

FILE NOTATIONS

Entered in NID File
Entered On 5 R-Sheet _____
Location Map Pinned _____
Card Indexed
IWR for State or Fee Land _____

Checked by Chief _____
Copy NID to Field Office _____
Approval Letter _____
Disapproval Letter _____

COMPLETION DATA:

Date Well Completed 4/19/77
OW _____ WW _____ TA _____
GW _____ OS _____ PA

Location Inspected _____
Bond released _____
State of Fee Land _____

LOGS FILED

Driller's Log
Electric Logs (No.)

E _____ I _____ E-I _____ GR _____ GR-N _____ Micro _____
Lat _____ Mi-L _____ Sonic _____ Others _____

QUINTANA PETROLEUM CORPORATION

601 JEFFERSON STREET-CULLEN CENTER

HOUSTON, TEXAS

PLEASE ADDRESS CORRESPONDENCE TO:

P. O. BOX 3331

HOUSTON, TEXAS 77001

February 14, 1977

RE: Application for Permit to Drill Federal Lease #U-2110
Quintana - Federal Well No. 30-1
Section 30, T3N, R10E, SLB&M
Summit County, Utah

Mr. E. W. Guynn, District Engineer
United States Geological Survey
Conservation Division
8426 Federal Building
Salt Lake City, Utah 84138

Dear Mr. Guynn:

Enclosed in triplicate is a corrected Form 9-331C (Application for Permit to Drill). Our application sent to you by letter of February 9, 1977, had the wrong section number in Item 11. As you probably recognized from the survey plat, the location will be in Section 30.

Very truly yours,

W. A. Schneider

WAS/eh
enclosures

cc: State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
1588 West North Temple
Salt Lake City, Utah 84116
Attn: Mr. P. D. Driscoll



CIRCULATE TO:

- DIRECTOR _____
- PETROLEUM ENGINEER _____
- MINE COORDINATOR _____
- ADMINISTRATIVE ASSISTANT _____
- ALL _____

RETURN TO Kathy D.
FOR FILING

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.
U-2110

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

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
Quintana-Federal

9. WELL NO.
30-1

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 30, T3N, R10E, SLM

12. COUNTY OR TERRITORY
Summit

13. STATE
Utah

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 3331, Houston, Texas 77001

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface 637' FNL and 665' FEL, Section 30, T3N, R10E, SLM
At proposed prod. zone Same as Surface Location

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

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 637'

16. NO. OF ACRES IN LEASE
280.0

17. NO. OF ACRES ASSIGNED TO THIS WELL
40

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

19. PROPOSED DEPTH
2000'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
Ground Level (Ungraded) = 7974' /MSL

22. APPROX. DATE WORK WILL START*
March 27, 1977

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2	13 3/8	48#	60'	To Surface
12 1/4	9 5/8	36#	2000'	1605 ft ³

Purpose: To drill a 2000' vertical hole to evaluate the Cretaceous gas potential.

A drilling contractor has not been selected at this time. Unless subsequent data dictates otherwise, we plan to have an annular type preventer and diverter line installed while drilling the 12 1/4" hole. If run, the 9 5/8" production casing will be cemented to surface. All significant hydrocarbon shows will be evaluated with logs and/or drill stem tests and cores.

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. SIGNATURE Wayne C. Schneider TITLE Petroleum Engineer DATE _____

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

QUINTANA PETROLEUM CORPORATION

601 JEFFERSON STREET-CULLEN CENTER

HOUSTON, TEXAS

PLEASE ADDRESS CORRESPONDENCE TO:
P. O. BOX 3331
HOUSTON, TEXAS 77001

February 14, 1977

State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
1588 W. North Temple
Salt Lake City, Utah 84116

Attention: Mr. P. D. Driscoll

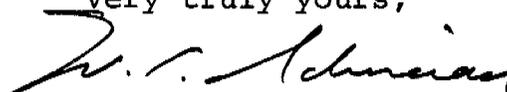
Re: Application for Permit to
Drill, Federal Lease #U-2110
Quintana - Federal Well No.
30-1, Section 20, T3N, R10E,
SLB&M, Summit County, Utah

Gentlemen:

Enclosed is a copy of Quintana's application for permit to drill the subject well. This application was sent to Mr. Guynn with the USGS on February 9, 1977.

Let us know if you require any additional information.

Very truly yours,



W. A. Schneider

WAS/ces

Enclosures



QUINTANA PETROLEUM CORPORATION

601 JEFFERSON STREET-CULLEN CENTER

HOUSTON, TEXAS

PLEASE ADDRESS CORRESPONDENCE TO:
P O BOX 3331
HOUSTON, TEXAS 77001

February 9, 1977

Mr. E. W. Guynn
District Engineer
United States Geological Survey
Conservation Division
8426 Federal Building
Salt Lake City, Utah 84138

Re: Application for Permit to Drill
Federal Lease #U-2110
Quintana - Federal Well No. 30-1
Section 20, T3N, R10E, SLB&M
Summit County, Utah

Dear Mr. Guynn:

Enclosed in triplicate, please find the following for the subject application:

1. Application for Permit to Drill and Survey Plat.
2. 12 Point Surface Use and Operations Plan
3. Land Rehabilitation Requirements Form
4. Surface Owners' Agreement

The above captioned drilling location is on Fee Surface Lands. The enclosed surface owners' agreement has been executed by all of the surface owners. Upon receipt in our office of the executed agreements, we will forward copies to you.

The referenced mineral lease expires on March 31, 1977; therefore, we hope to commence drilling operations prior to this date.

Please let us know if you require any additional information.

Very truly yours,

W. A. Schneider



WAS/ces

Enclosures

bcc w/attachments
Phillips Petroleum Compan
1300 Security Life Bldg.
Denver, CO 80202

Attn: R. K. Roderick

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 3331, Houston, Texas 77001

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 At proposed prod. zone Same as Surface Location *C NENE*

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17. NO. OF ACRES ASSIGNED TO THIS WELL
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Purpose: To drill a 2000' vertical hole to evaluate the Cretaceous gas potential.

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24. SIGNED Wayne C. Schneider TITLE Petroleum Engineer DATE 2-9-77

(This space for Federal or State office use)

PERMIT NO. 13-043-30045 APPROVAL DATE _____

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

QUINTANA PETROLEUM CORP.

12 Point Surface Use Plan

for

Well Location

Quintana Federal 30-1

Located In

Section 30, T3N, R10E, SLB&M

Summit County, Utah

1. EXISTING ROADS

See attached Topographic Map "A" - to reach the Quintana Petroleum Corp. well location (Quintana Federal 30-1) located in Section 30, T3N, R10E, SLB&M from Evanston, Wyoming.

Proceed south along Wyoming State Highway 89 to the Wyoming - Utah State line and continue on south along Utah State Highway 150 to the intersections of the access road. The distances from Evanston, Wyoming to the Access road is 25.3 road miles.

Turn east on the access road and proceed in an easterly direction 0.03 road miles to the Quintana Federal 30-1 location in the NE 1/4 NE 1/4 of Section 30, T3N, R10E, SLB&M.

2. PLANNED ACCESS ROAD

See Topographic Map "B".

The total amount of this new access road is on Fee Lands and will meet the following requirements in order to maintain an orderly, safe, and uniform flow of traffic to complete this well. Surface

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

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

In the event gravel for the road surface will be required, arrangements will be made to acquire it from the A. W. Burts reserve pits.

The terrain that is traversed by this road is relatively flat and traverses a ridge and is vegetated with sparse amounts of sagebrush, rabbit brush, and grasses.

3. LOCATION OF EXISTING WELLS

As shown on Topographic Map "B", there are ^{no} other wells within a one mile radius of the proposed well site. (See location plat for placement of Quintana Petroleum Corp. well location, Quintana Federal 30-1, within this section.)

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

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

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

5. LOCATION AND TYPE OF WATER SUPPLY

Water used to drill this well is to be hauled from a source in the SW 1/4 of Section 20, approximately 0.75 road miles to the northeast from the location site.

In the event that water is not available from this source, the operator will make the necessary arrangements to satisfy these needs.

6. SOURCE OF CONSTRUCTION MATERIALS

All construction materials for this location site and access road shall be borrow materials accumulated during construction of the location site and access road. No additional road gravels or pit lining material from other sources are anticipated at this time.

