

FILE NOTATIONS

Entered in NID File

Entered On SR 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 8-19-77

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 _____

CIRCULATE TO:

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

QUINTANA PRODUCTION CO.

601 JEFFERSON STREET-CULLEN CENTER

HOUSTON, TEXAS

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

RETURN TO

Kathy
FOR FILING

January 7, 1977

Geological & Mineral Survey
606 Black Hawk Way
Research Park
Salt Lake City, UT 84108

Division of Lands
State Capitol Bldg., Rm. 105
Salt Lake City, UT 84114

Division of Oil, Gas & Mining
1588 West, North Temple
Salt Lake City, UT 84116

Summit County
Summit County Courthouse
Coalville, UT 84701

Gentlemen:

Quintana plans to drill a 11,500 foot test well in Section 20, T3N, R10E Summit County, Utah during the first quarter of 1977. The drill site surface land and minerals are privately owned.

Please send us your office's requirements, together with the necessary forms, that we will need to meet prior to, during and after drilling the subject well. Also, please send a set of rules and regulations governing oil and gas operations in the State of Utah.

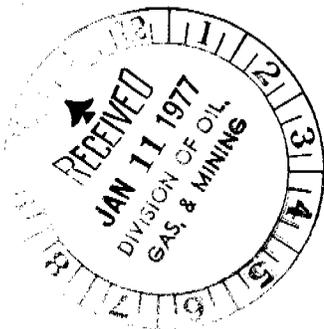
*(All necessary forms & rules
- Mailed out: 11-11-77)
H.O.*

Very truly yours,

W. A. Schneider

W. A. Schneider
Petroleum Engineer

WAS/ces



NELSON J. MARSHALL
PHONE 789-0272

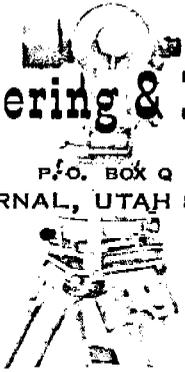
GENE STEWART
PHONE 789-1795

LAWRENCE C. KAY
PHONE 789-1125

OFFICE LOCATION
110 E. FIRST SOUTH
PHONE 789-1017

Uintah Engineering & Land Surveying

P.O. BOX Q
VERNAL, UTAH 84078



January 20, 1977

U.S. Geological Survey
8426 Federal Building
Salt Lake City, Utah 84138

Attention: Ed Gwynn

Gentlemen:

CIRCULATE TO:

DIRECTOR	_____	<input type="checkbox"/>
PETROLEUM ENGINEER	_____	<input checked="" type="checkbox"/>
MINE COORDINATOR	_____	<input checked="" type="checkbox"/>
ADMINISTRATIVE ASSISTANT	_____	<input type="checkbox"/>
ALL	_____	<input type="checkbox"/>

RETURN TO *Nelson J. Marshall*
FOR FILING

As consultants for Quintana Petroleum Corporation, and in accordance with NTL 6 Regulations, we are requesting permission to survey the following well locations:

- Quintana Federal 20-1 in the NE 1/4 NE 1/4 Section 20, T3N, R10E, SIM. ✓
- Quintana Federal 30-1 in the NE 1/4 NE 1/4 Section 30, T3N, R10E, SIM.

Please see attached topographic map.

We plan to use or improve existing roads as much as possible in all cases.

Sincerely,

Nelson J. Marshall
President
UINTAH ENGINEERING & LAND SURVEYING

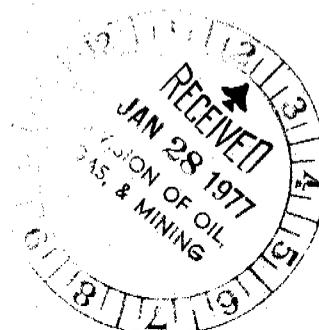
Enclosure

cc: Quintana Petroleum Corporation
P.O. Box 3331
Houston, Texas



File in Duplicate

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



DESIGNATION OF AGENT
* * * * *

The undersigned producer, operator, transporter, refiner, gasoline or initial purchaser who is conducting oil and/or gas operations in the State of Utah, does, pursuant to the Rules and Regulations and Rules of Practice and Procedure of the Division of Oil, Gas, and Mining of the State of Utah, hereby, appoint *Senior & Senior, Attorneys at Law, whose address is 10 Exchange Place, Salt Lake City, Utah 84111, (~~his or her~~ its) designated agent to accept and to be served with notices from said Board, or from other persons authorized under the Oil, Gas, and Mining Act of The State of Utah.

The undersigned further agrees to immediately report in writing, all changes of address of the agent, and any termination of the agent's authority, and in the latter case, the designation of a new agent or agents shall be immediately made. This designation of agent, however, shall remain in full force and effect until and unless a new designation agent is filed in accordance with said statute and said regulations.

Effective date of designation January 19, 1977

Company QUINTANA PETROLEUM CORPORATION Address P.O. Box 3331, Houston, Texas 77001

By  Title Executive Vice President - Oil and Gas
(signature) OK-132c
John B. Brock

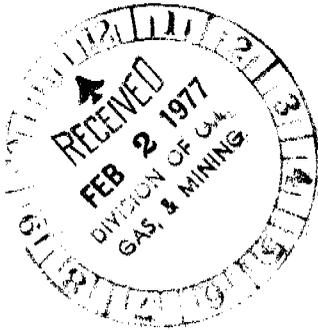
* Raymond T. Senior, a resident of the State of Utah, of the firm of

NOTE: Agent must be a resident of the State of Utah

QUINTANA PETROLEUM CORPORATION

500 JEFFERSON BUILDING
CULLEN CENTER
HOUSTON, TEXAS 77002

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



January 31, 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
Albert W. Burt, et al Well #20-1
Sec.20, T3N, R10E, SLM
Summit County, Utah

Gentlemen:

Enclosed are three copies of our application for permit to drill the subject well. The survey plats for this well are being mailed to you under separate cover by Uintah Engineering and Land Surveying of Vernal, Utah. *etc*

The subject well will be drilled on fee land. A \$25,000 blanket bond dated January 21, 1977 which covers all fee and patented lands in the State of Utah should have already been sent to you under separate cover by Senior and Senior, Attorneys at Law, Salt Lake City. *etc*

Please let me know if there are any questions regarding this application.

Very truly yours,

W. A. Schneider

WAS/mjc
Attachment

CC: Phillips Petroleum Company w/attachment
1300 Security Life Bldg.
Denver Colo. 80202
Attn: Mr. R. K. Roderick

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

5. Lease Designation ~~XXXXXXX~~
Albert W. Burt, et al
6. If Indian, Allottee or Tribe Name
N/A
7. Unit Agreement Name
N/A
8. Farm or Lease Name
Albert W. Burt, et al
9. Well No.
20-1
10. Field and Pool, or Wildcat
Wildcat
11. Sec., T., R., M., or Blk. and Survey or Area
Sec. 20, T3N, R10E, SLM

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

4. Location of Well (Report location clearly and in accordance with any State requirements.)*
At surface 2107' FWL and 601' FSL, Section 20,
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 drig. line, if any) 533'
16. No. of acres in lease 320
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 11,500
20. Rotary or cable tools Rotary

21. Elevations (Show whether DF, RT, GR, etc.)
Ground Level (Ungraded) = 7964'/MSL

22. Approx. date work will start*
February 15, 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"	32.3# & 36#	2000'	1605 ft. ⁵
8 3/4	7"	23#, 26#, & 29#	11,500'	1106 ft. ³ (Two Stage)

Purpose: To drill an 11,500' vertical hole to evaluate the Twin Creek, Nugget, Weber, and Madison Formations.

A drilling contractor has not been selected at this time, however, it is our intention to have an annular type blowout preventer and diverter line installed while drilling the 12 1/4" surface hole to 2000'. The 9 5/8" surface casing will be cemented to surface and blowout preventers installed. The blowout prevention system will consist of a minimum of one set of blind runs, one set of pipe runs, and an annular preventer- all rated to at least 3000 psi working pressure. All preventers and manifold valves will be tested prior to drilling ahead and subsequently at 7 to 10 days intervals. All significant hydrocarbon shows will be evaluated by logs and/or drill stem tests and cores. If 7" production casing is set all hydrocarbon zones will be isolated with cement.

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 [Signature] Title Petroleum Engineer Date 1-31-77

(This space for Federal or State office use)

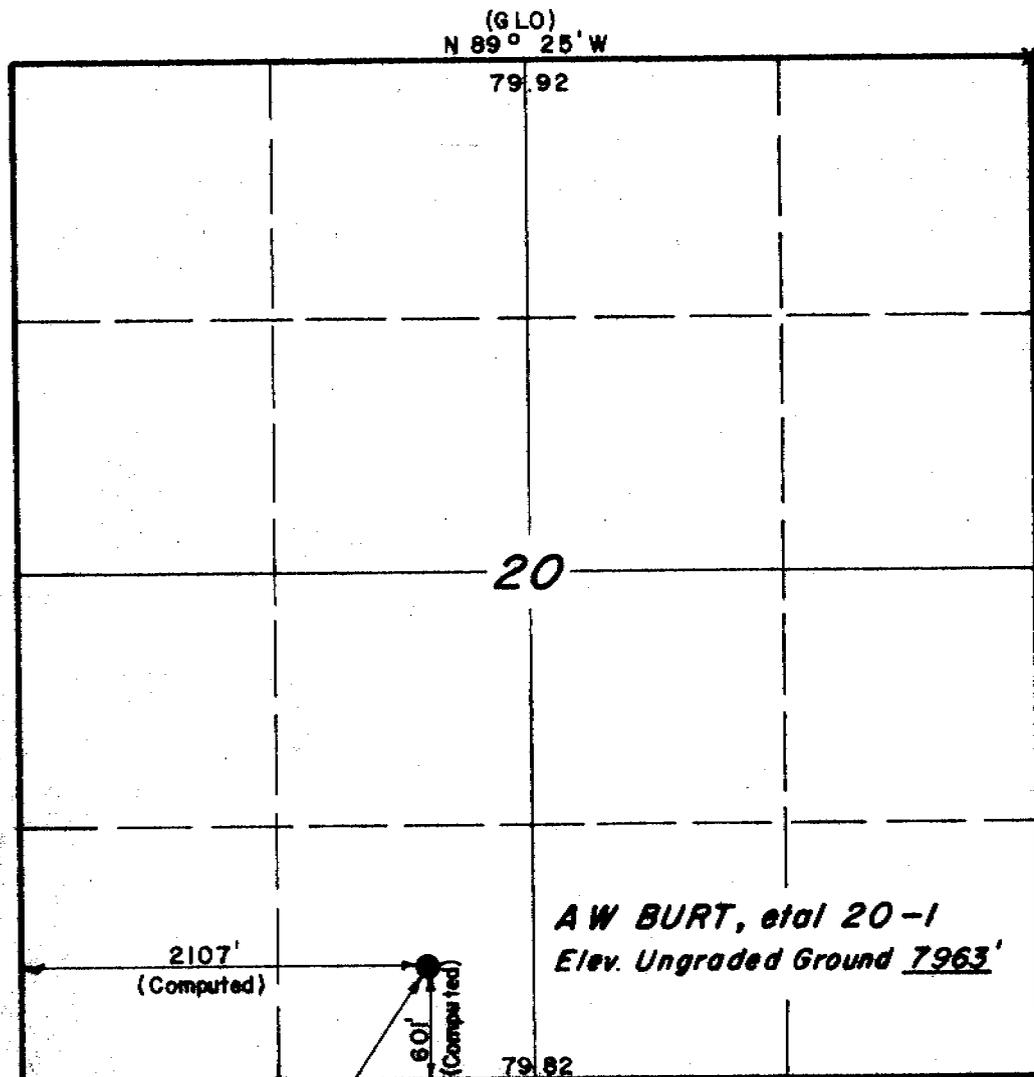
Permit No. 43-043-30042 Approval Date

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

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

PROJECT
QUINTANA PETROLEUM CORP.

Well location located as shown
 in the SE 1/4 SW 1/4 Section 20, T3N,
 R10E, S.L.B.&M. Summit 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.

John 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

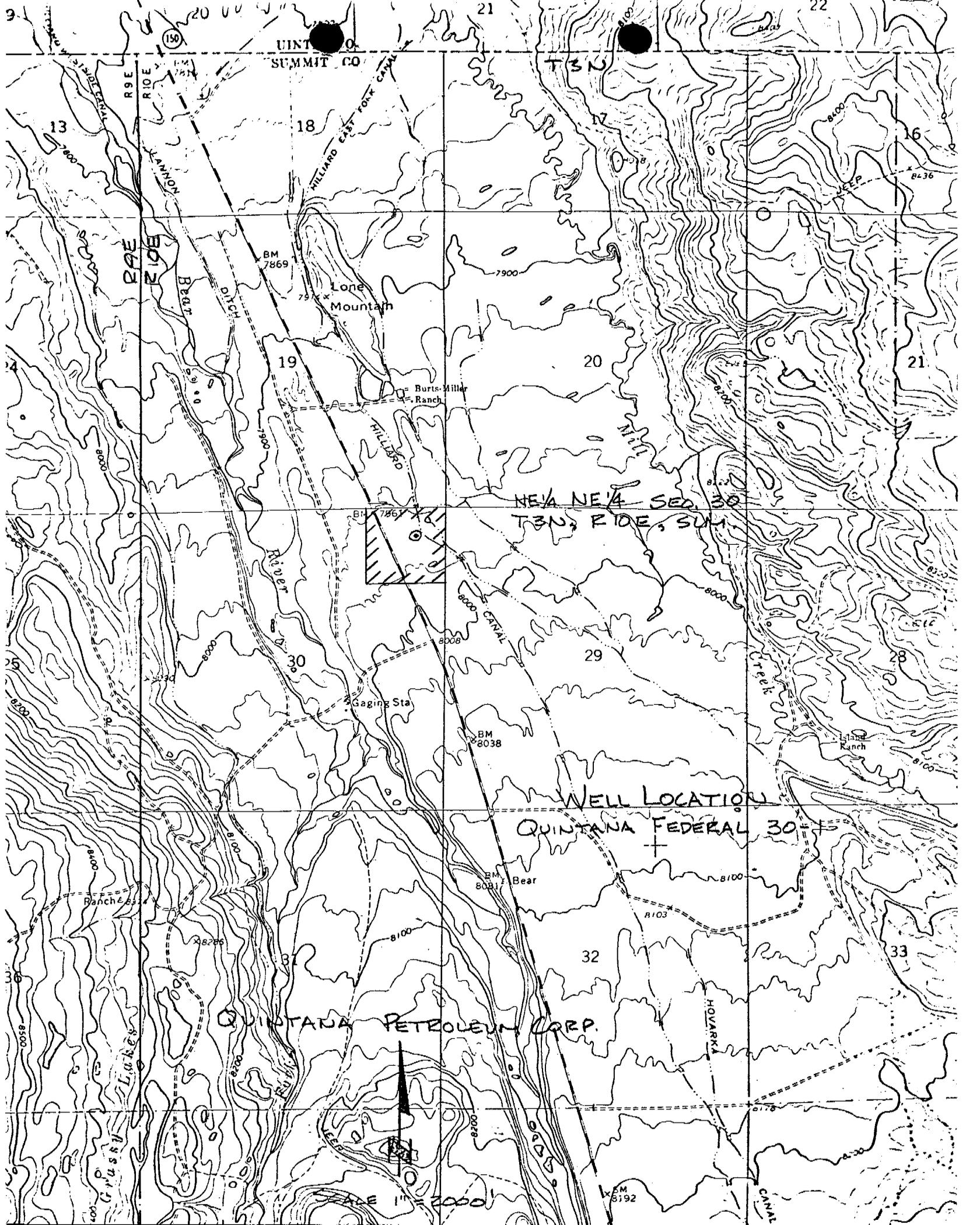
SCALE 1" = 1000'	DATE 1-31-77
PARTY L.D.T	REFERENCES GLO Plat
WEATHER Fair	FILE QUINTANA

NOTE

Basis for bearing is a Solar Observation
 of the Sun made on January 29, 1977.

East 1/4 Corner Section 30,
 T3N, R10E, S.L.B.&M. X = Section Corners Located

(See Note)
 N 33° 27' 30" E
 3869.83'



QUINTANA PETROLEUM CORP.
SUMMIT CO.

T3N

R9E
R10E
R11E

NE 1/4 SEC 30
T3N, R10E, SUM

WELL LOCATION
QUINTANA FEDERAL 30

QUINTANA PETROLEUM CORP.

SCALE 1" = 2000'



BM 7869

BM 7867

BM 8038

BM 8031

Bear

BM 8192

Lone Mountain

Burtis-Miller Ranch

Gaging Sta

Island Ranch

Ranch

Grassy Lake

WILLARD EAST FORK CANYON

LANNON

DITCH

River

CENAL

TRAIL

HOWARK

CENAL

9.1

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STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING

** FILE NOTATIONS **

Date: Feb. 3-
Operator: Quintana Petroleum Corp.
Well No. