

FILE NOTATIONS

Entered in N I D File

Entered On S R Sheet _____

Location Map Planned _____

Card Indexed

I W R for State or Fee Land _____

Checked by Chief _____

Copy N I D to _____

Approved _____

COMPLETION DATA:

Date Well Completed _____

OW _____ WW _____ TA _____

GW _____ OS _____ PA _____

Lr _____

Br _____

Driller's Log _____

Electric Logs (No.) _____

E1 _____ I _____ E-1 _____

Micro _____

Lat _____ Mi-L _____ Tonic _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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
 QUINTANA PETROLEUM CORPORATION

3. ADDRESS OF OPERATOR
 P. O. BOX 280, REFUGIO, TEXAS 78377

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
 1799' FWL 1188' FSL Sec. 19, T14S, R7E, S.L.B. & M.
 At proposed prod. zone
 (same as at surface) **SESW**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 18 miles Northwest of Huntington, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1188'

16. NO. OF ACRES IN LEASE 1208.99

17. NO. OF ACRES ASSIGNED TO THIS WELL 640

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 10,200 **Navajo**

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 8500'

22. APPROX. DATE WORK WILL START*
 July 20, 1980

5. LEASE DESIGNATION AND SERIAL NO.
 USA No. U-01740
 dated July 1, 1951

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 NA

7. UNIT AGREEMENT NAME
 Clear Creek Unit

8. FARM OR LEASE NAME
 Clear Creek Unit #1

9. WELL NO.

10. FIELD OR LOCALITY
 Clear Creek field
 WILDCAT

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 19; T14S; R7E

12. COUNTY OR PARISH 13. STATE
 Carbon Utah

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
26"	20"	94#	60'	Cement to surface
17-1/2"	13-3/8"	54.5	1100'	Cement to surface
12-1/4"	9-5/8"	47.0	7000'	700 Sacks
8-1/2"	5-1/2"	17.0	10,200'	850 Sacks

Set 20" conductor casing & cement to surface. Move in drilling rig and install 20" rotating head. Drill 17-1/2" hole to 1100' using air or aerated mud. Run 13-3/8" casing and cement to surface. Install 2 ram type blow-out preventors, 1 annular type, rotating head and choke manifold. Drill 12-1/4" hole to approximately 7000'. Set 9-5/8" casing and cement with 700 sacks. Install casing-head spool and re-install BOP equipment as above. Drill 8-1/2" hole with air mist or aerated mud to about 10,200' to test the Navajo Formation. If product run 5-1/2" casing and cement w/850 sacks.

RECEIVED
 JUN 20 1980

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 dip. Give blowout preventer program, if any.

24. **DIVISION OF OIL, GAS & MINING**
 SIGNED: J.M. Trotter TITLE: District Manager DATE: 6/6/80

(This space for Federal or State office use)
 PERMIT NO. 43-007-30053 05-30090 APPROVAL DATE: 6/30/80

APPROVED BY _____ TITLE _____ DATE _____

APPROVED BY THE DIVISION
 OF OIL, GAS, AND MINING
 DATE: 6-30-80
 BY: M.J. Minder

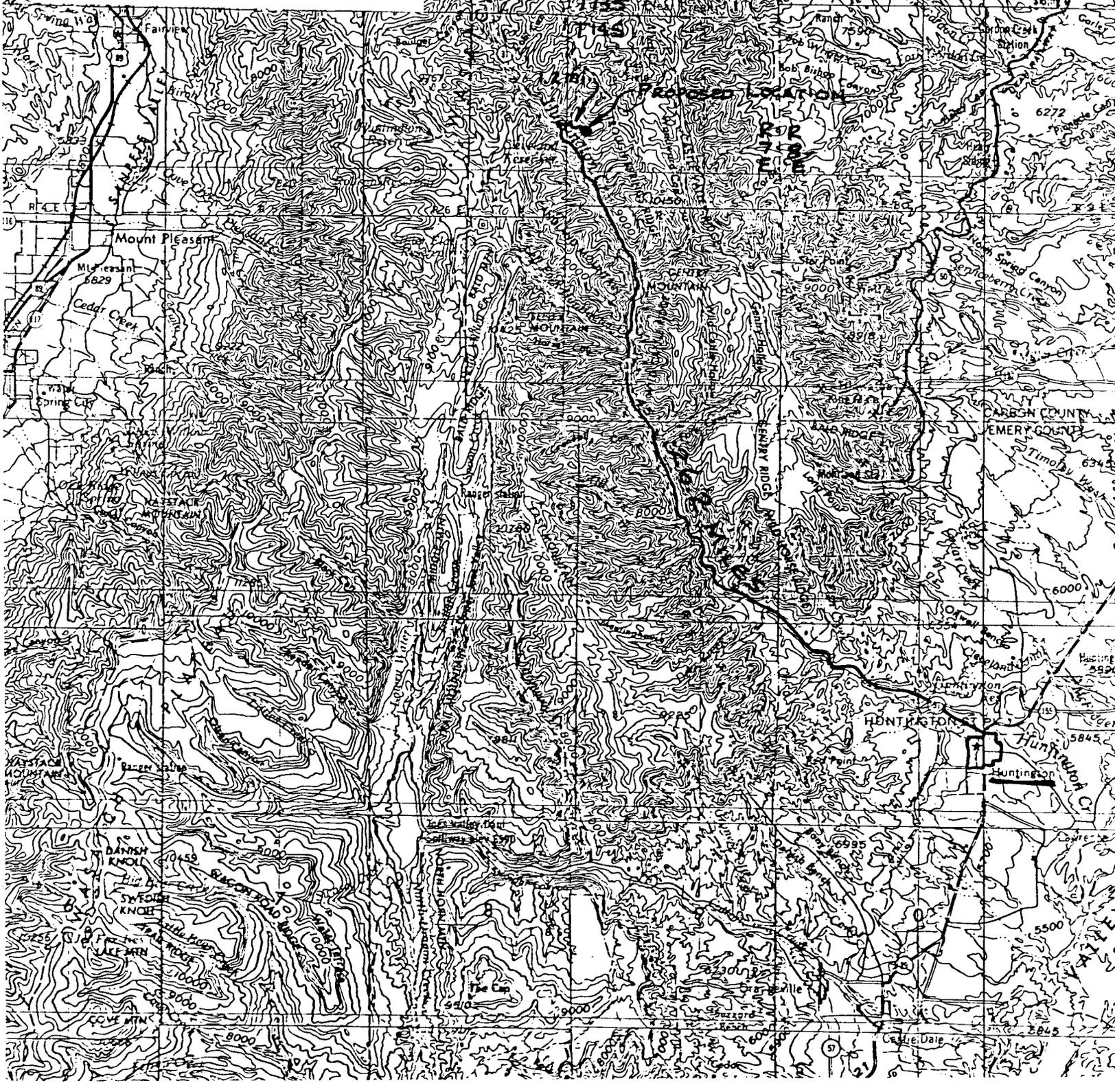
QUINTANA PETROLEUM CORP.
CLEAR CREEK UNIT #1
PROPOSED LOCATION

TOPO.

MAP "A"



SCALE: 1" = 4 Mi.



Clear Creek Unit No. 1
Section 19, T 14 S, R 7 E
Emery County, Utah

4. Proposed Casing Program

<u>Size</u>	<u>Grade</u>	<u>Weight/Ft.</u>	<u>Condition</u>	<u>Depth Set</u>	<u>Estimated Cement Top</u>
20"	H-40	94.0	New	60'	Surface
13-3/8"	K-55	54.5	New	1100'	Surface
9-5/8"	N-80	47.0	New	7000'	4400'
5-1/2"	N-80	17.0	New	10,200'	6000'

5. Pressure Control Equipment

- (a) Refer to Exhibit "A"
- (b) The minimum working pressure rating on any and all pressure control equipment will be 3000 psi.
- (c) The BOP stack, casing and all manifold valves will be tested to 1200 psi prior to drilling out below the 13-3/8" casing. The BOP stack, casing and manifold system also will be tested after setting the 9-5/8" string of casing. The BOP rams will be function tested on each bit trip and pressure tested each seven days.

6. Drilling Fluids

The surface hole will be drilled with air or air mist. If an excessive water flow is encountered, an aerated mud system will be used. After the 13-3/8" surface casing is set, it is planned to drill both the intermediate and final portions of the hole with a 2% KCl air mist system, if possible, to minimize lost circulation problems. If excessive water is encountered, an aerated mud system will be used. A minimum of 300 sacks of lost circulation material and 400 barrels water storage will be maintained on location.

7. Auxiliary Equipment

As a minimum, the following auxiliary equipment will be used:

- (a) Upper kelly cock
- (b) Mud pit level indicator

Clear Creek Unit No. 1
Section 19, T 14 S, R 7 E
Emery County, Utah

7. Auxiliary Equipment (continued from page 2)

- (c) A full opening safety valve on the floor at all times with drill pipe and drill collar connection crossovers.
- (d) An inside blow out preventer on the floor at all times with drill pipe and drill collar connection crossovers.
- (e) An automatic choke with remote operating panel.

8. Evaluation Procedures

- (a) Drill stem tests: Open hole drill stem tests of significant hydrocarbon shows will be considered based on the recommendation of the onsite geologist. The Navajo zone will be continuously tested while drilling with air.
- (b) Coring: Conventional coring will be considered based on the recommendation of the onsite geologist.
- (c) Logging: A lithology, resistivity, and porosity log as a minimum will be run at the 9-5/8" casing point and at total depth. Other logging services and logging points will be considered as needed.

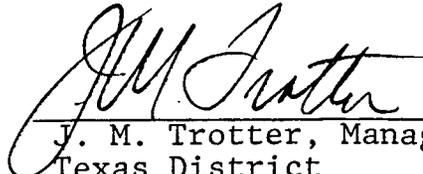
9. Abnormal Drilling Conditions

- (a) Abnormal Pressure: None anticipated
- (b) Abnormal Temperature: None anticipated
- (c) Hydrogen Sulfide: None anticipated

10. Starting Date and Duration

Quintana plans to begin drill site preparation construction by July 7, 1980 (or as soon thereafter as governmental approval is obtained) in order to commence drilling operations by July 20, 1980. The access road and location construction work will take approximately 10 days. The drilling and completion operations are expected to take about 80 days.

Date: 6-6-80

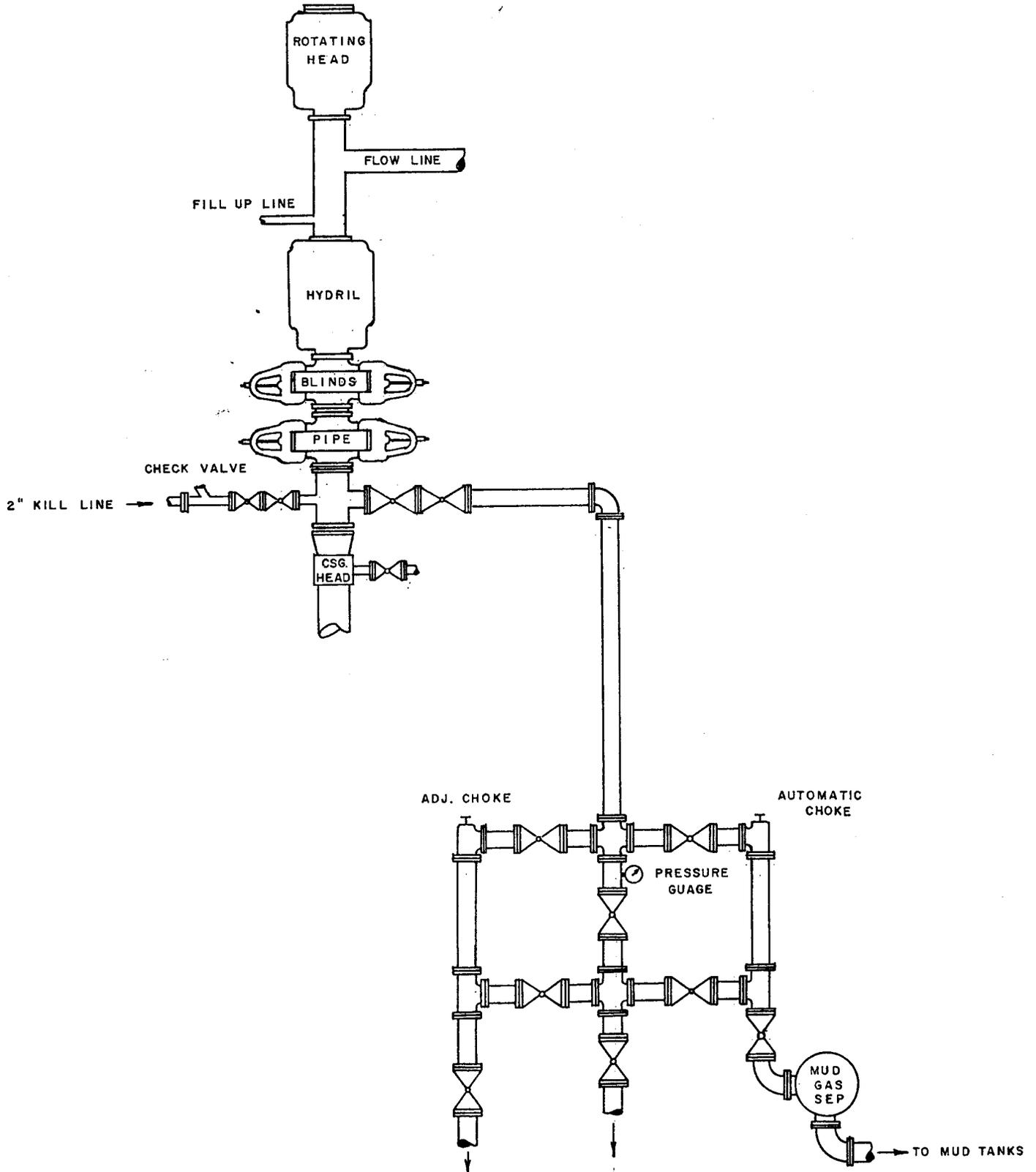


J. M. Trotter, Manager
Texas District

EXHIBIT A

QUINTANA PETROLEUM CORPORATION

BLOW-OUT PREVENTOR ASSEMBLY



QUINTANA PETROLEUM CORPORATION

13 Point Surface Use Plan

for

Well Location

Clear Creek Unit #1, Well #1

Located In

Section 19, T14S, R7E, S.L.B. & M.