7. METHODS FOR HANDLING WASTE DISPOSAL

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

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

All production waste such as cuttings, salts, chemicals, overflows of condensate, water, and drilling fluids shall be contained in the west cell of the reserve pit and upon completion of drilling activities, buried with a minimum of 4' of cover.

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

8. ANCILLARY FACILITIES

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

9. WELL SITE LAYOUT

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

10. PLANS FOR RESTORATION OF SURFACE

As there is some topsoil in the area, all topsoil will be stripped and stockpiled prior to drilling activities on the well site only (see Item No. 9). When all production activities have been completed, the location site, access road, and flowline route will be reshaped as near as possible to the original contour, prior to construction, and the topsoil on the location only spread over the disturbed area. Any drainages re-routed during the construction and production activities shall be restored to their original line of flow.

10. PLANS FOR RESTORATION OF SURFACE (continued)

All additional wastes being accumulated during production activities and contained in the reserve pit and trash pit shall be buried with a minimum four feet of cover. The location site, access road, and flowline route shall be reseeded with a seed mixture recommended by the Bureau of Land Management District Manager, when the moisture content of the soil is adequate for germination.

Restoration activities shall begin within 90 days after completion of the well. Once completion activities have begun, they shall be completed within 30 days.

The lessee further covenants and agrees that all of said cleanup and restoration activities shall be done and performed in the best and most workmanlike manner and in strict conformity with the above mentioned Item No. 7 and No. 10.

11. OTHER INFORMATION

The topography of the General Area -

The location, Quintana Federal 30-1, lies on the north side of the Uinta Mountain Range and is located on the Bear River Drainage that flows in a northwesterly direction. The area is interlaced with numerous canyons and ridges which are quite steep by nature.

The soils of the area range from the sparse rich humis-sandy topsoils of the higher elevations to the sandy-clays along the river basins. The area is from the Quaternary Epoch.

The majority of the numerous streams and creeks in this area are of a perennial nature, with the greatest amount of stream flow occurring in the late spring during the spring runoff.

The annual percipitation averages range from 8" in the lower elevations to 16" in the upper regions of the area.

The flora of the area ranges from the open grass pastures along the river basin to the groves of Quacking Aspin, conifers, and open areas of sagebrush and grasses along the sidehills, ridges, and upper bench areas.

The fauna of the area consists predominately of the Mule Deer, coyotes, rabbits, and varieties of small ground squirrels and other types of rodents. The area is used by man for the primary purpose of grazing domesticated sheep and cattle.

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

The location sets in the river bottom and is approximately 1/2 mile east of the Bear River. The immediate area surrounding the location is in an open and vegetated by sagebrush and grasses.

11. OTHER INFORMATION (continued)

The terrain in the immediate vicinity of the location slopes to the north - west and slopes through the location site at approximately a 1% grade.

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

Wayne Schneider
Box 3331
Houston, Texas 77001

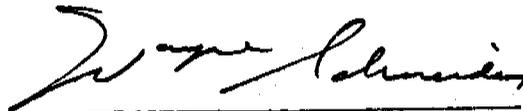
Tel: 713-651-8635/8600

CERTIFICATION

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

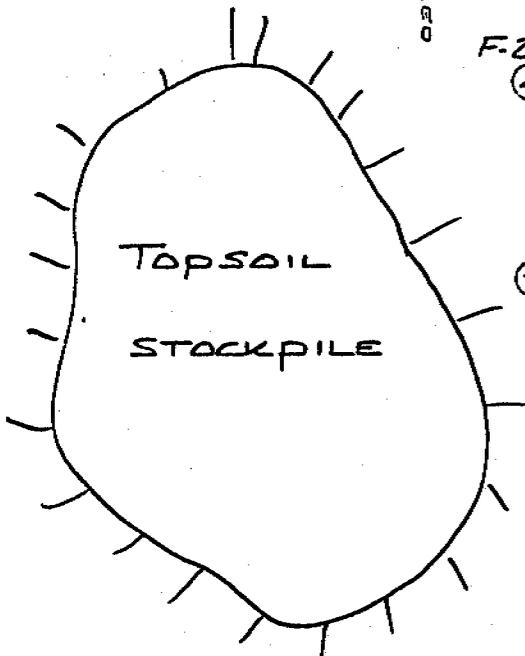
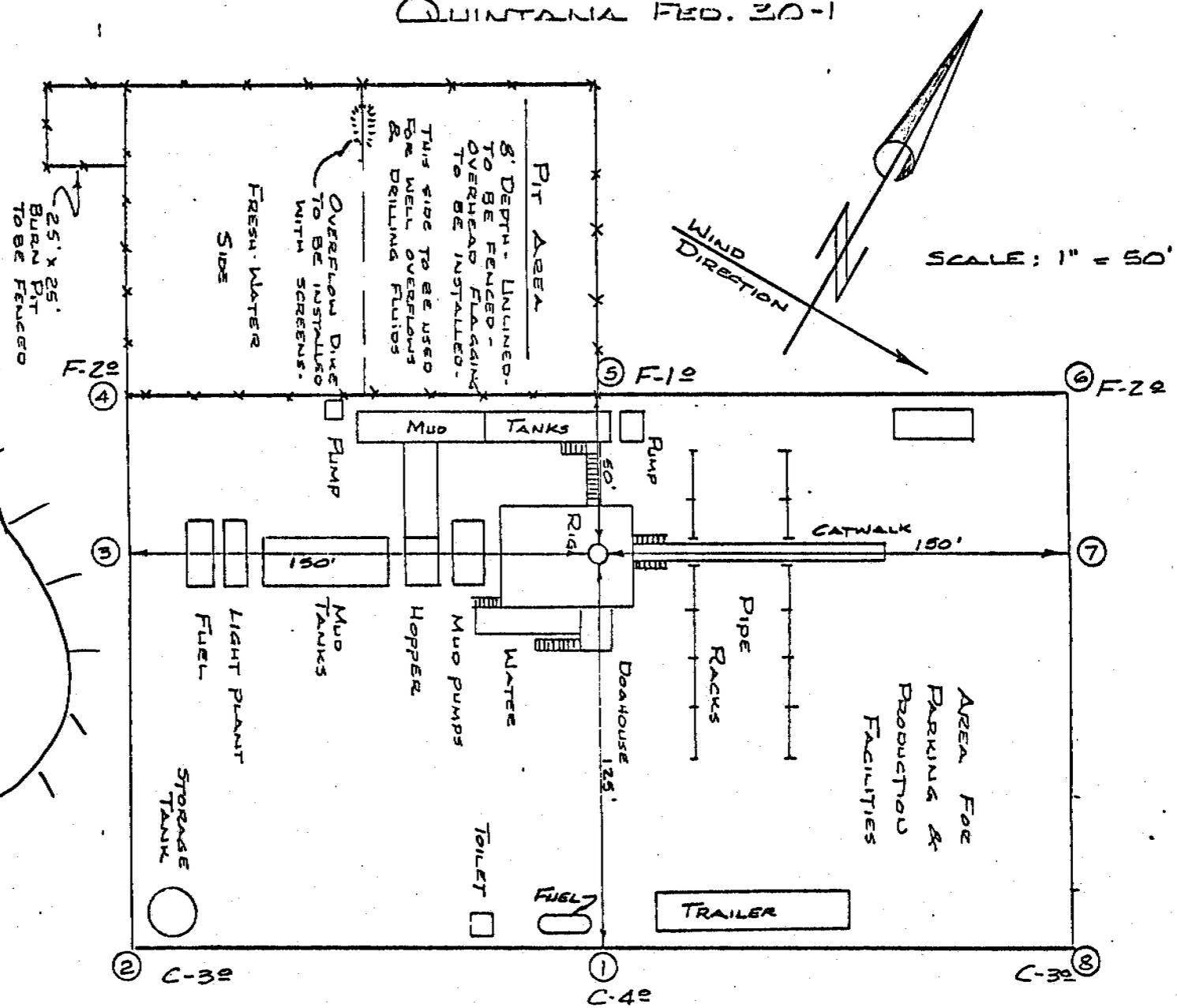
2-9-77

Date



Wayne Schneider

LOCATION LAYOUT SHEET
QUINTANA FEB. 20-1



NOTE --
CUTS & FILLS ARE APPROX.

Lease No.: U-2110; Well Name and No.: Quintana-Federal 30-1
Location: NE 1/4 NE 1/4 Sec. 30, T. 3 N., R. 10 E

Quintana Petroleum Corporation Oil Company intends to drill a well on surface owned by A. W. Burt & wife & B. Scott Miller. The lessee/operator agrees to complete the following rehabilitation work if the well is a producer:

Yes No Maintain access road and provide adequate drainage to road.

