

QUINTANA PETROLEUM CORPORATION

1050 SEVENTEENTH STREET
SUITE 400
DENVER, COLORADO 80265
(303) 628-9211

March 30, 1987

Bureau of Land Management
17 South 500 East
Vernal, UT 84078

Re: N. Chapita Federal #1-36
Coyote Wash Unit Federal #1-28
Uintah County, Utah

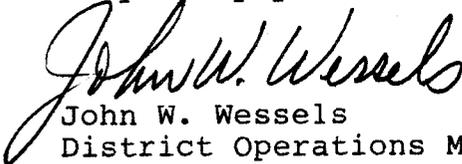
Gentlemen:

This letter is to inform you that Permitco is authorized to act as Agent and to sign documents on behalf of Quintana Petroleum Corporation when necessary for filing county, state and federal permits including Onshore Order No. 1 Right-of-Way applications, etc. for the referenced wells.

It should be understood that Permitco is acting as Agent only in those matters stated above and is not responsible for drilling, completion, production or compliance with regulations.

Quintana Petroleum Corporation agrees to accept full responsibility for operations conducted in order to drill, complete and produce the above-mentioned wells.

Very truly yours,



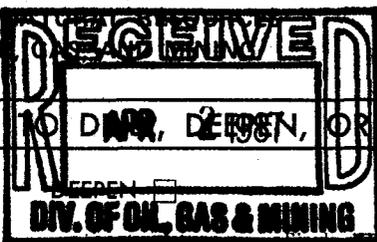
John W. Wessels
District Operations Manager

cc: Permitco - Lisa Green

JWW:jp

STATE OF UTAH
DEPARTMENT OF
DIVISION OF OIL, GAS & MINING

(Other instructions on reverse side)



APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work **DRILL** **PLUG BACK**

b. Type of Well
 Oil Well Gas Well Other Multiple Zone

2. Name of Operator **303/628-9211** **1050-17th Street, Suite 400**
Quintana Petroleum Corp. **Denver, CO 80265**

3. Address of Operator **303/322-7878** **P.O. Box 44065**
Permitco Inc. - Agent **Denver, CO 80201-4065**

4. Location of Well (Report location clearly and in accordance with any State requirements.)*
 At surface **2160' FSL and 1960' FEL**
 At proposed prod. zone **NW SE**

5. Lease Designation and Serial No. **U-56219**

6. If Indian, Allottee or Tribe Name **N/A**

7. Unit Agreement Name **(Pending Coyote Wash Unit Approval)**

8. Farm or Lease Name **Coyote Wash Unit**

9. Well No. **1-28**

10. Field and Pool, or Wildcat **Wildcat**

11. Sec., T., R., M., or Blk. and Survey or Area **Sec. 28, T8S - R24E**

14. Distance in miles and direction from nearest town or post office* **32 miles southeast of Vernal, Utah (5 miles NW of Bonanza)** 12. County or Parish **Uintah** 13. State **Utah**

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. line, if any) **480'** 16. No. of acres in lease **280** 17. No. of acres assigned to this well **40**

18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft. **none** 19. Proposed depth **6300'** 20. Rotary or cable tools **Rotary**

21. Elevations (Show whether DF, RT, GR, etc.) **5228' GR** 22. Approx. date work will start* **April 15, 1987 ****

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
12-1/4"	8-5/8"	24#	250'	175 sx or suffic. to circ to surf.
7-7/8"	5-1/2"	15.5#	6300'	600 sx or suffic. to cover zones of interest.

Quintana Petroleum Corp. proposes to drill a well to 6300' to test the Wasatch, Green River and Mesa Verde formations. If productive, casing will be run and the well completed. If dry, the well will be plugged and abandoned as per BLM and State of Utah requirements.

See Onshore Order No. 1 attached.

Please return approved copies of this application to Permitco Inc. - Agent. All other correspondence should be forwarded directly to Quintana Petroleum Corp. at the address shown above.

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 *Lisa G. Green* Title Consultant for Quintana Petroleum Corp. Date 3/30/87

(This space for Federal or State office use)

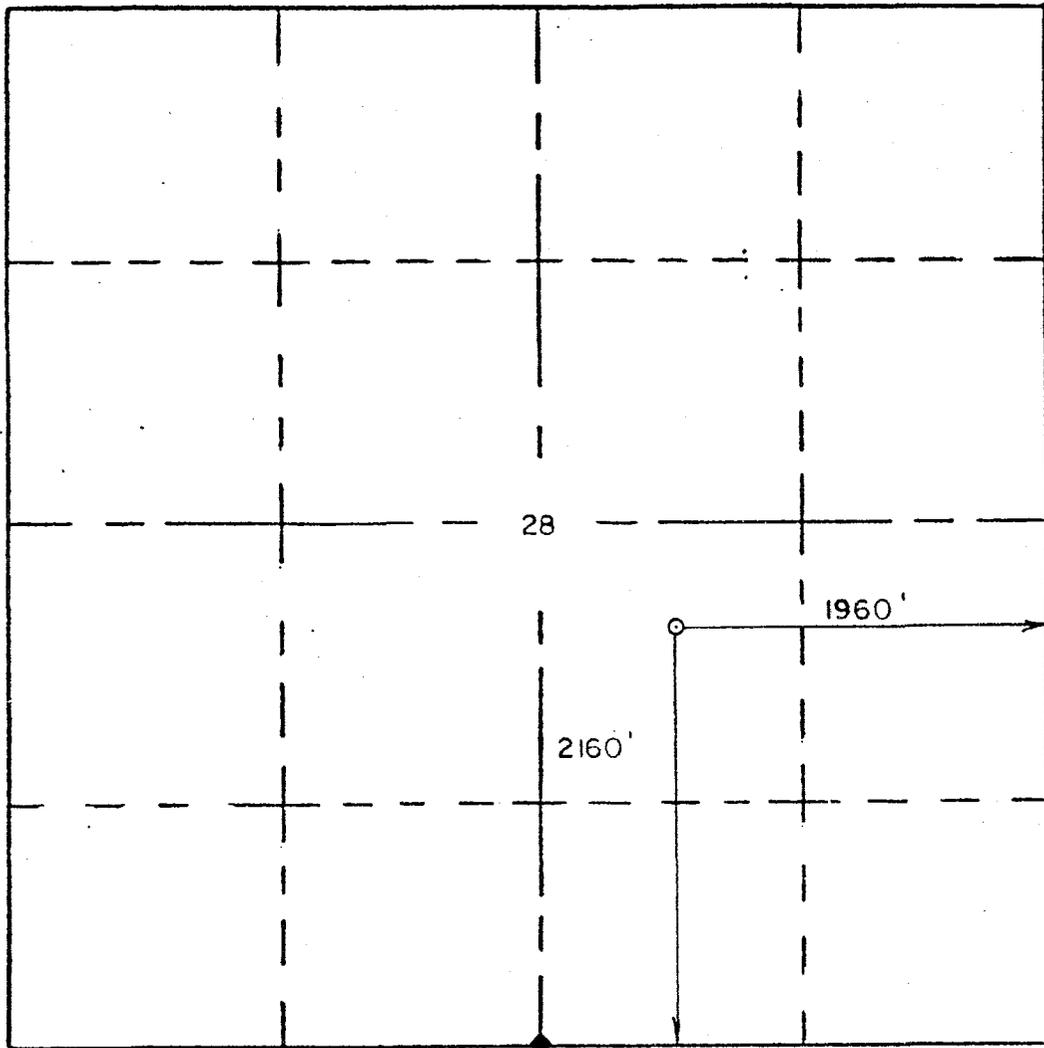
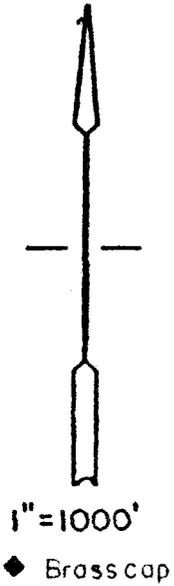
Permit No. 43-047-31794 Approval Date APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING

Approved by _____ Title _____ DATE 4-22-87

BY *John R. Baya*
 WELL SPACING: 302

*See Instructions On Reverse Side

WELL LOCATION PLAT



WELL LOCATION DESCRIPTION:

Quintana Petroleum
 Coyote Wash Unit 1-28
 2160' FSL & 1960' FEL
 Section 28, T.8 S., R. 24 E., SLM
 Uintah County, Utah
 5228' ground elevation
 References: 200' East 5227'
 200' North 5219'

The above plat is true and correct to my knowledge and belief.