Emery County, Utah

QUINTANA PETROLEUM CORPORATION
Clear Creek Unit #1, Well #1
Sec. 19, T14S, R7E, S.L.B. & M.

1. EXISTING ROADS

See Topographic Maps "A" & "B".

To reach QUINTANA PETROLEUM CORPORATION Well Location Clear Creek Unit #1, Well #1, located in Sec. 19, T14S, R7E, S.L.B. & M. from Huntington, Utah:

Proceed Northerly out of Huntington, Utah on Utah State Highway 10, 0.8 miles to its junction with Utah State Highway 31; Proceed Northwesterly along this road 25.4 miles ± to the junction of this road and a road to the East; Proceed Easterly along this road 1.2 miles to the proposed location site.

Utah State Highways 10 and 31 are bituminous surfaced roads and are maintained by State road crews. The above mentioned road to the East off of Highway 31 is a dirt road which was constructed out of materials which were accumulated during its construction. This road will be maintained by QUINTANA PETROLEUM CORP. or their subcontractors. This maintenance will require some minor grader work to smooth surfaces and for snow removal. No major work is anticipated.

There will be no construction on the above described roads. They will meet the necessary standards required to facilitate an orderly flow of traffic during the drilling phase, completion phase, and the production phase of this well at such time that production is established.

2. PLANNED ACCESS ROAD

See Topographic Map "B".

There will be no access road required for this location, as the above described existing road goes directly to the proposed location site.

3. LOCATION OF EXISTING WELLS

See Topographic Map "B".

There is one existing inactive gas well within a one-mile radius of this location site.

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

4. LOCATION OF EXISTING AND PROPOSED FACILITIES

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

A welded steel tank will be placed on the location site to contain liquid hydrocarbons that are produced by this well.

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

4. LOCATION OF EXISTING AND PROPOSED FACILITIES - cont...

These facilities will be constructed using bulldozers, graders, and workman crews to construct and place the proposed facilities.

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

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

5. LOCATION OF AND TYPE OF WATER SUPPLY

See Topographic Map "B".

Water to be used in the drilling of this well will be gravity fed from North Hughes Creek, approximately 100' Southeast of the proposed location site.

In the event that this source is not used, an alternate source will be used and all necessary arrangements will be made with the proper authorities.

All appropriate permits will be acquired from the proper authorities.

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

6. SOURCE OF CONSTRUCTION MATERIAL

Construction materials for this location site shall be borrow materials accumulated during construction of the location site. There are no pit lining materials from other sources anticipated at this time, however if they are required, the appropriate actions will be taken to acquire them from private sources.

7. METHODS FOR HANDLING WASTE DISPOSAL

See Location Layout Sheet.

A reserve pit will be constructed.

The reserve pit will be approximately 10' deep and at least one-half of this depth shall be below the surface of the existing ground.

One-half of the reserve pit will be used as a fresh water storage area during the drilling of this well and the other one-half will be used to store non-flammable materials such as cuttings, salts, drilling fluids, chemicals, and produced fluids, etc.

If deemed necessary by the agencies concerned to prevent contamination to surrounding areas, the reserve pits will be lined with a gel.

The pits will have wire and overhead flagging installed if deemed necessary to protect the water fowl, wildlife, and domestic animals.

QUINTANA PETROLEUM CORPORATION
Clear Creek Unit #1, Well #1
Section 19, T14S, R7E, S.L.B. & M.

7. METHODS FOR HANDLING WASTE DISPOSAL

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

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

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

A portable chemical toilet will be supplied for human waste.

8. ANCILLARY FACILITIES

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

9. WELL SITE LAYOUT

See attached Location Layout Sheet

All involved agencies shall be notified before any construction begins on the proposed location site.

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

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, it shall be stripped and stockpiled. (See Location Layout Sheet). When all drilling and production activities have been completed, the location site and access road will be reshaped to the original contour and stockpiled topsoil spread over the disturbed area.

Any drainages re-routed during the construction activities shall be restored to their original line of flow as near as possible. Fences around the pits are to be removed upon completion of drilling activities and all waste being contained in the trash basket will be hauled to the Huntington Sanitary Landfill.

As mentioned in Item #7, the reserve pit will be completely fenced and wired with overhead wire and flagging installed. If there is oil in the pits, it will be allowed to dry completely before covering.

QUINTANA PETROLEUM CORPORATION
Clear Creek Unit #1, Well #1
Sec. 19, T14S, R7E, S.L.B. & M.

10. PLANS FOR RESTORATION OF SURFACE

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 shall be reseeded with a seed mixture recommended by the B.L.M. Representative when the moisture content of the soil is adequate for germination. The Lessee further covenants and agrees that all of said clean-up and restoration activities shall be done and performed in a diligent and most workmanlike manner, and in strict conformity with the above mentioned Items #7 and #10.

11. OTHER INFORMATION

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

The area concerned is near the center of what is known as the Wastach Plateau which is formed by the Book Cliff Mountains to the North, the Sanpete Valley to the West and the Castle Valley to the East; Southeast. The area is interlaced with numerous canyons and ridges formed in sandstone, cobblerock, conglomerate, and shale deposits.

The majority of the smaller drainages are of a non-perennial nature with normal flow limited to the early springrun-off and heavy thunderstorms or rainstorms of high intensity that last over an extended period of time and are extremely rare in nature as normal annual precipitation is only 8"

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

Due to the low precipitation average, climatic 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, as primary flora, areas of Juniper, Pinion Pine, sagebrush, rabbitbrush, some grasses, and cacti, on the upper benches with cottonwoods, beach, willow, Russian Olives, and grasses along the lower levels close to the wet areas and streams.

The fauna of the area consists predominately of the mule deer, coyotes, rabbits, varieties of small ground squirrels and types of rodents, and various reptiles common to the area.

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

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

QUINTANA PETROLEUM CORPORATION
Clear Creek Unit #1, Well #1
Sec. 19, T14S, R7E, S.L.B. & M.

11. OTHER INFORMATION - cont...

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

Clear Creek Unit #1, Well #1 sits near the bottom of a non-perennial drainage, which drains to the Southwest into Huntington Creek, a perennial drainage which runs Southeast into the San Rafael River.

The terrain in the vicinity of the location slopes from the Northeast through the location site to the Southwest at approximately a 6% grade.

The vegetation in the immediate area surrounding the location site consists of Juniper, Pinion Pine, 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

J.M. Trotter (District Manager)
P.O. Box 280
Refugio, Texas 78377

Telephone 1-521-526-2373

13. CERTIFICATION

I hereby certify that I, or person under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Quintana Petroleum Corp. its contractors and subcontractors in conformity with this plan and terms and conditions under which it is approved.

Date

J.M. Trotter
(District Manager)

Emergy

QUINTANA PETROLEUM CORPORATION

SHEET D

DRILLING RECORD

PAGE NO. 15

LEASE CLEAR CREEK UNIT 1 WELL NO. 1 FIELD Clear Creek UTAH

DATE	E.T.D.	DETAILS OF OPERATIONS, DESCRIPTIONS & RESULTS	AFE 30006
6-20-81	9401'	Went into hole with 4-1/8" cement mill. Tagged cement at 9240'. Tested casing to 1500 psi; okay. Pulled up hole.	
6-21-81	"	Drilled spotty cement to 9305'. Drilled hard cement to landing collar at 9347'. Drilled landing collar, cement and set shoe. Cleaned out to 9391'. Tested casing seat to 9.5 ppg equivalent; okay. Washed and reamed to total depth at 9401'. Milled on junk. Pulled up into 7" casing.	
6-22-81	"	Milled on junk 1-1/2 hours. Circulated out small pieces of float equipment junk. Pulled out of hole. Now going into hole with 4-1/8" jet basket.	
6-23-81	"	Finished in hole with jet basket. Tagged 3' fill. Washed to bottom. Dropped ball to activate reversing tool. Tool malfunctioned. Reverse circulated and cut one foot core. Started out of hole.	
6-24-81	"	Finished out of hole. Recovered small pieces of float equipment junk. Tested blowout preventors to 5,000 psi (hydril to 3,000 psi). Started into hole with 4-1/8" bit.	
6-25-81	9401'	Went into hole to top of liner at 7656'. Could not get into liner. Finally worked down 90'. Pipe dragging and would not turn freely. Pulled out of hole. Left bit, bit sub and 13 3-1/8" drill collars in hole. Bit is apparently at top of 5" liner and top of fish at about 7264'. Now changing out drill collars and preparing to go into hole with fishing assembly.	
6-26-81	9401'	Laid down 13 spiral drill collars. Picked up 13 3-1/8" slick drill collars. Picked up 5-3/8" overshot with mill control and 3-1/8" grapple, oil and bumper jars. Went into hole to top of fish at 7418'. Engaged and jarred fish loose. Started out of hole. NOTE: Bit was at 7810', or 154' inside 5" liner. Had 12,000# drag until pulled fish out of 5" liner.	
6-27-81	9401'	Finished out of hole with fish and laid down 13 drill collars. Shut down for rig maintenance. Started into hole with 4-1/8" junk mill.	
6-28-81	9403'	Finished in hole with mill to top of 5" liner at 7656'. Milled open top of liner with 2000# 15 minutes. Milled on bottom of tie-back sleeve at 7662'. Milled 30" with four-8000# weight. Went into hole to 9398'. Washed to 9401'. Milled on Bit #27 cone. Cut to 9403'. Circulated out. Pulled up into liner and closed in for night.	
6-29-81	9411'	Went into hole to 9403'. Milled on junk until no drag or torque. Drilled to 9411'. Circulated out. Pulled out of hole. Recovered pieces of cone, bearings, etc. in boot basket. Started into hole with drilling assembly.	
6-30-81	9411'	Went into hole, blowing hole dry. At 5200' could not move fluid with maximum pressure of 1300 psi. Pulled up to 4200' and could not move fluid with 1300 psi. Now at 2000' and attempting to move fluid.	
7-1-81	9411'	Pulled out of hole. Found river rocks in fire float. Went into hole to 2000'. Repaired blooey line and rotating head. Circulated with air at 2000'. Went into hole to 5130'. Blew hole dry with 650 psi. Went into hole to 6575'. Blew hole with 640 psi.	
7-2-81	9431'	Blew hole dry at 7975'. Finished in hole to 9411'. Blew hole dry. Drilled to 9431' with air and KCL mist. Started out of hole for new bit. Cuttings have bright gold fluorescence--appears to be dead oil. No gas entry.	

QUINTANA PETROLEUM CORPORATION

SHEET D

DRILLING RECORD

PAGE NO. 16

LEASE CLEAR CREEK UNIT 1 WELL NO. 1 FIELD Clear Creek Area UTAH

DATE	E.T.D.	DETAILS OF OPERATIONS, DESCRIPTIONS & RESULTS	AFE 30006
7-3-81	9440'	Finished trip for new bit. Drilled to 9440' with air and KCl mist. Blew hole dry and pulled up into 5" for the night.	
7-4-81	9459'	Opened well. Had very weak blow. Would not burn. Circulated with 580 psi. No fluid feed-in over night. Had 3' fill. Drilled to 9459'. Blew hole dry. Started out of hole for new bit. Now drilling in sandy siltstone. Now have no fluorescence or residual oil.	
7-5-81	9474'	Finished trip for new bit. Precautionarily reamed 9385' to 9459'. Drilled to 9474' with increased amount of return gas. Blew hole dry. Shut off air. Had slight blow of inert gas (would not burn). Shut well in at 1800 hours 7-4-81. At 0700 hours 7-5-81 shut-in pressure is 360 psi. Waiting on core lab to catch samples. Lithology: Shaley, limey siltstone (appears fractured). No oil fluorescence.	
7-6-81	9498'	Shut well in. Drew two gas samples. At 10:00 A.M. 7-5-81 pressure was 600 psi. Bled pressure to -0- psi in 1-3/4 hours. Gas would not burn. Broke circulation with air at 9384'. Reamed for safety. Drilled to 9498'. Blew hole dry and started pulling out of hole. Closed in for night. NOTE: Sample analyzed 95% CO ₂ , 4% nitrogen and 1% methane (adjusted for air contamination).	
7-7-81	9498'	Finished out of hole. No. 2 cone was missing from bit. Bit appears to be burnt and crystalized--metal embedded on No. 1 cone. Rigged up and inspected bottom hole assembly. Laid down three drill collrs. Had two cracked pins and one swelled box. Spot-checked drill pipe--three joints had cracked pins and twelve joints with pulled pins. Went into hole with bit. Reamed to bottom. NOTE: Blow on well has doubled since yesterday. Flow is surging, possibly making it necessary to kill well to log (for safety reasons).	
7-8-81	9518'	Drilled to 9520'. Made trip for new bit. Now reaming to bottom. (Left 1-1/2 cones in hole.) Lithology: 85% limestone, 10% siltstone and 5% quartz. No oil fluorescence.	
7-9-81	9520'	Finished reaming to 9520'. Milled on junk. Maximum torque 1575 ft/lbs hydraulic. Lost 150 psi air pressure and 7000 psi weight off indicator. Pulled out of hole. Found nothing wrong with drill string. Checked surface equipment; no problems. Went into hole staging with stops at ±2200', ±7100', ±9445' to check compressors. Began reaming at 9445'. Reamed to 9505'. Now stuck and attempting to work pipe free. Torqued up at 1575#. Took 2000# to pull loose. Went back to bottom and torqued to 1575# and stuck. Have pulled 65,000# over string weight. Stretch measurements show stuck on bottom. Now pumping soap pill.	
7-10-81	9522'	Circulated around with mud. Washed pipe loose. Circulated and conditioned mud. Reamed to 9520'. Milled on junk 4 hours. Started running smooth. Cut 2' of new hole. Pulled out of hole with mill. Went into hole with new bit. Washed and reamed 9465' to 9522'. Preparing to drill ahead. NOTE: Lost 57 bbls mud to formation since circulated around. Plans are to drill about 75' with mud and then convert back to air.	
7-11-81	9545'	Drilled to 9539'. Circulated out for samples. Hard siltstone is non-fractuatable. Made trip for new bit. Drilled to 9545'. Pump broke down. Pulled up to 5" liner. Repaired mud pump.	
7-12-81	9552'	Finished repairs. Drilled to 9552'. Circulated bottoms up. Hard siltstone, non-fractuatable. Made trip for new bit. Rigged up T&M drill collar inspectors. Spot-checked H-90 drill pipe. Found pin cracked in first joint above PAC 2-7/8" drill pipe. Laid down one joint of H-90. Checked PAC; okay. Magnaflux light went out. Slipped and cut drill line. Serviced rig. Pulled out of hole with drill collars. Started into hole with bit #37. Inspected drill collars while going into hole.	