Yes No Reshape and reseed any area in excess of the pump and support facilities.

Other requirements: Install locked gate and "private road - No unauthorized access" sign at entrance off St. Hwy 150

The following work will be completed when the well is abandoned:

Yes No Site will require reshaping to conform to existing topography.

Yes No Pit will be fenced until dry, then filled to conform to topography.

Yes No Entire disturbed area will be reseeded. If yes, the following seed mixture will be used:

Ground cover will grow back naturally

Yes No Access road will be rehabilitated and reseeded using the same seed mixture as above.

Yes No Access road will remain for landowner's use. Landowner requests that road be destroyed

Other requirements: "Private road-No unauthorized access" sign at entrance off St. Hwy 150 during drilling operations.

Landowner

Name: A. W. Burt
Address: General Delivery
City: Corinne
State: Utah
Telephone: 801- 744-2971
Date: 1-28-77

Operator/Lessee

Name: Quintana Petroleum Corporation
Address: Box 3331
City: Houston
State: Texas 77001
Telephone: 713- 651-8600
Date: 1-28-77

Yes No I certify rehabilitation has been discussed with the surface owner.

This agreement covers rehabilitation requirements only and does not affect any other agreements between the lessee/operator and surface owner.

STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING

** FILE NOTATIONS **

Date: Feb. 18
Operator: Quintana Petroleum
Well No: Quintana Ind. 30-1
Location: Sec. 30 T. 3N R. 10E County: Summit

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

CHECKED BY:
Administrative Assistant [Signature]
Remarks: No other wells in Sec. 30
Petroleum Engineer [Signature]
Remarks:
Director [Signature]
Remarks:

INCLUDE WITHIN APPROVAL LETTER:
Bond Required Survey Plat Required
Order No. Surface Casing Change
to _____
Rule C-3(c), Topographic exception/company owns or controls acreage within a 660' radius of proposed site
O.K. Rule C-3 O.K. In _____ Unit
Other:

Letter Written/Approved

February 18, 1977

Quintana Petroleum Company
P.O. Box 3331
Houston, Texas 77001

Re: WELL NO. Quintana Federal 30-1
Sec. 30, T. 3 N, R. 10 E,
Summit County, Utah
637' FNL & 665' FEL

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with Rule C-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:

PATRICK L. DRISCOLL - Chief Petroleum Engineer
HOME: 582-7247
OFFICE: 533-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling.

The API number assigned to this well is 43-043-30045.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT
Director

cc: U.S. Geological Survey

QUINTANA PETROLEUM CORPORATION

601 JEFFERSON STREET-CULLEN CENTER

HOUSTON, TEXAS

PLEASE ADDRESS CORRESPONDENCE TO:
P. O. BOX 3331
HOUSTON, TEXAS 77001

P

February 22, 1977

Mr. E. W. Guynn, District Engineer
United States Geological Survey
Conservation Division
8426 Federal Building
Salt Lake City, Utah 84138

Re: Application for Permit to Drill
Federal Lease #U-2110
Quintana-Federal Well No. 30-1
Section 30, T3N, R10E, SLB&M
Summit County, Utah

Dear Mr. Guynn:

In order to comply with NTL-6, we are enclosing in triplicate, information required by the USGS 10 Point Drilling Procedure Questionnaire. I apologize for not including all of this data with our original application which was mailed to you by letter of February 9, 1977.

Please advise if you require any additional information.

Very truly yours,

W. A. Schneider

WAS/ces

Enclosure

cc: State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
1588 West North Temple
Salt Lake City, Utah 84116

Attn: Mr. P. D. Driscoll

CIRCULATE TO:
DIRECTOR
PETROLEUM ENGINEER
MINE COORDINATOR
ADMINISTRATIVE ASSISTANT
ALL

RETURN TO *Kathy O.*
FOR FILING



QUINTANA PETROLEUM CORPORATION
APPLICATION FOR PERMIT TO DRILL
FEDERAL LEASE # U-2110
QUINTANA-FEDERAL WELL NO. 30-1
SECTION 30, T3N, R10E, SLB&M
SUMMIT COUNTY, UTAH
PROPOSED TOTAL DEPTH = 2000'

1. Surface Formation

The State of Utah Geologic Map shows the surface formation to be the Quaternary Alluvium.

2. Geologic Markers

a). Base of Tertiary - Top of Cretaceous (Aspen Formation)
± 1800'.

b). Top of Bear River Formation ± 2000'.

3. Anticipated Hydrocarbons

A potential gas accumulation is anticipated at ± 2000 feet in the Bear River Formation.

4. Proposed Casing and Cementing Program

a). Conductor Casing - Approx. 60' of 13 3/8", H-40, 48#/ft.
new casing to be cemented to surface in a 17 1/2" hole.

b). Production Casing - Approx. 2000' of 9 5/8", K-55, 36#/ft.
new casing to be cemented to surface in a 12 1/4" hole.

5. Pressure Control Equipment

Wells drilled previously in the area of the proposed well indicate the subject well can be drilled safely to the proposed total depth of 2000 feet with no pressure control equipment. However, as a precautionary measure, Quintana plans to install an annular type preventer (Hydril) rated to at least 2000 psi working pressure together with a manifold and diverter line. This system will be tested to insure complete operational capability for diverting any possible trip gas, connection gas, or shale gas. Also, if necessary, a rotating head can be installed above the Hydril to divert gas while drilling.

6. Circulating Fluid

The 12 1/4" hole will be drilled to 2000 feet with water and bentonite. The mud density will be maintained between 8.8 and 9.0 pounds per gallon and the funnel viscosity will be maintained between 40 and 60 seconds per quart. Adequate barite and lost circulation material will be kept on location to control possible water flows and/or lost circulation zones.

7. Auxiliary Equipment

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

- a). A kelly cock
- b). A mud pit level indicator
- c). A full opening valve on the floor with drill pipe and drill collar connection crossovers.
- d). An inside blow out preventer on the floor with drill pipe and drill collar connection crossovers.

8. Testing, Logging and Coring

- a). Testing - open hole drill stem tests of significant hydrocarbon shows will be conducted, if necessary, for adequate formation evaluation.
- b). Logging - A lithology log, resistivity log, and porosity log will be run at total depth. Other logging services and intermediate logging points will be considered as needed.
- c). Coring - Conventional coring will be considered if needed for adequate formation evaluation.

9. Drilling Hazards

Wells drilled previously in the area of the subject well indicate that no abnormal pressures, abnormal temperatures, or hydrogen sulfide will be encountered in the proposed well.

10. Starting and Duration

The subject lease expires on March 31, 1977. Quintana plans to commence continuous operations prior to the expiration date. The drilling operations are expected to take about seven (7) days.

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

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

Form approved
Budget Bureau No. 42-R1425

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 3331, Houston, Texas 77001

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 Summit Utah

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12 1/4	9 5/8	36#	2000'	1605 ft ³

Purpose: To drill a 2000' vertical hole to evaluate the Cretaceous gas potential.

A drilling contractor has not been selected at this time. Unless subsequent data dictates otherwise, we plan to have an annular type preventer and diverter line installed while drilling the 12 1/4" hole. If run, the 9 5/8" production casing will be cemented to surface. All significant hydrocarbon shows will be evaluated with logs and/or drill stem tests and cores.



