- 1/2 lbs/acre Shadscale (Atriplex confertifolia)
- 2 lbs/acre Curlygrass (Hilaria jamesii)
- 2 lbs/acre Sweet yellow clover

After seeding is complete, the stockpiled tress 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.

Waterbars will be used on all sloping surfaces as shown below:

<u>GRADE</u>	<u>SPACING</u>
2%	200 feet spacing
2-4%	100 feet spacing
4-5%	75 feet spacing
+5%	50 feet spacing

11. OTHER INFORMATION

The topograph of the General Area - See Topographic Map

The area slopes from the Mantl - Lasal Forest to the west to the Castle Valley to the east. The area is interlaced with numerous canyons and ridges which are extremely steep with numerous ledges formed in sandstone, conglomerates and shale deposits.

The soils in this semi-arid area of the Williams Fork Formation (Upper Cretaceous) and Wasatch Formation (Eocene) consist of light brownish-gray clays (OL) to sandy soil (SM-ML) type with poorly graded gravels.

Buzzard Bench Federal 3-24
Page Eight

Outcrops of sandstone ledges, conglomerate deposits and shale are common in this area.

The topsoils in the area range from a sandy clay (SM-ML) type soil to a clayey (OL) soil.

The majority of the numerous washes and draws in the area are of non-perennial nature flowing during the early spring run-off and heavy rain storms of long duration which are rare as the normal annual rainfall in the area is only 10".

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 regions and consists of pine and oak brush as the primary flora with areas of sagebrush, rabbitbrush, greasewood, some grasses and cacti.

The fauna of the areas is sparse and consists predominantly of the mule deer, coyotes, bears, rabbit and varieties of small ground squirrels and other types of rodents.

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

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

The Topography of the Immediate Area - See Topographic Map

The Buzzard Bench Federal 3-24 is located on an eroded sloping terrace of Cedar Bench.

The ground slopes through this location site at approximately a 5.8% grade towards the south. The majority of the drainages are non-perennial. Drainage is to the southeast into Paulson Wash.

The geologic structure of the area immediately surrounding the location site is of the Williams Fork Formation and consists of light brown sandy clay soil with some sandstone outcrops and large sandstone boulders.

The vegetation in the immediate area surrounding the location site is sagebrush and grasses, with juniper and piñon pine.

All land disturbed by this location site and road are under BLM jurisdiction.

There are no visible archaeological, historical or cultural sites within any reasonable proximity of the proposed location site. It will be determined by an archaeologist whether there are any archaeological findings in the area.

12. LESSEE'S OR OPERATOR'S REPRESENTATIVE

BWAB INCORPORATED
1801 California Street
Suite 1000
Denver, CO 80202

Mr. John R. Keller
(303) 295-7444
(303) 755-6181 (Home)

13. CERTIFICATION

I hereby certify that I, or persons under my direct supervision have inspected the proposed drillsite and access route; that I am familiar with the conditions which 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 operation proposed herein will be performed by BWAB INCORPORATED and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

August 8, 1986

Date



John R. Keller
Production Superintendent
BWAB Incorporated

JRK/smr

Attachments

Cultural Resources Inventory Report
on
The Proposed Buzzard Bench Fed. 3-24 Well and Access
in Emery County, Utah
for
BWAB, Inc.

GRI Project No. 8628
7 August 1986

Prepared by
Grand River Institute
P.O. Box 3543
Grand Junction, Colorado 81502
Utah BLM Antiquities Permit No. 85-UT-54939
Utah Division of State History Permit No. U-86-GB-443B

Submitted to
The Bureau of Land Management
Moab District Office
P.O. Box 970
Moab, Utah 84532

Department of the Interior
Bureau of Land Management
Utah State Office

Summary Report of
Inspection for Cultural Resources

PROJECT
Authorization No. U-816-16B-1443B
Report Acceptable Yes No
Mitigation Acceptable Yes No
Comments: _____

1. Report Title Bulzlarld | Blelnclhl | Field | 13-124 | & | alclclsls
2. Development Company BWAB, Inc.

3. Report Date 08 | 7 | 1986 4. Antiquities Permit No. 85-UT-54939
41 62 MONTH 43 YEAR 46 U-86-GB-443B

5. Responsible Institution Girland | Rivlelr | Inls County Emery
47 61

6. Fieldwork Location: TWN 19S Range 7E Section(s) 03
62 63 66 69 70 71 72 73 74 75 76 77
TWN Range Section(s)
78 81 82 85 86 87 88 89 90 91 92 93
7. Resource Area PR TWN Range Section(s)
110 111 94 97 98 101 102 103 104 105 106 107 108 109

PO: PONY EXPRESS, BR: BEAR RIVER, PR: PRICE RIVER, WS: WARM SPRINGS
BC: BOOK CLIFFS, HR: HOUSE RANGE, SE: SEVIER RIVER
HM: HENRY MOUNTAINS, BE: BEAVER RIVER, DX: DIXIE
KA: KANAB, ES: ESCALANTE, SJ: SAN JUAN, GR: GRAND
SR: SAN RAFAEL, DM: DIAMOND MOUNTAIN
FW in spaces 65, 69, 81, 85, 97, 101 Only if:
V: Vernal Meridian
H: Half Township

8. Description of Examination Procedures:
A 100% pedestrian survey of the proposed well pad area was made by walking a pattern of north-south zigzag transects over the area to cover a rectangular plot 700x400'. The access was walked in two broad zigzag transects to cover a swath 100' wide.

9. Linear Miles Surveyed and/or 13 10. Inventory Type 1
112 117 130
Definable Acres Surveyed and/or
118 123 R: Reconnaissance
I: Intensive
S: Statistical Sample
* Legally Undefinable Acres Surveyed 5

11. Description of Findings (attach appendices, if appropriate) 12. Number Sites Found: 1
131 133
Prehistoric site 42EM2104 was located along the proposed access road. Site is considered non-significant due to its apparently surficial nature and inability to provide chronometric data.
13. Collection: N Y=Yes, N=No
136

14. Actual/Potential National Register Properties Affected:
None.

15. Literature Search, Location/Date: Utah Division of State History, 7/28/86
BLM Price Area Office, 7/29/86

16. Conclusion/Recommendations: No further consideration of cultural resources need be given the surface extent of this project.

17. Signature of Administrator & Field Supervisor: Administrator Carl E. Conner Carl E. Conner
Field Supervisor Carl E. Conner Carl E. Conner

Introduction

In accordance with Executive Order 11593, the National Historic Preservation Act of 1966, the Archaeological Resources Protection Act of 1979, and other federal legislation governing the protection and management of cultural resources on publicly owned lands, Carl E. Conner of Grand River Institute conducted an intensive (Class III) cultural resources inventory of the proposed Buzzard Bench Federal #3-24 well and related new access. The work occurred in conjunction with an on-site meeting on July 29th with representatives of the Bureau of Land Management (BLM) and BWAB, Inc.

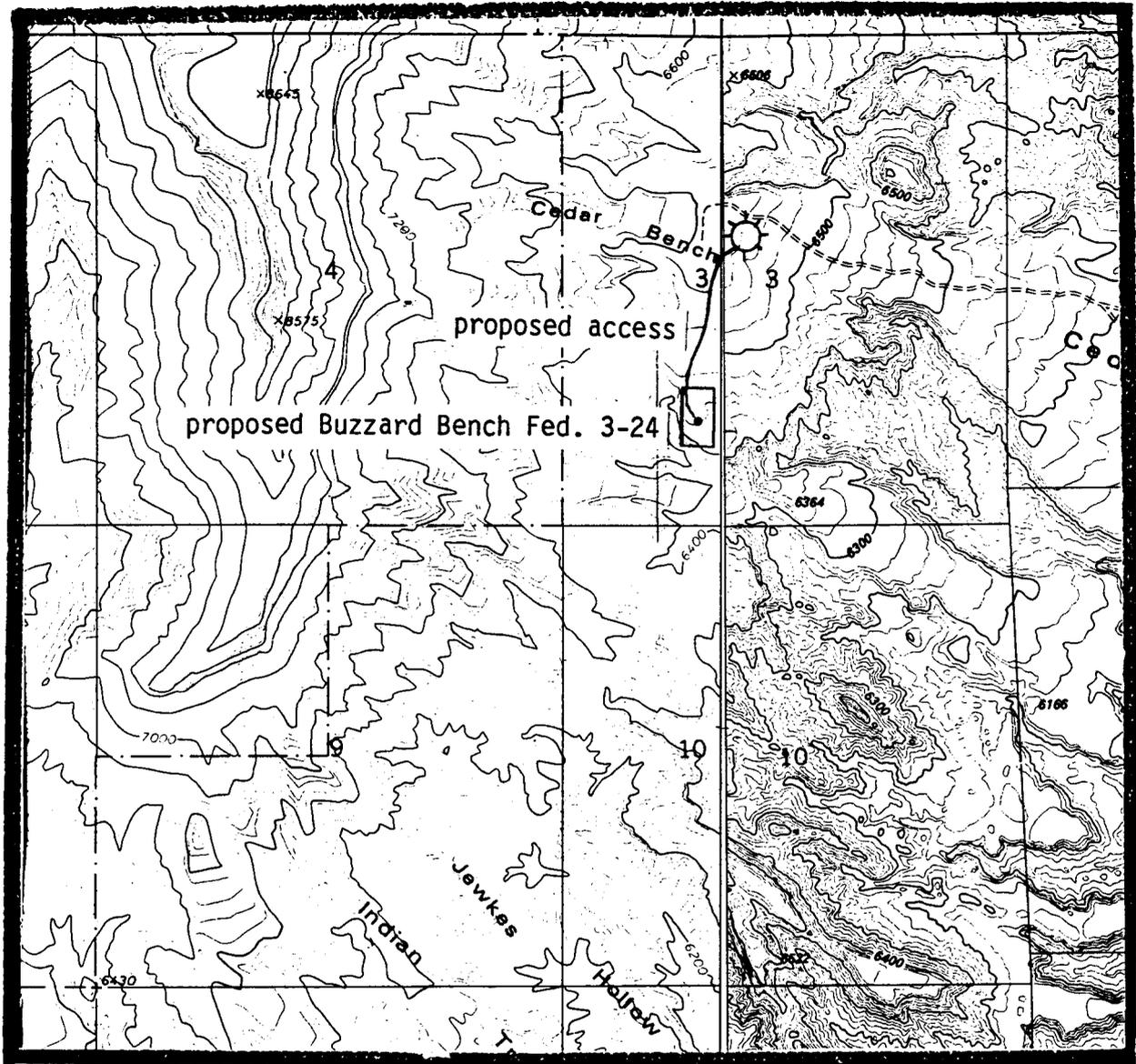
The proposed well site lies approximately 5.7 miles west-southwest of the town of Castle Dale, Utah, at the western edge of Castle Valley. Location is as follows (see Figure 1):

T. 19S., R. 7E., Section 3, NW $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ (proposed well)
T. 19S., R. 7E., Section 3, SE $\frac{1}{4}$ NW and W $\frac{1}{2}$ E $\frac{1}{2}$ SW $\frac{1}{4}$ (proposed access).
[Map reference - "The Cap" and "Castle Dale" Quadrangles, USGS
7.5' series (topographic)]

Description of Project Area

The project area is located at the eastern periphery of the Colorado Plateau in central Utah at the interface of the Wasatch Plateau and the Mancos Shale Lowlands. It is situated atop Cedar Bench, a broad terrace remnant extending eastward from the base of the cliffs which form the skirt of North Horn Mountain. Elevation ranges from 6400' to 6600'. Rock Canyon Creek, the nearest permanent water source, flows approximately 4.5km to the south.

Climatically, the area is characterized as a cold desert and supports an Upper Sonoran vegetation community. Cedar Bench is vegetated with scattered pinyon and juniper, narrow-leaf yucca, mountain mahogany, four-



The Cap Quadrangle
 Utah--Emery County
 1979
 USGS 7.5' series (topographic)
 Scale 1:24000
 Contour interval 40 feet

Castle Dale Quadrangle
 Utah--Emery County
 1983
 USGS 7.5' series (topographic)
 Scale 1:24000
 Contour interval 40 feet

Cultural resources inventory of the proposed Buzzard Bench Federal 3-24 well and related access in T. 19S., R. 7E., Section 3, Emery County, Utah, for BWAB, Inc. Area surveyed for cultural resources is highlighted. [GRI 8628, 8/7/86]

Figure 1.

wing saltbush, sagebrush, snakeweed, prickly pear, hedgehog cactus, and various bunch grasses. Soils are rocky, light brown to greyish-brown loams.

Faunal inhabitants are those typical of an arid environment and include antelope, mule deer, coyote, bobcat, cottontail, jackrabbit, woodrat, squirrel, white-footed mouse, and various eagles, owls, hawks, lizards, and snakes.

Known Cultural Resources

A files search through the Division of State History revealed no known sites and no previously conducted surveys in the area. The BLM's files confirmed this.

Adjacent to the study area (to the east), site 42EM1638 was recorded during the field inventory of the access road to Buzzard Bench Federal #6-3 (GRI Report 8330, 1983). This site yielded a C-14 date of 1480 ± 50 B.P. (ca. A.D. 540 ± 55) and is thought to represent an early Fremont occupation.

Survey Methods

A 100% pedestrian survey of the proposed well location was conducted by walking a pattern of tight zigzag transects across the area to cover a rectangular plot of approximately 5 acres. The 1800' access route was walked in two zigzag transects (one to either side of the flagging) to cover a swath 100' wide. A total of approximately 10 acres was inspected for cultural resources.

Study Findings

A single, small open campsite, 42EM2104, was located at the north end of the proposed access route. The site consists of a sparse scatter of chipped and ground stone tools distributed over a 35 sq. m. area. The remains of an apparent hearth manifested ash-stained soil and fire-altered rock; however, trowel testing revealed no depth of cultural fill (probably due to sheet wash).

Tools included two, two-handed loaf-shaped manos, one biface fragment, and nine flake and blade tools. Also present were a resharpening flake and a primary chert chunk. Activities inferred from these artifacts include large game and floral processing and tool refurbishing. Cultural affiliation could not be absolutely determined, but the loaf-shaped manos may indicate Fremont occupation.

Because of its surficial nature and obvious disturbance as well as its apparent inability to yield significant information about the areal pre-history, site 42EM2104 is field evaluated as being ineligible to the National Register of Historic Places. Eight of the flake and blade tools were found piled atop a rock, indicating that the site has been picked over and lacks integrity of association.

More detailed information about the site can be found in the attached IMACS form.

Recommendations

During the on-site, the access route was relocated to avoid the site. No further consideration of cultural resources is recommended.

IMACS SITE FORM

Part A - Administrative Data

INTERMOUNTAIN ANTIQUITIES COMPUTER SYSTEM

Form approved for use by
BLM - Utah, Idaho, Nevada, Wyoming
Division of State History - Utah, Wyoming
USFS - Intermountain Region
NPS - Utah, Wyoming

*1. State No. 42EM2104
*2. Agency No. _____
3. Temp No. 8628-A1

4. State Utah County Emery
5. Project Buzzard Bench Fed. 3-24 & access for BWAB, Inc.
*6. Report No. _____
7. Site Name _____
8. Class Prehistoric Historic Paleontologic Ethnographic
9. Site Type Open campsite
*10. Elevation 6580 ft.
*11. UTM Grid Zone 12 489210 m E 4338610 m N
*12. SW of SE of NW of Section 3 T. 19S R. 7E
*13. Meridian SLPM
*14. Map Reference The Cap, 1979 - USGS 7.5' series (topographic)
15. Aerial Photo _____
16. Location and Access From Orangeville, travel south 0.2 mile to junction with Highway 57. Cross highway and continue to dirt road intersecting from southwest. Follow dirt road 0.7 mile to junction with dirt road intersecting from west. Travel west 4 miles to existing Fed. 6-3 well. Site lies approx. 300' west of the southwest corner of the well pad.

*17. Land Owner BLM
*18. Federal Admin. Units Forest _____ District Moab Nat'l Park _____
*19. Planning Units (USFS only) _____
20. Site Description Site consists of a light scatter of lithic tools and ash-stained soil and fire-cracked rock concentrated over an area 10m in diameter. Two loaf-shaped, two-handed manos suggest vegetal processing; flake and blade tools imply big game processing; debitage suggests tool manufacturing. Eight of the flake and blade tools were found piled on a rock, indicating the site has been previously picked over.

*21. Site Condition Excellent (A) Good (B) Fair (C) Poor (D)
*22. Impact Agent(s) Vandalism, sheetwash
*23. Nat. Register Status Significant (C) Non-Significant (D) Unevaluated (USFS only) (Z)
Justify Site is unlikely to yield significant information about the areal prehistory. Surface materials have been disturbed by collectors.

24. Photos 8628-1:9-16
25. Recorded by Carl E. Conner
*26. Survey Organization Grand River Institute *28. Survey Date 7/29/86
27. Assisting Crew Members None

Part B - Prehistoric Sites

Site No.(s) 42EM2104

1. Site Type Open campsite

*2. Culture AFFILIATION DATING AFFILIATION DATING
 Unknown _____ _____ _____
 _____ _____ _____

3. Site Dimensions 7 m X 5 m *Area 35 sq m

*4. Surface Collection/Method None (A) Designed Sample (C)
 Grab Sample (B) Complete Collection (D)
 Sampling Method _____

*5. Estimated Depth of Fill Surface (A) 20-100 cm (C) Fill noted but unknown (E)
 0-20 cm (B) 100 cm + (D)
 How Estimated Trowel test
 (If tested, show location on site map.)

*6. Excavation Status Excavated (A) Tested (B) Unexcavated (C)
 Testing Method _____

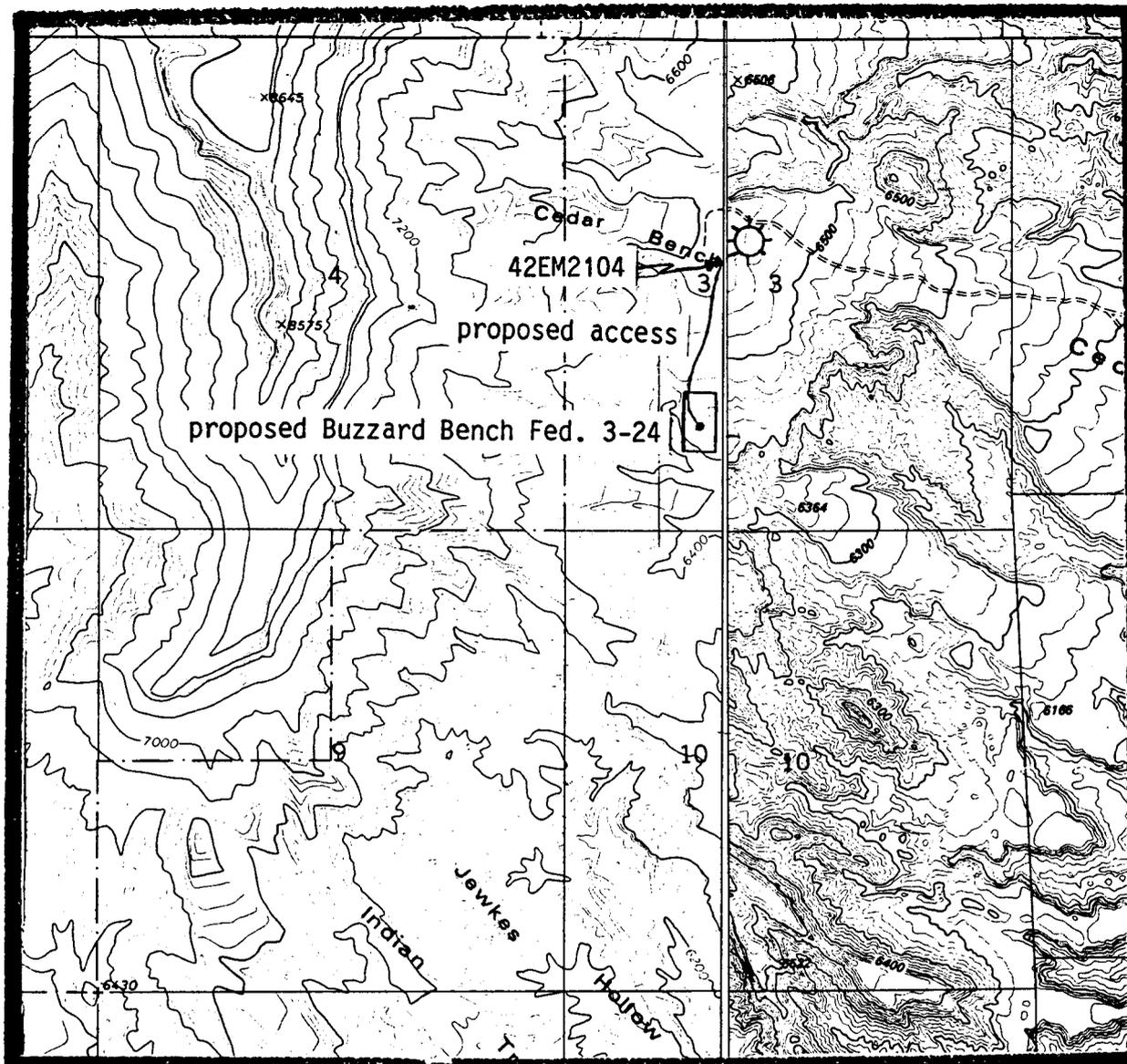
*7. Summary of Artifacts and Debris
 Lithic Scatter (LS) Isolated Artifact (IA) Burned Stone (BS)
 Ceramic Scatter (CS) Organic Remains (VR) Ground Stone (GS)
 Basketry/Textiles (BT) Shell (SL) Lithic Source(s)
 Describe Two loaf-shaped, two-hand manos, 9 flake and blade tools, resharpening flake, chunk, biface fragment. Chert only material type.

*8. Lithic Tools	#	TYPE	#	TYPE
	<u>2</u>	<u>Manos</u>	_____	_____
	<u>9</u>	<u>Flake and blade tools</u>	_____	_____
	<u>1</u>	<u>Resharpening flake</u>	_____	_____
	<u>1</u>	<u>Biface fragment</u>	_____	_____

Describe _____

*9. Lithic Debitage - Estimated Total Quantity None (A) 10-25 (C) 100-500 (E)
 1-9 (B) 25-100 (D) 500+ (F)
 Material Type Chert (gray)
 Flaking Stages (0) Not Present (1) Rare (2) Common (3) Dominant
 Decortication 3 Secondary 0 Tertiary 0 Shatter 0 Core 0

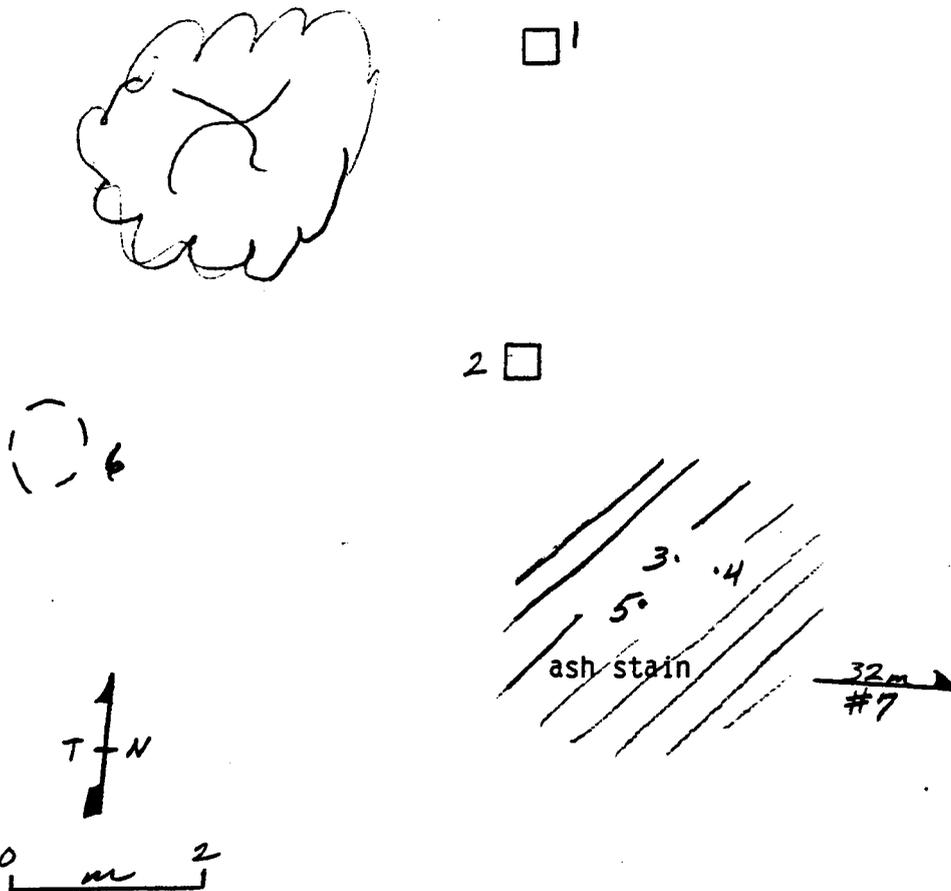
10. Maximum Density-#/sq m (all lithics) 1/3 sq. m.