QUINTANA PETROLEUM CORPORATION

SHEET D

DRILLING RECORD

PAGE NO. 17

LEASE CLEAR CREEK UNIT 1 WELL NO. 1 FIELD Clear Creek UTAH

DATE	E.T.D.	DETAILS OF OPERATIONS, DESCRIPTIONS & RESULTS	AFE 30006
7-13-81	9559'	Inspected drill collars. All were okay. Finished in hole. Reamed from 9528' to 9552'. Drilled to 9558'. Lost partital returns (Lost 64 bbls mud). Pulled up into 5" liner. Hole stayed full. Circulated with full returns. Went back to bottom. Circulated with full returns. Drilled to 9559'. Losing mud (lost 42 bbls). Pulled out of hole. Preparing to go into hole with air drilling assembly.	
7-14-81	9582'	Unloaded hole with air while going into hole with bit #38. Had no fluid feed-in. Drilled to 9582'. Shut off mist. Blew hole dry. Spotted 3-1/2 bbls polymer mud on bottom. Pulled off bottom with 10,000# maximum drag. Now making trip for new bit.	
7-15-81	9633'	Finished in hole. Reamed tight hole from 9576' to 9582'. Drilled to 9633'. Blew hole dry. No fluid feed-in. Spotted 4 bbls mud on bottom. Pulled off bottom with 6,000# maximum drag. Now making trip for new bit.	
7-16-81	9637' Corrected	Finished in hole to 9546'. Bit plugged. Pulled out of hole. Found sand and pipe dope in bit. Crew quit. Rig was down 6 hours. Picked up 8 additional drill collars. Now going into hole. NOTE: Started getting slight, steady blow of inert gas again.	
7-17-81	9637'	Went into hole to 5535'. Blew around with air. Went into hole to 7687'. Unloaded 2 bbls formation water (black with CO2 odor). Had left 4 bbls polymer mud in hole, with fluid level about 9400', so entry from formation was about 30 bbls. Went into hole to 9337'. Jetted well 2-1/2 hours, making water at rate of 15 gals/hr (density 8.7 ppg, chlorides 35,500 ppm). Caught sample of water for analysis. Loaded well with mud. Now preparing to lay down drill pipe. (Will pick up tubing to plug back and test zones behind pipe.)	
7-18-81	9637'	Pulled out of hole. Laid down 252 joints H-90 drill pipe, 40 joints drill pipe and 34 joints 3-1/8" drill collars. Rigged down mud gas separator and blooey line. Loading out rental equipment.	
7-19-81	9637'	Rigged up McCullough. Went into hole with 4" gauge ring to 5200'. Ran collar log 5200-4650'; correlated to CBL. Went into hole and ran collar locator 9687-5400'. No problem with wireline operation. Pulled out of hole. Picked up Howco EZSU retainer. Went into hole to 5200'. Checked collars. Went into hole to 9650'. Checked collars. Set top of retainer at 9312' (collar at 9304'). Pulled out of hole. Rigged down wireline. Finished loading out rentals. Unloaded 2-3/8" tubing. Rabbited and strapped same. Went into hole with stinger. Had no trouble getting into 5" liner. Now at 7850' and going into hole.	
7-20-81	9312' Retainer	Finished in hole with retainer stringer to 9306'. Closed rams. Pressure tested to 1,000 psi for 10 minutes, okay. Displaced hole with 9.6 KCl water. Circulated 124 additional bbls. Stung into cement retainer at 9312'. Tubing went on vacuum. Bullheaded mud ahead of water. Pumped 15 bbls of fresh water. Followed with 75 sacks of Class "H" cement with .02% HR-4. Displaced cement with 5 bbls of fresh water and 30 bbls of field salt water. Final squeeze pressure was 600 psi. Pulled out of retainer. Dumped 1 bbl of cement on top of retainer. Nippled down hydril. Started picking up fresh water for completion. Went into hole with 304 joints 2-3/8" tubing.	
7-21-81	9306' Retainer	Circulated and conditioned KCl water at 9214'. Reduced weight to 8.7 ppg Pulled out of hole with tubing. Ran test plug. Tested blowout preventors to 3500 psi. Tested pipe rams to 4000 psi, choke manifold to 5000 psi.	

QUINTANA PETROLEUM CORPORATION

SHEET D

H. H. Cullen

DRILLING RECORD

PAGE NO. 19

LEASE CLEAR CREEK UNIT 1 WELL NO. 1 FIELD Clear Creek UTAH

DATE	E.T.D.	DETAILS OF OPERATIONS, DESCRIPTIONS & RESULTS AFE 30006
7-28-81	9,637' 9,312'PB	Opened bypass on RTTS tool. Reversed out frac balls and acid water out of tubing. Closed bypass and pressure tested casing to 1,000 psi. Rigged up coil tubing unit.
7-29-81	"	Opened up well with 100 psi on tubing. Bled to zero psig. Fluid at surface. Went into hole with coiled tubing. Jetted well dry at 5000'. Had very little feed-in. Went into hole with coiled tubing to 8000'; slight feed-in. Jetted out approximately 37 bbls acid water. (Tubing displacement, 37 bbls.) Pulled up to 4000'.
7-30-81	"	At 7:00 a.m. had 60 psi shut in tubing pressure. Bled pressure to zero. Started pumping nitrogen with coiled tubing at 4,000'. Had no fluid. Hung coiled tubing up at 5595'. Pulled coiled tubing free. Pulled out of hole with coiled tubing. Redressed bottom of coiled tubing. Started into hole with coiled tubing to 3,000'. Tubing broke and dropped approximately 4,000' of 1" OD coiled tubing inside 2-3/8" tubing. Rigged down coiled tubing unit. Loaded tubing with 8.7 ppg KCl water. Released RTTS tool. Reversed out approximately 8 bbls of rathole water. No sign of any hydrocarbons. Pulled one joint of 2-3/8" tubing.
7-31-81	"	Had zero pressure on tubing. Rigged up wireline truck. Ran 1-3/4" impression block. Tagged top of coil tubing at 2585'. Impression block showed that coiled tubing was damaged so that an overshot would not catch fish. Pulled 2-3/8" tubing up hole 500'. Rigged up wireline truck. Tagged top of coiled tubing at 2592'. Fish not staying inside of tubing.

** FILE NOTATIONS **

DATE: June 23, 1980
OPERATOR: Quintana Petroleum Corp.
WELL NO: Clear Creek Unit #1
Location: Sec. 19 T. 14S R. 7E County: EMERY ~~CARROLL~~

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

API Number 43-~~015-30090~~⁰¹⁵⁻³⁰⁰⁹⁰ → was issued in wrong county.
Re-Issued - 43 015 30090

CHECKED BY:
Petroleum Engineer: M.J. Minder 6-30-80

Director: _____

Administrative Aide: _____

APPROVAL LETTER:

Bond Required: Survey Plat Required:
Order No. _____ O.K. Rule C-3

Rule C-3(c), Topographic Exception - company owns or controls acreage within a 660' radius of proposed site

Lease Designation Sec. Unit Plotted on Map

Hot Line Approval Letter Written btm
P.I.

Unit approval

June 30, 1980

Quintana Petroleum Corporation
P.O. Box 280
Refugio, Texas 78377

Re: Well No. Clear Creek Unit #1
Sec. 19, T. 14S, R. 7E.,
Carbon County, Utah

Insofar as this office is concerned, approval to drill the above referred to gas well is hereby granted in accordance with Section 40-6-11, Utah Code Annotated 1953; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

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

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-007-30053.

Sincerely,
DIVISION OF OIL, GAS AND MINING

Michael T. Minder
Petroleum Engineer

/btm

cc: USGS

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DUPLICATE

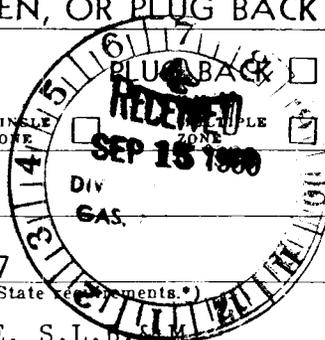
LEASE DESIGNATION AND SERIAL NO.
USA No. U-01740
Dated July 1, 1951

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
NA

7. UNIT AGREEMENT NAME
Clear Creek Unit

8. FARM OR LEASE NAME
Clear Creek Unit #1

9. WELL NO.
1



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

2. NAME OF OPERATOR
QUINTANA PETROLEUM CORPORATION

3. ADDRESS OF OPERATOR
P. O. BOX 280, REFUGIO, TEXAS 78377

4. LOCATION OF WELL (Report location clearly and in accordance with any State regulations.)
At surface: 1799' FWL 1188' FSL Sec. 19, T14S, R7E, S.L.B.
At proposed prod. zone: (same as at surface)

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
18 miles Northwest of Huntington, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
1188'

16. NO. OF ACRES IN LEASE
1208.99

17. NO. OF ACRES ASSIGNED TO THIS WELL
640

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

19. PROPOSED DEPTH
10,200

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
8500'

22. APPROX. DATE WORK WILL START*
July 20, 1980

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
26"	20"	94#	60'	Cement to surface
17-1/2"	13-3/8"	54.5	1100'	Cement to surface
12-1/4"	9-5/8"	47.0	7000'	700 Sacks
8-1/2"	5-1/2"	17.0	10,200'	850 Sacks

Set 20" conductor casing & cement to surface. Move in drilling rig and install 20" rotating head. Drill 17-1/2" hole to 1100' using air or aerated mud. Run 13-3/8" casing and cement to surface. Install 2 ram type blow-out preventors, 1 annular type, rotating head and choke manifold. Drill 12-1/4" hole to approximately 7000'. Set 9-5/8" casing and cement with 700 sacks. Install casing-head spool and re-install BOP equipment as above. Drill 8-1/2" hole with air mist or aerated mud to about 10,200' to test the Navajo Formation. If productive, run 5-1/2" casing and cement w/850 sacks.

Quintana will furnish acceptable Designation of Agent on or before 9/22/80.

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: *J.M. Trotter* TITLE: District Manager DATE: 6/6/80

PERMIT NO. APPROVAL DATE
APPROVED BY: *W.P. Mantus* FOR: E.W. GUYNN DISTRICT ENGINEER DATE: SEP 10 1980
CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

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

NOTICE OF APPROVAL

Utah State Oil - Gas Production Facilities and Flowline NOT Approved

United States Department of the Interior
 Geological Survey
 Oil and Gas Operations
 2000 Administration Building
 1745 West 1700 South
 Salt Lake City, Utah 84104

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator/Project Name QUINTANA PETROLEUM CORP. - CLEAR CREEK UNIT #1
 Project Type WIDCAT - GAS WELL
 Project Location 1799' FWL, 1188' FSL, SEC 19, T14S, R7E - EMERY COUNTY, UT.
 Date Project Submitted JUNE 23, 1980

FIELD INSPECTION

Date JULY 22, 1980

Field Inspection
 Participants

GEORGE Diwackak - USGS
William Bolley, STEVE Robinson, Walt Nowak - USFS
Brent Barney, Teri Smith, Ira Hatch - USFS
GENE Stewart - Utah Engineering
Leonard Heeney - Ross Construction Co.
MIKE MCKENZIE - Quintana Petroleum Co.
BILL SPIRES - ARROW OPERATING Co.

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

9/5/80

Date Prepared

George J. Diwackak
 Environmental Scientist

I concur

9/9/80
 Date

Ed [Signature]
 District Supervisor

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

Criteria 516 DM 2.3.A	Federal/State Agency			Local and private corre- spondence (date)	Previous NEPA	Other studies and reports	Staff expertise	Onsite inspection (date)	Other
	Corre- spondence (date)	Phone check (date)	Meeting (date)						
1. Public health and safety						2		6, 4	
2. Unique charac- teristics					1*			6	
3. Environmentally controversial					1*			1, 6	
4. Uncertain and unknown risks						2		6	
5. Establishes precedents								6	
6. Cumulatively significant					1*			1, 6	
7. National Register historic places					1*				
8. Endangered/ threatened species					1*			1, 6	
9. Violate Federal, State, local, tribal law							6		

KEY ATTACHED

Supplemental Stipulations Attached

* - SEE ATTACHED USES - FA

Supplemental Stipulations

1. A U.S. Forest Service road use permit will be required pending the approval of the final road plans.
2. See management requirement stipulations included on pages 5, 6, 7, & 8 of attached U.S. Forest Service E.A.
3. All coal zones in Star Point and Emery Formations shall be logged behind the surface casing

1 SMA INPUT

2. Reviews Reports, or information received from Geological Survey (CD, GD, WRD, TD)

3 LEASE STIPULATIONS / TERMS

4 APD

5. Operator Correspondence

6. Field Observation

7. Private Rehab Agreement



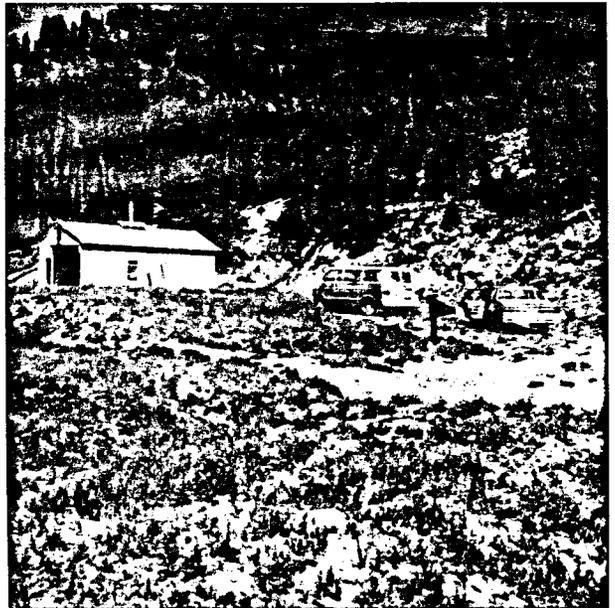
QUINTANA #1
↑
S-SW



QUINTANA - Culvert needed
ACCESS RD - to be upgraded



QUINTANA #1
↑
N-NE



Quintana #1
↑
N

Glenn

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

TO : DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. U-01740

OPERATOR: Quintana WELL NO. 1

LOCATION: NW 1/4 SE 1/4 SW 1/4 sec. 19, T. 14S., R. 7E., SLM

Emery County, Utah

1. Stratigraphy: *Operator tops appear reasonable*

Masuk	surface	Morrison	500'
Star Pt.	30'	Summerville	6845'
Emery	650'	Curtis	7470'
Blue Gate	2430'	Entrada	7650'
Ferron	4420'	Navajo	9750'
Dakota	5280'	<u>TD</u>	10,200'
Cedar Mt.	5365'		

2. Fresh Water:

Probable in Star Pt.