03-28-'87

REGISTERED LAND SURVEYOR
 No. 5705
 GERALD G. HUDDLESTON
 Gerald G. Huddleston, LS
 STATE OF UTAH

ONSHORE OIL & GAS ORDER NO. 1;

Approval of Operations on Onshore
Federal and Indian Oil and Gas Leases

COYOTE WASH UNIT #1-28
2160' FSL and 1960' FEL
Sec. 28, T8S - R24E
Uintah County, Utah

Prepared For:

QUINTANA PETROLEUM CORPORATION

By:

PERMITCO INC.
P.O. Box 44065
Denver, Colorado 80201-4065
303/322-7878

Copies Sent To:

- 4 - BLM - Vernal, Utah
- 1 - Utah Division of Oil Gas & Mining - SLC, UT
- 4 - Quintana Petroleum Corp - Denver, CO



Permitco Incorporated
A Petroleum Permitting Company

ONSHORE OIL & GAS ORDER NO. 1
Quintana Petroleum Corporation
Coyote Wash Unit 1-28
2160' FSL and 1960' FEL
Sec. 28, T8S - R24E
Uintah County, Utah

DRILLING PROGRAM

ONSHORE OIL & GAS ORDER NO. 1
Approval of Operations on Onshore
Federal and Indian Oil and Gas Leases

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 No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractor. A copy of these conditions will be furnished to the field representative to ensure compliance.

1. The surface formation and estimated formation tops to be encountered are as follows:

<u>Formation</u>	<u>Depth</u>	<u>Subsea</u>
Uinta	Surface	
Green River "X"	3010'	+2240'
Green River "Z"	3795'	+1455'
Wasatch	4220'	+1030'
Mesa Verde	5800'	-1050'
T.D.	6300'	-1050'

2. a. The estimated depths at which oil, gas, water or other mineral bearing zones are expected to be encountered are as follows:

<u>Substance</u>	<u>Formation</u>	<u>Anticipated Depth</u>
Oil	Green River	3010'
Gas	Wasatch	4220'
Gas	Mesa Verde	5800'

All shows of fresh water and minerals will be reported and adequately protected. If requested a sample will be taken of any water flows and furnished to the BLM in Vernal, Utah for analysis. All oil and gas shows will be tested to determine commercial potential.

- b. Quintana Petroleum Corp. plans to protect all surface fresh water zones by running a sufficient amount of surface casing.



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ONSHORE OIL & GAS ORDER NO. 1
 Quintana Petroleum Corporation
 Coyote Wash Unit 1-28
 2160' FSL and 1960' FEL
 Sec. 28, T8S - R24E
 Uintah County, Utah

DRILLING PROGRAM

3. Quintana Petroleum Corp.'s minimum specifications for pressure control equipment are as follows:

Pressure control equipment will consist of a Double Gate, Series 900, 3000# W.P. (minimum) BOP from 250' to T.D. (See BOP Diagram attached.)

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 preventer controls will be installed prior to drilling the surface shoe and prior to starting workover or completion operations. Preventers will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order. Preventers will be pressure tested to 70% of the internal yield of the casing or to the working pressure before drilling out from below each casing string. All BOP pressure tests must be recorded on the daily drilling report. The choke manifold will be rated and tested to the same pressure as the BOP.

4. a. Casing

The proposed casing program is as follows:

<u>Purpose</u>	<u>Depth</u>	<u>Hole Size</u>	<u>O.D.</u>	<u>Wt.</u>	<u>Grade</u>	<u>Type</u>	<u>New or Used</u>
Surface	0-250'	12-1/4"	8-5/8"	24#	J-55	ST&C	New
Production	0-6300'	7-7/8"	5-1/2"	15.5	J-55	LT&C	New

All casing strings will be tested to 0.2 psi/ft. or 1000 psi, whichever is greater.

- b. Cement

The cementing program will be as follows:

Surface

Type and Amount

175 sx Class "G" w/3% CaCl₂ and 1/4#/sk Flocele added; or sufficient to circulate to surface.



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DRILLING PROGRAM

4. Cement Program (cont.)

<u>Production</u>	<u>Type and Amount</u>
1st Stage:	475 sx Class "G" cement with fluid loss additive;
2nd Stage:	DV Tool at 2450, 125 sx light cement containing 1/4#/sk flocele or sufficient amount to cover zones of interest.

Note: Cement blends and volumes may change upon inspection of open hole logs.

c. Auxiliary Equipment will be as follows:

1. Kelly cock.
2. A full opening safety valve will be on the floor at all times, with cross overs to all drill collars.
3. Necessary solids control equipment.
4. Pit Level Indicator and Flow Show

5. Drilling fluid will be as follows:

<u>Interval</u>	<u>Mud Type</u>	<u>Mud Wt.</u>	<u>Visc.</u>	<u>F/L</u>	<u>PH</u>
0-250'	Spud Mud	8.5-10.0	30-50	N/C	8-9
250-2750'	LSND/KCL	9.0-10.5	30-50	10-N/C	7-9
2750-4700'	LSND/KCL	9.0-10.5	30-50	10-6	7-9

There will be sufficient weighted material on location to control a kick should one occur.

Monitoring of the system will be done visually and as indicated above (4C4).



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Uintah County, Utah

DRILLING PROGRAM

6. Coring, logging and testing programs are as follows:
- a. No conventional cores are anticipated.
 - b. The logging program will consist of a DIL-SFL-GR from 6300' to base of surface casing. A GR/FDC/CNL will be run from 6300' to 1500'. Possible Microlog over zones of interest.
 - c. No DST's are anticipated.

Whether the well is completed as a dry hole or as a producer, "Well Completion or Recompletion Report and Log" (Form 3160-4) will be submitted 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 descriptions, core analysis, well-test data, geologic summaries, sample descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted if requested by the District Manager.

7. Abnormal conditions, bottom hole pressures and potential hazards.
- a. The maximum bottom hole pressure to be expected is 2500 psi.
 - b. Quintana Petroleum Corporation plans to spud the Coyote Wash Unit #1-28 upon approval of this application and prior to May 1st due to a lease expiration within the unit. Quintana Petroleum Corp. intends to complete the well within approximately one month after the well has reached T.D.
8. Other Information
- a. Location construction is planned to commence upon approval of this application.
 - b. It is anticipated the duration of drilling will be 10 days.
 - c. Test the Wasatch through perforations. Fracture and stimulate with + 40,000 gallons gelled water and +80,000# sand.

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DRILLING PROGRAM

- d. The operator will contact the Bureau of Land Management in Vernal, Utah at least 48 hours prior to beginning any dirt work on this location.
- e. 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 AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.
- f. The spud date will be reported orally to the AO Vernal BLM Office within 24 hours after spudding. If the spudding occurs on a weekend or holiday, the report will be submitted on the following regular work day. The oral report will be followed up with a Sundry Notice.
- g. In accordance with NTL-1, this well must be reported on Form 3160.6, "Monthly Report of Operations," starting with the month in which operations commence and continuing each month until the well is physically plugged and abandoned. This report should be filed in duplicate directly with the BLM, Craig District Office.
- h. Immediate Report: Accidental spills, blowouts, fires, leaks, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.
- i. If the well is successfully completed for production, then the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, no later than 5 days following the date on which the well is placed on production. Such notification may be provided orally if confirmed in writing, and must be received in this office not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following information items:
1. Operator Name
 2. Well name, number and location
 3. Date well was placed on production
 4. The lease, or communitized tract, or unit participating area to which the well's production is attributable.