Approval Notice for Oil - Gas - March 27, 1977

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. SIGNATURE Wayne C. Schneider TITLE Petroleum Engineer DATE 2-9-77

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY (ORIG. SGD.) E. W. GUYNN TITLE DISTRICT ENGINEER DATE MAR 21 1977

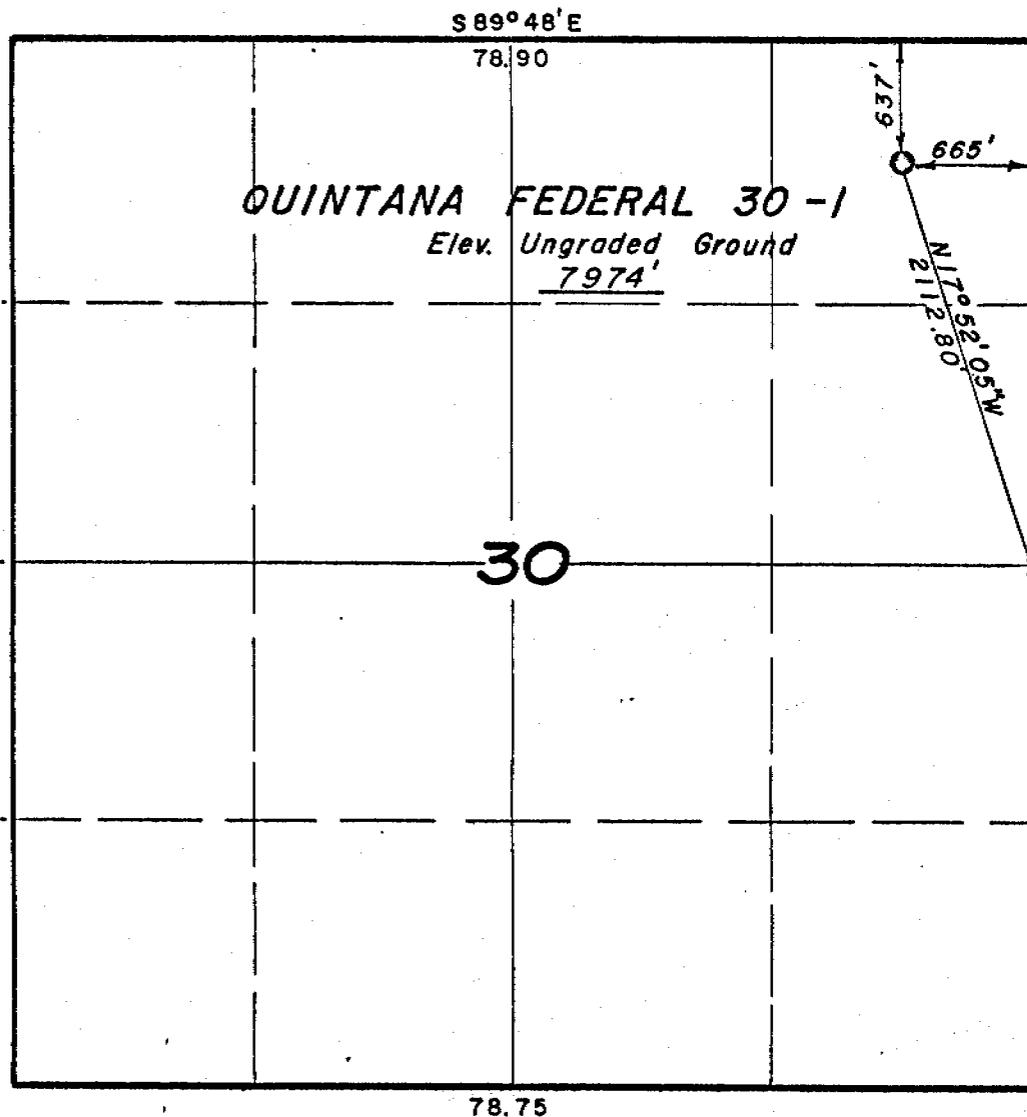
CONDITIONS OF APPROVAL, IF ANY:

T3N, R10E, S.L.B. & M.

PROJECT

QUINTANA PETROLEUM CORP.

Well location, *Quintana Federal 30-1*,
located as shown in the NE1/4 NE1/4
Section 30, T3N, R10E, S.L.B. & M.,
Summit County, Utah.



NOTE:

Basis of bearings is a solar observation
taken on 28 January 1977.



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.

Don Stewart

REGISTERED LAND SURVEYOR
REGISTRATION NO. 3154
STATE OF UTAH

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

X = Corners Found & Used.

SCALE 1" = 1000'	DATE 31 January 1977
PARTY L.D.T. & J.L.	REFERENCES GLO Plat
WEATHER Cool	FILE C-1250

for oil and gas and to construct, maintain and use upon said lands a drilling derrick, and such machinery, tanks, pipe lines, structures, equipment, fixtures and other facilities necessary or convenient in drilling for, producing, storing, transporting and marketing oil and gas produced, together with the right to remove its derrick and all of its machinery, equipment, structures and other facilities used in its operations.

For the same consideration, First Parties extend and grant to Quintana the right of access over lands owned by them in said Section 30 in going to and from its drill site and in moving equipment, material and products thereto and therefrom and in this connection, it shall have the right to use existing roads or to build and maintain additional access road or roads as may be necessary or convenient.

Quintana agrees that if its drilling results in production, it will maintain its access road or roads and provide adequate drainage thereto and will reshape and reseed any area disturbed by its drilling operations.

Quintana further agrees that when the well is abandoned, it will (a) reshape the disturbed surface to conform to existing topography; (b) fence mud pits until dry and then fill to conform to topography; (c) reseed the disturbed area; and (d) rehabilitate its access road or roads and reseed or if the First Parties prefer, leave the access road or roads for use of First Parties.

Quintana agrees to pay all damage, if any, to First Parties' land, improvements and crops caused by its operations. It agrees to bury all pipe lines below plow depth where such lines cross cultivated land.

First Parties expressly waive bond required by Section 9 of the Act of December 29, 1916 (Stock-raising Homestead Act) as amended (43 USC, Section 299).

The rights herein granted are limited to the undivided interest of First Parties in the lands hereinabove referred to.

This Agreement shall be (a) in full force and effect from and after the date hereof and shall continue in force and effect so long as the well is located on the described premises or drilling or reworking operations are being conducted, and (b) binding upon and inure to the benefit of the parties hereto, their heirs, successors, legal representatives and assigns.

IN WITNESS WHEREOF, the parties have executed this Agreement as of the day and year first above written.

Albert W. Burt

Betty G. Burt

QUINTANA PETROLEUM CORPORATION

By _____

SUMMARY OF ENVIRONMENTAL IMPACT EVALUATION

401

ATTACHMENT 2-A

LEASE # U-2110
 QUANTANA PETRO. Co.
 WELL # 30-1
 SEC. 30 T3N R10E
 SUMMIT COUNTY, UTAH
 USGS - DENNIS
 BLM - WASHINGTON
 DEP. - PET HEDDLSON
 Private owner - ALBERT BERT

- ENHANCES
- NO IMPACT
- MINOR IMPACT
- MAJOR IMPACT

	Construction				Pollution				Drilling Production				Transport Operations			Accidents		Others
	Roads, bridges, airports	Transmission lines, pipelines	Dams & impoundments	Others (pump stations, compressor stations, etc.)	Burning, noise, junk disposal	Liquid effluent discharge	Subsurface disposal	Others (toxic gases, noxious gas, etc.)	Well drilling	Fluid removal (Prod. wells, facilities)	Secondary Recovery	Noise or obstruction of scenic views	Mineral processing (ext. facilities)	Others	Trucks	Pipelines	Others	Spills and leaks

Land Use	Forestry	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
	Grazing	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
	Wilderness	N/A																	
	Agriculture	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
	Residential-Commercial	N/A																	
	Mineral Extraction	/	/						0						0	0		/	/
	Recreation	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Scenic Views	/	0	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Parks, Reserves, Monuments	/																	
	Historical Sites	N/A																	
	Unique Physical Features	N/A																	

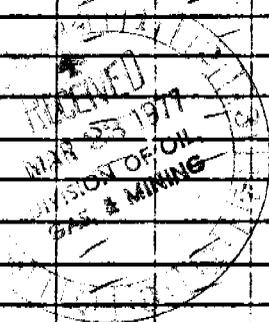
Flora & Fauna	Birds	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
	Land Animals	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
	Fish	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
	Endangered Species				NONE KNOWN														
	Trees, Grass, Etc.	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

Phy. Character.	Surface Water	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Underground Water	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Air Quality	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Erosion	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Other																	

Effect On Local Economy	/	0	0	0	/	/	/	0	/	0	0	/	/	/	/	/	/	/
-------------------------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Safety & Health	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
-----------------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Others *Orig - file*
 cc: Reg *Danner*
 BLM - *ALC* *Stark* *w/o* *releases*
 DOE *m* *lital*



Lease U-2110

Well No. & Location WELL # 30-1 SEC. 30 T3N R1E

Summit County, UTAH (wildcat)

ENVIRONMENTAL IMPACT ANALYSIS - ATTACHMENT 2-B

1. Proposed Action

Quatana Petroleum Corp.