3. Leasable Minerals:

Coal in the Star Pt. & Emery (surfaces to 2500').

4. Additional Logs Needed: *Through coal zone:*

- 1) Behind surface casing : FDC-CNL
- 2) Below " " " " + resistivity
- 3) Log of cuttings

5. Potential Geologic Hazards: *None expected*

6. References and Remarks:

Signature: Gregory W Wood

Date: 7-7-80 REC'D

Memorandum

Glenn

To: District Oil and Gas Engineer, Mr. Edward Guynn

From: Mining, Supervisor, Mr. Jackson W. Moffitt

Subject: Application for Permit to Drill (form 9-331c) Federal oil and gas lease No. OK - 01740 Well No. 1

1. The location appears potentially valuable for:

- strip mining*
- underground mining**
- has no known potential.

2. The proposed area is

- under a Federal lease for _____ under the jurisdiction of this office.
- not under a Federal lease under the jurisdiction of this office.
- Please request the operator to furnish resistivity, density, Gamma-Ray, or other appropriate electric logs covering all formations containing potentially valuable minerals subject to the Mineral Leasing Act of 1920.

*If location has strip mining potential:

Surface casing should be set to at least 50 feet below the lowest strip minable zone at _____ and cemented to surface. Upon abandonment, a 300-foot cement plug should be set immediately below the base of the minable zone.

**If location has underground mining potential:

The minable zones should be isolated with cement from a point 100 feet below the formation to 100 feet above the formation. Water-bearing horizons should be cemented in like manner. Except for salines or water-bearing horizons with potential for mixing aquifers, a depth of 4,000 feet has been deemed the lowest limit for cementing.

Signed *Allen J. Vance*

30 JUL RECD

ENVIRONMENTAL ASSESSMENT

Quintana Petroleum Corporation's Proposed
Wildcat Gas Well in North Hughes Canyon

Lead Agency: USDA Forest Service
Manti-LaSal National Forest
350 East Main Street
Price, Utah 84501

Responsible Official: Reed C. Christensen
Forest Supervisor
Manti-LaSal National Forest

For Further Information Contact: Ira W. Hatch
District Ranger
Price Ranger District
Manti-LaSal National Forest
10 North Carbon Avenue
Price, Utah 84501

Prepared by Walter E. Howrah Date 8/28/80
District Geologist

Approval Recommended by Ira W. Hatch Date 8/28/80
District Ranger

Approval Recommended by William B. Baley Date 9/4/80
Forest Engineer

Approved by Reed C. Christensen Date 9/4/80
Forest Supervisor

I. INTRODUCTION

A. Proposal

Quintana Petroleum Corporation (hereinafter called Quintana) has filed an application for Permit to Drill with the U.S.G.S. on 06/23/80. An on-site inspection of the proposed drill site was conducted by interested parties on 07/22/80. An Interdisciplinary Team field examination was conducted on July 31, 1980. The purpose of these field inspections was to evaluate potential surface resource conflicts that may occur with the proposal and to identify mitigation measures needed to resolve these conflicts.

The application or proposal includes: drilling a wildcat gas well to a depth of 10,200 feet and reconstructing and maintaining an existing pad site and access road on Federal land. It is Quintana's desire to start this project this September and work through the winter to completion.

Because of geologic considerations, Quintana proposes to locate the well site in the SW $\frac{1}{4}$ Sec. 19, T14S, R7E, SLM. This area is located in Emery County approximately twenty-six miles northwest of Huntington, Utah. Access to the area is from State Highway 31 to an existing access road FDR #10035 in North Hughes Canyon. Please refer to the maps and proposal description in the multi-point surface use and operations plan, included as Appendix A to this assessment.

B. Need for a Decision

Receipt of the aforementioned proposal has initiated the need for a management decision to be made by the Forest Service. This decision is necessary to determine whether or not the proposal should be approved; and if approved, under what management requirements. This decision and the decision-making process are documented in this Environmental Assessment.

C. Criteria for Formulation of Alternatives

The Interdisciplinary Team (see section VIII) has developed the following criteria for formulating alternatives:

1. Any alternative must be legally sound and in compliance with all applicable Federal, State and local laws and regulations.
2. Any alternative must be environmentally acceptable and minimize adverse environmental impacts.
3. Any alternative must comply with the management decision of unit A-3 identified in the Ferron-Price Land Management Plan.
4. Any alternative must allow the drilling site to be located as near as possible to the targeted geologic structure thereby conforming to the existing rights of Quintana to explore for and develop oil and gas from their lease.

The following criteria were developed to determine management of existing access:

5. Must meet safety requirements.
6. Must meet standards for design.
7. Must provide alignment at major stream crossings to adequately handle hauling equipment.
8. Must provide for the lowest possible cost of transportation (lowest total for environmental, plus construction, plus maintenance, plus user).

D. Issues, Concerns and Opportunities

Based on the field examination and subsequent discussion, the following issues and concerns were identified by the I.D. team:

1. Soils

- a. Compaction of the pad-site by heavy machinery might reduce the infiltration rate, available rooting depth, and productivity of the replaced topsoil.
- b. Soil might be lost due to erosion if proper preventative measures are not instituted during and after the proposed action takes place.

2. Wildlife and Fish

- a. Possible damage to the riparian and aquatic habitat in North Hughes Creek could occur if excessive amounts of water were allowed to be withdrawn for the drilling operation.
- b. The aquatic habitat in both North Hughes and Huntington Creeks could be adversely affected if excessive amounts of sediment were to enter the creek during reconstruction of the road and pad-site. Further, during drilling operations, there is a potential for chemicals or cuttings to enter North Hughes Creek.

3. Hydrology

- a. A possibility exists that contaminated runoff from the pad-site could enter North Hughes Creek and Huntington Creek during precipitation events.
- b. Contamination of groundwater could occur by seepage from the reserve pit.
- c. The Huntington/Cleveland Irrigation Company might be concerned over the use of allocated water in the Huntington Creek drainage.

- d. Flood hazard to the existing pad and road location during periods of heavy runoff or melt.
- e. Possible reactivation of the slump area upslope of the pad site and subsequent increase in sediment yield.

4. Transportation and Public Safety

- a. Possible damage to a gas line that parallels a section of the access road may occur if road design does not take into account the location and depth of the line.
- b. The access road intersects Highway 31 at a sharp angle that poses a traffic safety hazard.

The following opportunities were also identified:

- 1. Minimize environmental impacts by making use of an existing access road and pad site.
- 2. Improve the existing condition of the pad site through proper reclamation measures.

The I.D. Team did not identify any prime or unique rangelands, wetlands, farmlands or timberlands, floodplains, alluvial valley floors, threatened or endangered plants or animals, nor paleontological values. Archeological clearance was recommended for the project by the Forest Service Zone Archeologist.

II. AFFECTED ENVIRONMENT

A general description of the environment of the project area is contained within the "Land Management Plan, Ferron-Price Planning Unit, Manti-LaSal National Forest" and the "Final Environmental Statement: Ferron-Price Planning Unit, Manti-LaSal National Forest." A more specific description of the environment affected by the proposed action is discussed below.

A. Soils

The soils on the existing pad site are deep (greater than forty inches) sandy loams which have been mixed and compacted by past drilling activities. Since topsoils are absent due to mixing; rooting depth and organic matter content were used to determine how much soil should be removed to be stockpiled for revegetation purposes. The upper ten inches of the soil contain the major portion of roots and organic matter.

B. Wildlife and Fish

The riparian zone along North Hughes Creek is limited due to its history of flooding, and yet is improving and is of significant value. North Hughes is undoubtedly contributing considerable forage in the form of macro-invertebrates for the fish in Huntington Creek. Huntington Creek is the highest value fishing stream on the Manti-LaSal National Forest and the section near the project area has been designated as fly-fishing only.

C. Hydrology

This location is within the watershed of the North Hughes tributary of Huntington Creek. Huntington Creek is tributary through the San Rafael and Green Rivers to the Colorado River.

The North Hughes watershed is a small (1,500 acres) steep (drops 2,142 feet) drainage. The lower reaches have been modified by roads and drilling. The upper reaches have been modified by overgrazing, which probably triggered the accelerated erosion and gullying which is present. The gully network makes an efficient drainage system. The steep slopes make the drainage quick. The streams respond flashily to rainstorms.

The pad site is located on fill material which is susceptible to infiltration.

D. Transportation and Public Safety

The project area is accessed from Forest Highway 7 (State Highway 31) by Forest Development Road 50035. The drill pad is approximately 1.2 miles along this road from the Highway and was constructed originally with ditch using native (soil) surfacing to a 15 foot width. The ditch section is on the left shoulder of the road going up to the pad site. A portion of this left shoulder is underlain by a natural gas pipeline. The road grade is under 8% except for short pitches. The curve radius exceeds 55 feet except for the crossing of left fork of North Hughes Creek.

The road was originally constructed for access to the gas line and later extended to the existing drill pad. This road serves no other major resource, although it is probably used by hunters. No need for further extension of the transportation system is foreseen in this drainage.

III. EVALUATION CRITERIA

Since only one viable alternative meets the formulation criteria, there is no need for Evaluation Criteria.

IV. ALTERNATIVES

A. Alternatives Considered But Not Meeting Formulation Criteria

1. No Action - did not meet criteria 1 and 4.
2. Relocate the drill site - did not meet criteria 1, 2, 3, 4, and 8.
3. Allow the proposal without road improvement - did not meet criteria 1, 2, 5, 6, 7, and 8.
4. Allow the proposal and upgrade the road to a two lane subgrade - did not meet criteria 2, 6, and 8.
5. The proposed action without any management requirements - did not meet criteria 1, 2, 3, 5, 6, 7, and 8.

B. Alternative Considered Viable Under the Formulation Criteria

The single alternative considered viable was Quintana's proposed drill site and the use of FDR 50035 with upgrading to provide an adequate design standard for the intended use with protection of all resources, safety, and road stability incorporated into the management requirements. The following are those management requirements, constraints and mitigation measures:

Pad Site

1. The upper 10 inches of the soil must be removed and stockpiled. The stockpiled "topsoil" should be seeded to prevent erosion and protected from contamination.
2. The cut slope shall not exceed 1½:1 except along the north limits of grading where the ledges will hold the slope. The fill slopes shall not exceed 1½:1. All fills will approximate original contours and will be compacted to 95% of AASHTO T-99.
3. The working surface of the drill site will be surfaced with crushed gravel to a 12 inch depth.
4. A diversion ditch having the minimum dimensions of three feet horizontal and one foot vertical will be constructed above the site from the drainage on the west to the right fork of North Hughes Creek. Use of the existing ditch should be made as much as possible. The last hundred feet on the east may require lining or drop structures because of grade.
5. The natural drainage to the west of the site has potential for heavy flows. The existing culvert should be relaid under the road and a high flow dip constructed. The dip should incorporate a berm 2.5 feet high and 5 feet top width to prevent flash flow from leaving the channel and flooding the pad area. This berm should be along the west side between the pad site and channel.

6. A berm will be constructed around the pad perimeter to contain all precipitation, spills and other fluids from leaving the site. The berm will be 18 inches high and have a 12 inch top width. The site will be graded to drain to the reserve pits.
7. The plan is to construct the reserve pit in cut without embankments. Any change will require Forest Service approval. Because of the potential danger to the North Hughes Drainage and also the Huntington Creek the reserve pit will be lined with a non-permeable, mechanical liner. The reserve pit, as proposed, has vertical walls. The pit design will require modification for stable slopes and to retain the liner in place.
8. At completion of drilling the dry material may remain in the pit.
9. At completion of drilling, all cuts and fill slopes and other disturbed areas not needed for production (if achieved) will be topsoiled and revegetated. The berm will also be removed and the site graded to drain.
10. If the site does not go to production, it will be restored as follows after drilling operations are completed:
 - a. Remove the gravel to natural material and scarify the material.
 - b. Redistribute the "topsoil". Backfill the pit area to approximate original slope contours.
 - c. Fertilize and drill seed the area with the following seed mixture:
 - $\frac{1}{2}$ lb/acre - Yellow sweet clover (*Melilotus officinalis*)
 - $\frac{1}{2}$ lb/acre - Alfalfa ladak (*Medicago sativa*)
 - 2 lbs/acre - Birch leaf mahogany (*Cercocarpus montanus*)
 - $\frac{1}{2}$ lb/acre - White Dutch clover (*Trifolium spp.*)
 - 1 lb/acre - Smooth Brome (*Bromus inermis*)
11. Construction of the drill site is not authorized until the final design has been approved by the Forest Service.
12. A warning system will be established to immediately notify the Forest Service of any spill or other pollutant that reaches live water.
13. The operators will be required to keep all materials at least 10 feet above the bottom of the channel that flows near the drill site.
14. A flow of one cubic foot of water per second (1₁CFS) must be maintained in North Hughes Creek. It is not anticipated that the Creek's flow will exceed this during the operators activities (fall/winter) and so water must be acquired from some other source during this period.

Access Road

1. The road will be constructed to a 16 foot surfaced top width. A ditch section will be cleaned to a 1 foot below and 3 feet width from subgrade to ditch line. Area requiring roadway excavation or embankment will have cut slopes not to exceed $1\frac{1}{2}:1$ and fill slopes not to exceed $1\frac{1}{2}:1$. The subgrade will be stabilized with crushed aggregate. The geotechnical data and traffic data used to determine the surfacing depth will be submitted to the Forest Service for approval prior to construction. The pavement design will be determined by or under the direction of a registered professional engineer. Roadway embankments will be compacted to 95% of AASHTO T-99.
2. No changes in the road construction design, or in the permit can be made without the written approval of the Forest Service.
3. A Road Use Permit will be issued to authorize reconstruction and use of the Forest Development Road. This permit will be secured after all construction plans have been approved.
4. The North Hughes Creek crossing will need embankment and excavation work to provide adequate turning radius (55' min.). The size, placement and condition of the culvert and drainage way should be reviewed to determine if the size is adequate and if the alignment should be improved in the drainageway. The condition of the culvert should also be reviewed. The culvert should be sized to handle the ten year discharge at $HW/D=1$ and the fifty year discharge at the $HW/D=AHW$. The culvert will require either extension or replacement. Because of the cutting at the outlet and the condition of the culvert it is recommended the culvert be replaced.
5. Additional turnouts should be incorporated in the reshaping and refinishing of the roadway. The turnouts should be delineated and the subgrade reinforced to the same standard of the road.
6. Additional culverts should be designed to collect and disperse the water from the roadway ditch onto natural ground. The minimum size cross drain is 18 inches in diameter.
7. Traffic to the site shall not turn into the site from the north-bound lane but shall proceed to a turnaround near Valentine's Gulch. Traffic from the site shall not turn on the Southbound lane of Forest Highway 7 but proceed to a turnaround near Valentine's Gulch. Forest Development Road 50035 will be signed to prohibit left turns. Signing as required and recommended by the Utah Department of Transportation will be provided and placed by the drilling company.

8. Structures to retain slumps will be submitted for approval of the Forest Service.
9. Quintana will provide a site plan for the turnaround showing horizontal alignment, new areas of improvement, material sources, protection of Valentine's Gulch diversion ditch. Cut slopes on the east side of the turnaround will conform to existing contours.

General

1. Quintana must make arrangements with the Huntington-Cleveland Irrigation Company to use water from North Hughes or Huntington Creeks for their operation. Confirmation of this agreement must be furnished to the Forest Service prior to any use of water from these sources.
2. If any significant archeological or paleontological artifacts are encountered during construction, the Forest officer in charge must be notified and operations in the vicinity of discovery must immediately cease until the proper action has been taken.
3. All trash, wastes, salts, chemicals, sewage, noxious spoils and substances, flammable wastes and other dangerous or harmful materials must be removed from the Forest and disposed of properly.
4. If liquid from reserve pits is in danger of overflowing, remove the excess liquid until a safe level is reached.
5. If leakage is discovered outside of the pit, correct the problem as soon as possible.
6. Some specific on-site decisions will need to be made between Quintana and the Forest Officer in charge during reclamation.
7. No changes in the road or pad construction design, or in the permit can be made without written approval of the Forest Supervisor.
8. In the event of a discovery and producing well, a separate surface use and operation plan will be required covering any additional facilities.

V. EFFECTS OF IMPLEMENTATION

All identified issues and concerns can be mitigated to an acceptable level as a result of implementing the management requirements. This environmental assessment is contingent upon approval of final designs and plans.

VI. EVALUATION OF ALTERNATIVES

Since there is only one viable alternative, no evaluation is necessary.

VII. IDENTIFICATION OF FOREST SERVICE PREFERRED ALTERNATIVE

The proposal, with the affixed management requirements, is environmentally acceptable and is preferred. After reclamation the condition of the site will actually be improved.

VIII. INTERDISCIPLINARY TEAM AND CONSULTATION WITH OTHERS

I.D. Team

Brent Barney - Construction Engineer - USFS - SO
 Bill Boley - Forest Engineer - USFS - SO
 Lee Foster - Forest Planner - USFS - SO
 Ira W. Hatch - District Ranger - USFS - PRD
 Jim Iaquina - Soil Scientist - USFS - SO
 Dennis Kelly - Forest Hydrologist - USFS - SO
 Walt Nowak - I.D. Team Leader, District Geologist - USFS - PRD
 Steve Robison - Geologist - USFS - SO
 Judy Rose - Zone Archeologist - USFS
 Bob Thompson - Range Conservationist - USFS - SO
 Don Ward - Forest Biologist - USFS - SO

Others

George Diwachak - Environmental Scientist - USGS
 Leonard Heeney - Consultant - Ross Construction Co.
 Mike McKenzie - Quintana Representative
 Bill Spires - Consultant - Arrow Operating Co.
 Gene Stewart - Engineer - Uinta Engineering and Land Surveying

References

1. USDA Forest Service, 1979, "Land Management Plan, Ferron-Price Planning Unit, Manti-LaSal National Forest."
2. USDA Forest Service, 1979, "Final Environmental Statement: Ferron-Price Planning Unit, Manti-LaSal National Forest."

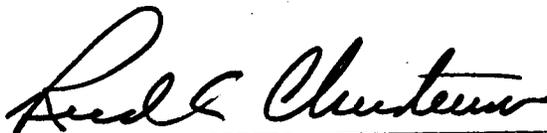
FINDING OF NO SIGNIFICANT IMPACT

An environmental assessment that discusses the proposed Quintana Wildcat Gas Well in North Hughes Canyon is available for public review at the Price Ranger District Office, 10 North Carbon Avenue, Price, Utah 84501.

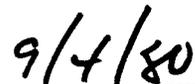
In accordance with the National Environmental Policy Act of 1969, a determination has been made through the Environmental Assessment Process that the preferred alternative will not create any significant adverse impacts on the quality of the environment. Therefore, an Environmental Statement will not be required.

This determination was based on consideration of a number of factors discussed in greater detail in the Environmental Assessment. The primary considerations are as follows:

1. The proposed project will be conducted on an already disturbed pad site and access road.
2. The proposed wildcat drilling project can be conducted within the management directives and guidelines specified in the Ferron-Price Land Management Plan.
3. Application of the management requirements discussed under the Forest Service Preferred Alternative will eliminate any significant residual adverse impacts resulting from the proposed project.



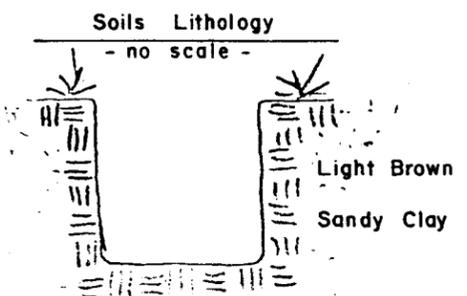
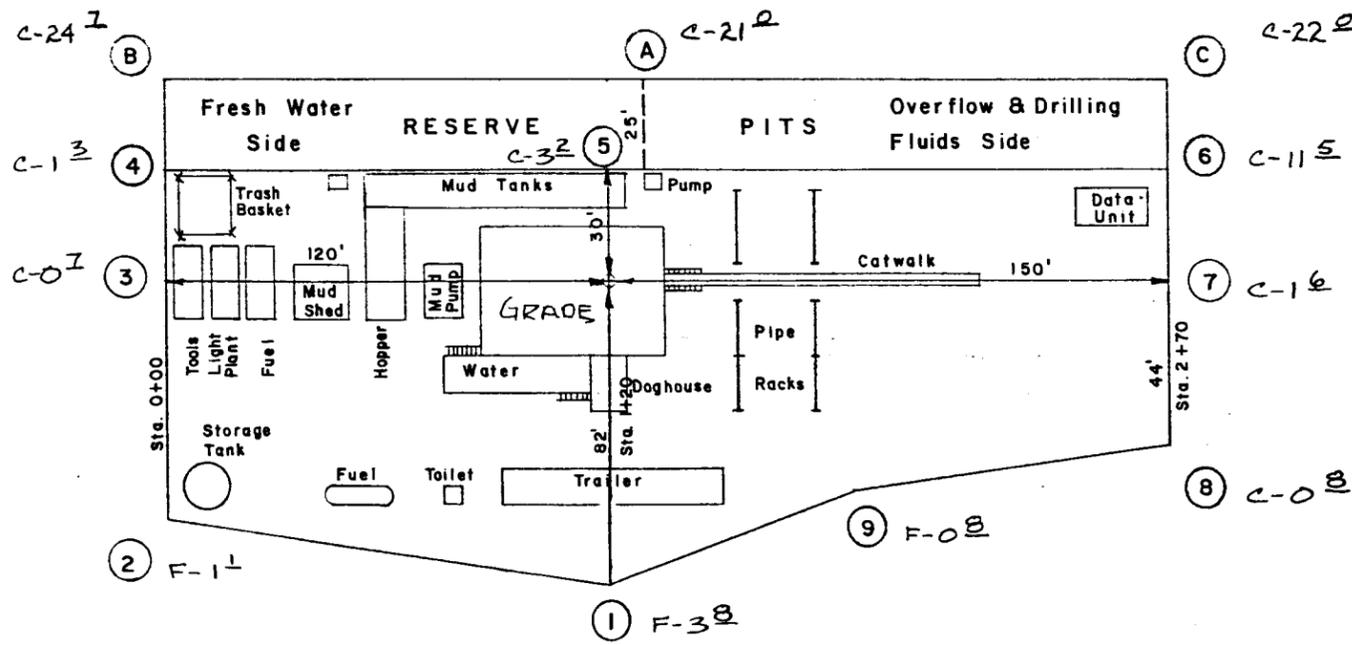
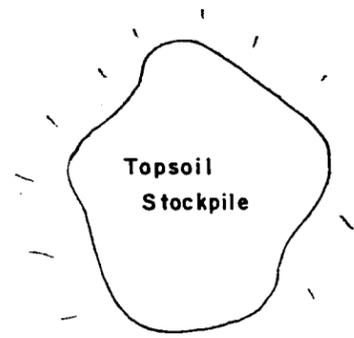
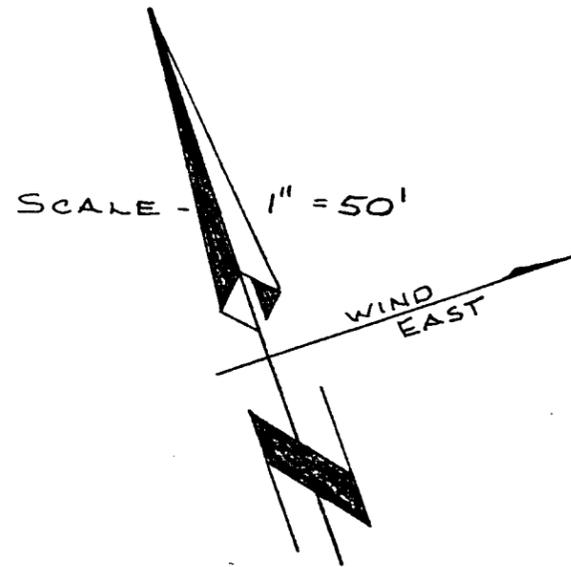
Forest Supervisor



Date

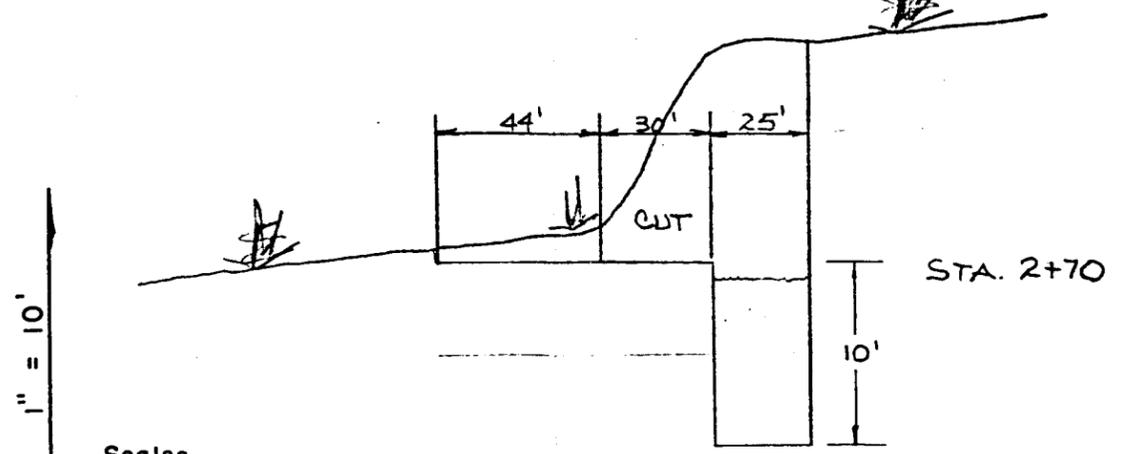
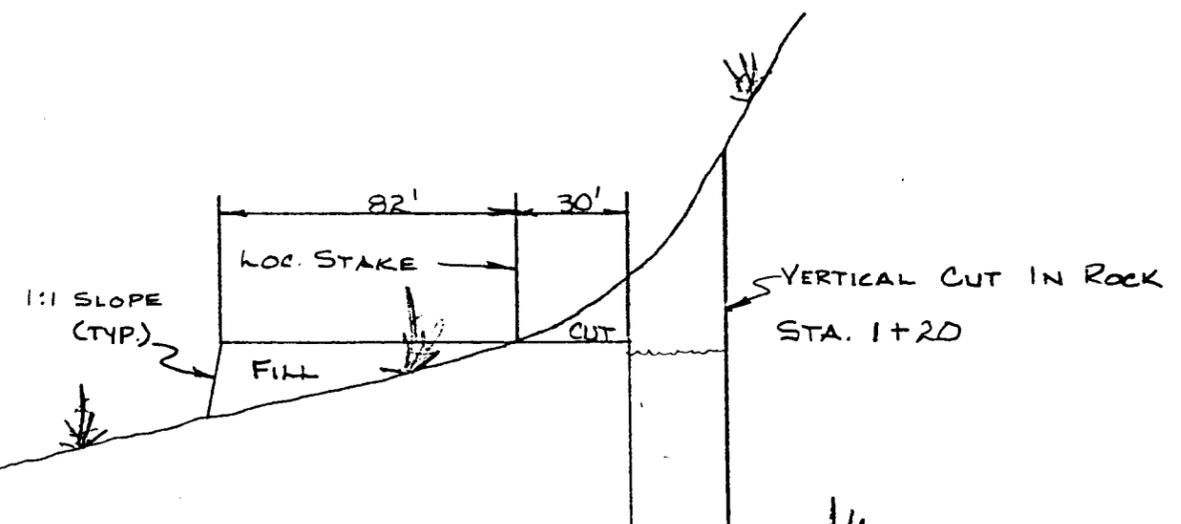
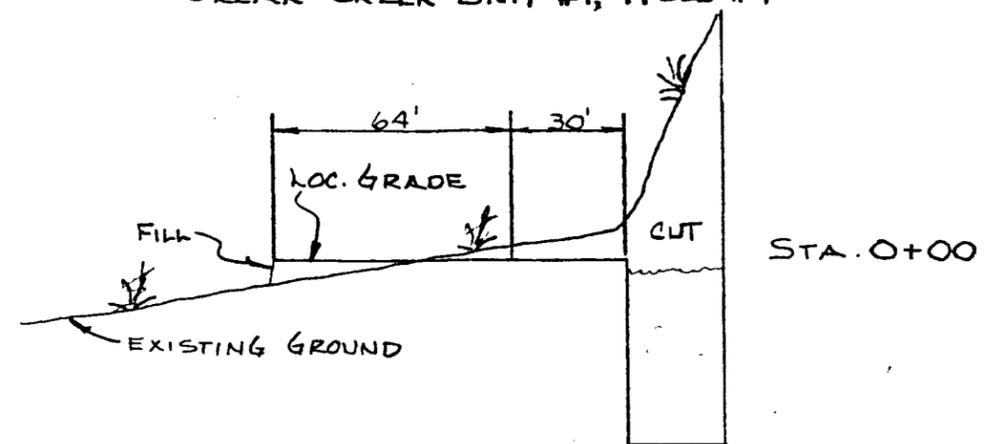
QUINTANA PETROLEUM CORP.