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- j. Pursuant to NTL-2B requirements regarding disposal facilities for new wells, this is authorization for unlined pit disposal of the water produced from this well for a period of 90 days from the date of initial production for sales purposes. During this period, an application for approval for permanent disposal method, along with the required water analysis and other information, must be submitted for the AO's approval. Failure to timely file an application with the time allowed will be considered an incident of non-compliance, and will be grounds for issuing a shut-in order until the application is submitted.
- k. Pursuant to NTL-4A, lessees or operators are authorized to vent/flare gas during initial well evaluation tests, not exceeding a period of 30 days or the production of 50 MMCF of gas, whichever occurs first. An application must be filed with the AO and approval received, for any venting/flaring of gas beyond the initial 30 day or authorized test period.
- l. A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3 and 3162.7-4 shall be submitted to the Vernal BLM Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in 43 CFR 3162.7 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.
- m. No well abandonment operations will begin without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO.

SUBMITTAL OF THE THREE ABANDONMENT SUNDRY NOTICES
(FORM 3160-5) AS PER ONSHORE ORDER NO. 1 WILL BE:

1. Request for Approval to Abandon
 - a. Proposed plugging procedures, or
 - b. Confirmation of verbal plugging procedures (prompt confirmation required)



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DRILLING PROGRAM

12. Other Information (cont.)

2. Subsequent Report of Abandonment
 - a. "Other" category marked - executed plugging procedures (within 30 days following completion of abandonment)
3. Subsequent Report of Abandonment
 - a. "Other" category marked - final abandonment after surface rehabilitation completion.
- n. Subsequent 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 abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate surface managing agency.
- o. Pursuant to Onshore Oil and Gas Order No. 1, lessees and operators have the responsibility to see that their exploration, development production, and construction operations are conducted in a manner which conforms with applicable Federal laws and regulations and with State and local laws and regulations to the extent that such State and local laws are applicable to operations on Federal or Indian lands.
- p. If air drilling, the operator shall control blowie line discharge dust by use of water injection or any other acceptable method. The blowie line discharge shall be a minimum of 100 feet from the well head and be directed into the blowie pit in such a manner as to allow containment of drill bit cuttings and waste in the blowie pit.

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SURFACE USE PLAN

ONSHORE OIL & GAS ORDER NO. 1

Thirteen Point Surface Use Plan

1. Existing Roads

- a. The proposed well site is located 32 miles south of Vernal, Utah.
- b. Directions to the location from Vernal, Utah are as follows:

Go southeasterly on the State Highway that leads to Bonanza, Utah for 32 miles. Turn left off the Highway and proceed approximately 1800 feet to the location.
- c. For location of access roads within a 2-Mile radius, see Map #1.
- d. Improvement to the existing access will not be necessary.
- 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. During the drilling and completion stages of this well, the maximum total disturbed width will be 30 feet. The length of the access road will be approximately 1800 feet and will be crowned and ditched with a running surface of 16-18 feet. Appropriate water control will be installed to control erosion.
- b. The estimated grade will be approximately 6%.
- c. No turnouts are planned.



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SURFACE USE PLAN

2. Planned Access Roads (cont.)
- d. The access road was centerline flagged at the time of staking.
 - e. Drainage will be installed as deemed necessary by the dirt contractor. No drainages shall be blocked by loose dirt or debris.
 - f. No culverts will be installed unless commercial production is established. All drainages will be crossed with low water crossings.
 - g. No cattleguards will be necessary.
 - h. 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 3.0 feet. The maximum fill is 2.0 feet.
 - k. Appropriate permits will be filed with the Utah State Highway Department for construction of an access approach off of the highway. An approved copy of this permit will be sent to the BLM in Vernal, Utah for their files.
 - l. Access roads and surface disturbing activities will conform to standards outlined in the USGS Publication (1978) Surface Operating Standards for Oil and Gas Development.
 - m. If the well is productive, the road shall be upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. Upgrading shall include ditching, draining, graveling, crowning, and capping the roadbed as necessary to provide a well constructed safe road. Prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 30 foot right-of-way will not be allowed. Road drainage crossings



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SURFACE USE PLAN

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 1-1/2 times the storage capacity of the battery. The integrity of the dike must be maintained.
- 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, BIM. 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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SURFACE USE PLAN

4. Production Facilities (cont.)

- k. All access roads will be upgraded to Class III standards and maintained as necessary to prevent erosion and accommodate year-round traffic.
- l. The road will be maintained in a safe useable condition.

5. Location and Type of Water Supply

- a. All water needed for drilling purposes will be obtained from the American Gilsonite Plant located in the town of Bonanza.
- b. Water will be trucked or pumped 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 native clay or commercial bentonite to prevent seepage of drilling fluids and/or water.
- 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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SURFACE USE PLAN

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.
- 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. A chemical porta-toilet will be furnished with the drilling rig.
- 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.
- c. During construction, all brush will be removed from the wellpad and access road and stockpiled separately from the topsoil.

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SURFACE USE PLAN

9. Wellsite Layout (cont.)

- d. During construction 6 inches of topsoil will be removed from the cut areas only and stockpiled separately on the northeast side of the location to be used later during the reclamation process.
- e. Access to the wellpad will be from the southwest.
- f. Three sides of the reserve pit will be fenced with wire mesh and topped with at least one strand of barbed wire. 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.
- g. The fence will be constructed as prescribed in the USGS Publication (1978) Surface Operating Standards for Oil and Gas Development. Alternatives to the prescribed standards shall be submitted to the Authorized Officer for approval.

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. During final restoration, the stockpiled topsoil will be uniformly spread over the recontoured disturbed area before reseeding. Stockpiled vegetation shall be scattered over the recontoured area following replacement of topsoil and after reseeding.



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SURFACE USE PLAN

10. Reclamation of Surface (cont.)

- 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.
- g. Prior to reseeding, all disturbed areas, including the access roads, will be scarified and left with a rough surface.
- h. Seed will be broadcast or drilled at the time specified by the BLM. If broadcast, a harrow or some other implement will be dragged over the seeded area to assure seed coverage and the seed mixture will be proportionately larger (double the lbs. per acres).
- i. An appropriate seed mixture will be determined by the BLM at the time the restoration activities are scheduled to begin.
- j. At such time as the well is plugged and abandoned the operator will submit a surface reclamation plan to the Surface Management Agency for prescribed seed mixtures and reseeding requirements.
- k. If the seeding is unsuccessful, the lessee/operator may be required to make subsequent seedings.

11. a. Surface Ownership

Wellpad and partial access road - Bureau of Land Management
Remainder of the access road is maintained by the Utah State
Highway Department.

b. Mineral Ownership

Federal

ONSHORE ORDER NO.
Quintana Petroleum Corp.
Coyote Wash Unit 1-28
2160' FSL and 1960' FEL
Sec. 28, T8S - R24E
Uintah County, Utah

SURFACE USE PLAN

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.
- d. 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.
- e. 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.
- f. If during operations, any archaeological or historical sites, or any object of antiquity (subject to the Antiquities Act of June 8, 1906) are discovered, all operations which would affect such sites are to be suspended and the discovery reported promptly to the Surface Management Agency.
- g. On BLM administered land, it is required that a proposed use of pesticide, herbicide or other possible hazardous chemicals shall be cleared for use prior to application.
- h. The operator or his contractor shall contact the BLM Offices at 801/789-1362 between 24 and 48 hours prior to construction activities.