The Cap Quadrangle
Utah--Emery County
1979
USGS 7.5' series (topographic)
Scale 1:24000
Contour interval 40 feet

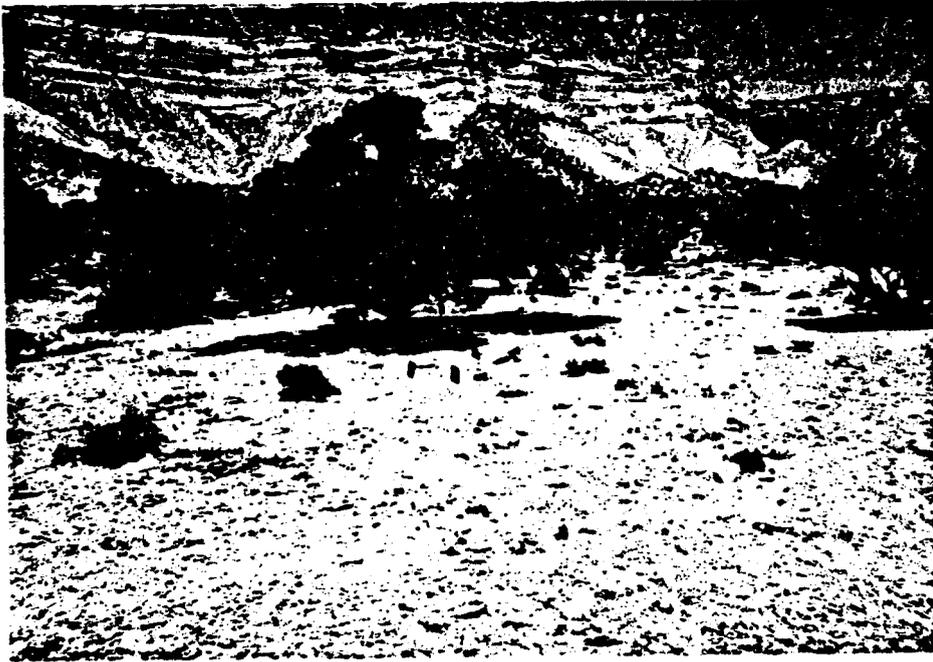
Castle Dale Quadrangle
Utah--Emery County
1983
USGS 7.5' series (topographic)
Scale 1:24000
Contour interval 40 feet

USGS map showing location of site 42EM2104 in relationship to proposed Buzzard Bench Federal 3-24 well and access in Emery County, Utah.



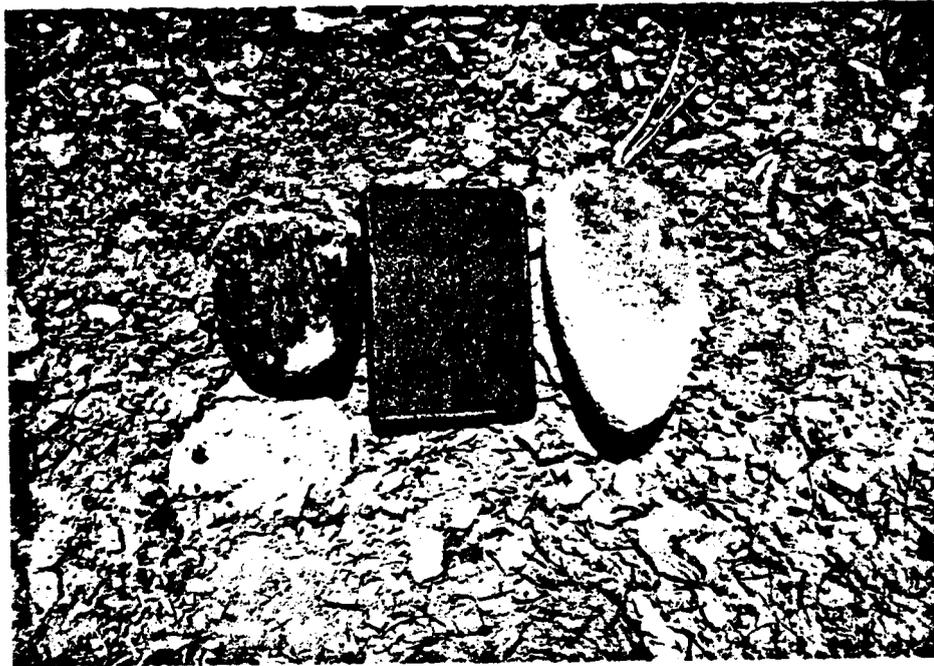
- 1 loaf mano
- 2 loaf mano
- 3 primary chert chunk
- 4 resharpening flake
- 5 utilized blade
- 6 cluster of flake and blade tools, piled on rock
- 7 displaced biface fragment

Sketch map of site 42EM2104.



Site No. 42EM2104
View: Northwest
Comment: Overview of site.

Photo No. 8628-1-9
Date: 7/29/86



Site No. 42EM 2104
View: Down
Comment: Loaf-shaped manos, artifacts #1 and #2.

Photo No. 8628-1-11
Date: 7/29/86



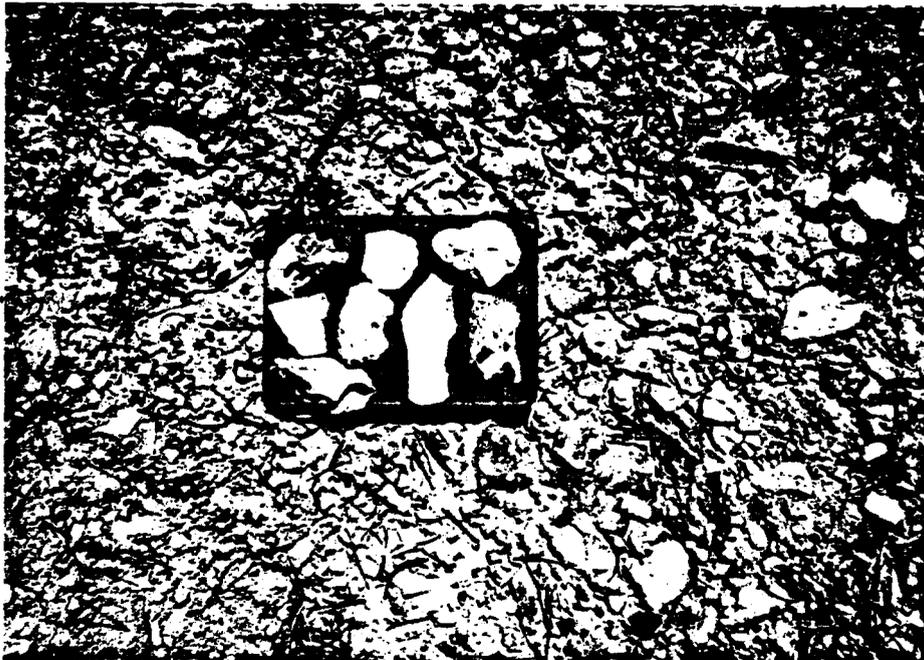
Site No. 42Em2104

View: Down

Comment: Flake and blade tools piled on rock.

Photo No. 8628-1-14

Date: 7/29/86



Site No. 42Em2104

View: Down

Comment: Flake and blade tools indicating big game processing.

Photo No. 8628-1-16

Date: 7/29/86

RECEIVED
AUG 11 1986



BWAB INCORPORATED

**DIVISION OF
OIL, GAS & MINING**

**Bureau of Land Management
Moab District Office
P. O. Box 970
Moab, UT 84532**

**RE: 10 Point Program
Buzzard Bench Federal 3-24
SESW Sec 3-T19N-R7E
Emery County, UT**

Gentlemen:

Enclosed is the information required for permitting the above well.

- 1. Surface Formation:** Emery
- 2. Geological Markers:** Bluegate Shale - Surface
Ferron Sandstone - 2,790'
- 3. Producing Formations:** Ferron - Gas
- 4. Expected Water Zones:** Ferron
- 5. Pressure Control Equipment:** BOP systems will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout prevent controls will be installed prior to drilling the surface csg plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to insure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure-tested before drilling casing plugs. The Resource Area will not be notified in advance when pressure tests are to be conducted. The BOP will be: a) A 10" 900 double hydraulic with closing unit with one set of blind rams and one set 4" drilling pipe rams. b) A 10" 900 rotary head will be used while air or mist drilling. Schematic diagram attached. The BOP test pressure will be 1500 psi.
- 6. Circulating Medium:** Well will be drilled with compressed air and mist if required. Mud up will occur for running casing only.



7. **Auxiliary Equipment:**
- a. Drill String Floats will be used
 - b. Float will be used
 - c. No monitoring on mud system will be used for drilling
 - d. Stabbing valve will be used for drill pipe
8. **Casing Program:**
- Surface - 9-5/8", 32.3# or 36#, H-40, J or K-55, new or used.
Production - 7", 17# or 20#, J-55 or H-40.
Casing will be set at approximately 2,790', the top of the Ferron and then the Ferron will be completed open hole if possible. If not, a 4-1/2", 11.6# or 10.5#, J or K-55 would be used for liner.
- Anticipated cement tops will be reported as to depth, not the expected number of sacks. The Resource Area will not be notified in advance when running casing strings & cement.
9. **Testing Program:**
- No DST's will be run.
No cores are anticipated.
DIL/GR, SFL
- Whether the well is completed as a dry-hole or as a producer, "Well Completion & Recompletion Report & Log" (Form 3160-4) will be submitted to the District Office not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core description, and all other surveys or data obtained and compiled during the drilling, work-over, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the Moab District Manager.
10. **Abnormal Conditions Possible Hazards**
- No abnormal high pressure, temperature or hydrogen sulfide gas should be encountered. Productive Zone is Normal if pressure and gas analyses indicate no H₂S hazard.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Order #1 and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to insure compliance.

Anticipated Starting Dates and Notification of Operations:

The Operator will contact the San Rafael Resource Area at (801) 637-4584, forty-eight (48) hours prior to beginning any dirt work on this location.



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

Anticipated Starting Dates and Notification of Operations:

The spud date will be reported orally to the Area Manager within a minimum of twenty-four (24) hours prior to spudding. Written notification in the form of a Sundry Notice (Form 3160-5) will be submitted to the District Office within twenty-four (24) hours after spudding. If the spudding occurs on a weekend or holiday, the written report will be submitted on the following regular work day.

In accordance with Onshore Oil and Gas Order #1, this well will be reported on Form 9-329, "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. The report will be filed directly with the BLM District Office, P. O. Box 970, Moab, Utah 84532.

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

If a replacement rig is contemplated for completion operations, a "Sundry Notice: Form 3160-5 to that effect will be filed for prior approval of the District Manager, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig. In emergency situations, verbal approval to bring on a replacement rig will be approved by the District Petroleum Engineer.

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

A first production conference will be scheduled within fifteen (15) days after receipt of the first production report. The Resource Area Office will coordinate the field conference.

No well abandonment operations will be commenced with the prior approval of the District Manager. If the case of a newly drilled dry hole or failures, and in emergency situations, oral approval will be obtained from the District Petroleum Engineer. A "Subsequent Report of Abandonment" will be filed with the District Manager within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the Area Manager or his representative, or the appropriate surface managing agency.



Anticipated Starting Dates and Notification of Operations:

Approval to vent/flare gas during initial well evaluation will be obtained from the District Office. This preliminary approval will not exceed 30 days or 50 MMCF gas. Approval to vent/flare beyond this initial test period will require District Office approval pursuant to guidelines in NTL-4A.

Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR 3162.6. The marker will be constructed as follows:

The top of the marker will be closed or capped.

The following minimum information will be permanently placed on the marker with a plate, cap or beaded-on with a welding torch:

"Fed" or "Ind" as applicable. "Well number, location by $\frac{1}{4}$ section, township and range" and "lease number".

Estimated starting date is September 20, 1986 with operations being conducted for approximately 30 days.

Please notify us if any additional information is necessary for the permitting of this well.

Respectfully,

BWAB Incorporated

A handwritten signature in black ink, appearing to read "John R. Keller".

John R. Keller
Production Superintendent

JRK/smr

Attachments

OPERATOR BWAB Inc. DATE 8-14-86

WELL NAME Buzzard Bench Fed. 3024

SEC SE SW 3 T 19S R 7E COUNTY Emerg

43-015-30229
API NUMBER

Fed
TYPE OF LEASE

CHECK OFF:

PLAT

BOND

NEAREST WELL

LEASE

FIELD

POTASH OR OIL SHALE

PROCESSING COMMENTS:

Unit Well - P.O.D approved 9/10/86
Water permit needed

APPROVAL LETTER:

SPACING: 203 Buzzard Bench 302
UNIT
 CAUSE NO. & DATE 302.1

STIPULATIONS:

1- water

BWAB INCORPORATED



August 12, 1986

RECEIVED
AUG 15 1986

Bureau of Land Management
Moab District Office
P. O. Box 970
Moab, UT 84532

DIVISION OF
OIL, GAS & MINING

Attention: Verlene Butts

RE: Buzzard Bench Federal 3-24
Sec 3-T19S-R7E
Emery County, UT

Dear Verlene:

As per your request today, please find enclosed two (2) each of the following:

Existing Access To Drillsite Map
Proposed New Access To Be Constructed Map
BOP Diagram

If I can be of further assistance, please don't hesitate to contact me.