PROPOSES TO DRILL AN OIL AND

GAS TEST WELL WITH ROTARY TOOLS TO ABOUT 2000 FT. TD. 2) TO CONSTRUCT A

DRILL PAD 300 FT. X 125 FT. AND A RESERVE PIT 100 FT. X 150 FT.

3) TO CONSTRUCT _____ FT. X _____ MILES ACCESS ROAD AND UPGRADE _____ FT.

X _____ MILES ACCESS ROAD FROM AN EXISTING AND IMPROVED ROAD.

2. Location and Natural Setting (existing environmental situation)

REFER to Item # 11 Eleven OF THE 12 Point SURFACE USE
Plan

An agreement to extract gravel from the well site to build road to another location, was made between the dirt contractor and the surface owner (MR. ALBERT BERT). However our Office (USGS) was not notified of this transaction and work had already commenced on the location before we were able to make an onsite inspection.

A warning was given to MR. HEDDLEMAN THAT any work to be done on surface "whether Private, Fed, or Indian", where Fed. Minerals are involved, should be made known to USGS, and a copy of the agreement between the parties involved should be given to USGS.

A FENCED TRASH PIT IS REQUIRED



3. Effects on Environment by Proposed Action (potential impact)

1) EXHAUST EMISSIONS FROM THE DRILLING RIG POWER UNITS AND SUPPORT TRAFFIC ENGINES WOULD ADD MINOR POLLUTION TO THE ATMOSPHERE IN THE LOCAL VICINITY.

2) MINOR INDUCED AND ACCELERATED EROSION POTENTIAL DUE TO SURFACE DISTURBANCE AND SUPPORT TRAFFIC USE.

3) MINOR VISUAL IMPACTS FOR A SHORT TERM DUE TO OPERATIONAL EQUIPMENT AND SURFACE DISTURBANCE.

4) TEMPORARY DISTURBANCE OF WILDLIFE AND LIVESTOCK.

5) MINOR DISTRACTION FROM AESTHETICS FOR SHORT TERM.

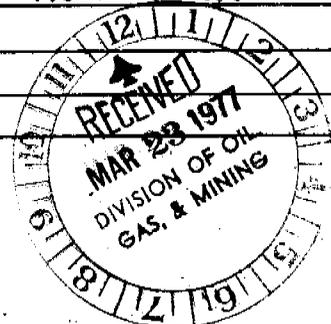
6)

4. Alternatives to the Proposed Action

1) NOT APPROVING THE PROPOSED PERMIT -- THE OIL AND GAS LEASE GRANTS THE LESSEE EXCLUSIVE RIGHT TO DRILL FOR, MINE, EXTRACT, REMOVE AND DISPOSE OF ALL OIL AND GAS DEPOSITS.

2) DENY THE PROPOSED PERMIT AND SUGGEST AN ALTERNATE LOCATION TO MINIMIZE ENVIRONMENTAL IMPACTS.

3) *No Alternate location could be found that would warrant this action*



5. Adverse Environmental Effects Which Cannot Be Avoided

1) MINOR AIR POLLUTION DUE TO EXHAUST EMISSIONS FROM TRIG ENGINES AND SUPPORT TRAFFIC ENGINES.

2) MINOR INDUCED AND ACCELERATED EROSION POTENTIAL DUE TO SURFACE DISTURBANCE AND SUPPORT TRAFFIC USE.

3) MINOR AND TEMPORARY DISTURBANCE OF WILDLIFE.

4) TEMPORARY DISTURBANCE OF LIVESTOCK.

5) MINOR AND SHORT-TERM VISUAL IMPACTS.

6)

6. Determination

(This requested action ~~does~~ (does not) constitute a major Federal action significantly affecting the environment in the sense of NEPA, Section 102(2) (c).

Date Inspected 3-7-77

Inspector *J. J. [Signature]*

[Signature]
U.S. Geological Survey,
Conservation Division
Salt Lake City District
Salt Lake City, Utah



U.S. GEOLOGICAL SURVEY, CONSERVATION DIVISION

FROM: DISTRICT GEOLOGIST, SALT LAKE CITY, UTAH

TO: DISTRICT ENGINEER, SALT LAKE CITY, UTAH

Well	Location	Lease No.
Quintana Petroleum 30-1 Quintana - Fed	637 FML 665 FEL SEC 30 T 3N R 10E SLM Summit Co. Utah	U 2110
<p>1. Stratigraphy and Potential Oil and Gas Horizons. Surface - quaternary alluvium (probably to 60 feet) Frontier Fm. Aspen (Mowry equivalent at 1800? Bear Creek (Dakota) at 2000? Gas in Bear Creek?</p> <p>2. Fresh Water Sands. possible in alluvium</p> <p>3. Other Mineral Bearing Formations. (Coal, Oil Shale, Potash, Etc.) possible non commercial coal in Frontier.</p> <p>4. Possible Lost Circulation Zones. unknown</p> <p>5. Other Horizons Which May Need Special Mud, Casing, or Cementing Programs. unknown</p> <p>6. Possible Abnormal Pressure Zones and Temperature Gradients. probably none</p> <p>7. Competency of Beds at Proposed Casing Setting Points. unknown</p> <p>8. Additional Logs or Samples Needed. a full log for stratigraphic control would be useful</p> <p>9. References and Remarks - no nearby drill holes located, stratigraphy from driller, questionable</p>		
Date: 3-22-77		Signed: 



Att ch. J. O. G. M.

QUINTANA PETROLEUM CORPORATION

601 JEFFERSON STREET-CULLEN CENTER

HOUSTON, TEXAS

PLEASE ADDRESS CORRESPONDENCE TO:

P. O. BOX 3331

HOUSTON, TEXAS 77001

WELL SUMMARY

Quintana Federal 30-1
Summit County, Utah

3-25-77

Preparing location. Will MI Roden Rig No. 2 this weekdn.

Quintana Petroleum Corporation
Quintana Federal 30-1
Summit County, Utah

3-28-77

Present Operation - MI Rig. Dug out to 20' of backhole. Set 20" conductor and 16" corrugated pipe for rat and mouse holes. Location prepared. MI Rig.

Quintana Petroleum Corporation
Quintana Federal 30-1
Summit County

3-29-77

70% Rigged up.

Quintana Petroleum Corporation
Quintana Federal 30-1
Summit County, Utah

3-30-77

Fin. RU. Preparing to spud.
Days on Location: 1

Quintana Petroleum Corporation
Quintana Federal 30-1
Summit County

3-31-77

TD 45'. MW 8.9 Visc 60 WL 14 Drilling
Days on Location: 2

Quintana Federal Petroleum
Federal 30-1
Summit County

4-1-77

TD 50'. Drilling MW 9.4

Quintana Petroleum Corporation
Quintana Federal 30-1
Summit County

Saturday
4 - 2 - 77
4 - 3 - 77 *Sunday*
4 - 4 - 77

Drilled to 177'. Opened hole to 17.5" to 160'. Ran 13 3/8" csg. to 132'. Cemented with 450 sxs. Good cement returns, WOC.

Quintana Petroleum Corporation
Federal 30-1
Summit County

to 800 psi 4 - 5 - 77

TD 177'. MW 8.4 Visc 32 WOC. Backed off landing jt. NU BOP's and tested. WIH. Tested rams. Drilled plugs, cmt and shoe. Now cleaning out at 148'. Days on Location: 7

Quintana Petroleum Corporation
Federal 30-1
TD 503'. Drilling.

4 - 6 - 77

Federal 30-1
Summit County

TD 1217'. MW 9.8 Drilling. No shows.

4 - 7 - 77
4 - 8 - 77 *Good Friday*
4 - 9 - 77 *Saturday*

Quintana Federal 30-1
Summit County

4 - 10 - 77 *Sunday*
4 - 11 - 77

Drld to 1915'. TNB. Drld to 2012' C&C. Ran DILL, GR/CNL/DENS/CAL & integrated Sonic 2011' - 130'. WIH and laid plugs 2012' - 1590', 160' - 100' and 15' at surface. Clean pits. ND. Rlsd rig at 1000 hrs. 4-10-77. Welded on plate. FR. Days on Location: 13

QUINTANA PETROLEUM CORPORATION

601 JEFFERSON STREET-CULLEN CENTER

HOUSTON, TEXAS

March 22, 1977

PLEASE ADDRESS CORRESPONDENCE TO:
P. O. BOX 3331
HOUSTON, TEXAS 77001

RE: Change in Plan, Application for Permit to Drill
Quintana - Federal Well No. 30-1
Section 30, T3N, R10E
Summit County, Utah

United States Geological Survey
Department of the Interior
Conservation Division
8426 Federal Building
125 S. State Street
Salt Lake City, Utah 84138



Attention: Mr. E. W. Gynn

Gentlemen:

Enclosed is a Sundry Notice for a change of plans pertaining to the drilling procedures to be followed for the subject well. The changes affect hole sizes, casing sizes and pressure control equipment.

The most significant change is that Quintana will install and fully test blowout preventers and a choke manifold prior to drilling below the 13-3/8" casing. Although wells drilled previously in the area of the proposed well could be safely drilled to 2000' with no pressure control equipment, we have decided to install blowout preventers as a precautionary measure.

In addition to the Sundry Notice, also enclosed for your information is our drilling prognosis for the subject well.

Yours truly,

A handwritten signature in dark ink, appearing to read "W. A. Schneider". The signature is fluid and cursive, written over a white background.

W. A. Schneider

WAS/eh
attach.

cc: State of Utah
Dept of Natural Resources
1588 West North Temple
Salt Lake City, Utah 84116
Attn: Patrick L. Driscoll

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42 R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. LEASE DESIGNATION AND SERIAL NO.

U-2110

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME

Quintana-Federal

9. WELL NO.

30-1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 30, T3N, R10E, SLM

1. OIL WELL GAS WELL OTHER Proposed

2. NAME OF OPERATOR
Quintana Petroleum Corporation

3. ADDRESS OF OPERATOR
P. O. Box 3331, Houston, Texas 77001

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

637' FNL and 665' FEL, Section 30, T3N, R10E, SLM

14. PERMIT NO.
API 43-043-30045

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
Ground Level (Ungraded) = 7974'/MSL

12. COUNTY ~~XXXXXXXX~~ 13. STATE
Summit Utah

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

NOTICE OF INTENTION TO:

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) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

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) <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 to RMI markers and zones pertinent to this work.)*

PROPOSED OPERATIONS:

RE: Pressure Well Control/Resource Protection Data (10 Point) DATE: March 25, 1977

4. PROPOSED CASING AND CEMENTING PROGRAM

BY: P. L. Duicell

- a. Conductor Casing - 100' to 200' of 13-3/8", H-40, 48#/ft, new casing to be cemented to surface in a 17-1/2" hole.
- b. Production Casing - Approximately 2000' of 5-1/2", H-40, 14#/ft, new casing to be cemented to surface in a 7-7/8" hole.

5. PRESSURE CONTROL EQUIPMENT

8", Series 900 Blowout Preventers and choke manifold will be installed and tested to at least 500 psi prior to drilling below the 13-3/8" casing. The preventers will be worked on trips and retested after about 10 days if drilling is not completed by this time.

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

SIGNED Wayne A. Schneider TITLE Petroleum Engineer DATE March 22, 1977

(This space for Federal or State office use)

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

DRILLING PROGNOSIS

QUINTANA - FEDERAL WELL No. 30-1
LONE MOUNTAIN PROSPECT
SUMMIT COUNTY, UTAH

AFE No. 37042

PURPOSE:

To drill a 2000' wildcat well to evaluate the Bear River Formation.

LOCATION:

637' FNL and 665' FEL, Section 30, T3N, R10E, SLB&M,
Summit County, Utah.

ESTIMATED FORMATION TOPS:

Aspen (Top of Cretaceous) ± 1800'
Bear River ± 2000'

Note: Tops will be defined better upon drilling the A. W. Burt, et al, 20-1.

BIT PROGRAM:

<u>Interval</u>	<u>Size</u>	<u>Type</u>
0' - 200'	17-1/2"	DS, DG or equal
200' - 2000'	7-7/8"	DS, DG or equal

MUD PROGRAM:

<u>Interval</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Filtrate</u>	<u>Remarks</u>
0' - 200'	8.6	40 - 60	N/C	Water flows, boulders and lost circulation are possible problems. Maintain viscosity to keep hole clean.
200' - 2000'	8.6 - 9.0	40 - 60	N/C	

DEVIATION SURVEYS:

Not to exceed 500' apart.

TUBULAR PROGRAM:

Surface Casing:	200',	13-3/8",	48#,	H-40
Production Casing:	2000',	5-1/2",	14#,	H-40
Tubing:	2000',	2-3/8",	4#,	H-40

CEMENTING PROGRAM:

Surface: Cement to surface with 150% excess.

Production: Cement to surface with 100% excess as directed.

WELLHEAD EQUIPMENT:

Casinghead: 12", 2M#, Screw-On with threaded outlets.

Tubinghead: 12", 2M# x 6" 3M# with threaded outlets.

Tree: 6", 2M# x 2" 5M#.

LOGGING PROGRAM:

At Total Depth: DIL or DLL, Integrated Sonic and other logs as directed.

DRILLING PROCEDURE:

1. Drill 12-1/4" hole through surface boulder (estimated 200').
2. Open hole to 17-1/2".
3. Run and cement 13-3/8" casing, wait on cement.
4. Install casinghead, blowout preventers, and manifold and test to 500 psi.
5. Drill 7-7/8" hole to Bear River Formation (estimated 2000').
6. Log and evaluate (DST?).
7. Complete or plug and abandon in accordance with Division of Oil, Gas and Mining regulations.

QUINTANA PETROLEUM CORPORATION

601 JEFFERSON STREET-CULLEN CENTER

HOUSTON, TEXAS

PLEASE ADDRESS CORRESPONDENCE TO:
P. O. BOX 3331
HOUSTON, TEXAS 77001

March 31, 1977

RE: Quintana - Federal Well No. 30-1
Summit County, Utah
(API 43-043-30045)

9

Mr. E. W. Guynn
United States Geological Survey
Department of the Interior
125 South State Street
Salt Lake City, Utah 84138

Dear Sir:

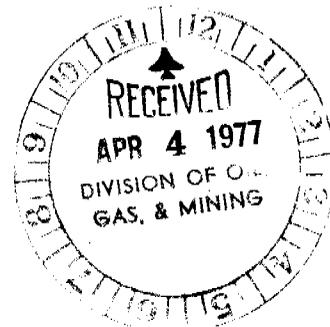
In accordance with Item 4 under Conditions of Approval for Notice to Drill received in connection with the captioned well, attached, in triplicate, is your Form 9-331 advising that the subject well was spudded at 9:00 a.m. on March 30, 1977.

Yours truly,

W. A. Schneider
W. A. Schneider *By E. F. H.*

eh
attach.

cc: State of Utah
Dept. of Natural Resources
1588 W. North Temple
Salt Lake City, Utah 84116
Attn: Patrick L. Driscoll



QUINTANA PETROLEUM CORPORATION

601 JEFFERSON STREET-CULLEN CENTER

HOUSTON, TEXAS

April 11, 1977

PLEASE ADDRESS CORRESPONDENCE TO:
P. O. BOX 3331
HOUSTON, TEXAS 77001

RE: Quintana - Federal Well No. 30-1
Summit County, Utah
(API 43-043-30045)

Mr. E. W. Guynn
United States Geological Survey
Department of the Interior
125 South State Street
Salt Lake City, Utah 84138

Dear Sir:

In connection with the abandonment of the captioned well, enclosed in triplicate are the following:

1. Form 9-331 requesting approval to plug and abandon.
2. Form 9-331 reporting actual plugging and abandoning.
3. Summary of drilling operations.

We will submit Form 9-330 to your office as soon as the log prints are available; and when the location has been restored and ready for inspection, we will submit Form 9-331. Please advise if there are any other forms or information we need to file with your office.

Yours truly,



W. A. Schneider

WAS/eh
attach.

cc: State of Utah
Dept. of Natural Resources
1588 W. North Temple
Salt Lake City, Utah
Attn: Patrick L. Driscoll



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
Quintana Petroleum Corporation

3. ADDRESS OF OPERATOR
P. O. Box 3331, Houston, Texas 77001

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
637' FNL and 665' FEL
AT SURFACE: Sec. 30, T3N, R10E, SLM
AT TOP PROD. INTERVAL: N/A
AT TOTAL DEPTH: Same as surface location.

5. LEASE
U-2110

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

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
Quintana - Federal

9. WELL NO.
30-1

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA
Sec. 30, T3N, R10E, SLM

12. COUNTY OR PARISH
Summit

13. STATE
Utah

14. API NO.
43-043-30045

15. ELEVATIONS (SHOW DEPTH, KDB, AND WD)
GL = 7974'; KDB = 7982'

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input checked="" type="checkbox"/>		<input type="checkbox"/>
(other)			

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING
DATE: April 14, 1977
E. W. Gwynn (K.D.)

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.)

The subject well was drilled to a total depth of 2012'. 13-3/8" casing was set at 132' and cemented to surface with 450 sacks of cement. A 7-7/8" hole was drilled from base of the 13-3/8" casing to total depth. Top of the Lower Wasatch Formation was encountered at 1880'. The well had no hydrocarbon shows, no water flows and no lost circulation zones. At total depth, a Dual-Induction Lateralog and Compensated Neutron Density Log were run and evaluated.

Quintana requests approval to plug and abandon as follows:

1. Place a cement plug through the drill pipe from 2012' back to 1600'.
2. Lay a cement plug from 160' back to 100' in order to cement the casing seat.
3. Place a cement plug from 15' below ground level back to surface.
4. Weld an iron plate across the top of the 13-3/8" casing.
5. Fill the rat hole and mouse hole to surface. Item 6 below.**

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

NOTE: The above requested procedure was approved verbally by E. W. Gwynn on 4-9-77.

SIGNED W. A. Schneider TITLE Petroleum Engineer DATE April 11, 1977

(This space for Federal or State office use)

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

** 6. 10 ppg mud will be left in the hole between all cement plugs.

P

WELL REPORT

QUINTANA PETROLEUM CORPORATION - OPERATOR

QUINTANA FED. 30-1

637' FNL AND 665' FEL (NE NE) SEC. 30, T3N-R10E, S.L.M.
SUMMIT COUNTY, UTAH

ELE. 7970 GL, 7976 KB

T.D. - 2014 IN LOWER WASATCH

CONTRACTOR - RODEN DRILLING COMPANY MANUEL COOPER - PUSHER

QUINTANA REPR. - WAYNE SCHNEIDER - KEN WEST

GEOLOGIC CONSULTANT - G. S. CAMPBELL

SPUD - 30 MARCH, 1977 0900 HRS.

FIN. DRILLING - 9 APRIL, 1977 0245 HRS.

GEOLOGIC RATIONALE - TEST LOWER TERTIARY OR CRETACEOUS OBJECTIVES.

DRILLING SEQUENCE - BACK HOE 20'. READY MIX 20" CONDUCTOR. MUD
DRILL 12 1/4" HOLE TO 180', OPEN TO 17 1/2". SET 13 3/8"
CSG TO SURF., DRLD. 7 7/8" HOLE TO 2014 T.D.

CORING/TESTING - NONE

MUD - MACOBAR - D. WELLS ENG'R

CASING/CEMENTING - 13 3/8" @ 132' (KB) W/250 SX

OTHER PARTIES OF INTEREST - PHILLIPS PETROLEUM COMPANY

SAMPLE INTERVAL - 30' TO 1900, 10' TO T.D.

CONCLUSION - THE BASAL TERTIARY CONTACT IS BELOW 5962' (ABOVE
SEA LEVEL). HYDROCARBON EVIDENCE IS NEGATIVE IN
ROCKS PENETRATED.

GRAHAM S. CAMPBELL



LIFE MEMBER

CERTIFIED PROFESSIONAL GEOLOGIST 832
GEOLOGICAL ENGINEER

FORMATION TOPS - (ELE. 7976 KB)

GLACIAL MORaine BOULDERS	0'	(ELE: 7976 GL)
TERTIARY WASATCH	106'	(/ 7870)
TERTIARY LOWER WASATCH	1880'	(/ 6090)

SHOWS - NONE (SEE E LOG ANALYSIS)

BIT RECORD - SEPARATE SHEET

DAILY LOG - SEPARATE SHEET

PLUGGING - 115 SX T.D. - 1880; 42 SX 160 - 100; 10 SX SURF.

LOGGING - LITHOLOG (SEPARATE SHEET AND IN FOLDER)

ELECTRIC:

DILL, FOC-CNL-GR, BHC-GR

STATUS - P & A

GRAHAM S. CAMPBELL



LIFE MEMBER

CERTIFIED PROFESSIONAL GEOLOGIST 832
GEOLOGICAL ENGINEER

BIT RECORD

BIT #	SIZE	TYPE	OUT	FOOTAGE	AVG. RATE	FORMATION
1	12 1/4	V2HJ	30'	30	POOR	BOULDERS
2	"	"	40	10	"	"
3	"	0WV	45	5	"	"
4	"	H7SG	82	37	"	"
5	"	"	112	30	5"/FT.	WASATCH CLAY & SS
6	"	H7SGJ	178	65	4"	"
OPEN HOLE TO 17 1/2" TO 160'						"
7	7 7/8	DGJ	856	676	1"	"
8	"	"	1483	627	2"	SDY. SHALE
9	"	DGJ	1914	431	3"	SS & SHALE
10	"	"	2014 (TD)	100	3 1/2"	SHLY. SS

GRAHAM S. CAMPBELL



LIFE MEMBER

CERTIFIED PROFESSIONAL GEOLOGIST 832
GEOLOGICAL ENGINEER

DAILY LOG

MARCH 26 - 30 MOVE IN, RIG UP, DRILL 10' RAT HOLE
MARCH 31 GIVE UP RAT HOLE. MUD DRILL 12 1/4" SURFACE
HOLE. BOULDERS TO 45'.
APRIL 1 DRILLED BOULDERS TO 54'. ON BIT #3
APRIL 2 DRILLED BOULDERS TO 83'. DRILLED GREEN AND RED
BENTONITIC CLAY TO 178' ON BIT #6.
TERTIARY WASATCH 83' (EROSIONAL TOP)
(GREEN TO RED CLAY)
APRIL 3 OPENED HOLE TO 17 1/2" TO 160'. PREP. TO RUN
SURFACE CASING. RAN 3 JTS. 13 3/8" 48# H-40
CSG. LANDED @ 132' (KB). CMT. W/ 250 SX TO
SURF. WOC 12 HRS.
APRIL 4 REASSEMBLE RIG. NIPPLE UP TO DRILL 7 7/8" HOLE.
APRIL 5 DRILLED TO 295' ON BIT #7 (DGTJ) IN WASATCH CLAYS
AND SANDS.
APRIL 6 DRILLED TO 979'. RT 856. RAN BIT #8 (DGTJ).
WASATCH. DEV. 780' 3/4°.
APRIL 7 DRILLED TO 1495'. RT 1483'. RAN BIT #9 (DGTJ)
WASATCH SH AND SS.
APRIL 8 DRILLED TO 1945'. DEV. 1525' - 3/4°
RT 1914. RAN BIT #10 (DGTJ)

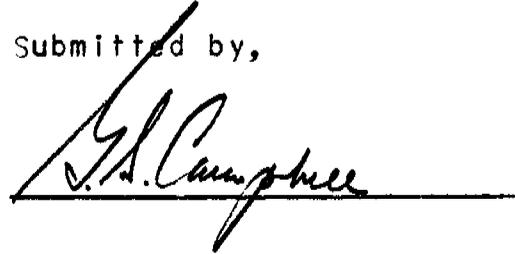


APRIL 9

FIN. HOLE TO 2014. RAN SCHLUMBERGER
LOGS. PREP. TO PLUG. SEE PLUGGING PROGRAM.

(FOR DETAILS SEE GEOLOGIST'S STRIP LOG)

Submitted by,

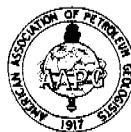


Distribution: Quintana 6 copies



GSC:gb

GRAHAM S. CAMPBELL



LIFE MEMBER

CERTIFIED PROFESSIONAL GEOLOGIST 832
GEOLOGICAL ENGINEER

Log Analysis

COMPANY

QUINTANA Petroleum Corp.

WELL

QUINTANA Fed #30-

FIELD

W/C

COUNTY

Summit

STATE

Utah

DEPTH	ρ_0	ρ_N	ΔT	R_T	R_w	% POROSITY X-P	% WATER	REMARKS
1994	15	25	102	39	2.5	20	100	
1984	24	30	115	42		27	90	
1979	23	27	105	85		25	69	
1964	17	28	102	40		22½	100	
1948	23	28	106	50		25½	88	
1928	4	15	74	70		9½	100	
1913	3	27	82	70		15	100	
1900	23	27	106	40		25	100	
1863	19	27	106	37		23	100	
1849	18	27	106	40		22½	100	
1815	21	30	113	35	↓	25½	100	
1753	9	18	86	55	1.1	13½	100	
1725	9	17	68	60		13	100	
1642	18	24	111	30		21	87	
1567	15	23	96	27		19	100	
1515	21	30	115	50		25½	65	
1451	15	15	118	14		15	100	
1181	21	29	114	20		25	89	
1049	25	32	121	15	↓	28½	91	

- R_w 's From RWA method
 - SANDS THAT DO DEVELOPE APPEAR DIRTY ON LOGS

All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents, or employees. These interpretations are also subject to Clause 7 of our General Terms and Conditions as set out in our current Price Schedule.

DATE 4-9-77	LOCATION Rock Springs	ENGINEER WEIMER
----------------	--------------------------	--------------------

CIRCULATE TO:

DIRECTOR	<input type="checkbox"/>
PETROLEUM ENGINEER	<input type="checkbox"/>
MINING ENGINEER	<input type="checkbox"/>
ADMINISTRATIVE ASSISTANT	<input checked="" type="checkbox"/>
ALL	<input checked="" type="checkbox"/>
RETURN TO OFFICE	<input type="checkbox"/>

Kathy D.
FOR FILING

April 12, 1977

Memo to File:

Re: Quintana Petroleum Corporation
Quintana Federal 30-1
Sec. 30, T. 3N., R 10E.
Summit County, Utah

Mr. Wayne Snider's secretary called to inform this office that the U.S.G.S. approved the P & A on the above listed well.

His office will send copies of the forms they sent to the U.S.G.S. on the plugging of same well.

PATRICK L. DRISCOLL
CHIEF PETROLEUM ENGINEER

/kw
cc: U.S. Geological Survey

QUINTANA PETROLEUM CORPORATION

601 JEFFERSON STREET-CULLEN CENTER

HOUSTON, TEXAS

April 18, 1977

PLEASE ADDRESS CORRESPONDENCE TO:
P. O. BOX 3331
HOUSTON, TEXAS 77001

RE: Quintana - Federal Well No. 30-1
Summit County, Utah
(API 43-043-30045)

Mr. E. W. Guynn
United States Geological Survey
Department of the Interior
125 South State Street
Salt Lake City, Utah 84138



Dear Sir:

Enclosed is Form 9-330 for the subject well which was plugged and abandoned on April 9, 1977. The well logs were submitted previously to your office and a geologic report will be submitted when completed.

In compliance with the seeding requirements set forth by your office, restoration of the drill site will be completed in the Fall of 1977. Upon completion of restoration, Quintana will request a site inspection by submitting Form 9-331.

Yours truly,

A handwritten signature in cursive script, appearing to read "W. A. Schneider".

W. A. Schneider

WAS/eh
attach.

cc: State of Utah
Dept. of Natural Resources
1588 W. North Temple
Salt Lake City, Utah
Attn: Patrick L. Driscoll

Mr. Driscoll: A set of well logs will be submitted to your office as soon as we receive the final prints.

WS

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5

5. LEASE DESIGNATION AND SERIAL NO.

U-2110

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME

Quintana - Federal

9. WELL NO.

30-1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 30, T3N, R10E, SLM

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

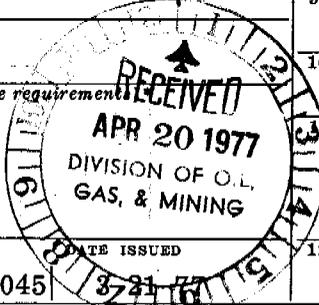
1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

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

2. NAME OF OPERATOR
Quintana Petroleum Corporation

3. ADDRESS OF OPERATOR
P. O. Box 3331, Houston, Texas 77001

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface 637' FNL and 665' FEL
At top prod. interval reported below N/A
At total depth Same as surface location.



14. PERMIT NO. API 43-043-30045 12. COUNTY OR PARISH Summit 13. STATE Utah

15. DATE SPUNDED 3-30-77 16. DATE T.D. REACHED 4-9-77 17. DATE COMPL. (Ready to prod.) N/A 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* RKB = 7976'/MSL 19. ELEV. CASINGHEAD 7970'

20. TOTAL DEPTH, MD & TVD 2014' 21. PLUG, BACK T.D., MD & TVD P&A 22. IF MULTIPLE COMPL., HOW MANY* N/A 23. INTERVALS DRILLED BY → 24. ROTARY TOOLS 2014' 25. CABLE TOOLS

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

25. WAS DIRECTIONAL SURVEY MADE
Straight hole only.

26. TYPE ELECTRIC AND OTHER LOGS RUN
Dual Induction, Compensated Neutron-Density, BHC Sonic

27. WAS WELL CORED
No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	48#	132'	17-1/2	450 sx - to surface	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

N/A

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
<u>N/A</u>	
<u>P&A plugs previously provided on Form 9-331.</u>	

33.* PRODUCTION

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

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

FLOW. TUBING 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.) N/A TEST WITNESSED BY _____

35. LIST OF ATTACHMENTS No drillstem test, no cores, no shows.

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

SIGNED W. A. Schneider TITLE Petroleum Engineer DATE 4-15-77

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

INSTRUCTIONS

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

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

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

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

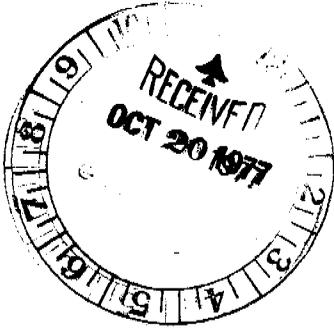
37. SUMMARY OF POROUS ZONES:

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Wasatch	85'	1880'	No shows. Mostly shale.
Lower Wasatch	1880'	2014'	No shows. Intermixed sand and shale.
No cores for		drillstem tests were taken.	

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Quaternary Alluvium	6'	6'
Wasatch	85'	85'
Lower Wasatch	1880'	1880'



QUINTANA PETROLEUM CORPORATION

500 JEFFERSON BUILDING-CULLEN CENTER

HOUSTON, TEXAS

October 18, 1977

PLEASE ADDRESS CORRESPONDENCE TO:
P. O. BOX 3331
HOUSTON, TEXAS 77001

RE: Quintana - Federal Well No. 30-1
Summit County, Utah

Mr. E. W. Guynn
United States Geological Survey
Department of the Interior
125 South State Street
Salt Lake City, Utah 84138

Dear Mr. Guynn:

Attached are three copies of Form 9-331, requesting your final inspection of the location for the abandoned subject well.

Please advise if you need additional information.

Yours truly,

W. A. Schneider
Petroleum Engineer

WAS/eh
attach.

cc: State of Utah (w/copy of Form 9-331)
Division of Oil, Gas and Mining
1588 West North Temple
Salt Lake City, Utah 84116
Attn: P. L. Driscoll

Phillips Petroleum Co. (w/attach.)
1300 Security Life Bldg.
Denver, Colorado 80202
Attn: Don Buelow

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

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 Form 9-331-C for such proposals.)

1. oil well gas well other P & A

2. NAME OF OPERATOR
Quintana Petroleum Corporation

3. ADDRESS OF OPERATOR
P. O. Box 3331, Houston, Texas 77001

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 637' FNL and 665' FEL
AT TOP PROD. INTERVAL: N/A
AT TOTAL DEPTH: Same as surface location

5. LEASE
U-2110

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

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
Quintana Federal

9. WELL NO.
30 - 1

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 30, T3N, R10E, SLM

12. COUNTY OR PARISH
Summit

13. STATE
Utah

14. API NO.
43-043-30045

15. ELEVATIONS (SHOW DF, KDB, AND WD)
GL 7974'; KDB 7982'

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>
(other) <u>Request for final inspection.</u>	

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)*

The subject well was plugged and abandoned on April 9, 1977, and the location is ready for final inspection. A regulation dry hole marker has been installed, all holes have been filled, all material and junk have been removed, and the area has been reshaped and reseeded.

Mr. A. W. Burt, the surface landowner, has inspected the location and agrees that the restoration has been completed to his satisfaction.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED W. A. Schneider TITLE Petroleum Engr. DATE October 17, 1977

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:
cc: State of Utah
Division of Oil, Gas and Mining
1588 West North Temple
Salt Lake City, Utah 84116
Attn: P. L. Driscoll

*See Instructions on Reverse Side