Permitco Incorporated
A Petroleum Permitting Company

ONSHORE ORDER NO.
Quintana Petroleum Corp.
Coyote Wash Unit 1-28
2160' FSL and 1960' FEL
Sec. 28, T8S - R24E
Uintah County, Utah

SURFACE USE PLAN

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.
1050-17th Street
Suite 400
Denver, CO 80265
John Wessels - 303/628-9211 (W)
Scott Kimbrough - 303/969-9468 (H)

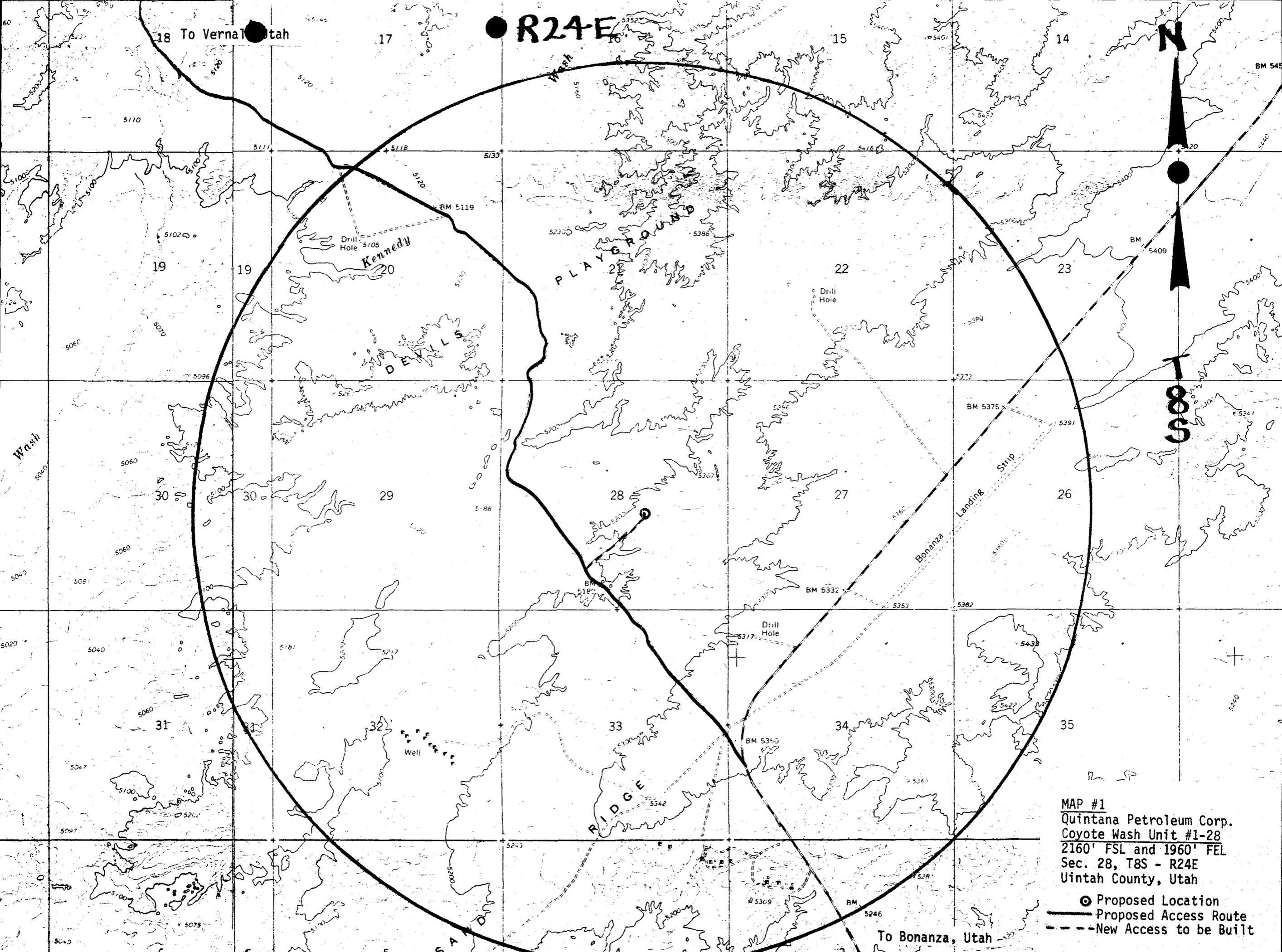
Certification

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.

3/30/87
Date: _____


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



18 To Vernal, Utah

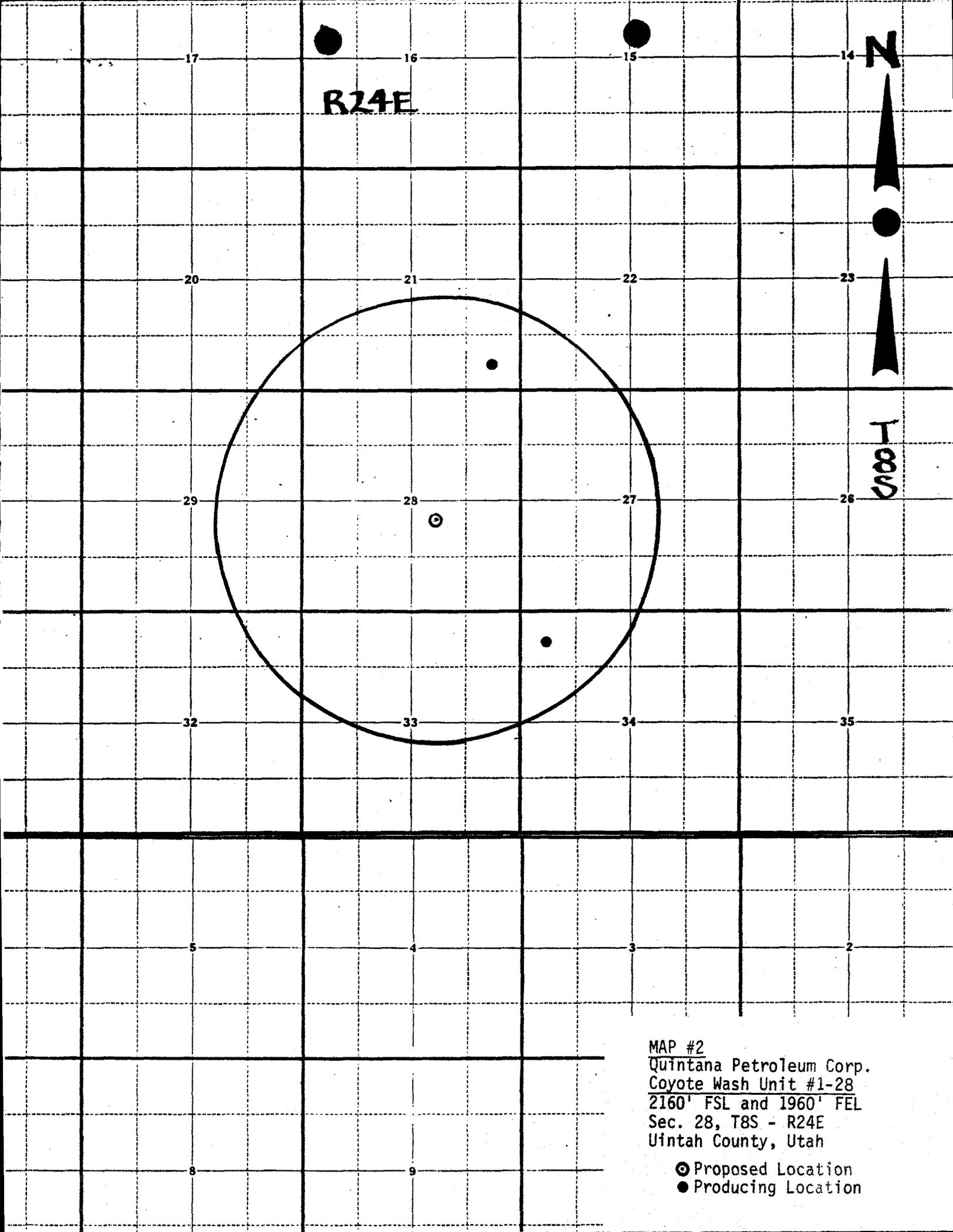
● R24E

N
T8S

MAP #1
Quintana Petroleum Corp.
Coyote Wash Unit #1-28
2160' FSL and 1960' FEL
Sec. 28, T8S - R24E
Uintah County, Utah