Very truly yours,

BWAB Incorporated

Susan M. Rein
Production Assistant

smr

enclosures

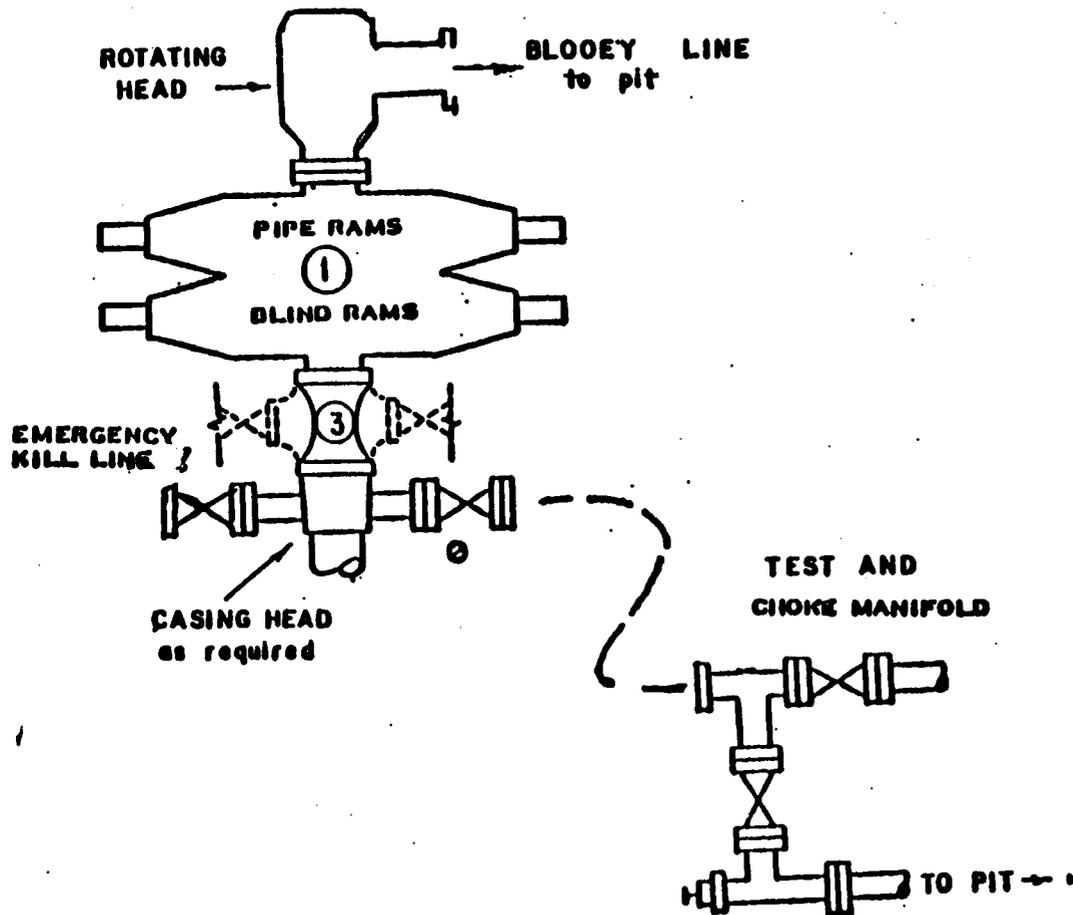
cc: San Rafael Resource Area
State of Utah

DOUBLE PREVENTER

FOR

AIR DRILLING

- ① SERIES 900 RAM-TYPE BOP
- ② 2" SERIES 900 VALVE
- ③ SERIES 900 DRILLING SPOOL

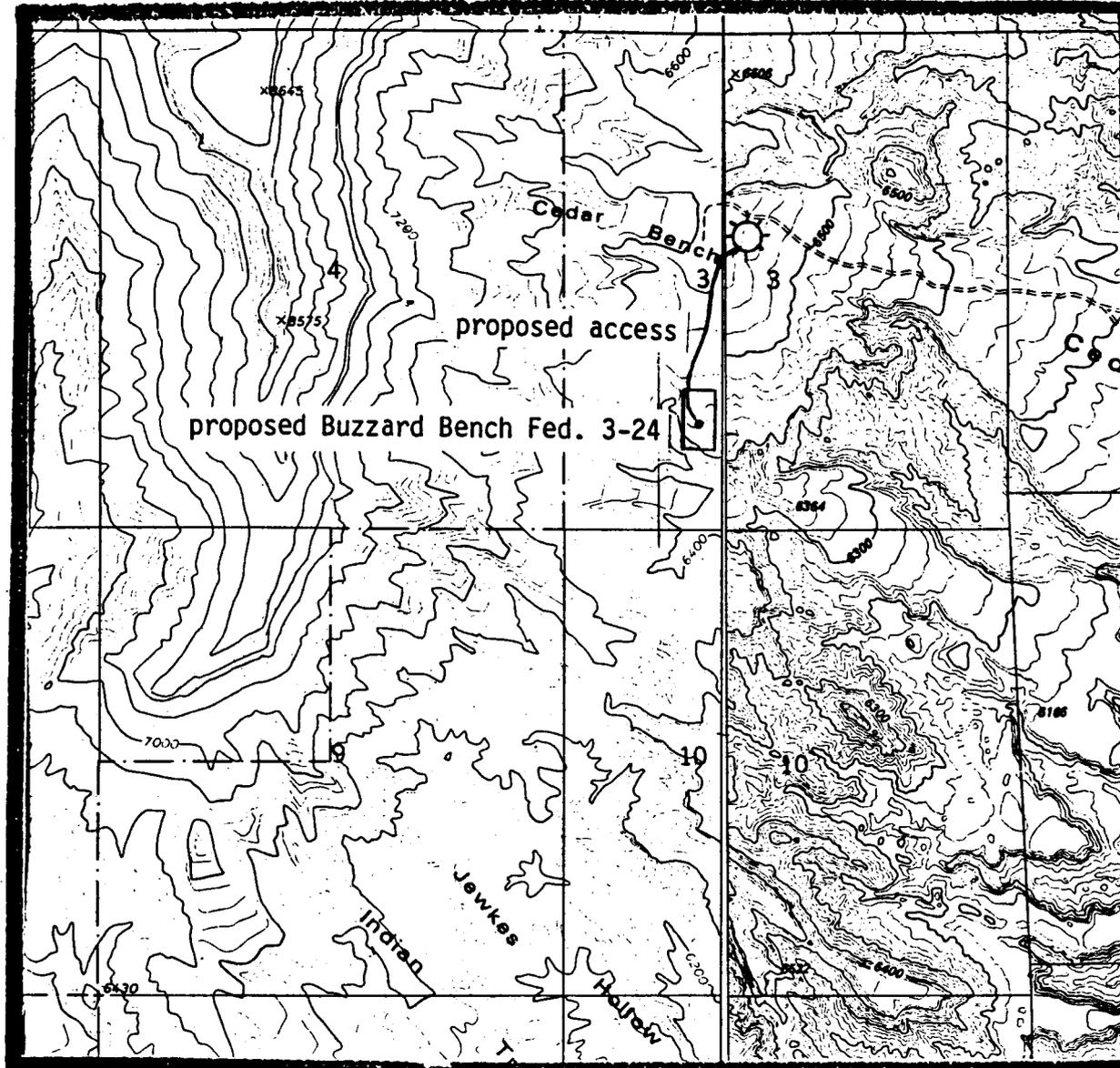


..... OPTIONAL EQUIPMENT

**3000 PSI WORKING PRESSURE
BLOWOUT PREVENTER HOOK-UP
(SERIES 900 FLANGES OR BETTER)**

BUZZARD BENCH FEDERAL #3-24
Emery County, Utah

PROPOSED NEW ACCESS TO BE CONSTRUCTED



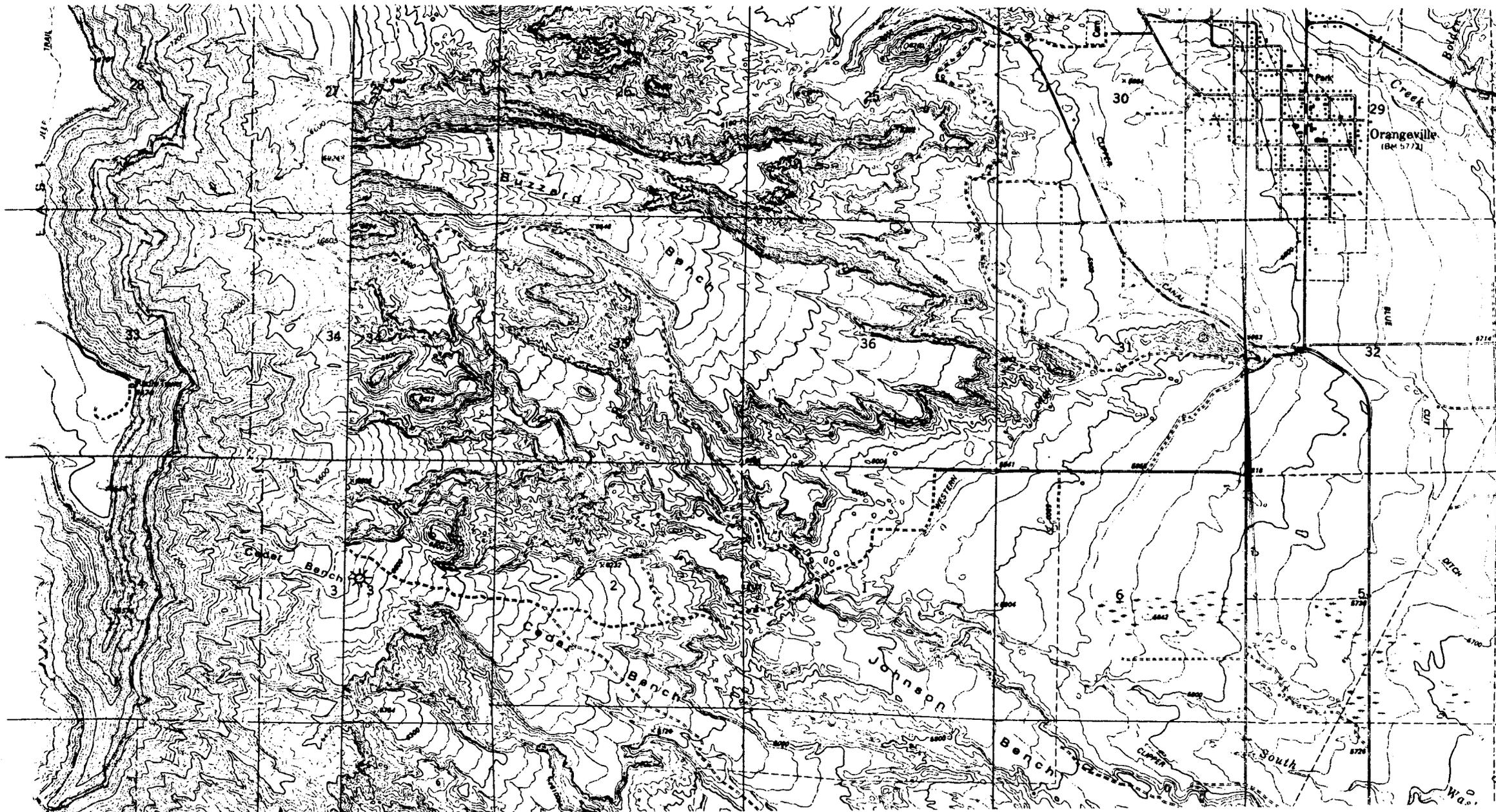
The Cap Quadrangle

Castle Dale Quadrangle

Scale: 1" = 2,000'

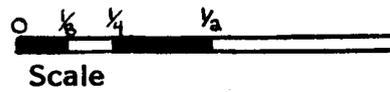
BUZZARD BENCH FEDERAL 3-24
EMERY COUNTY, UTAH

EXISTING ACCESS TO DRILLSITE



The Cap Quadrangle

Castle Dale Quadrangle





STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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

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

September 11, 1986

BWAB Incorporated
1801 California Street, Suite 1000
Denver, Colorado 80202

Gentlemen:

Re: Well Name: Buzzard Bench Federal 3-24 - SE SW Sec. 3, T. 19S, R. 7E
1236' FSL, 1595' FWL - Emery County, Utah

Approval to drill the referenced well is hereby granted in accordance with Section 40-6-18, Utah Code Annotated, as amended 1983; and predicated on Rule 203, Oil and Gas Conservation General Rules, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water as required by Chapter 3, Title 73, Utah Code Annotated.

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

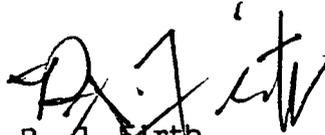
1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or R. J. Firth, Associate Director, (Home) 571-6068.
4. Compliance with the requirements and regulations of Rule 311.3, Associated Gas Flaring, Oil and Gas Conservation General Rules.

Page 2
BWAB Incorporated
Well Name: Buzzard Bench Federal 3-24
September 11, 1986

5. Prior to commencement of the proposed drilling operations, plans for toilet facilities and the disposal of sanitary waste at the drill site shall be submitted to the local health department having jurisdiction. Any such drilling operations and any subsequent well operations must be conducted in accordance with applicable State and local health department regulations. A list of all local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 533-6163.
6. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-015-30229.

Sincerely,



R. J. BIRTH
Associate Director, Oil & Gas

as
Enclosures
cc: Branch of Fluid Minerals
D. R. Nielson

8159T

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

091913

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
BWAB INCORPORATED (303) 295-7444

3. ADDRESS OF OPERATOR
1801 California Street, Suite 1000, Denver, CO 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface
NWSESW 1235.9' FSL & 1594.55' FWL of Section 3
At proposed prod. zone
same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Five miles southwest of Orangeville, Utah.

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1235.9'

16. NO. OF ACRES IN LEASE
1481.65

17. NO. OF ACRES ASSIGNED TO THIS WELL
160

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. approx 2400'

19. PROPOSED DEPTH
3,100'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
GR 6,440'

22. APPROX. DATE WORK WILL START*
September 20, 1986

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# or 36#	120'	Circulate to Surface
8-3/4"	7"	17# or 20#	2,790'	50 sx

RECEIVED
SEP 15 1986

DIVISION OF
OIL, GAS & MINING

24. SIGNED John R. Keller TITLE Production Superintendent DATE Aug 8, 1986
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY /s/ GENE NODINE TITLE DISTRICT MANAGER DATE SEP 12 1986

CONDITIONS OF APPROVAL, IF ANY:

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

CONDITIONS OF APPROVAL ATTACHED

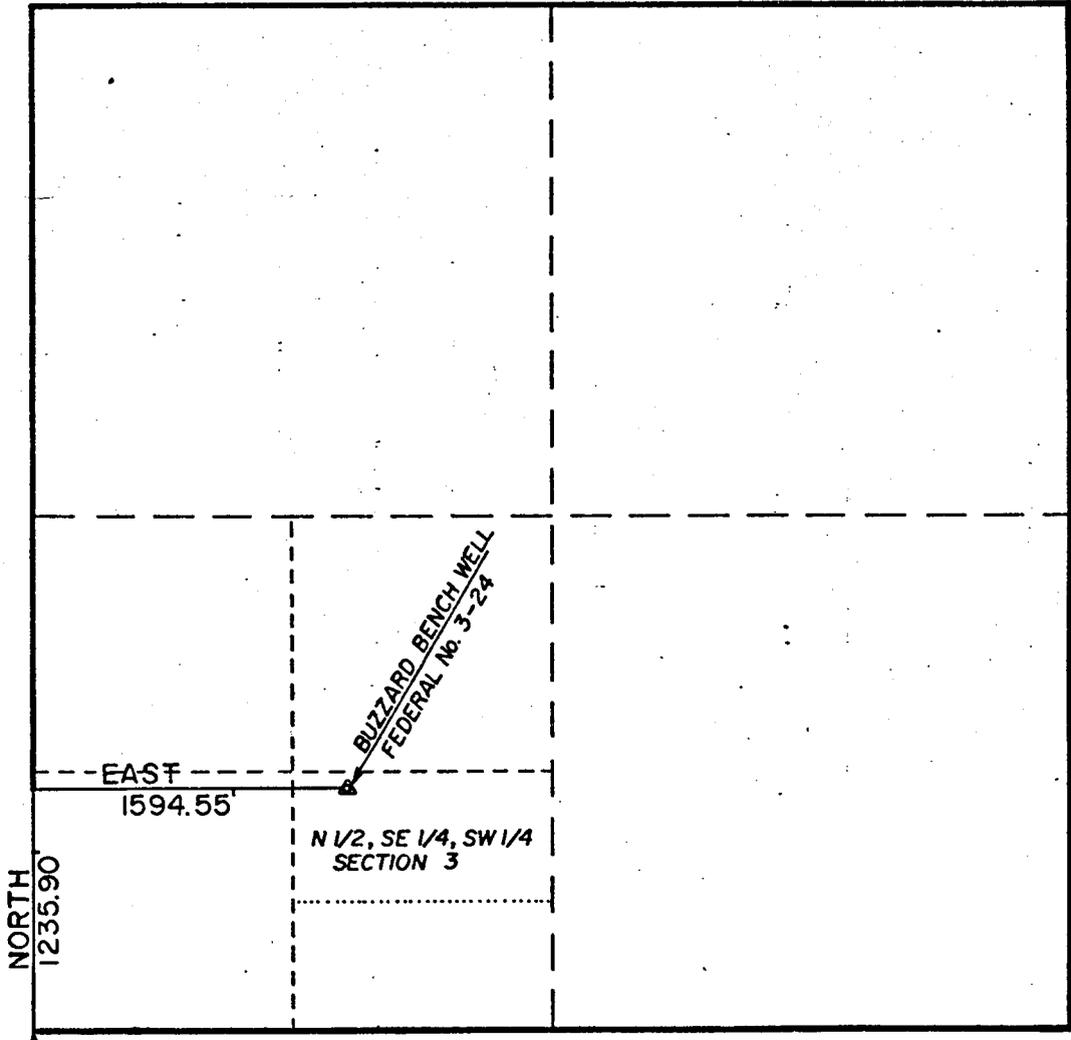
*See Instructions On Reverse Side

WELL LOCATION

BUZZARD BENCH WELL, FEDERAL No. 3-24 LOCATED IN THE NORTH HALF OF THE SOUTHEAST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 3, TOWNSHIP 19 SOUTH, RANGE 7 EAST OF THE SALT LAKE MERIDIAN, EMERY COUNTY, UTAH.

CERTIFICATE

I, Lee Mont Swasey A LICENSED SURVEYOR, HOLDING UTAH CERTIFICATE No. 6108, DO HEREBY CERTIFY THAT THE PLAT SHOWN HEREON HAS BEEN PREPARED FROM A FIELD SURVEY MADE UNDER MY DIRECTION AND CORRECTLY SHOWS THE DIMENSIONS AND MONUMENTS OF THE PROPERTY DESCRIBED TO THE BEST OF MY KNOWLEDGE AND BELIEF.



SW Cor., Sec 3, T.19 S., R.7 E.

SECTION	TOWNSHIP	RANGE
3	19 SOUTH	7 EAST
DATE	SCALE	BLOCK
JULY 1986	1" = 1000'	
PLAT	SURVEY	

LEE MONT SWASEY
 REGISTERED LAND SURVEYOR
 JOHANSEN & TUTTLE ENGR. INC.
 CASTLE DALE, UTAH

SURVEY FOR
BWAB INCORPORATED
 DENVER, COLORADO

BWAB Incorporated
Well No. Buzzard Bench Federal 3-24
Sec. 3, T. 19 S., R. 7 E.
Emery County, Utah
Lease U-18897-A

CONDITIONS OF APPROVAL

THIRTEEN POINT SURFACE USE PLAN

As a result of this well being located in identified critical wildlife winter range, if the well is completed for production, that portion of the pad and access road needed for production operations will be tabulated and added to overall acreage taken out of critical habitat by unit operations. At such time the cumulative impacts exceed 10 acres, the Authorized Officer may request a meeting with the Unit Operator to discuss the potential for habitat enhancement within the critical winter range in order to mitigate cumulative habitat loss. Such mitigation to be mutually agreed upon by the construction of wildlife reservoirs, guzzlers, reseeding, etc.

Mitigation of impacts to critical deer winter range will be provided for in the event of a production well (i.e., mufflers on motors, etc.). Actual mitigating measures will be developed by the Authorized Officer, BLM, upon notification by the operator.

Since the well pad and access route are located in critical deer winter range, drilling will not be allowed between November 15 and May 1. These dates are subject to change pending conditions during this period.

Trees around outside of well pad shall be left to mitigate visual impacts.

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

111916

5. LEASE DESIGNATION AND SERIAL NO.

U-18897-A Federal

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

n/a

7. UNIT AGREEMENT NAME

Buzzard Bench

8. FARM OR LEASE NAME

Buzzard Bench Federal

9. WELL NO.

3-24

10. FIELD AND POOL, OR WILDCAT

Greater Ferron Field

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

Sec 3-T19S-R7E

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
BWAB Incorporated

3. ADDRESS OF OPERATOR
1801 California Street, Suite 1000, Denver, CO 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface NWSEW 1235.9' FSL & 1594.55' FWL of Section 3
At top prod. interval reported below
At total depth

14. PERMIT NO. DATE ISSUED
43-015-30229 API 09-11-86

12. COUNTY OR PARISH 13. STATE
Emery Utah

15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (OF, REB, RT, GR, ETC.)* 19. ELEV. CASINGHEAD
09/28/86 10/07/86 11/02/86 6,440' GR -

20. TOTAL DEPTH, MD & TVD 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS
3,070' 2980' - 0' - 3,070'

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 25. WAS DIRECTIONAL SURVEY MADE
2,774' - 2,786' -

26. TYPE ELECTRIC AND OTHER LOGS RUN Temperature Log, CDL/LPN/GR below 7" csg. 27. WAS WELL CORED
Dual Induction Focused Log/GR, Densilog/linear Porosity Neutron/GR No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	36#	127' KB	12-1/4"	136 sx CI "G",	
7"	20#	2766' KB	8-3/4"	75 sx CI "G", 2% CaCl	
4-1/2"	11.6#	3069' KB	6-1/4"	75 sx RFC 10-0 cem	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	2767' KB	-

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
2,774' - 2,786'	750 gal NARS 200 w/75 ball sealers & 400 SFC of N2/bbl 29,700 gal 75Q Foam, 52,000# 20/40, & 2800# 10/20 sd.

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NOV 17 1986

33.* OIL GAS & MINING PRODUCTION
DATE FIRST PRODUCTION 10-19-86
PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing
WELL STATUS (Producing or shut-in) Shut-in

DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
11/1/86	24	18/64"	→	0	635	0	n/a
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
390	410	→	0	635	0	n/a	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) vented TEST WITNESSED BY Mr. George Turner

35. LIST OF ATTACHMENTS
Sent under separate cover.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED John R. Keller TITLE Drilling & Production Manager DATE 11/11/86

INSTRUCTIONS

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

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

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

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

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

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

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Emery SS	surface		
Blue Gate Sh	1200		
Ferron SS	2765		

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH

RECEIVED
NOV 20 1989



BWAB INCORPORATED

DIVISION OF
OIL, GAS & MINING

November 15, 1989

State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

RE: Orangeville Federal #1-11
NENE Section 11, T19S-R7E
Emery County, Utah

Orangeville Federal #4-1
NWNW Section 1, T19S-R7E
Emery County, Utah

Buzzard Bench Federal #3-24
NWSESW Section 3, T19S-R7E
Emery County, Utah

Gentlemen:

Enclosed please find one (1) original and three (3) copies of a Sundry Notice for each of the referenced wells.

Upon approval, please return one (1) executed copy to our offices for our files.

If you have any questions, please contact the undersigned.

Sincerely,

BWAB INCORPORATED

Erin K. Pettigrew
Operations Secretary

/ep
enclosures

cc: Chandler & Associates, Inc.
Attn: Hugo Cartaya

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

5. LEASE DESIGNATION AND SERIAL NO.

Federal U-18897-A

IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON

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

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NOV 20 1989
DIVISION OF
OIL, GAS & MINING

UNIT AGREEMENT NAME

Buzzard Bench

6. FARM OR LEASE NAME

Buzzard Bench Federal

9. WELL NO.

#3-24

10. FIELD AND POOL, OR WILDCAT
Greater Ferron Field

11. SEC., T., R., M., OR S.E. AND
SUBST. OR ABSA

Sec. 3-T19S-R7E

12. COUNTY OR PARISH

Emery

13. STATE

Utah

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
BWAB INCORPORATED

3. ADDRESS OF OPERATOR
555-17th St., Suite 1900, Denver, CO 80202

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

1235.9' FSL & 1594.55' FWL (NWSESW)

14. PERMIT NO.
43-015-30229

15. ELEVATIONS (Show whether DF, ST, GR, etc.)
6,440' GL

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT*

REPAIR WELL

CHANGE PLANS

(Other)

(Other) CHANGE OF OPERATOR

(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 and 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.)*

Please be advised that effective November 1, 1989, the referenced well has been sold to and will be operated by:

Chandler & Associates, Inc.
Attn: Hugo Cartaya
1860 Lincoln Street, Suite 770
Denver, CO 80203
303-863-9100

Chandler & Associates is operating under BLM Bond No. 19S40787BCA.

OIL AND GAS	
DRN	RJF
JRB	GLH
2-DTS/AS	SLS
1-TAS	

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

SIGNED

John R. Keller

TITLE Drlg & Production Mgr

3- MICROFILM 11/15/89

(This space for Federal or State office use)

4- FILE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

**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.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-18897-A	
2. NAME OF OPERATOR CHANDLER & ASSOCIATES, INC.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A	
3. ADDRESS OF OPERATOR 1860 Lincoln St., Suite 770, Denver, CO 80203		7. UNIT AGREEMENT NAME BUZZARD BENCH	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1235.9' FSL, 1594.55' FWL (NW SE SW)		8. FARM OR LEASE NAME BUZZARD BENCH FED	
14. PERMIT NO. 43-015-30229		9. WELL NO. 3-24	
15. ELEVATIONS (Show whether DP, RT, GR, etc.) GL 6440'		10. FIELD AND POOL, OR WILDCAT Greater Ferron Field	
		11. SEC., T., B., M., OR BLK. AND SURVEY OR AREA Sec 3-19S-7E	
		12. COUNTY OR PARISH Emery	13. STATE Utah

RECEIVED
DEC 04 1989
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"/>	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) _____	
(Other) <u>CHANGE OF OPERATOR</u>		(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.)*

Please be advised that on November 1, 1989, the referenced well was purchased from BWAB and will be operated by:

CHANDLER & ASSOCIATES, INC.
Attn: Hugo Cartaya
1860 Lincoln St., Suite 770
Denver, CO 80203
(303) 863-9100

Chandler & Associates, Inc. is operating under BLM Bond No. 19S40787BCA

OIL AND GAS	
DRN	RJF
JRB	GLH
2-DISPTS	SLS
1-TAS	
3-	MICROFILM
4-	FILE

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

SIGNED Hugo Cartaya TITLE Petroleum Engineer DATE November 30, 1989
Hugo Cartaya

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

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

RECEIVED
DEC 29 1986

DIVISION OF
OIL, GAS & MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number BUZZARD BENCH FEDERAL 3-24 43-015-30229
Operator BWAB INCORPORATED Address 1801 California Street, Denver, CO 80202
Contractor Blu H Well Service Address P. O. Box 10, Rangely, CO 81648
Location SE 1/4 SW 1/4 Sec. 3 T. 19S R. 7E County Emery

Water Sands

<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
From	To	Flow Rate or Head	Fresh or Salty
1.		no water encountered	
2.			
3.			
4.			
5.			

(Continue of reverse side if necessary)

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.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE
(Other instructions on
reverse side)

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

8. LEASE DESIGNATION AND SERIAL NO.
U-18897-A

9. 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
Use "APPLICATION FOR PERMIT-" for such purposes)

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MAR 12 1990

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
CHANDLER & ASSOCIATES, INC. DIVISION OF OIL, GAS & MINING

3. ADDRESS OF OPERATOR
1860 Lincoln St., Suite 770, Denver, CO 80203

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface
1235.9' FSL, 1597.55' FWL (NW SE SW)

UNIT AGREEMENT NAME
Buzzard Bench Unit

5. FARM OR LEASE NAME
BUZZARD BENCH

9. WELL NO.
3-24

10. FIELD AND POOL, OR WILDCAT
Greater Ferron Field

11. SEC. T., R., M. OR B.L. AND SURVEY OR AREA
Sec 3-19S-7E

14. PERMIT NO.
43-015-30229

15. ELEVATIONS (Show whether OF, ST, OR, ETC.)
GR 6440'

12. COUNTY OR PARISH 13. STATE
Emery UT

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

NOTICE OF INTENTION TO:

- TEST WATER SHUT-OFF
- FRACTURE TREAT
- BROOD OR ACIDIZE
- REPAIR WELL
- (Other)
- PULL OR ALTER CASING
- MULTIPLE COMPLETE
- ABANDON*
- CHANGE PLANE

SUBSEQUENT REPORT OF:

- WATER SHUT-OFF
- FRACTURE TREATMENT
- SHOOTING OR ACIDIZING
- (Other) Extension of St Status
- 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.)

Economic and marketing conditions for connecting this well for gas sales have not changed. Chandler & Associates, Inc. is therefore requesting an extension of shut-in status.

OIL AND GAS	
DRN	INF
JRB ✓	CLH
DTS	SLS
2-TAS	
3.	MICROFILM ✓
4.	FILE

cc: State of Utah
Div of Oil, Gas, & Mining

18. I hereby certify that the foregoing is true and correct
SIGNED Hugo Cartaya TITLE Petroleum Engineer DATE March 8, 1990
(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

RECEIVED

MAR 19 1991

FORM APPROVED
Budget Bureau No. 1004-1135
Expires September 30, 1990

DIVISION OF
SUNDRY NOTICES AND REPORTS ON WELLS OIL GAS & MINING

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

Chandler & Associates, Inc.

3. Address and Telephone No.

1850 Anaconda Tower, 555 - 17th St., Denver, CO 80202

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

1235.9 FSL, 1594.55' FWL of Sec 3-19S-7E (NW SE SW)

5. Lease Designation and Serial No.

U-18897-A

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

Buzzard Bench

8. Well Name and No.

BUZZARD BENCH 3-24

9. API Well No.

43-015-30229 PGW

10. Field and Pool, or Exploratory Area

Buzzard Bench

11. County or Parish, State

Emery, UT

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
- Change of Plans
- New Construction
- Non-Routine Fracturing
- Water Shut-Off
- Conversion to Injection

Notice of First Delivery/Sales

(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 drilled and completed in September/October, 1986. It was SI November, 1986 and has not produced since that time.

On March 12, 1991, well was hooked up to pipeline with first delivery and sales of 551 MCF.

cc: Utah Division of Oil, Gas & Mining

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

Signed

Hugo Santaya

Title

Petroleum Engineer

Date

March 12, 1991

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

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

<p>SUNDRY NOTICES AND REPORTS ON WELLS</p> <p>Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT – for such proposals</p>		6. Lease Designation and Serial Number
		7. Indian Allottee or Tribe Name
		8. Unit or Communitization Agreement
		9. Well Name and Number
1. Type of Well		10. API Well Number
<input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other (specify)		11. Field and Pool, or Wildcat
2. Name of Operator <i>Shenandoah Energy Inc.</i>		
3. Address of Operator <i>475 17th Street, Suite #1000 Denver, Colorado 80202</i>	4. Telephone Number <i>303-295-0400</i>	
5. Location of Well		
Footage : Please see attached spreadsheet		County :
QQ, Sec. T., R., M. :		State :

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA																											
<p align="center">NOTICE OF INTENT (Submit in Duplicate)</p> <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Abandonment</td> <td><input type="checkbox"/> New Construction</td> </tr> <tr> <td><input type="checkbox"/> Casing Repair</td> <td><input type="checkbox"/> Pull or Alter Casing</td> </tr> <tr> <td><input type="checkbox"/> Change of Plans</td> <td><input type="checkbox"/> Recompletion</td> </tr> <tr> <td><input type="checkbox"/> Conversion to Injection</td> <td><input type="checkbox"/> Shoot or Acidize</td> </tr> <tr> <td><input type="checkbox"/> Fracture Treat</td> <td><input type="checkbox"/> Vent or Flare</td> </tr> <tr> <td><input type="checkbox"/> Multiple Completion</td> <td><input type="checkbox"/> Water Shut-Off</td> </tr> <tr> <td><input type="checkbox"/> Other _____</td> <td></td> </tr> </table> <p>Approximate Date Work Will Start _____</p>	<input type="checkbox"/> Abandonment	<input type="checkbox"/> New Construction	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Recompletion	<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Shoot or Acidize	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> Other _____		<p align="center">SUBSEQUENT REPORT (Submit Original Form Only)</p> <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Abandonment *</td> <td><input type="checkbox"/> New Construction</td> </tr> <tr> <td><input type="checkbox"/> Casing Repair</td> <td><input type="checkbox"/> Pull or Alter Casing</td> </tr> <tr> <td><input type="checkbox"/> Change of Plans</td> <td><input type="checkbox"/> Shoot or Acidize</td> </tr> <tr> <td><input type="checkbox"/> Conversion to Injection</td> <td><input type="checkbox"/> Vent or Flare</td> </tr> <tr> <td><input type="checkbox"/> Fracture Treat</td> <td><input type="checkbox"/> Water Shut-Off</td> </tr> <tr> <td><input checked="" type="checkbox"/> Other <u>Change of Operator</u></td> <td></td> </tr> </table> <p>Date of Work Completion _____</p> <p><small>Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form. * Must be accompanied by a cement verification report.</small></p>	<input type="checkbox"/> Abandonment *	<input type="checkbox"/> New Construction	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Shoot or Acidize	<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Water Shut-Off	<input checked="" type="checkbox"/> Other <u>Change of Operator</u>	
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<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Water Shut-Off																										
<input checked="" type="checkbox"/> Other <u>Change of Operator</u>																											

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please be advised that effective 1/1/200 Chandler & Associates, Inc has changed its name to Shenandoah Energy Inc. Shenandoah Energy Inc. is responsible under the terms and conditions of the lease for the operation conducted upon the leased lands.

Shenandoah Energy Inc. is bonded in the amount of \$80,000.00 to the School and Inst. Trust Lands via a name change rider filed with the State. Continental Casualty Bond # 159261960.

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

Name & Signature Thomas D. Taylor Title Production Geologist Date 05/25/2000

(State Use Only)

RECEIVED

MAY 30 2000

DIVISION OF OIL, GAS AND MINING

SHENANDOAH ENERGY INC.
UTAH OPERATED WELLS

A.P.I. #	ENTITY	WELL NAME	WELL #	LOCATION	FIELD NAME	PROD. ZONE	FORMATION	WELL TYPE	AGREEMENT
43-047-15090-00	04915	WRU	#31-4	SWSE 4, 8S-22E	WHITE RIVER		GREENRIVER	WSW	8910035090
43-047-15081-00	04915	WRU	#16-9	SWSE 9, 8S-22E	WHITE RIVER	GRRV	GREENRIVER	OW	891003509D
43-047-15084-00	04915	WRU	#20-9	NESW 9, 8S-22E	WHITE RIVER	GRRV	GREENRIVER	OW	891003509D
43-047-15087-00	04915	WRU	#25-9	NENE 9, 8S-22E	WHITE RIVER	GRRV	GREENRIVER	OW	891003509D
43-047-31354-00	05170	WRU	#43-16	NENW 16, 8S-22E	WHITE RIVER	GRRV	GREENRIVER	OW	
43-047-31399-00	09915	WRU	#45-16	NENE 16, 8S-22E	WHITE RIVER	GRRV	GREENRIVER	OW	
43-047-32052-00	11468	DESERT SPRINGS FED.	#20-1	NESW 20, 10S-18E	WILDCAT	GRRV	GREEN RIVER	OW	
43-013-32088-00	12497	W. DESERT SPRING	#11-20	NESW 20, 10S-17E	WILDCAT	WSTC	WASATCH	OW	
43-013-32057-00	12497	W. RIVER BEND	#16-17-10-17	SESE 17, 10S-17E	WILDCAT	GRRV	GREEN RIVER	OW	
43-013-31888-00	12497	W. RIVER BEND	#3-12-10-15	NENW 12, 10S-15E	WILDCAT	GRRV	GREEN RIVER	OW	
43-013-32084-00	12497	WILKIN RIDGE	#13-23	SWSW 23, 10S-16E	WILDCAT	WSTC	GREEN RIVER	OW	
43-047-33163-00		DESERT SPRING	#7-30-10-18	SWNE 30, T10S-R18E	APD	WSTC			

RECEIVED

MAY 30 2000

DIVISION OF
OIL, GAS AND MINING

RECEIVED

MAY 30 2000

SHENANDOAH ENERGY INC.
UTAH OPERATED WELLS

DIVISION OF OIL, GAS AND MINING			SHENANDOAH ENERGY INC. UTAH OPERATED WELLS						
A.P.I. #	ENTITY	WELL NAME	WELL #	LOCATION	FIELD NAME	PROD. ZONE	FORMATION	WELL TYPE	AGREEMENT
43-015-30168-00	10684	BUZZARD BENCH FED	#6-3	SENW 3, 19S-7E	BUZZARD BENCH	FRSD	FERRON	GW	8910204190
43-015-30229-00	10670	BUZZARD BENCH FED	#3-24	SESW 3, 19S-7E	BUZZARD BENCH	FRSD	FERRON	GW	8910204190
43-015-30110-00	10685	FERRON FED	#16-20	SESE 20, 17S-8E	BUZZARD BENCH	FRSD	FERRON	OW	
43-015-30257-00	11837	FERRON FEDERAL	#7-12-19-7	SWNE 12, 19S-7E	BUZZARD BENCH	FRSD	UPPER FERRON	GW	
43-015-30000-00		FERRON FEDERAL	#16-9-10-7	SESE 9, 19S-7E	FERRON		FERRON	DRG	
43-015-3025300	11836	FERRON STATE	#4-36	SWNW 36, 18S-7E	BUZZARD BENCH	FRSD	FERRON	GW	
43-015-30222-00	11029	ORANGEVILLE FED	#1-11	NENE 11, 19S-7E	BUZZARD BENCH	FRSD	UPPER FERRON	GW	891020388A
43-015-30221-00	10600	ORANGEVILLE FED	#4-1	NWNW 1, 19S-7E	BUZZARD BENCH	FRSD	UPPER FERRON	GW	
43-015-30102-00	10920	ORANGEVILLE ST	#1-36	SESE 36, 18S-7E	BUZZARD BENCH	FRSD	UPPER FERRON	GW	8910203880
43-015-30179-00	00535	ORANGEVILLE STATE	#10-2	NWSE 2, 19S-7E	BUZZARD BENCH	FRSD	LOWER FERRON	GW	891020388A
43-015-30108-00	10978	ORANGEVILLE UNIT	#16-6	SESE 6, 18S-8E	BUZZARD BENCH	FRSD	FERRON	OW	
43-047-33164-00	12496	DESERT SPRING	#16-19-10-18	SESE 19, 10S-18E	DESERT SPRING	GRRV	GREEN RIVER	OW	
43-047-3316200	12523	DESERT SPRING	#3-29-10-18	NWNE 29, 10S-18E	DESERT SPRING	GRRV	GREEN RIVER	OW	
43-047-32493-00	11630	E COYOTE FEDERAL	#14-4-8-25	SESW 4, 8S-25E	EAST COYOTE FEDERAL	GRRV	GREENRIVER	OW	
43-047-31555-00	09497	ANTELOPE DRAW	#2-17-4C	SESW 17, 8S-22E	GLEN BENCH	GRRV	GREENRIVER	OW	UTU73974X
43-047-31556-00	09498	ANTELOPE DRAW	#3-17-3C	SESE 17, 8S-22E	GLEN BENCH	GRRV	GREENRIVER	OW	UTU73974X
43-047-32476-00	11862	GLEN BENCH	#8-19	SENE 19, 8S-22E	GLEN BENCH	GRRV	GREENRIVER	OW	UTU73974X
43-047-31257-00	11587	GLEN BENCH FED	#44-19	L 20 19, 8S-22W	GLEN BENCH	GRRV	GREEN RIVER	OW	UTU73974X
43-047-31355-00	11588	GLEN BENCH FED	#13-20	NWSW 20, 8S-22E	GLEN BENCH	GRRV	GREENRIVER	OW	UTU73974X
43-047-31356-00	06135	GLEN BENCH FED	#22-20	SENW 20, 8S-22E	GLEN BENCH		GREEN RIVER	WIW	UTU73974X
43-047-31433-00	06196	GLEN BENCH FED	#31-20	NWNE 20, 8S-22E	GLEN BENCH	GRRV	GREENRIVER	OW	UTU73974X
43-047-31008-00	06045	GLEN BENCH FED	#31-30	L 6 30, 8S-22E	GLEN BENCH	GRRV	GREEN RIVER	OW	UTU73974X
43-047-31260-00	06050	GLEN BENCH FED	#22-30	SENW 30, 8S-22E	GLEN BENCH	GRRV	GREEN RIVER	OW	UTU73974X
43-047-32549-00	11716	GLEN BENCH STATE	#6-16	SENW 16, 8S-22E	GLEN BENCH	GRRV	GREENRIVER	OW	UTU73974X
43-047-32582-00	11716	GLEN BENCH STATE	#7-16	SENE 16, 8S-22E	GLEN BENCH		GREENRIVER	WIW	UTU73974X
43-047-32583-00	11732	GLEN BENCH STATE	#12-16	NWSW 16, 8S-22E	GLEN BENCH		GREENRIVER	WIW	UTU73974X
43-047-32756-00	11955	GLEN BENCH UNIT	#15-19-8-22	SWSE 19, 8S-22E	GLEN BENCH		GREEN RIVER	WIW	UTU73974X
43-047-32755-00	12014	GLEN BENCH UNIT	#4-30-8-22	NWNW 30, 8S-22E	GLEN BENCH	GRRV	GREEN RIVER	OW	UTU73974X
43-047-32857-00	12219	GLEN BENCH UNIT	#11-16-8-22	NESW 16, 8S-22E	GLEN BENCH	GRGBS	GREEN RIVER	OW	UTU73974X
43-013-3147700	12248	UTD WALTON	#26-03	NENW 26, 9S-16E	MONUMENT BUTTE	GRRV	GREEN RIVER	OW	
43-047-33252-00	12527	GLEN BENCH STATE	#2-36-8-21	NENW 36, 8S-21E	NATURAL BUTTES	WSTC	WASATCH	GW	
43-047-33037-00	12377	GLEN BENCH STATE	#8A-36-8-21	SWNE 36, 8S-21E	NATURAL BUTTES	WSTC	WASATCH	GW	
43-047-33038-00	12378	GLEN BENCH STATE	#6-36-8-21	SENW 36, 8S-21E	NATURAL BUTTES	WSTC	WASATCH	GW	
43-047-32746-00	11944	SAGE GROUSE FEDERAL	#6-14-8-22	SENW 14, 8S-22E	NATURAL BUTTES	GRRV	GREEN RIVER	GW	
43-047-32724-00	12361	SAGE GROUSE FEDERAL	#8-36-8-21	SENE 36, 8S-21E	NATURAL BUTTES	GRRV	GREEN RIVER	GW	
43-047-3309500	12528	WHITE RIVER UNIT	#13-35-8-22	SWSW 35, 8S-22E	NATURAL BUTTES	WSTC	WASATCH	GW	891003509B
43-047-3306100	12528	WHITE RIVER UNIT	#15-35-8-22	SWSE 35, 8S-22E	NATURAL BUTTES	WSTC	WASATCH	GW	891003509B
43-047-3275400	12003	FLU KNOLLS FED.	#23-3	NESW 3, 10S-18E	UTELAND BUTTE	GRRV	GREEN RIVER	OW	
43-047-15083-00	04915	WHITE RIVER UNIT	#19-9	SWNE 9, 8S-22E	WHITE RIVER		GREENRIVER	WIW	891003509D
43-047-15080-00	04915	WRU	#15-9	NESE 9, 8S-22E	WHITE RIVER	GRRV	GREENRIVER	OW	891003509D
43-047-15085-00	04915	WRU	#24-10	NESW 10, 8S-22E	WHITE RIVER	GRRV	GREENRIVER	OW	891003509D
43-047-15086-00	04915	WRU	#27-10	SWNE 10, 8S-22E	WHITE RIVER	GRRV	GREENRIVER	OW	891003509D
43-047-31561-00	10000	WRU	#47-10	L1 10, 8S-22E	WHITE RIVER	GRRV	GREENRIVER	OW	



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

In Reply Refer To:
3100
U-058 et al
(UT-932)

JUN 5 2000

NOTICE

Shenandoah Operating Company, LLC : Oil and Gas Leases
475 17th Street, Suite 1000 :
Denver, CO 80202 :

Name Change Recognized

Acceptable evidence has been received in this office concerning the change of name of Chandler & Associates, LLC to Shenandoah Operating Company, LLC on Federal oil and gas leases.

The oil and gas lease files identified on the enclosed exhibit have been noted as to the name change. The exhibit was compiled from a list of leases obtained from our automated records system. We have not abstracted the lease files to determine if the entity affected by the name change holds an interest in the leases identified nor have we attempted to identify leases where the entity is the operator on the ground maintaining no vested record title or operating rights interests. We are notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the name change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

A rider to statewide Surety Bond No. 124 29 03 64 (BLM Bond No. UT0969) changing the name on the bond from Chandler & Associates, LLC to Shenandoah Energy Inc. has been accepted by this office effective January 26, 2000. However, the rider makes no mention of Shenandoah Operating Company, LLC. A rider to the above bond adding the name of Shenandoah Operating Company, LLC needs to be submitted to this office.

/s/ Robert Lopez

Robert Lopez
Chief, Branch of
Minerals Adjudication

Enclosure
Exhibit of Leases

RECEIVED

JUN 06 2000

DIVISION OF
OIL, GAS AND MINING



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

IN REPLY REFER TO
UT-931

August 24, 2000

Attn: Scott M. Webb
Shenandoah Energy Inc.
465 17th Street, Suite 1000
Denver, Colorado 80202

Re: Buzzard Bench Unit
Emery County, Utah

Gentlemen:

On August 24, 2000, we received an indenture dated August 18, 2000, whereby Shenandoah Operating Company, L.L.C. resigned as Unit Operator and Shenandoah Energy Inc. was designated as Successor Unit Operator for the Buzzard Bench Unit, Emery County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective August 24, 2000. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Buzzard Bench Unit Agreement.

Your statewide (Utah) oil and gas bond No. 0969 will be used to cover all operations within the Buzzard Bench Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure

bcc: Field Manager - Moab (w/enclosure)
Division of Oil, Gas & Mining
Minerals Adjudication Group U-932
File - Buzzard Bench Unit (w/enclosure)
MMS - Data Management Division
Agr. Sec. Chron
Fluid Chron

UT931:TAThompson:tt:8/24/00

Results of query for MMS Account Number 8910204190

API Number	Operator	Well Name	Well Status	Lease or CA Number	Inspection Item	Township	Range	Section	Q
4301530168	SHENANDOAH ENERGY INCORPORATED	6-3 BUZZARD BENCH FE	PGW	UTU18897A	8910204190	19S	7E	3	S
4301530229	SHENANDOAH ENERGY INCORPORATED	3-24 BUZZARD BENCH-F	PGW	UTU18897A	8910204190	19S	7E	3	S

DISCLAIMER for online data: No warranty is made by the BLM for use of the data for purposes not intended by the BLM.

OPERATOR CHANGE WORKSHEET

ROUTING

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

Enter date after each listed item is completed

X Change of Operator (Well Sold)

Designation of Agent

Operator Name Change (Only)

Merger

The operator of the well(s) listed below has changed, effective: **8-24-2000**

FROM: (Old Operator):
CHANDLER & ASSOCIATES INC
Address: 475 17TH STREET STE 1000
DENVER, CO 80202
Phone: 1-(303)-295-0400
Account No. N3320

TO: (New Operator):
SHENANDOAH ENERGY INC
Address: 475 17TH STREET STE 1000
DENVER, CO 80202
Phone: 1-(303)-295-0400
Account No. N4235

CA No.

Unit: BUZZARD BENCH

WELL(S)

NAME	API NO.	ENTITY NO.	SEC. TWN RNG	LEASE TYPE	WELL TYPE	WELL STATUS
BUZZARD BENCH FEDERAL 6-3	43-015-30168	10684	03-19S-07E	FEDERAL	GW	P
BUZZARD BENCH FEDERAL 3-24	43-015-30229	10670	03-19S-07E	FEDERAL	GW	P

OPERATOR CHANGES DOCUMENTATION

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 05/30/2000
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 05/30/2000
- The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 11/02/2000
- Is the new operator registered in the State of Utah: YES Business Number: 1467732-0143
- If **NO**, the operator was contacted on: _____
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the (merger, name change, or operator change for all wells listed on Federal or Indian leases on: 06/05/2000
- Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: 08/24/2000
- Federal and Indian Communization Agreements ("CA"):** The BLM or the BIA has approved the operator

change for all wells listed involved in a on: N/A

9. Underground Injection Control ("UIC") Prog: The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

- 1. Changes entered in the **Oil and Gas Database** on: 11/06/2000
- 2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 11/06/2000
- 3. Bond information entered in RBDMS on: N/A
- 4. Fee wells attached to bond in RBDMS on: N/A

STATE BOND VERIFICATION:

- 1. State well(s) covered by Bond No.:

FEE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:

- 1. (R649-3-1) The **NEW** operator of any fee well(s) listed has furnished a bond: N/A
- 2. The **FORMER** operator has requested a release of liability from their bond on: N/A
The Division sent response by letter on: N/A
- 3. (R649-2-10) The **FORMER** operator of the Fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on:

FILMING:

- 1. All attachments to this form have been **MICROFILMED** on: 3.2.01

FILING:

- 1. **ORIGINALS/COPIES** of all attachments pertaining to each individual well have been filed in each well file on:

COMMENTS:

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 type="checkbox"/> OTHER <u>See Exhibit A</u>		5. LEASE DESIGNATION AND SERIAL NUMBER: <u>See Exhibit A</u>
2. NAME OF OPERATOR: MERRION OIL & GAS CORPORATION		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 610 Reilly Avenue CITY Farmington STATE NM ZIP 87401-2634		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: <u>See Exhibit A</u>		8. WELL NAME and NUMBER: <u>See Exhibit A</u>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <u>See Exh A</u>		9. API NUMBER: <u>Exhibit A</u>
COUNTY: <u>Emery</u>		10. FIELD AND POOL, OR WILDCAT: <u>See Exhibit A</u>
STATE: <u>UTAH</u>		

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"/> 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 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 checked="" type="checkbox"/> OTHER: <u>Change of Operator</u>
	<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.