CLEAR CREEK UNIT #1, WELL #1



C
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N
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Scales

1" = 50'

APPROXIMATE YARDAGES

Cubic Yards of Cut - 5,628

Cubic Yards of Fill - 879

QUINTANA PETROLEUM CORP.

CLEAR CREEK UNIT #1

PROPOSED LOCATION

TOPO.

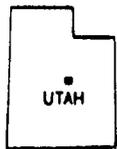
MAP "B"



SCALE: 1" = 2000'

ROAD CLASSIFICATION

- Heavy-duty Light-duty
- Medium-duty Unimproved dirt
- U.S. Route State Route



QUADRANGLE LOCATION

WATER SOURCE

1.2 MI.

PROPOSED LOCATION
CLEAR CREEK UNIT #1
WELL # 1

30

29

28

19

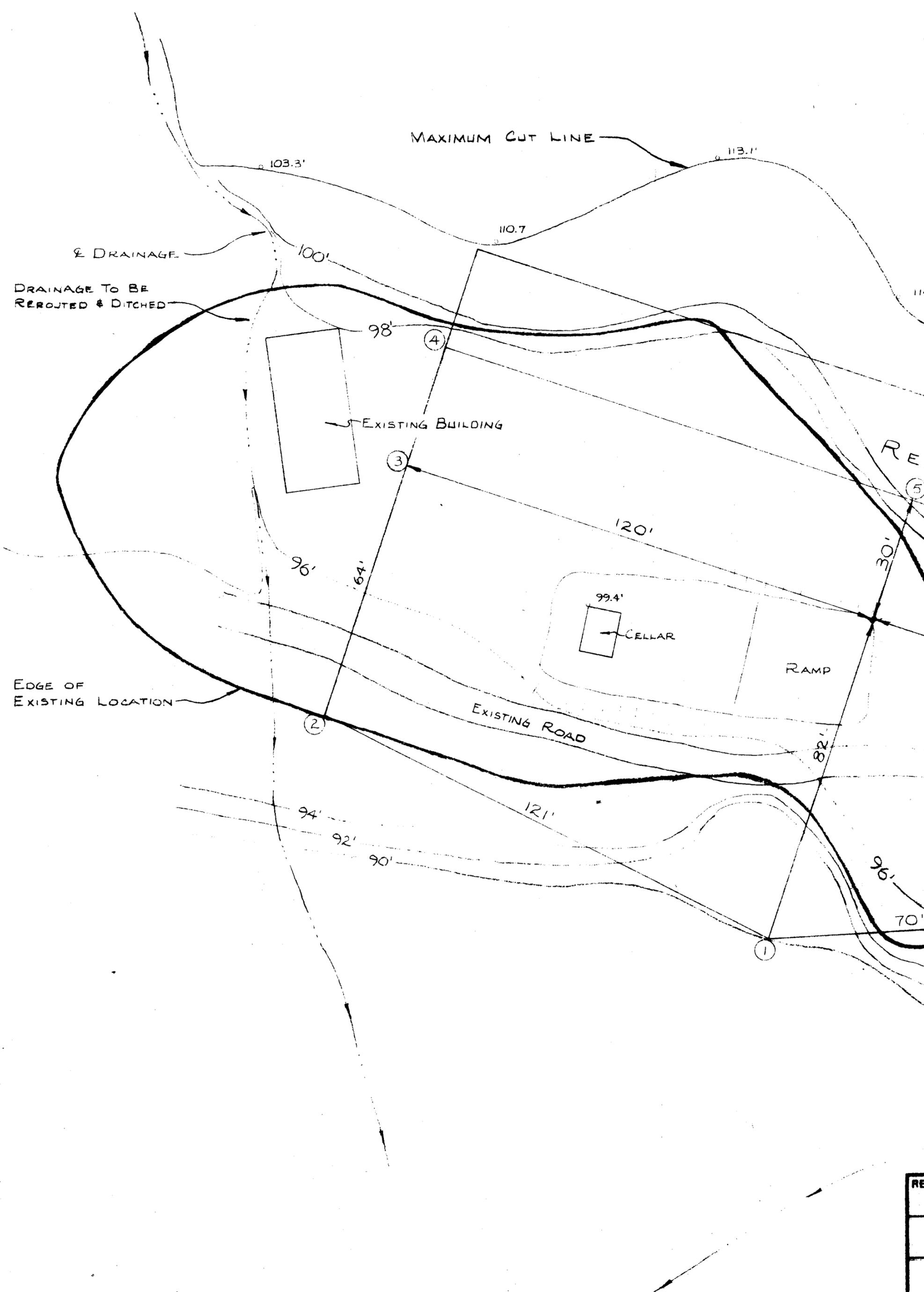
20

21

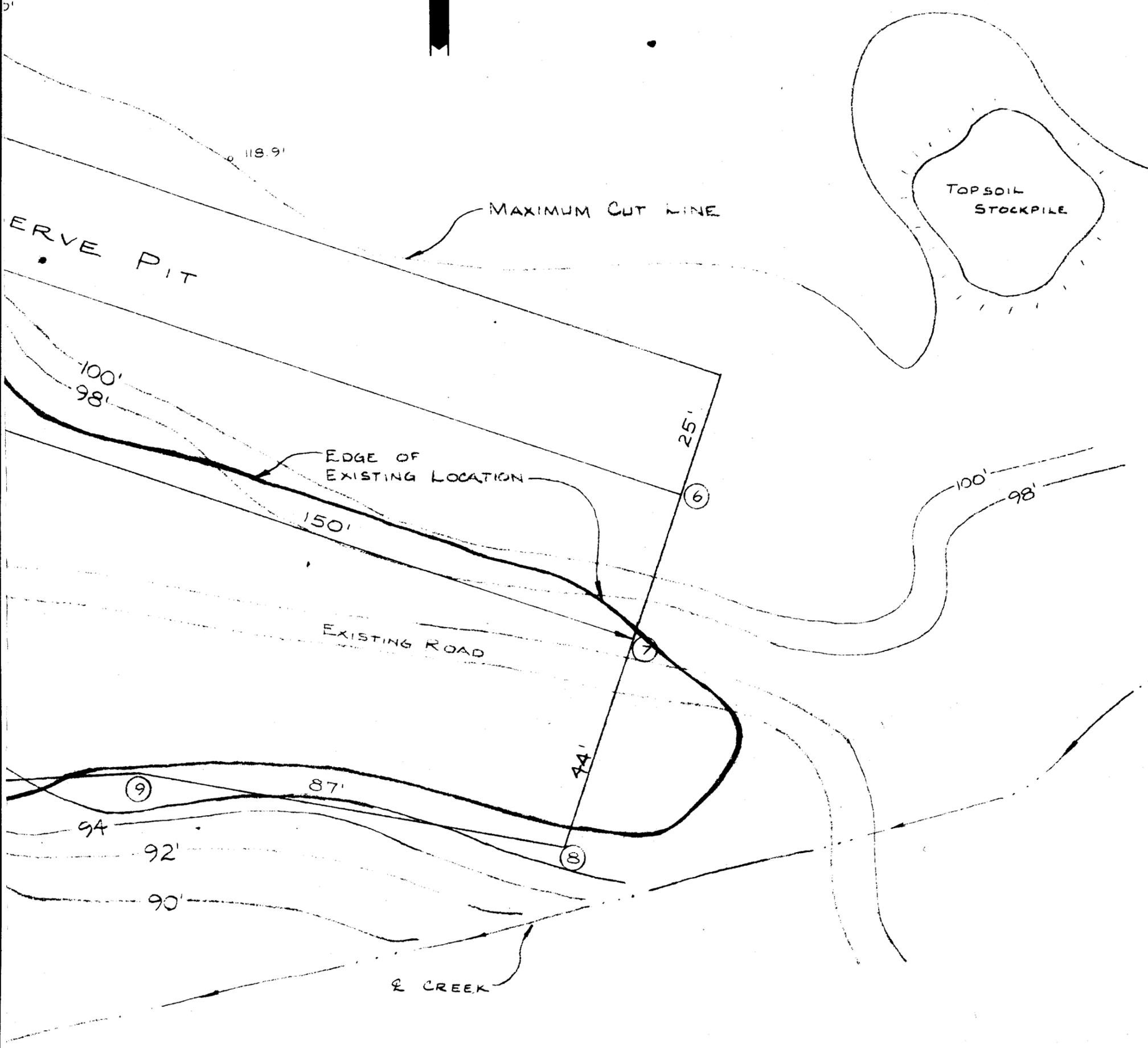
18

17

16



REV



IONS

QUINTANA PETROLEUM CORP.

CLEAR CREEK UNIT #1 WELL #1

LOCATED IN SECTION #9, T14S, R7E, S.L.B. # M.

EMERY / CARBON COUNTIES, UTAH

Uintah Engineers & Land Surveying

DRAWER G PHONE 789-1017
110 EAST 1000 SOUTH
VERMILION, UTAH 84078

SCALE 1" = 20'

DRAWN RKP

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

Lease No. U-01740
Communitization Agreement No. NA
Field Name Clear Creek Area
Unit Name Clear Creek Unit # 1 Well No. 1
Participating Area _____
County Emery State Utah
Operator Quintana Petroleum Corporation
 Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of December, 1980

(See Reverse of Form for Instructions)

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

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
1	Sec. 19 NE 1/4 SW 1/4	14S	7E	Drg	None				Spudded on 12-6-80 Drilled to 1257' on 12-24-80. Shut down for Holidays. Drilled to 2123' on 12-31-80.

*If none, so state.

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

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month	None	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Produced	"	None	None
*Sold	"	"	XXXXXXXXXXXXXXXXXX
*Spilled or Lost	"	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXX	"	XXXXXXXXXXXXXXXXXX
*Used on Lease	"	"	XXXXXXXXXXXXXXXXXX
*Injected	"	"	"
*Surface Pits	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	"
*Other (Identify)	"	"	"
*On hand, End of Month	"	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	"	"	XXXXXXXXXXXXXXXXXX
Authorized Signature: <u>Heidi O'Reilly</u>	Address: <u>P.O. Box 280</u>	<u>Refugio, Texas 78377</u>	
Title: <u>Clerk</u>	Page <u>1</u> of <u>1</u>		

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

(FORM 9-329)
(2/76)
OMB 42-RO 356

MONTHLY REPORT
OF
OPERATIONS

Lease No. U-01740
Communitization Agreement No. NA
Field Name Clear Creek Area
Unit Name Clear Creek Unit # 1 Well No. 1
Participating Area _____
County Emery State Utah
Operator Quintana Petroleum Corporation
 Amended Report

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

(See Reverse of Form for Instructions)

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

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
1	Sec 19 NE 1/4 SW 1/4	14S	7E	Waiting on Rig	None				Prepared location Drilled 30" hole to 100'. Set 100 with 20" conducto casing. Now wait on Drilling Rig.

RECEIVED
JAN 5 1981
DIVISION OF
OIL, GAS & MINING

*If none, so state.

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

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

Authorized Signature: Heidi O'Riley Address: P.O. Box 280 Refugio, Texas 78377
Title: Clerk Page 1 of 1

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

MONTHLY REPORT
OF
OPERATIONS

Lease No. U-01740
Communitization Agreement No. NA
Field Name Clear Creek Area
Unit Name Clear Creek Unit 1 Well No. 1
Participating Area _____
County Emery State Utah
Operator Quintana Petroleum Corporation
 Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of January, 19 81

(See Reverse of Form for Instructions)

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

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
1	Sec. 19 NE 1/4 SW 1/4	14S	7E	Drig.	None				Commenced drilling after the Christmas Holiday. Drilled to a dept of 6300' as of 1-30-81. <i>APP Spud</i>

RECEIVED
FEB 5 1981
DIVISION OF
OIL, GAS & MINING

*If none, so state.

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

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

Authorized Signature: *Deidi O'Reilly* Address: P.O. Box 280 Refugio, Texas 78377
Title: Clerk Page 1 of 1

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

MONTHLY REPORT
OF
OPERATIONS

Lease No. U-01740
Communitization Agreement No. NA
Field Name Clear Creek Area
Unit Name Clear Creek Unit 1 Well No.1
Participating Area _____
County Emery State Utah
Operator Quintana Petroleum Corporation
 Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of February, 19 81

(See Reverse of Form for Instructions)

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

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
1	Sec. 19 NE 1/4 SW 1/4	14S	7E	Dr'lg.	None	----	----	----	Drilled to a total depth of 6345'. Pulled out of hole. Went back into hole to log well and hit bridge. Unable to keep hole open below 4980'. Set 9 5/8" casing at 4999'. Washed and reamed well to 6345' and then commenced drilling ahead to a total depth of 6495'.

RECEIVED
MAR 2 1981
DIVISION OF
OIL, GAS & MINING

*If none, so state.