- Proposed Location
- Proposed Access Route
- - - New Access to be Built

To Bonanza, Utah



R24E

N

T8S

MAP #2
Quintana Petroleum Corp.
Coyote Wash Unit #1-28
2160' FSL and 1960' FEL
Sec. 28, T8S - R24E
Uintah County, Utah

- ⊙ Proposed Location
- Producing Location

Scale: 1" = 60'

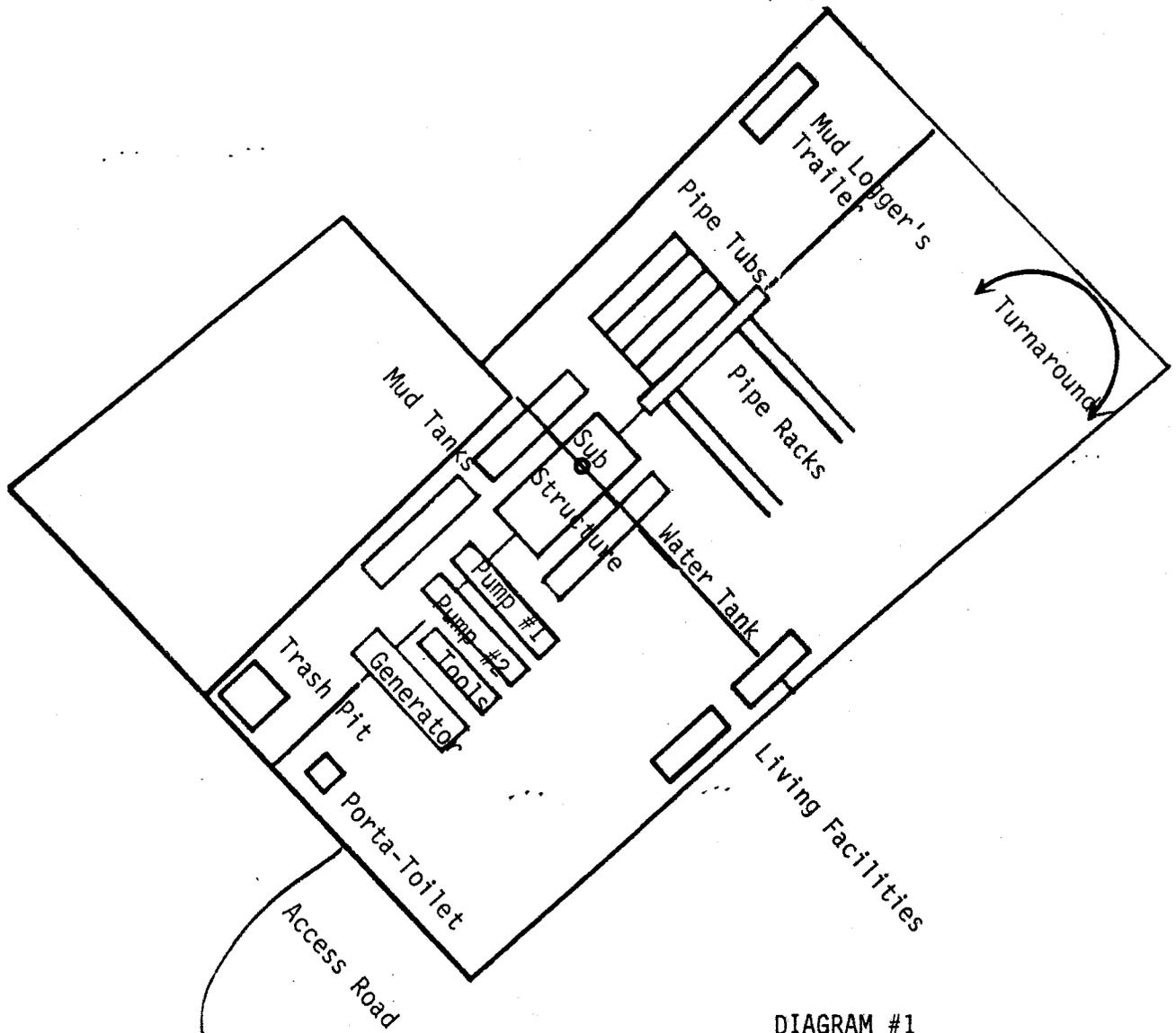


DIAGRAM #1
Rig Layout
Quintana Petroleum Corp.
Coyote Wash Unit #1-28
2160' FSL and 1960' FEL
Sec. 28, T8S - R24E
Uintah County, Utah

