

ONSHORE ORDER NO. 1
Quintana Petroleum Corp.
Jeep Trail Federal 1-32
1370' FNL and 870' FWL
Section 32, T11N - R90W
Moffat Co., Colorado

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APR 15 1986

COLORADO OIL & GAS CONS. COMMISSION



SURFACE USE PLAN

ONSHORE OIL & GAS ORDER NO. 1

Thirteen Point Surface Use Plan

1. Existing Roads

- a. The proposed well site is located 14 miles south of Baggs, Wyoming.
- b. Directions to the location from Baggs, Wyoming are as follows:

Go southerly on State Highway 13 for 13.0 miles. Turn east onto County Road #101 and proceed east and north for 1.4 miles. Turn east onto existing jeep trail and proceed east and north for 1.1 miles to a fork in the trail. Turn left (north) and proceed 1.1 miles to the location.
- c. For location of access roads within a 2-Mile radius, see Map #1.
- d. Improvement to the existing access will be necessary. The maximum total disturbed width will be 35 feet.
- e. All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.
- f. Existing Roads and newly constructed roads on surface under the jurisdiction of any Surface Managing Agency shall be maintained in accordance with the standards of the SMA.

2. Planned Access Roads

- a. The maximum total disturbed width will be 35 feet. Roads on lands managed by the BLM will be crowned and ditched during drilling. The road will have a running surface of approximately 18 feet. Roads crossing the State section will be flatbladed.
- b. The maximum grade will be 7%.

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2. Planned Access Roads (cont.)

- c. No turnouts are planned.
- d. The access road was not centerline flagged at the time of staking because the access is an existing jeep trail.
- e. Drainage will be installed as deemed necessary by the dirt contractor.
- f. No cattleguards will be necessary at this time.
- g. 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.
- i. Surfacing material may be necessary depending on weather conditions.
- j. The maximum cut on location is 13.0 feet. The maximum fill is 7.0 feet.

3. Location of Existing Wells Within a 1-Mile Radius of the Proposed Location. (See Map #2).

- a. Water Wells -none
- b. Injection or disposal wells -none
- c. Producing Wells - none
- d. Drilling Wells - none

4. Location of Tank Batteries and Production Facilities.

- a. All permanent structures (onsite for six months or longer) constructed or installed (including oil well pump jacks) will be painted a non-reflective earthtone color to reduce visual impacts. All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded.

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4. Production Facilities (cont.)

- b. If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain at least 110% of the storage capacity of the battery. (1-1/2 times capacity is recommended.)
- c. If commercial production is established, a Sundry Notice with a production facility layout will be submitted.
- d. All loading lines will be placed inside the berm surrounding the tank battery.
- e. Any necessary pits will be properly fenced to prevent any wildlife entry. The production pit will be flagged overhead.
- f. All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.
- g. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the District Manager.
- h. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed.
- i. Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.
- j. The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and if proven accurate, quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Craig District Office, BLM. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard ~~for natural gas~~ measurement.

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4. Production Facilities (cont.)

- k. All access roads will be upgraded and maintained as necessary to prevent erosion and accommodate year-round traffic.

5. Location and Type of Water Supply

- a. All water needed for drilling purposes will be obtained from Four Mile Creek located in the NENW of Section 1, T10N - R91W. Permission for the use of this water was obtained from Willey Georgiou. The water source is shown on Map #1.
- b. Water will be trucked to location over the roads marked on Map #1.
- c. No water well is to be drilled on this lease.

6. Source of Construction Material

- a. Surface and subsoil materials in the immediate area will be utilized.
- b. Road surfacing and pad construction material will be obtained from a commercial source.
- c. The use of materials under BLM jurisdiction will conform with 43 CFR 3610.2.3. Construction material will not be located on lease.
- d. No construction materials will be removed from Federal land.

7. Methods of Handling Waste Disposal

- a. The reserve pit will be lined with plastic to prevent seepage. At least half of the capacity will be in cut.
- b. A trash cage will be used to contain trash and its contents removed at the end of drilling operations and hauled to an approved disposal sight. The road and pad will be kept litter free.

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7. Methods for Handling Waste Disposal (cont.)

- c. Produced waste water will be confined to a unlined pit for a period not to exceed 90 days after initial production. During the 90-day period, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted for the District Manager's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance, and will be grounds for issuing a shut-in order.
- d. Drill cuttings are to be contained and buried in the reserve pit.
- e. Any salts and/or chemicals which are an integral part of the drilling system will be disposed of in the same manner as the drilling fluid.
- f. If a chemical porta-toilet is not furnished with the drilling rig, a sewage borehole will be used and its contents covered with a minimum of 6 feet of fill. If sewage holes are used, they will be covered and treated with lime.
- g. The produced fluids will be produced into a test tank until such time as construction of production facilities is completed. Any spills of oil, gas salt water or other produced fluids will be cleaned up and removed.

8. Ancillary Facilities

- a. There are no airstrips, camps, or other facilities planned during the drilling of the proposed well.

9. Well Site Layout

- a. See Diagram #1 for rig layout. See Diagram #2 for cross section of drill pad. See Diagram #3 for cuts and fills.
- b. The location of mud tanks; reserve pit, trash cage; pipe racks; living facilities and soil stockpiles will be shown on Diagrams #1 and #3.

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9. Wellsite Layout (cont.)

- c. During construction, all topsoil (approximately eight to 12 inches) will be removed from the pad and any new access road and stockpiled separately in order to simplify replacement of topsoil on the recontoured pad and new access road during the reclamation process.
- d. Three sides of the reserve pit will be fenced with sheep-tight woven wire with at least two strands of barbed wire above. before drilling starts. The fourth side will be fenced as soon as the drilling is completed. The fence will be kept in good repair while the pit is drying.

10. Reclamation

- a. Immediately upon completion of drilling, all trash and debris will be collected from the location and surrounding area. All trash and debris will be disposed of in the trash cage and will then be hauled to an approved landfill.
- b. Before any dirt work to restore the location takes place, the reserve pit must be completely dry.
- c. All disturbed areas will be recontoured to blend as nearly as possible with the natural topography to the satisfaction of the authorized officer.. This includes removing all berms and refilling all cuts.
- d. The stockpiled topsoil will be spread evenly over the disturbed area.
- e. The reserve pit and that portion of the location and access road not needed for production and production facilities will be reclaimed as described in the reclamation section. Enough topsoil will be kept to reclaim the remainder of the location at a future date. This remaining stockpile of topsoil will be seeded in place using the prescribed seed mixture.
- f. Waste materials will be disposed of as stated in #7 of this Surface Use Plan.

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COLORADO GEOLOGICAL SURVEY

SURFACE USE PLAN

10. Reclamation of Surface (cont.)

g. Seed mixture will be as follows:

<u>Species</u>	<u>Lbs. Pure Live Seed</u>
Smooth Brome	3
Cicer Milkvetch	1
Western Wheatgrass	4
Pubescent Wheatgrass	4

11. a. Surface Ownership

Wellpad and partial access road - Bureau of Land Management
Remainder of the access road is maintained by the county or is
on state lands.

b. Mineral Ownership

Federal

12. Other Information

- a. There will be no change from the proposed drilling and/or workover program without prior approval from the District Manager. Safe drilling and operating practices must be used. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.2.
- b. "Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3164.
- c. The dirt contractor will be provided with an approved copy of the surface use plan and will keep a copy on-site during the construction and reclamation operations.

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12. Other Information (cont.)

- d. If subsurface cultural materials are exposed during construction, work in that spot will stop immediately and the Little Snake Resource Area Office will be contacted. All people who are in the area will be informed by the operator that they are subject to prosecution for disturbing archeological sites or picking up artifacts. Salvage or excavation of identified archeological sites will be done by a BIM approved archeologist only if damage occurs.
- e. This permit will be valid for a period of one year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.
- f. A Class III survey was conducted by LaPlata Archeological Consultants. No significant cultural resources were found and clearance is recommended. A copy of this report will be submitted directly by LaPlata Archeological Consultants.
- h. Jay Dodt or Ole Oleson of the Bureau of Land Management in Craig, Colorado (303/824-4441) will be notified at least 48 hours before the commencement of both the construction and reclamation operations.

13. Lessee's or Operator's Representative and Certification

Permit Matters

PERMITCO INC.
Lisa L. Green
P.O. Box 44065
Denver, CO 80201-4065
303/322-7878

Drilling & Completion Matters

QUINTANA PETROLEUM CORP.
1050-11th Street
Suite 400
Denver, CO 80265
John Wessels - 303/628-9211 (W)
Jim Turner - 303/674-7349 (H)

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13. Lessee's or Operator's Certification

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 Quintana Petroleum Corp. and its contractors and subcontractors in conformity with the plan and the terms and conditions under which it is approved.

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

4/12/86
Date: _____



Lisa L. Green - PERMITCO INC.
Authorized Agent for:
QUINTANA PETROLEUM CORP.

Permitco inc.

A Petroleum Permitting Company