Shenandoah Energy, Inc., 475 17th St., Suite 1000, Denver, CO 80202, (303) 295-0400, hereby resigns effective May 1, 2002.

SHENANDOAH ENERGY, INC.

NAME (Please Print) Gary L. Nordloh TITLE President

SIGNATURE [Signature] DATE 5/7/02

Please be advised that effective May 1, 2002, Merrion Oil & Gas Corporation, 610 Reilly Avenue, Farmington, NM 87401-2634, 505-327-9801, has assumed the operatorship of the wells described on Exhibit A attached hereto and made a part hereof. Merrion Oil & Gas Corporation is now responsible under the terms and conditions of the lease for the operations conducted upon the lease lands. Bond coverage for the lease activities is provided by NM 0883.
State & Fee Bonding in process.

MERRION OIL & GAS CORPORATION

NAME (PLEASE PRINT) George F. Sharpe TITLE President Investment Mgr

SIGNATURE [Signature] DATE 5-15-02

(This space for State use only)

EXHIBIT A

Attached to and made a part of that certain Form 9, dated effective May 1, 2002, by
 SHENANDOAH ENERGY, INC. and MERRION OIL AND GAS CORPORATION

<u>Box 1</u> <u>Type of Well</u>	<u>Box 4</u> <u>Footages at Surface</u>	<u>Box 4</u> <u>Q/Q/Sec/T/R/M</u>	<u>Box 5</u> <u>Lease Designation & Serial #</u>	<u>Box 8</u> <u>Well Name and Number</u>	<u>Box 9</u> <u>API Number</u>	<u>Box 10</u> <u>Field and Pool</u>
Gas	1994' FNL & 1867' FEL	SWNE 12-19S-7E	UTU-18134	Ferron Fed 7-12-19-7	43-015-30257	Buzzard Bench
Gas	511' FSL & 899' FEL	SESE 9-19S-7E	UTU-69403	Ferron Fed 16-9-19-7	43-015-30256	Lone Mountain
Oil	770' FSL & 684' FEL	SESE 20-17S-8E	UT ST ML-48176	Ferron Fed 16-20-17-8	43-015-30110	Lone Mountain
Gas	1011' FNL & 520' FWL	NWNW 36-18S-7E	UT ST ML-28195	Ferron State 4-36-18-7	43-015-30253	Buzzard Bench
Gas	502' FSL & 845' FWL	NWNW 1-19S-7E	UTU-18134	Orangeville U 4-1-19-7	43-015-30221	Buzzard Bench
Oil	775' FSL & 507' FEL	SESE 6-18S-8E	UT ST ML-48265	Orangeville Fed 16-6-18-8	43-015-30108	Lone Mountain
Gas	1236' FSL & 1595' FWL	SESW 3-19S-7E	U-18897-A	Buzzard Bench Fed 3-24-19-7	43-015-30229	Buzzard Bench
Gas	2264' FNL & 1965' FWL	SESW 3-19S-7E	U-18897-A	Buzzard Bench Fed 6-3-19-7	43-015-30168	Buzzard Bench
Gas	572' FNL & 795' FEL	NENE 11-19S-7E	U-18134	Orangeville U 1-11-19-7	43-015-30222	Buzzard Bench
Gas	1992; FSL & 2073' FEL	NWSE 2-19S-7E	UT ST ML-28199	Orangeville 10-2-19-7	43-015-30179	Buzzard Bench

7. Federal and Indian Units:

The BLM or BIA has approved the successor of unit operator for wells listed on: 06/18/2002

8. Federal and Indian Communization Agreements ("CA"):

The BLM or BIA has approved the operator for all wells listed within a CA on: N/A

9. Underground Injection Control ("UIC")

The Division has approved UIC Form 5, **Transfer of Authority to Inject,**

for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

1. Changes entered in the Oil and Gas Database on: 06/24/2002
2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 06/24/2002
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number: N/A

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: NM0883

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: N/A

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number N/A
2. The **FORMER** operator has requested a release of liability from their bond on: N/A
The Division sent response by letter on: N/A

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

COMMENTS:



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

IN REPLY REFER TO
UT-922

June 18, 2002

Merrion Oil & Gas Corporation
610 Reilly Avenue
Farmington, New Mexico 87401

Re: Buzzard Bench Unit
Emery County, Utah

Gentlemen:

On June 10, 2002, we received an indenture dated April 15, 2002, whereby Shenandoah Energy Inc. resigned as Unit Operator and Merrion Oil & Gas Corporation was designated as Successor Unit Operator for the Buzzard Bench Unit, Emery County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective June 18, 2002. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Buzzard Bench Unit Agreement.

Your statewide (New Mexico) oil and gas bond No. 0883 will be used to cover all operations within the Buzzard Bench Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure

bcc: Field Manager - Moab (w/enclosure)
Division of Oil, Gas & Mining
Minerals Adjudication Group U-942
File - Buzzard Bench Unit (w/enclosure)
Agr. Sec. Chron
Fluid Chron

UT922:TAThompson:tt:6/18/02

Results of query for MMS Account Number 8910204190

Production	API Number	Operator	Well Name	Well Status	Lease or CA Number	Inspection Item	Township	Range	Section	Quarter
Production	4301530168	SHENANDOAH ENERGY INCORPORATED	6-3 BUZZARD BENCH FE	PGW	UTU18897A	8910204190	19S	7E	3	SESW
Production	4301530229	SHENANDOAH ENERGY INCORPORATED	3-24 BUZZARD BENCH-F	PGW	UTU18897A	8910204190	19S	7E	3	SESW

DISCLAIMER for online data: No warranty is made by the BLM for use of the data for purposes not intended by the BLM.

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING

CDW

X - Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

9/1/2010

FROM: (Old Operator): N0630-Merrion Oil & Gas Corp 610 Reilly Ave Farmington, NM 87401 Phone: 1 (505) 534-5300	TO: (New Operator): N2170-Coastal Plains Energy, Inc. 420 Throckmorton, Suite 630 Fort Worth, TX 76102 Phone: 1 (817) 882-9055
---	--

CA No.

Unit:

BUZZARD BENCH

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
BUZZARD BENCH FED 6-3	03	190S	070E	4301530168	10684	Federal	GW	P
BUZZARD BENCH FED 3-24	03	190S	070E	4301530229	10670	Federal	GW	P
HUMPY #1	03	190S	070E	4301530348	15674	Federal	GW	P

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/16/2010
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/20/2010
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 12/29/2010
- 4a. Is the new operator registered in the State of Utah: _____ Business Number: 5104445-0143
- 5a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
- 5b. Inspections of LA PA state/fee well sites complete on: not yet
- 5c. Reports current for Production/Disposition & Sundries on: OK
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM not yet BIA n/a
- Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: not yet
- Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: _____
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: _____

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 12/30/2010
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 12/30/2010
- Bond information entered in RBDMS on: 12/30/2010
- Fee/State wells attached to bond in RBDMS on: 12/30/2010
- Injection Projects to new operator in RBDMS on: n/a
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: UTB000213
- Indian well(s) covered by Bond Number: _____
- 3a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number CTCS267895;
- 3b. The **FORMER** operator has requested a release of liability from their bond on: not yet

COMMENTS:

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

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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 GAS WELL OTHER _____

2 NAME OF OPERATOR: Coastal Plains Energy, Inc. N3170

3 ADDRESS OF OPERATOR: 420 Throckmorton Fort Worth STATE Tx ZIP 76102 PHONE NUMBER 817 882-9055

4 LOCATION OF WELL: FOOTAGES AT SURFACE: _____ COUNTY: Emery

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____ STATE: UTAH

5. LEASE DESIGNATION AND SERIAL NUMBER: See attached well list

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: _____

7. UNIT or CA AGREEMENT NAME: _____

8. WELL NAME and NUMBER: See attached well list

9. API NUMBER: _____

10. FIELD AND POOL, OR WILDCAT: See attached well list

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 checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<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.

See attached list

BLM Bond No UT6000213

STATE BLANKET BOND CTCS 267895
INDIVIDUAL BONDS FUZZBALL 1 TFTS 899537
FERRON ST 4-36-18-7 TFTS 899542
ORANGVILLE U 10-2 TFTS 899545

NAME (PLEASE PRINT) William R Biggs TITLE President

SIGNATURE William R Biggs DATE 9-14-10

(This space for State use only)

APPROVED 12/30/2010
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

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.

		5. LEASE DESIGNATION AND SERIAL NUMBER:
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		8. WELL NAME and NUMBER: See Attached
2. NAME OF OPERATOR: Merrion Oil & Gas Corporation		9. API NUMBER: 43-015-
3. ADDRESS OF OPERATOR: 610 Reilly Ave CITY Farmington STATE NM ZIP 87401		10. FIELD AND POOL, OR WILDCAT: Buzzard Bench
4. LOCATION OF WELL FOOTAGES AT SURFACE: _____ COUNTY: Emery		STATE: UTAH
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____		

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"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<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 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 checked="" type="checkbox"/> OTHER: <u>Change of Operator</u>
	<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.

Merrion Oil & Gas Corporation has sold the attached list of wells to Coastal Plains effective 9/1/2010

NAME (PLEASE PRINT) Philana Thompson	TITLE Regulatory Compliance Specialist
SIGNATURE	DATE 8/24/2010

(This space for State use only)

APPROVED 12/30/2010
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

(See Instructions on Reverse Side)

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N2170

LIST OF UTAH PROPERTIES SOLD TO COASTAL PLAINS ENERGY, INC EFFECTIVE JULY 1, 2010

WELL NAME	QTR/QTR	SECTION	TWNSHP	RANGE	API NO.	LEASE NO.	COUNTY
BUZZARD BENCH 3-24	SESW	SEC 3	19S	7E	43-015-30229	U-18897-A	EMERY
BUZZARD BENCH 6-3	SENW	SEC 3	19S	7E	43-015-30168	U-18897-A	EMERY
CAHILL 1R	SWNW	SEC 15	19S	7E	43-015-30627	U-69403	EMERY
CROWSFOOT 1R	SENE	SEC 9	19S	7E	43-015-30613	U-69403	EMERY
FERRON FEDERAL 16-9	SESE	SEC 9	19S	7E	43-015-30256	U-69403	EMERY
FERRON FEDERAL 16-20	SESE	SEC 20	17S	8E	43-015-30110	ML-48176	EMERY
FERRON FEDERAL 7-12	SWNE	SEC 12	19S	7E	43-015- ³⁰²⁵⁷ 30254	U-18134	EMERY
FERRON STATE 4-36	NWNW	SEC 36	18S	7E	43-015-30253	ML-28195	EMERY
FUZZBALL 1	SWNW	SEC 2	19S	7E	43-015-30557	ML-28199	EMERY
HUMPY 1	SWNE	SEC 3	19S	7E	43-015-30348	U-51015	EMERY
KLINKHAMMER 1	NENW	SEC 34	18S	7E	43-015-30610	U-72356	EMERY
ORANGEVILLE 1-11	NENE	SEC 11	19S	7E	43-015-30222	U-18134	EMERY
ORANGEVILLE 16-6	SESE	SEC 6	18S	8E	43-015-30108	ML-48777 ✓	EMERY
ORANGEVILLE 4-1	NWNW	SEC 1	19S	7E	43-015-30221	U-18134	EMERY
ORANVEVILLE 10-2	NWSE	SEC 2	19S	7E	43-015-30179	^{ML 28199} U-18134	EMERY
SPARKLE DUN 1	NENE	SEC 16	19S	7E	43-015-30615	ML-49168	EMERY

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Plugged
8/23/2007

PUMP AND DEHYDRATOR



August 24,2010

Utah Division of Oil, Gas and Mining
1594 West North Temple Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Ladies & Gentlemen:

Effective date July 1,2010 Merrion Oil & Gas Corp. sold all of its interest in the Buzzard Bench Field. The New operator and owner: Coastal Plains Energy,Inc. 420 Throckmorton, Suite 630 Fort Worth, Texas 76102. Merrion Oil & Gas will no longer be reporting production and revenue for these wells. Also Severance Tax reports and Conservation reports will not be filed after the effective date of sale.

A List of the wells has been included with a Form 9.

Respectfully,
Merrion Oil & Gas Corp.

A handwritten signature in cursive script, appearing to read "Wayne", is written in black ink.

Wayne O'berg
Staff Accountant

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AUG 30 2010
DIV. OF OIL, GAS & MINING