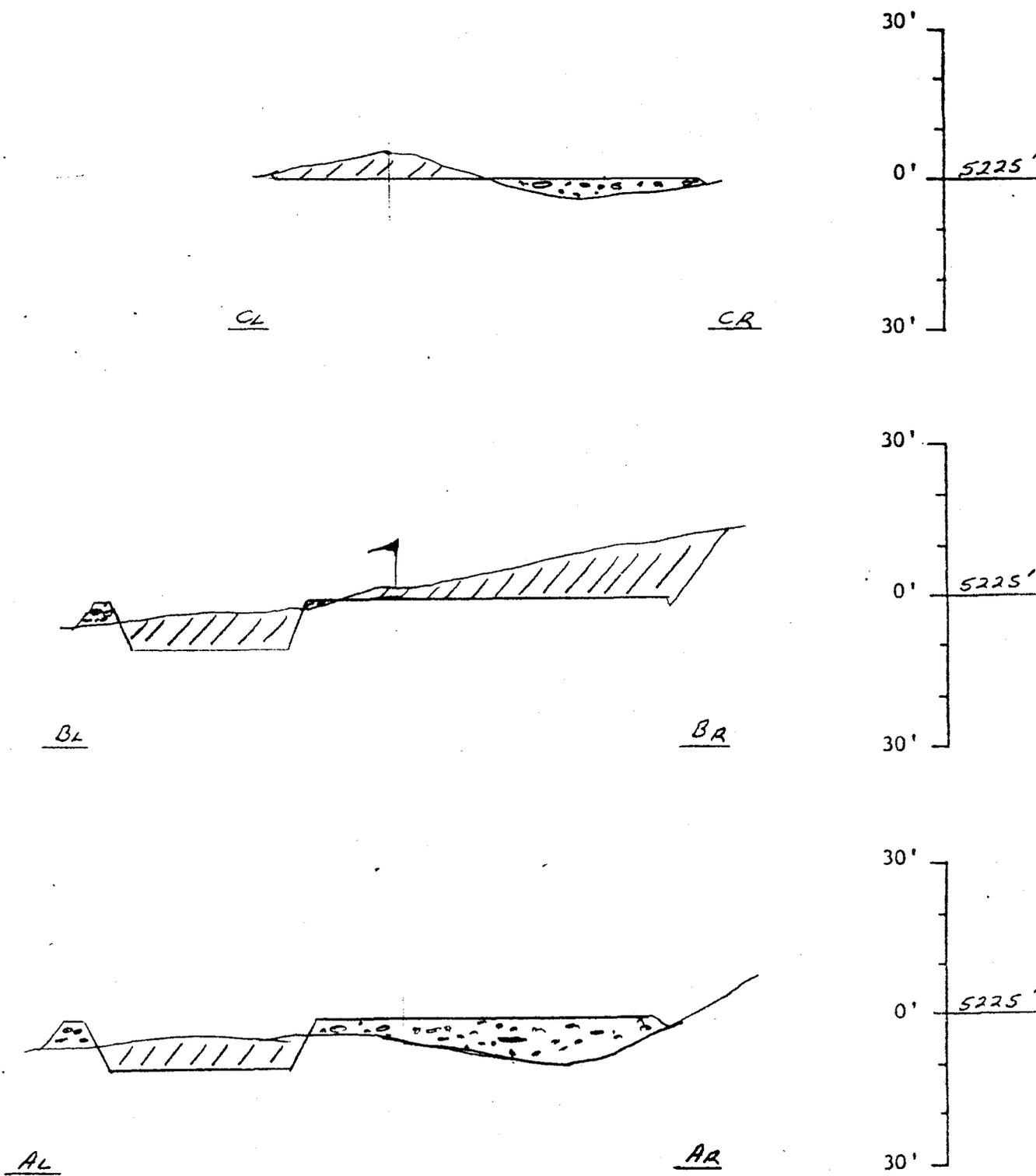
WELL PAD CROSS-SECTION

Coyote Wash Unit 1-28

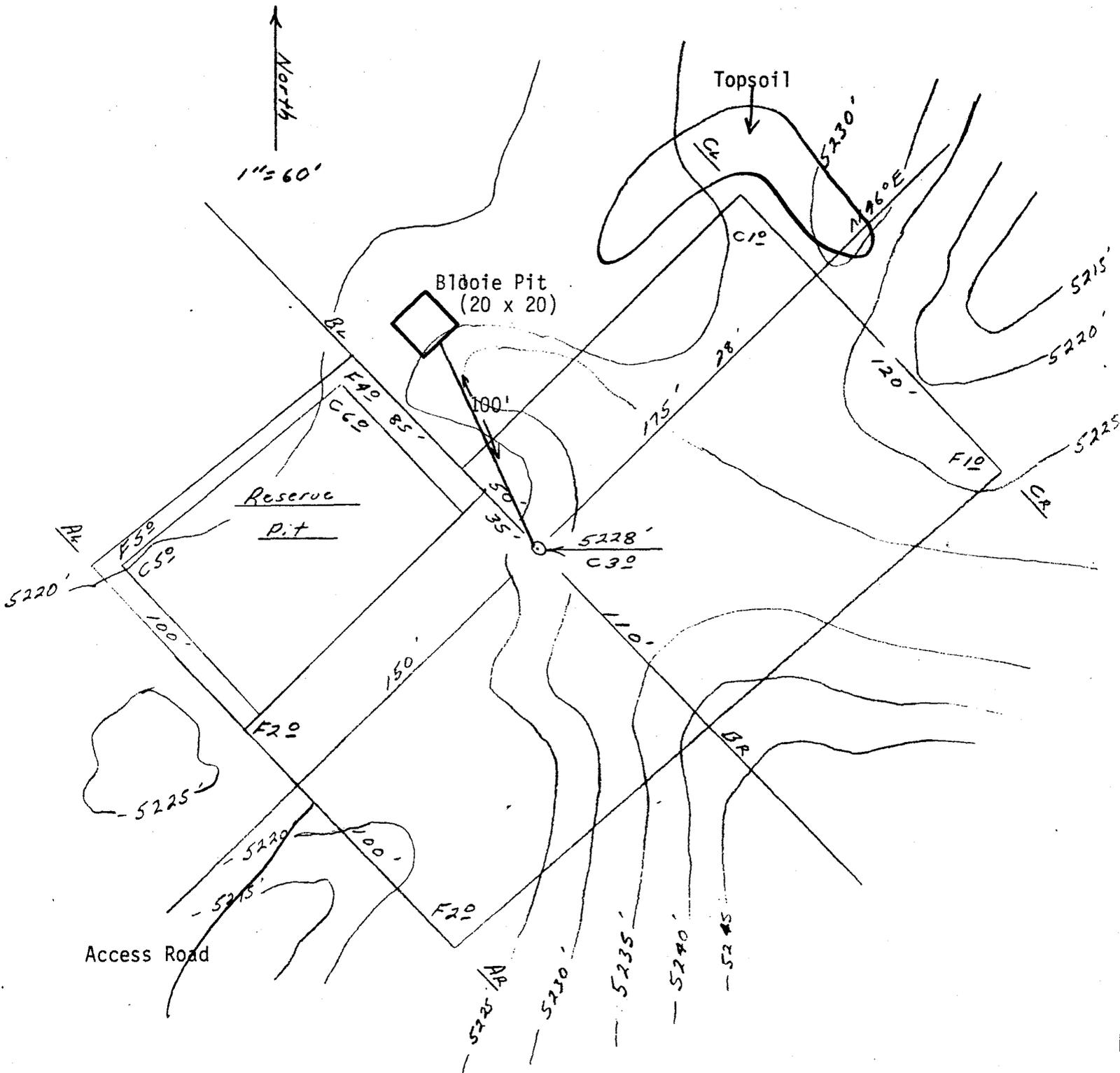
Cut /////
Fill

Scales: 1" = 60' H.
1" = 30' V.

DIAGRAM #2



Pad Planview
Coyote Wash Unit 1-28



042403

031019

OPERATOR Quintana Petroleum Corp DATE 4-3-87

WELL NAME Coyote Wash ~~well~~ #1-28

SEC NWSE 28 T 85 R 24E COUNTY Uterah

43-047-31794
API NUMBER

Fed.
TYPE OF LEASE

CHECK OFF:

PLAT

BOND

NEAREST WELL

LEASE

FIELD

POTASH OR OIL SHALE

PROCESSING COMMENTS:

No other well in Sec. 28 -

Need water permit

APPROVAL LETTER:

SPACING:

203

UNIT

302

CAUSE NO. & DATE

302.1

STIPULATIONS:

1 - Water



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

April 22, 1987

Quintana Petroleum Corporation
P. O. Box 44065
Denver, Colorado

Gentlemen:

Re: Coyote Wash 1-28 - NW SE Sec. 28, T. 8S, R. 24E
2160' FSL, 1960' FEL - Uintah County, Utah

Approval to drill the referenced well is hereby granted in accordance with Rule 302, 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. All well operators are responsible for sending an Entity Action Form to the Division of Oil, Gas and Mining within five working days of the time that a new well is spudded or a change in operations or interests necessitates a change in Entity status.
3. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
4. 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.

Page 2
Quintana Petroleum Corporation
Coyote Wash 1-28
April 22, 1987

5. Compliance with the requirements and regulations of Rule 311.3, Associated Gas Flaring, Oil and Gas Conservation General Rules.
6. 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.
7. 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 43-047-31794.

Sincerely,



R. S. Firth
Associate Director, Oil & Gas

as
Enclosures
cc: Branch of Fluid Minerals
D. R. Nielson
8159T

Form 3160-3
(November 1983)
(formerly 9-331C)

Using Quintana Bond # 174 F 4924

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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 303/628-9211

1050-17th Street, Suite 400
Denver, CO 80265

Quintana Petroleum Corp.

3. ADDRESS OF OPERATOR 303/322-7878

P.O. Box 44065

Permitco Inc. - Agent

Denver, CO 80201-4065

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

2160' FSL and 1960' FEL

At proposed prod. zone

NW SE

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

32 miles southeast of Vernal, Utah (5 miles NW of Bonanza)

10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.

(Also to nearest drig. unit line, if any)

480'

16. NO. OF ACRES IN LEASE

280

17. NO. OF ACRES ASSIGNED TO THIS WELL

40

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

none

19. PROPOSED DEPTH

6300'

20. ROTARY OR CABLE TOOLS

Rotary

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

5228' GR

22. APPROX. DATE WORK WILL START*

April 15, 1987**

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	250'	175 sx or suffic. to circ to surf.
7-7/8"	5-1/2"	15.5#	6300'	600 sx or suffic. to cover zones of interest.

Quintana Petroleum Corp. proposes to drill a well to 6300' to test the Wasatch, Green River and Mesa Verde formations. If productive, casing will be run and the well completed. If dry, the well will be plugged and abandoned as per BLM and State of Utah requirements...

See Onshore Order No. 1 attached.

Please return approved copies of this application to Permitco Inc. - Agent. All other correspondence should be forwarded directly to Quintana Petroleum Corp. at the address shown above.

RECEIVED
APR 27 1987

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 depths. Give blowout preventer program, if any.