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

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

Authorized Signature: Deidi O-Kelly Address: P.O. Box 280 Refugio, Texas 78377
Title: Clerk Page _____ of _____

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

MONTHLY REPORT
OF
OPERATIONS

Lease No. U-01740
Communitization Agreement No. NA
Field Name Clear Creek Area
Unit Name Clear Creek Unite 1 Well No. 1
Participating Area _____
County Emery State Utah
Operator Quintana Petroleum Corporation
 Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of March, 19 81

(See Reverse of Form for Instructions)

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

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
1	Sec. 19 NE 1/4 SW 1/4	14 S	7E	Dr'g.	NONE	- - -	- - -	- - -	Drilled to 9360'. Ran Dual Induction Log from 9358' to 4998'. Ran Frac Finder Log (Dipmeter) from 9357' to 8450'. Ran Compensated Neutron Log/Density from 9358' to 6340' and inside 9 5/8" csg. from 4995' to 416'. Went in hole with bit for condition trip. Had 5' fill on bottom. No bridges. Circulated and conditioned mud. Pulled out of hole to Run 7" liner.

RECEIVED
APR 3 1981
DIVISION OF
OIL, GAS & MINING

*If none, so state.

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

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

Authorized Signature: Butcher Bantot Address: P.O. Box 280, Refugio, Texas 78377
Title: Clerk Page 1 of 1

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

5. LEASE DESIGNATION AND SERIAL NO.
dated July 1, 1951
U.S.A. No. U-01740

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
NA

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

7. UNIT AGREEMENT NAME
Clear Creek

2. NAME OF OPERATOR
Quintana Petroleum Corporation

8. FARM OR LEASE NAME
Clear Creek Unit #1

3. ADDRESS OF OPERATOR
P.O. Box 280, Refugio, Texas 78377

9. WELL NO.
1

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

10. FIELD AND POOL, OR WILDCAT
Clear Creek

1799' FWL 1188' FSL S19 T14S R7E S.L.B. & M.

11. SEC., T., S., M., OR BLK. AND SUBVY OR ABBA
S19 T14S R7E

14. PERMIT NO.
43-007-30053

15. ELEVATIONS (Show whether DF, RT, OR, etc.)
8500 GL

12. COUNTY OR PARISH | 18. STATE
Emery/Carbon | 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"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input checked="" type="checkbox"/>
(Other)			

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

It was originally proposed to drill below the 7" liner set at 9366' with air to evaluate the Navajo. However, when the liner was blown dry with air, a pipe failure occurred at 9228' on 4/7/81. The split casing was squeezed cemented with 200 sacks Class H cement. The squeeze was drilled out, and pressure tested to 1000 psi. The well was then drilled to 9401' with mud. A DST test was performed on the open hole 9355' - 9401' with no fluid entry occurring. It was then attempted to drill deeper, but the 7" liner collapsed at 9228' for the second time.

Quintana Petroleum Corporation then released Jacobs Rigs No. 3 on 4/18/81. Quintana Petroleum Corporation now plans to move in a CRC completion rig to repair the 7" liner and drill deeper to a projected Total Depth of 10,000'.

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

DATE: 5-1-81
BY: [Signature]

APR 27 1981

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

SIGNED [Signature] TITLE Clerk

DIVISION OF OIL, GAS, AND MINING
DATE ADMIT 22, 1981

(This space for Federal or State office use)

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

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

MONTHLY REPORT
OF
OPERATIONS

Lease No. U-01740
Communitization Agreement No. NA
Field Name Clear Creek Area
Unit Name Clear Creek Unit 1 Well No. 1
Participating Area _____
County Emery State Utah
Operator Quintana Petroleum Corporation*
 Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of April, 19 81

(See Reverse of Form for Instructions)

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

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
1	Sec. 19 NE 1/4 SW 1/4	14 S	7 E	Drlg.	NONE	- - -	- - -	- - -	See Below:
REMARKS									
<p>Ran 112 joints of 7" 26.0# N-80 AB FL-4S liner. Hung top at 4714' and bottom at 9366'. Cemented with Type "H" cement, had full returns throughout. Went into hole with RTTS, set at 4566', cemented with Class "H" cement. Drilled cement from 9295' to landing collar at 9320'. Drilled landing collar and 13' of cement to 9333', bit plugged. Pipe rams tested but would not open. Repaired the ram pipes, went into hole, could not break circulation. Loaded hole with water. A DST test was performed on the open hole at 9355'-9401' with no fluid occurring. It was then attempted to drill deeper, but the 7" liner collapsed at 9228' for the second time. Went into hole open-ended to further evaluate deformed casing. Finished in hole open-ended to 9189'. Tagged cement, circulation clean. Converted to polymer mud system. Went into hole with Halliburton test tool to tight place in casing at 9228'. Could not go through. Pulled up to 9108', set packer. Went into hole with bit and 4 1/16" OD boot basket. Could not get past collapsed casing at 9228'. Plan to release drilling rig and move in completion rig to attempt to re-open casing at 9228' and drill below 9400' to finish evaluation of Nugget Sand. Released rig on 4/18/81. Cleaned location. Report suspended until operations resume.</p>									

*If none, so state.

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

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

Authorized Signature: Heckler Baerhart Address: P.O. Box 280, Refugio, Texas 78377
Title: Railroad Commission Clerk Page 1 of 1

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

(FORM 9-329)
(2/76)
OMB 42-RO 356

MONTHLY REPORT
OF
OPERATIONS

Lease No. U-01748
Communitization Agreement No. NA
Field Name Clear Creek Area
Unit Name Clear Creek Unit 1 Well No. 1
Participating Area _____
County Emery State Utah
Operator Quintana Petroleum Corporation
 Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of May, 19 81

(See Reverse of Form for Instructions)

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

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
1	Sec. 19, NE 1/4, SW 1/4	14S	7E	Drig.		NONE	- - -	- - -	Waiting to move in CRC Colorado Well, Inc. Rig. Finished rigging up rig on 5/26/81, now nipping up blow out preventors. Started in hole with 4 3/4 bit, 6 41/8" drill collar, jars and 3000' of 3 1/2" drill pipe. Circulated and conditioned mud. Tagged btm. at 9385'. 5/31/81 circulated and conditioned mud, & pulled out of hole

*If none, so state.

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

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

Authorized Signature: Stitch Bantart Address: P.O. Box 280, Refugio, Texas 78377
Title: Railroad Commission Clerk Page 1 of 1

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

OMB 42-RO 355

MONTHLY REPORT

OPERATIONS

Lease No. U-01740
Communitization Agreement No. NA
Field Name Clear Creek Area
Unit Name Clear Creek Unit 1, Well No. 1
Participating Area _____
County Emery State Utah
Operator Quintana Petroleum Corporation
 Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of June, 1981.

(See Reverse of Form for Instructions)

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

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
1	Sec. 19 NE 1/4 SW 1/4	14S	7E	Drlg.	NONE	-0-	-0-	-0-	See Below
<p>June 1, 1981, ran GR/N from 9210' to 4650'. Ran CBL from 9210'-8400' and 5200' to 4650'. Ran Minimum ID log from 9330'-4705'. Laid down 3 1/2" drill pipe on 6/5/81. June 14, 1981, rigged up casing crew. Went into hole with 5" liner to 6068'. Ran 43 joints of 5" 18# N-80 AB FL 45 Liner. Setting depth at 9386.92', top at 7656.70'. Circulated and conditioned. Cemented with 170 sacks of Class "H" with 1% HR-5, had full returns. Removed cement head and 1 joint of drill pipe. Hole was full. On June 16, 1981 rigged up mud gas separator and spool and 6" blooey line. June 17, 1871 rigged up flare, nipped down 10" blowout preventor & spool & D.S.A casinghead spool, 10" psi blowout preventor and hydril. Tested to 5000 psi with testers. Tested manifolds and valves to 5000 psi (hydril to 3000 psi). Tagged top of liner at 7656'. No cement above liner top. Tested top of liner to 1500 psi, okay. June 29, 1981 started into hole with drilling assembly.</p>									

*If none, so state.

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

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

Authorized Signature: Richard Barbo Address: P.O. Box 280, Refugio, Texas
Title: Railroad Commission Clerk Page 1 of 1

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

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.S.A. No. U-01740
2. NAME OF OPERATOR Quintana Petroleum Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME NA
3. ADDRESS OF OPERATOR P.O. Box 280, Refugio, Texas 78377		7. UNIT AGREEMENT NAME Clear Creek
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1799' FWL 1188' FSL Section 19		8. FARM OR LEASE NAME Clear Creek Unit #1
14. PERMIT NO. 43-007-30053	15. ELEVATIONS (Show whether DF, RT, OR, etc.) 8500 Ground Level	9. WELL NO. #1
		10. FIELD AND POOL, OR WILDCAT Clear Creek
		11. SEC., T., R., M., OR BLK. AND SURVEY OR ABBA S19 T14S R7E
		12. COUNTY OR PARISH Elmwood /Carbon
		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"/>	FULL 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) _____	(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.)*

5" liner was set on 6/14/81 from 9386' to 7656' and cemented with 170 sacks of cement. A 4 1/8" hole was then drilled to 9637' with air, at which point salt water was encountered.

It is now proposed to plug back to about 9300' by setting cement retainer at that depth and squeezing 75 sacks of cement below the tool. Expected date of work is 7/20/81.

It is then proposed to perforate the interval 8953' - 8993' and test for production. Expected date of work is 7/22/81.

**APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING**
DATE: 7/21/81
BY: [Signature]

18. I hereby certify that the foregoing is true and correct
SIGNED [Signature] TITLE District Drilling Manager DATE 7/17/81

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
(FORM 9-329)
(2/76)
OMB 42-RO 355

Lease No. NA
Communitization Agreement No. NA
Field Name Clear Creek Area
Unit Name Clear Creek Unit #1 Well #1
Participating Area _____
County Emery State Utah
Operator Quintana Petroleum Corporation
 Amended Report

RECEIVED

MONTHLY REPORT
OF
OPERATIONS

AUG 06 1981

DIVISION OF
OIL, GAS & MINING

The following is a correct report of operations and production (including status of all unplugged wells) for the month of July, 1981.

(See Reverse of Form for Instructions)

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

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
1	Sec. 19 NE 1/4 SW 1/4	14S	7E	Dr1g.	NONE	-0-	-0-	-0-	See attached Drilling Records <i>Long</i>

*If none, so state.

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

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

Authorized Signature: *Arthur Bamhart* Address: P.O. Box 280, Refugio, Texas 78377
Title: Railroad Commission Clerk Page 1 of 5

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

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.0

14

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

5. LEASE DESIGNATION AND SERIAL NO.
U.S.A. No. U-01740

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
NA

7. UNIT AGREEMENT NAME
Clear Creek

8. FARM OR LEASE NAME
Clear Creek Unit #1

9. WELL NO.
#1

10. FIELD AND POOL, OR WILDCAT
Clear Creek

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
S19 T14S R7E

12. COUNTY OR PARISH
Emery, Carbon

13. STATE
Utah

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

b. TYPE OF COMPLETION:
NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR. Other _____

2. NAME OF OPERATOR
Quintana Petroleum Corporation

3. ADDRESS OF OPERATOR
P.O. Box 280, Refugio, Texas 78377

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1799' FWL & 1188' FSL Section 19 *S E S W*
At top prod. interval reported below Same
At total depth Same

14. PERMIT NO. *43-015-30090*
43-007-30053

DATE ISSUED
6/30/80

15. DATE SPUNDED 12/6/81

16. DATE T.D. REACHED 7/14/81

17. DATE COMPLETION (Ready to prod.) P & A, 8/12/81

18. ELEVATIONS (OF, RKB, RT, OR ETC.)* 8500' Ground Level

19. ELEV. CASINGHEAD 8492'

20. TOTAL DEPTH, MD & TVD 9637' - SLM

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

22. IF MULTIPLE COMPL., HOW MANY* No

23. INTERVALS DRILLED BY

ROTARY TOOLS XXXXXX

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
9051-56'; 9060-74'; 9080-88; 9095-9115'; 9121-26'; 9131'-38'; 9140-44'; 9150'-54'; 9161-66'; and 9167-70' of the Carmel Formation

25. WAS DIRECTIONAL SURVEY MADE
No

26. TYPE ELECTRIC AND OTHER LOGS RUN
GR/FDC/CNL; DFL/SFL; GR/N; GR/CBL; FIL

27. WAS WELL CORED
NO

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

CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	54.5#	1101'	17 1/2"	1000 Sacks	NONE
9 5/8"	47.0#	4996.6'	12 1/4"	700 Sacks	NONE

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
7"	4712.54'	9365.82'	200 SXS.	-----

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
-----	-----	-----

31. PERFORATION RECORD (Interval, size and number)
Producing Perfs - See above
Squeezed Perfs - with 4" casing gun; 3902' - 3900' with 135 Sxs. Class "G"; 1990'-92' with 135 sxs. Class "G"; 1040'-42' with 135 sxs Class "G" cement.

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33. PRODUCTION

DATE FIRST PRODUCTION _____

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

FLOW, TURING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)

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

TEST WITNESSED BY _____

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 *Leitch Baerhart* TITLE Railroad Commission Clerk DATE September 14, 1981

*(See Instructions and Spaces for Additional Data on Reverse Side)

Willie F. ...

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

PRINT IN TRIPLICATE*
(Other instructions on reverse side)

J. M. TROTTER

SEP 14 1981

5. LEASE DESIGNATION AND SERIAL NO.	U.S.A. No. U-01740
6. IF INDIAN, ALLOTTEE OR TRIBE NAME	NA
7. UNIT AGREEMENT NAME	Clear Creek
8. FARM OR LEASE NAME	Clear Creek Unit #1
9. WELL NO.	#1
10. FIELD AND POOL, OR WILDCAT	Clear Creek
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA	S19 T14S R7E
12. COUNTY OR PARISH	Emery
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

3. ADDRESS OF OPERATOR
P.O. Box 280, Refugio, Texas 78377

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

1799' FWL 1188' FSL Section 19

14. PERMIT NO.
43-007-30053

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
8500' Ground Level

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

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

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

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

SEE ATTACHED SUBSEQUENT REPORT OF ABANDONMENT.

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

SIGNED *Stephen B. ...* TITLE Railroad Comm. Clerk DATE September 14, 1981

(This space for Federal or State office use)

APPROVED BY *[Signature]* TITLE FOR E. W. GUYNN DISTRICT ENGINEER DATE SEP 17 1981

CONDITIONS OF APPROVAL, IF ANY

Open

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

PRINT IN TRIPLICATE
(See instructions on reverse side)

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

3. ADDRESS OF OPERATOR
P.O. Box 280, Refugio, Texas 78377

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
1799' FWL 1188' FSL Section 19

14. PERMIT NO.
43-007-30053

15. ELEVATIONS (Show whether DF, RT, OR, etc.)
8500' Ground Level

5. LEASE DESIGNATION AND SERIAL NO.
U.S.A. No. U-01740

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
NA

7. UNIT AGREEMENT NAME
Clear Creek

8. FARM OR LEASE NAME
Clear Creek Unit #1

9. WELL NO.
#1

10. FIELD AND POOL, OR WILDCAT
Clear Creek

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
S19 T14S R7E

12. COUNTY OR PARISH
Emery/Carbon

13. STATE
Utah Wyoming

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"/>	FULL 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 checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) <input type="checkbox"/>			

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

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

8/8/81 Went in hole open-ended to 7758'. Mixed 60 sacks of Type "G" and set cement plug with bottom at 7758'. Pulled up to 7398' and reversed out. Pulled 20 joints. Tagged hard cement at 7429'.

8/9/81 Rigged up McCollough. Ran CBL from 4700' to 3350'. Found top of cement at 4426'. Discussed with USGS. Need to perforate at 3900', 2000' and 1050' and squeeze out cement for 200' fill on outside of 9 5/8" casing. Went in hole open ended to 4950'.

8/10/81 Open well. Mixed 80 sacks of Class "N" cement. Spotted cement plug from 4950' to 4550'. Pulled out of hole with mule shoe. Rigged up wireline truck. Ran CCL from 4000' to 1000'. Perforated with 4" casing gun from 3902' to 3900'. Rigged down wireline truck. Went in hole with RTTS tool, set tool at 3494'. Mixed 35 sacks Class "G" cement with 2% CaCl. Pumped 13 bbls. in perforation. Left top of cement at 3700'.

8/11/81 Pressure tested cement plug to 1000 psi. Pulled RTTS tool. Laid down 62 joints. Set RTTS at 1609'. Rigged up wireline truck. Ran 1 9/16" RTG tubing gun. Perforated at 1990' to 92' with 4 shots per foot. Rigged up Howco. Unable to pump in formation with 2500 psi. Pulled out of hole with RTTS. Ran 4" casing gun. Perforated at 1990' - 92' with 4 shots per foot. Went in hole with RTTS. Set tool at 1609'. Mixed 135 sacks Class "G" cement with 2% CaCl. Pumped 60 sacks outside pipe. Left 75 sacks in casing.

8/12/81 Tested cement plug to 1000 psi. Pulled out of hole with RTTS tool laying down 2 3/8" tubing. Rigged up wireline truck. Perforated at 1040'-42' with 4" casing gun. Rigged down wireline. Rigged up Howco. Mixed 135 sacks Class "G" cement with 2% CaCl. Pumped 60 sacks outside of pipe. Left 75 sacks in casing. Pressure tested plug to 1000 psi.

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

SIGNED *Richard Baird* TITLE Railroad Commission Clerk DATE September 14, 1981

(This space for Federal or State office use)

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

Form OGC-1b
State of Utah
Sundry Notices and Reports on Wells

Quintana Petroleum Corporation
Clear Creek Unit #1
Emery/Carbon County, Wyoming

Rigged down Howco. Started rigging down rig and equipment. Removed Blowout preventors. Removed spool. Laid 20' cement plug at surface. All cement plugs approved by USGS.

WELL PLUGGED AND ABANDONED.

QUINTANA PETROLEUM CORPORATION

P. O. BOX 280

REFUGIO, TEXAS 78377

TEXAS DISTRICT
TELEPHONE 512 526-2373

June 5, 1980

TWX 910 876-1477
QUINTANA REF

Clear Creek Unit No. 1
Section 19, T 14 S, R 7 E
Emery County, Utah

DRILLING OPERATIONS PLAN

1. Geological Name of Surface Formation

The surface formation is the Masuk Shale (Cretaceous)

2. Estimated Formation Tops:

	<u>Measured Depth</u>	<u>Subsea</u>
Star Point	30'	+8505
Emery Sandstone	650'	+7885
Blue Gate Shale	2430'	+6105
Ferron Sandstone	4420'	+4115
Dakotas	5278'	+3257
Cedar Mountain	5304'	+3231
Morrison	5900'	+2635
Summerville	6844'	+1691
Curtis	7470'	+1065
Entrada	7650'	+ 885
Navajo	9750'	-1215
Projected TD	10,200'	-1665

3. Estimated Depths of Oil, Gas, Water or Minerals

Oil: Oil is not anticipated

Gas: A small volume of gas should be associated with the Ferron which is productive in this field. Gas production is hoped to be encountered in the Navajo.

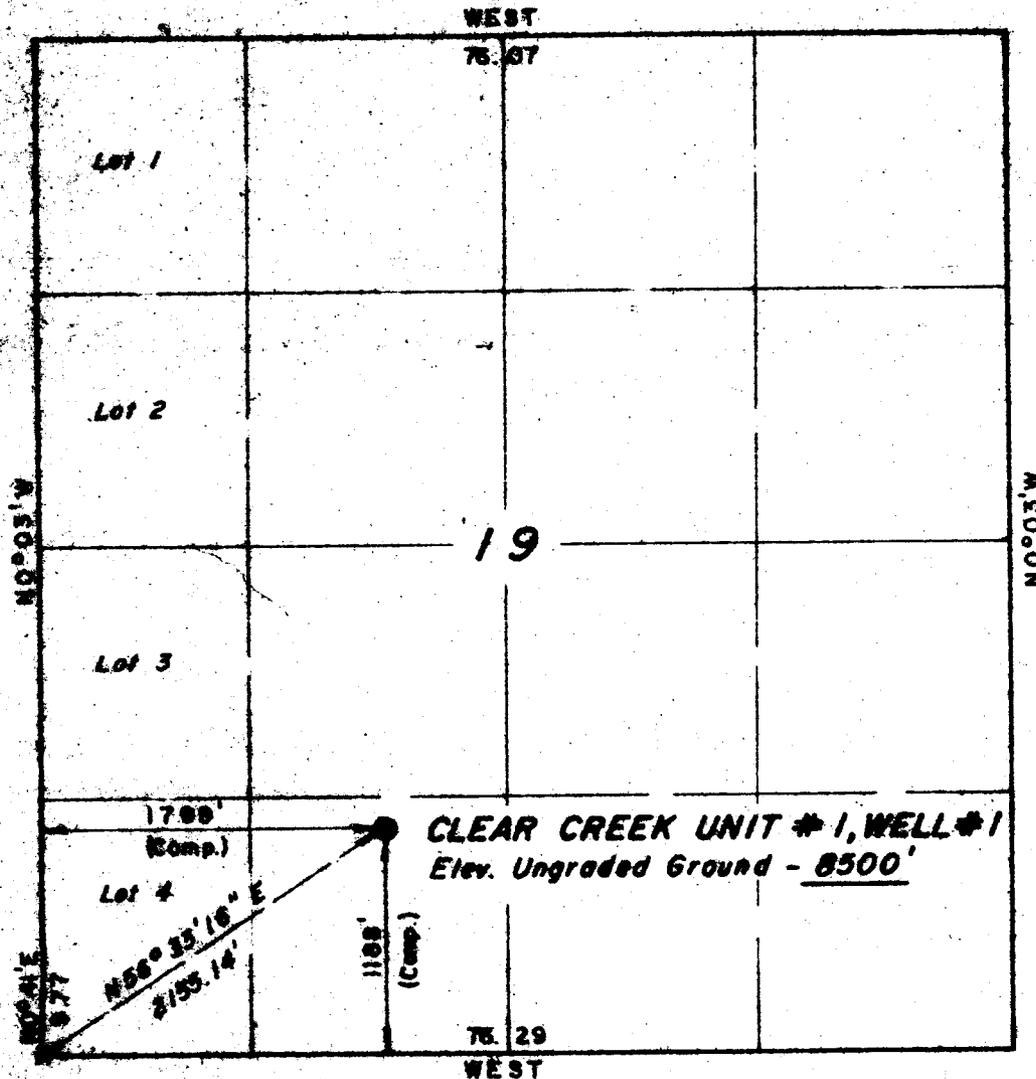
Water: Some fresh water may be encountered in the Star Point. The surface casing will isolate this zone.

Minerals: Some streaks of coal may be encountered in the Star Point and in the Emery Sandstone.

T14S, R7E, S.L.B. & M.

PROJECT
QUINTANA PETROLEUM CORP.

Well location, CLEAR CREEK UNIT #1, WELL #1, located as shown in the SE 1/4 SW 1/4 Section 19, T14S, R7E, S.L.B. & M. Emery County, Utah.



CERTIFICATE

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

James Stewart
 REGISTERED LAND SURVEYOR
 REGISTRATION NO 3154
 STATE OF UTAH

NOTE: Basis of Bearings is from Solar Observations taken of the Sun 5/30/80.

X = Section Corners Located

UINTAH ENGINEERING & LAND SURVEYING
 P. O. BOX 9 - 110 EAST - FIRST SOUTH
 VERNAL, UTAH - 84078

SCALE	1" = 1000'	DATE	6/18/80
PARTY	GS MS RP	REFERENCES	GLO Plat
WEATHER	Fair	FILE	QUINTANA



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon E. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

February 4, 1982

Quintana Petroleum Corporation
P. O. Box 280
Refugio, Texas 78377

Re: Well No. Clear Creek Unit #1
Sec. 19, T. 14S, R. 7E
Carbon County, Utah

Gentlemen:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above mentioned well is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3, in duplicate, and forward them to this office as soon as possible.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

A handwritten signature in cursive script that reads "Cari Furse".

Cari Furse
Clerk Typist

2

QUINTANA PETROLEUM CORPORATION

P. O. BOX 280

REFUGIO, TEXAS 78377

TEXAS DISTRICT
TELEPHONE 512 526-2373

February 10, 1982

TWX 910 876-1477
QUINTANA REF

State of Utah
Natural Resources & Energy
4241 State Office Building
Salt Lake City, Utah 84114

RE: Clear Creek Unit #1
Sec. 19, T. 14S, R.7E
Carbon County, Utah

Dear Ms. Furse:

Attached please find copies of our Plugging and Abandonment Reports for the above captioned well. Quintana Petroleum Corporation plugged Clear Creek Unit #1 on August 12, 1981. Attached also is a copy of your Sundry Notice approved for abandonment by the U.S. Geological Survey dated September 17, 1981.

This should be all that is needed to complete your files. Should additional information be required, please feel free to notify the undersigned.

Very truly yours,

QUINTANA PETROLEUM CORPORATION



Gretchen Barnhart
RRC Clerk

GSB/hs
Attachments

RECEIVED
FEB 16 1982

DIVISION OF
OIL, GAS & MINING



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

March 15, 1982

Quintana Petroleum Corporation
P. O. Box 280
Refugio, Texas 78377

Re: Well No. Clear Creek Unit #1
Sec. 19, T. 14S, R. 7E.
Carbon County, Utah

Gentlemen:

According to our records, a "Well Completion Report" filed with this office September 14, 1981, from above referred to well, indicates the following electric logs were run: GR/FDC/CNL, DFL/SFL, GR/N, GR/CBL-FNL. As of today's date, this office has not received these logs.

Rule C-5, General Rules and Regulations and Rules of Practice and Procedure, requires that a well log shall be filed with the Commission together with a copy of the electric and radioactivity logs.

Your prompt attention to the above will be greatly appreciated.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Cari Furse
Clerk Typist

QUINTANA PETROLEUM CORPORATION

P. O. BOX 280

REFUGIO, TEXAS 78377

TEXAS DISTRICT
TELEPHONE 512 526-2373

TWX 910 876-1477
QUINTANA REF

April 5, 1982

State of Utah
Natural Resources & Energy
Oil, Gas & Mining
4241 State Office Building
Salt Lake City, Utah 84114

RE: Well No. 1, Clear Creek
Sec. 19, T. 14S, R. 7E
Carbon County, Utah

Dear Ms. Furse:

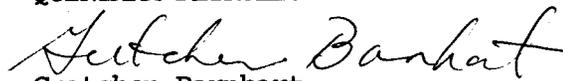
Enclosed are the requested logs for our Clear Creek Unit #1 Well located in Carbon County, Utah. Your letter dated March 15, 1982 requested the following logs:

- 1.) Correlation Gamma-Ray Neutron Log
- 2.) Cement Bond with Nuclear Log
- 3.) Gamma Ray (Bond Cement/Sonic Seismogram Log
- 4.) Dual Induction - SFL
- 5.) Compensated Neutron-Formation Density

This should be all that is required to complete your files. Should you have any questions please feel free to contact me.

Very truly yours,

QUINTANA PETROLEUM CORPORATION


Gretchen Barnhart
Clerk

GSB/hs
Logs

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

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 checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. U-01740
2. NAME OF OPERATOR QUINTANA PETROLEUM CORPORATION		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P.O. Box 280, Refugio, Texas 78377		7. UNIT AGREEMENT NAME CLEAR CREEK
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1188 FSL & 1799 FWL		8. FARM OR LEASE NAME CLEAR CREEK UNIT # 1
14. PERMIT NO. 43-015-30090 (NEW)		9. WELL NO. # 1
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 8500 GROUND		10. FIELD AND POOL, OR WILDCAT CLEAR CREEK
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec.19, T. 14S R. 7E
TEST WATER SHUT-OFF <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> SHOOT OR ACIDIZE <input type="checkbox"/> REPAIR WELL <input type="checkbox"/> (Other) <input type="checkbox"/>	NOTICE OF INTENTION TO: PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPLETE <input type="checkbox"/> ABANDON* <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/>	SUBSEQUENT REPORT OF: WATER SHUT-OFF <input type="checkbox"/> FRACTURE TREATMENT <input type="checkbox"/> SHOOTING OR ACIDIZING <input type="checkbox"/> (Other) <u>ADMINISTRATIVE CORRECTION</u> <input type="checkbox"/> (NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*		12. COUNTY OR PARISH EMERY
THIS IS AN ADMINISTRATIVE CORRECTION BY THE DIVISION OF OIL, GAS & MINING. THE COUNTY IS AN ERROR IT WAS CARBON COUNTY, BUT THE CORRECTION WAS MADE TO EMERY COUNTY. THE API NUMBER WAS A CARBON NUMBER, (43-007-30053), NOW BECAUSE OF THE CHANGE IN COUNTIES THE API NUMBER IS AN EMERY NUMBER (43-015-30090).		13. STATE UTAH

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

SIGNED SANDY BATES TITLE WELL RECORDS DATE 2-10-83

(This space for Federal or State office use)

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