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LAWRENCE BARKER JR.

13 Point Surface Use Plan

for

Well Location

#17 South Douglas Creek Government

Section 12, T4S, R102W, 6th P.M.

Rio Blanco County, Colorado

77 429

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Sec. 12, T4S, R102W, 6th P.M.  
#17 South Douglas Creek Government

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1. EXISTING ROADS

See attached Topographic Map "A" - to reach the Lawrence Barker Jr. well location, #17 South Douglas Creek Government, located in Section 12, T4S, R102W, 6th P.M. from Rangely, Colorado.

Proceed east out of Rangely, Colorado along Colorado State Highway 64 to the junction of this highway and the Douglas Pass Highway; proceed south along the Douglas Pass Highway 28 miles to the intersection of this highway and the point that the planned access road begins, and is discussed further in Item #2.

At the present time there is no major construction anticipated along any portion of this road. It will facilitate the orderly flow of traffic required in the drilling and production of the proposed well.

2. PLANNED ACCESS ROAD

See Topographic Map "B".

There will have to be 200 feet of new access road built to reach the proposed well location site in the NW 1/4 NW 1/4 Section 12, T4S, R102W, 6th P.M. from the existing road discussed in Item 1.

This proposed access road will be an 18' crown road (9' either side of the centerline) with drain ditches along either side of the proposed road where it is determined necessary in order to handle any run-off from any normal meteorological conditions that are prevalent to this area.

The grade of this road will vary from flat to 8%, but will not exceed this amount. The road will be constructed from native borrow accumulated during construction.

The terrain that is traversed by this road is in the bottom of a canyon which is quite narrow and is a tributary to Douglas Creek to the east and is vegetated with sagebrush, rabbit brush, and grasses.

3. LOCATION OF EXISTING WELLS

As shown on Topographic Map "B", there are no other wells within a one-mile radius of the proposed well site. (See location plat for placement of Lawrence Barker Jr. well location within the section.)

4. LOCATION OF TANK BATTERIES, PRODUCTION FACILITIES, AND PRODUCTION GATHERING AND SERVICE LINES

All petroleum production facilities are to be contained within the proposed location site. There are no other Lawrence Barker Jr. flow, gathering, injection, or disposal lines within a one-mile radius of this location.

In the event production is established, plans for a gas flow line from this location to existing gathering lines or a main production line shall be submitted to the appropriate agencies for approval.

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5. LOCATION AND TYPE OF WATER SUPPLY

Water used to drill this well is to be hauled from Rangely Municipal Water Supply, Rangely, Colorado approximately 28 road miles to the north of the location site.

6. SOURCE OF CONSTRUCTION MATERIALS

All construction materials for this location site and access road shall be borrow materials 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.

7. METHODS FOR HANDLING WASTE DISPOSAL

All garbage and trash that can be burned, shall be burned. All unburnable garbage and trash accumulated during development of this well shall be contained in the trash pit shown on the attached Location Layout Sheet.

When drilling activities have been completed, the rig moved off the location, and production facilities set up, all garbage and trash on the location site shall be cleaned up, deposited in the trash pit, and covered with a minimum 4' of cover.

All production waste such as cuttings, salts, chemicals, overflows of condensate, water, and drilling fluids shall be contained in the west cell of the reserve pit and upon completion of drilling activities, buried with a minimum of four feet of cover.

A portable chemical toilet will be supplied for human waste. (See end paragraph in Item No. 10.)

8. ANCILLARY FACILITIES

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

9. WELL SITE LAYOUT

See attached Location Layout Sheet. The Bureau of Land Management District Manager or other appropriate agencies shall be notified before any construction begins on the proposed location site. When drilling activities commence, all work shall proceed in a neat and orderly sequence.

10. PLANS FOR RESTORATION OF SURFACE

As there is some topsoil on the location site, all topsoil shall be stripped and stockpiled. (See Location Layout Sheet and Item No.9). When all drilling and production activities have been completed, the location site and access road will be reshaped as near as possible to the original contour and stockpiled topsoil spread over the disturbed area.

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10. PLANS FOR RESTORATION OF SURFACE

Any drainages re-routed during the 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 trash pit shall be buried with a minimum of 4' of cover. The reserve pit will be completely fenced and allowed to drain before covering. Restoration activities shall begin within 90 days after completion of the well. Once completion activities have begun, they shall be completed within 30 days.

When restoration activities have been completed, the location site and access ramp shall be reseeded with a seed mixture recommended by the B.L.M. District Manager when the moisture content of the soil is adequate for germination. The Lessee further covenants and agrees that all of said cleanup and restoration activities shall be done and performed in a diligent and most workmanlike manner and in strict conformity with the above mentioned Items No. 7 and 10.

11. OTHER INFORMATION

Topography of the General Area (See Topo. Map "A".)

The topography of the general area slopes from the rim of the Book Cliff Mountains to the south to the White River to the north, being a part of what is known as the Roan Plateau. The area is interlaced with numerous canyons and ridges which are extremely steep, with numerous ledges formed in sandstones, conglomerates, and shale deposits.

Soils in this semi-arid area of the Green River formation (Middle Eocene) and the Wasatch formation (Lower Eocene) and the Williams Fork formation (Upper Cretaceous) consists of light brownish-gray clays (OL) to sandy soils (SM-ML) with poorly graded gravels.

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

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

The majority of the numerous washes and streams in the area are of a non-perennial nature flowing during the early spring run-off and extremely heavy rain storms of long duration which are extremely rare as the normal annual rainfall in the area is only 8".

Douglas creek is the major drainage that this location affects and is a perennial stream.

Due to the low precipitation average, climate conditions and the marginal types of soils, the vegetation that is found in the area is common of the semi-arid region we are located in and in the lower elevations, it consists of juniper and pinion forests as the primary flora with areas of sagebrush, rabbit brush, bitter brush, some grasses, and cacti.

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11. OTHER INFORMATION (continued)

The fauna of the area consists predominately of the mule deer, coyotes, rabbits, and varieties of small ground squirrels and other types of rodents. The area is used by man for the primary purpose of grazing domestic sheet and cattle.

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

The Topography of the Immediate Area (Topo. Map "B")

#17 South Douglas Creek Government lies in the bottom of a small drainage that extends from a high ridge to the west of the location that separates West Creek to the west and Douglas Creek to the east.

The terrain slopes rather gently to the west through the location site and then rises steeply to the summit of the ridge that separates the two above named drainage areas, that extends from the summit of the Book Cliff Mountains to the south the their point of intersection approximately 1.25 miles north of the location.

The majority of all the drainages in the immediate area flow in a northerly direction and are tributaries to the Douglas Creek.

The terrain in the immediate vicinity of the location slopes to the north-east and slopes through the location site at approximately a 7% grade.

The vegetation in the immediate area surrounding the location site is predominately sagebrush and grasses.

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

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

12. LESSEE'S OR OPERATOR'S REPRESENTATIVE

A.J. Carter  
2622 San Mateo N.E.  
Suite No. 26  
Albuquerque, New Mexico 87110

Tel: 1-505-883-8933

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 operations proposed herein will be performed by Lawrence Barker Jr. and its contractors and sub-contractors in conformity with this plan and

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13. CERTIFICATION (Continued)

conditions with this plan and the terms and conditions under which it is approved.

\_\_\_\_\_  
DATE

\_\_\_\_\_  
A. J. Carter

\_\_\_\_\_  
TITLE