SIGNED Dean L. Green TITLE Consultant for Quintana Petroleum Corp. DATE 3/30/87

(This space for Federal or State office use)

PERMIT NO. 43-047-3179A APPROVAL DATE _____

APPROVED BY [Signature] TITLE [Signature] DATE 4-21-87

CONDITIONS OF APPROVAL, IF ANY:

ut 080-7m-45
BLM copy

*See Instructions On Reverse Side

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company Quintana Petroleum Corporation Well No. Coyote Wash 1-28
Location NW/SE Sec. 28 T8S R 24 Lease No. U-56219

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

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 No. 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 the field representative to insure compliance.

A. DRILLING PROGRAM

1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report all water shows and water-bearing sands encountered to Wayne Svejnoha of this office. Copies of State of Utah form OGC-8-X will be acceptable. If noticeable water flows are encountered, submit samples to this office along with any water analyses conducted by the operator.

All fresh water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

2. Pressure Control Equipment

All BOPE and testing procedures 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 preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.

An internal BOP (TIW valve) and its operating wrench shall be maintained on the drill floor (in the open position) at all times.

The District Office shall be notified, with sufficient lead time, in order to have a BLM representative on location during pressure testing.

3. Casing Program and Auxiliary Equipment

An annular bag-type preventer shall be utilized and tested to 1,500 psi prior to drilling out the surface casing shoe.

The District Office shall be notified, with sufficient lead time, in order to have a BLM representative on location while running all casing strings and cementing.

4. Mud Program and Circulating Medium

No chromate additives will be used in the mud system on Federal lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

If 5½" casing is run and cemented, a cement bond log shall be run to determine cement top as well as percentage bond.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted 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 descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the authorized officer (AO).

6. Notifications of Operations

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 AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The spud date will be reported orally to the AO within 48 hours after spudding. If the spudding occurs on a weekend or holiday, the report will be submitted on the following regular work day. The oral report will be followed up with a Sundry Notice.

In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 3160-6 "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report

will be filed, in duplicate, to the Vernal BLM District Office, 170 South 500 East, Vernal, Utah 84078.

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

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 AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

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

Pursuant to NTL-2B, with the approval of a District Engineer, produced water may be temporarily disposed of into unlined pits for a period of up to 90 days. During the period so authorized, an application for approval of the permanent disposal method, along with the required water analysis and other information, must be submitted to the District Engineer.

Pursuant to NTL-4A, lessees or operators are authorized to vent/flare gas during initial well evaluation tests, not exceeding a period of 30 days or the production of 50 MMCF of gas, whichever occurs first. An application must be filed with the District Engineer and approval received, for any venting/flaring of gas beyond the initial 30 day or authorized test period.

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in 43 CFR 3162.7 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

A first production conference will be scheduled within 15 days after receipt of the first production notice.

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within 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 AO or his representative, or the appropriate Surface Managing Agency.

Pursuant to Onshore Oil and Gas Order No. 1, lessees and operators have the responsibility to see that their exploration, development, production, and construction operations are conducted in a manner which conforms with applicable Federal laws and regulations and with State and local laws and regulations to the extent that such State and local laws are applicable to operations on Federal or Indian lands.

7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the AO.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried or anchored down 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.

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 at least 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 Vernal District Office. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or work-over program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"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 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

In the event after-hour approvals are necessary, please contact one of the following individuals:

Craig M. Hansen (801) 247-2318

Assistant District Manager with the Air Standards Division, Hydrofor Minerals, the AGA standard for natural gas measurement.

Gerald E. Kenczka BLM Juris (801) 781-1190 conform to 43 CFR
Petroleum Engineer

R. Allen McKee (801) 781-1368
Petroleum Engineer

Revised October 1, 1985

Date NOS Received 03/23/87

CONDITIONS OF APPROVAL
FOR THE SURFACE USE PROGRAM OF THE
APPLICATION FOR PERMIT TO DRILL

Company/Operator Quintana Petroleum Corporation

Well Name & Number Coyote Wash 1-28

Lease Number U-56219

Location NW ¼ SE ¼ Sec. 28 T. 8 S. R. 24 E.

Surface Ownership Public Lands Administered by the BLM

THIRTEEN POINT SURFACE USE PROGRAM:

Multipoint Requirements to Accompany APD

1. Methods for Handling Waste Disposal

Burning will not be allowed.

The reserve pit shall be constructed so as not to leak, break, or allow discharge.

For the following reasons the reserve pit will be lined:

To conserve water (because of operator's request).

*If a plastic nylon reinforced liner is used it shall be torn and perforated before backfilling of the reserve pit.

To protect the environment (without a chemical analysis).

Produced waste water will be confined to a lined pit or, if deemed necessary, a storage tank for a period not to exceed 90 days after first production. During the 90-day period an application for approval of a permanent disposal method and location, along with required water analysis, will be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance.

2. Plans for Restoration of Surface

Before any dirt work to restore the location takes place, the reserve pit must be completely dry and all cans, barrels, pipe, etc. will be removed. The reserve pit and that portion of the location and access road not needed for production facilities/operations will be reclaimed. The reserve pit will be reclaimed within one year from the date of well completion.

All seeding will be done from September 1 until the ground freezes.

3. Other Additional Information

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

The dirt contractor will be provided with an approved copy of the Surface Use Plan from the APD.

This drilling 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.

Form 3100-3
(November 1983)
(Formerly 9-331)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate
(Other instructions on re-
verse side)

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. LEASE DESIGNATION AND SERIAL NO.
U-49678 *Duly*

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A 042805

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
DEADMAN CANYON FEDERAL

9. WELL NO.
#1-28

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 28, T37S-R24E

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
QUINTANA PETROLEUM CORPORATION (303)628-9211

3. ADDRESS OF OPERATOR
1050 -17th Street, Suite 400, Denver, Colorado 80265

4. LOCATION OF WELL (Report location clearly and in accordance with State requirements.
See also space 17 below.)
At surface
500' FNL & 500' FWL (NW NW)

14. PERMIT NO.
43-037-31306

15. ELEVATIONS (Show whether depth or elevation)
5712' GR

DIVISION OF OIL, GAS & MINING

RECEIVED
APR 27 1987

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 PLANE <input type="checkbox"/>	(Other) <input type="checkbox"/>	(Other) <input type="checkbox"/>

PROGRESS REPORT

(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.)

SUMMARY OF OPERATIONS - As of 4/23/87

1. SPUD well 4/10/87. Drilled to 2041'.
2. Set and cemented 9 5/8" casing.
3. Cored well.
4. Now drilling at 6203'

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

SIGNED *J. Williams* TITLE Production Technician DATE 4/23/87

(This space for Federal or State office use)

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

cc: State of Utah DOGM

*See Instructions on Reverse Side

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

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

API #43-047-31795

NAME OF COMPANY: QUINTANA PETROLEUM CORPORATION

WELL NAME: NORTH CHAPITA FEDERAL 1-36

SECTION SW SW 36 TOWNSHIP 8S RANGE 22E COUNTY Uintah

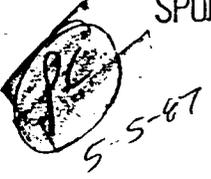
DRILLING CONTRACTOR _____

RIG # _____

SPUDDED: DATE 4-29-87

TIME _____

HOW Dry Hole Spudder


5-5-87

DRILLING WILL COMMENCE 5-1-87 - Olsen - Rig #5

REPORTED BY Ray Caen

TELEPHONE # _____

AS OR SBH
This is not correct.
The N. Chapita Fed 1-36
has NOT been spudded
per telecon w/ Jean Williams
of Quintana. They did spud
the Coyote Wash 1-28
on 4-29-87 (43-047-31794)

^{DTS}
Arlene or Sandy
will fix this

DATE 5-4-87

SIGNED

JRB

& send around
a new one

Record 270 DTS

CORRECTION NOTICE

051901

DIVISION OF OIL, GAS AND MINING

SPODDING INFORMATION

API #43-047-31794

NAME OF COMPANY: QUINTANA PETROLEUM CORPORATION

WELL NAME: COYOTE WASH 1-28

SECTION NW SE 28 TOWNSHIP 8S RANGE 24E COUNTY Uintah

DRILLING CONTRACTOR _____

RIG # _____

SPODDED: DATE 4-29-87

TIME _____

How Dry Hole Spudder

DRILLING WILL COMMENCE 5-1-87 - Olsen, Rig #5

REPORTED BY Ray Caen

TELEPHONE # _____

THIS WAS REPORTED IN ERROR AS THE NORTH CHAPITA FEDERAL 1-36

DATE 5-4-87 SIGNED JRB

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

SUBMIT IN TRIPlicate
(Other instruction on reverse side)

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. U-56219	
2. NAME OF OPERATOR 303/628-9211 1050-17th St., Suite 400 Quintana Petroleum Corp. Denver, CO 80265		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A	
3. ADDRESS OF OPERATOR 303/322-7878 P.O. Box 44065 Permitco Inc. - Agent Denver, CO 80201-4065		7. UNIT AGREEMENT NAME Coyote Wash Unit (Pending)	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2160' FSL and 1960' FEL NW SE		8. FARM OR LEASE NAME Coyote Wash	
14. PERMIT NO.		9. WELL NO. #1-28	
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 5228' GR		10. FIELD AND POOL, OR WILDCAT Wildcat	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 28, T8S - R24E	
		12. COUNTY OR PARISH Uintah	18. STATE Utah

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input checked="" type="checkbox"/>	(Other) _____	

(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 mark all information received to date and all future information as "CONFIDENTIAL".

Thank you for your cooperation.

RECEIVED
MAY 06 1987

DIVISION OF
OIL, GAS & MINING

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

SIGNED *Sam G. Green* TITLE Consultant for Quintana Petroleum Corp. DATE 5/1/87

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

cc: Division of Oil, Gas & Mining
State of Utah ***See Instructions on Reverse Side**

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on
reverse side)

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
QUINTANA PETROLEUM CORPORATION (303)628-9211

3. ADDRESS OF OPERATOR
1050 - 17th Street, Suite 400, Denver, Colorado 80265

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
2160' FSL & 1960' FEL
(NW SE)

14. PERMIT NO.
43-047-31794

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
5228' GR

7. LEASE DESIGNATION AND SERIAL NO.
U-56219 *Dulg*

8. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A

9. UNIT AGREEMENT NAME
061114

10. FARM OR LEASE NAME
COYOTE WASH UNIT

11. WELL NO.
#1-28

12. FIELD AND POOL, OR WILDCAT
Wildcat

13. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 28, T8S-R24E

14. COUNTY OR PARISH
Uintah

15. STATE
Utah

CONFIDENTIAL

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

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

- PULL OR ALTER CASING
- MULTIPLE COMPLETE
- ABANDON*
- CHANGE PLANS

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

- REPAIRING WELL
- ALTERING CASING
- ABANDONMENT*

(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.)*

Verbal permission received from Allen McKee, BLM - Vernal to plug and abandon well. Plugs set as follows:

- Plug #1: 6200'-6000', 25 sxs Premium L200 w/2% CaCl₂
- Plug #2: 5200'-5000', 25 sxs Premium L200 w/2% CaCl₂
- Plug #3: 360'-160', 25 sxs Premium L200 w/2% CaCl₂
- Plug #4: 360'-160', 50 sxs Premium L200 w/2% CaCl₂ inside 9 5/8" x 5 1/2" annulus.
- Plug #5: 60'-surface, 15 sxs Premium L200 w/2% CaCl₂

Plugging witnessed by Ray Arnold and Jamie Sparger, BLM.

Rig released 0600 hrs 5/30/87.

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

DATE: 6-9-87
BY: John R. Dupa

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

SIGNED Amullilliams

TITLE Production Technician

DATE 6/3/87

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

cc: Utah DOGM

*See Instructions on Reverse Side

RECEIVED
JUN 08 1987

DIVISION OF
OIL, GAS, AND MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions
verse side)

Form approved
Budget Bureau No. 1004-01-15
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

U-56219

8. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGENCY NAME

EE6090

8. FARM OR LEASE NAME

COYOTE WASH UNIT

9. WELL NO.

#1-28

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Section 28, T8S-R24E

12. COUNTY OR PARISH

Uintah

13. STATE

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
QUINTANA PETROLEUM CORPORATION (303)628-9211

3. ADDRESS OF OPERATOR
1050 - 17th Street, Suite 400, Denver, Colorado 80265

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
2160' FSL & 1960' FEL
(NW SE)

14. PERMIT NO.
43-047-31794

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
5228' GR

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

NOTICE OF INTENTION TO:

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

SUBSEQUENT REPORT OF:

WATER SHUT-OFF
FRACTURE TREATMENT
SHOOTING OR ACIDIZING
(Other) _____
REPAIRING WELL
ALTERING CASING
ABANDONMENT*

PROGRESS REPORT XX

(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.)*

SUMMARY OF OPERATIONS - As of 5/30/87

- 1. Continued to flow test well.
 - 2. Plugged well according to BLM instructions.
 - 3. Well plugged and abandoned. Rig released 5/30/87.
- FINAL REPORT.

RECEIVED
JUN 08 1987

DIVISION OF
OIL, GAS & MINING

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

SIGNED J. Williams

TITLE Production Technician

DATE 6/4/87

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

CC: Utah DOGM

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

5. LEASE DESIGNATION AND SERIAL NO.

U-56219

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A 090813

7. UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME

COYOTE WASH UNIT FEDERAL

9. WELL NO.

#1-28

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Section 28, T8S-R24E

12. COUNTY OR PARISH

Uintah

13. STATE

Utah

15. DATE SPUNDED

4/29/87

16. DATE T.D. REACHED

5/13/87

17. DATE COMPL. (Ready to prod.)

P&A 5/30/87

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

5228' GR

19. ELEV. CASINGHEAD

5.28'

20. TOTAL DEPTH, MD & TVD

6333'

21. PLUG, BACK T.D., MD & TVD

N/A

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

0'-6333'

CABLE TOOLS

24. PRODUCING INTERVAL(S). OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

- None

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

CNL/LDN; DIL/SFL; BHC/Sonic; CBL/CCL/BDL/GR MICROLOG 9-3-87

27. WAS WELL CORRED

No

29. 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"	40#	262'	12 1/4"	137 sxs Class "G"	None
5 1/2"	15.5#	6333'	7 7/8"	400 sxs 1-0 RFC	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	30. TUBING RECORD	bottom of PACKER SET (MD)
N/A					SIZE	DEPTH SET (MD)
					2 7/8"	6159.27'
					(NOTE: packer & tubing pulled)	6174.79'

31. PERFORATION RECORD (Interval, size and number)

6225'-6249', 4 jspf, 4" casing gun
6232'-6235', 4 jspf, 4" casing gun
6225'-6230', 4 jspf, 4" casing gun
5114'-5130', 4 jspf, 4" casing gun
5138'-5146', 4 jspf, 4" casing gun

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
N/A	

33. PRODUCTION

DATE FIRST PRODUCTION: N/A
PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)
WELL STATUS (Producing or shut-in)

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED J. Williams TITLE Production Technician DATE 8/28/87

cc: Utah DOGM (See Instructions and Spaces for Additional Data on Reverse Side)

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

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; coring 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.

NO CORES.

NO DST'S.

Plugs set as follows:

- Plug #1: 6200' - 6000', 25 sxs Premium L200
- Plug #2: 5200' - 5000', 25 sxs Premium L200
- Plug #3: 360' - 160', 25 sxs Premium L200
- Plug #4: 360' - 160', 50 sxs Premium L200 - inside 9 5/8" x 5 1/2" annulus
- Plug #5: 60' - surface, 15 sxs Premium L200

38. GEOLOGIC MARKERS

LOG TOP
NAME MEAS. DEPTH TRUE VERT. DEPTH

- Wasatch Tongue 4016'
- Green River 4055'
- Wasatch fm. 4190'
- Mesa Verde fm. 5728'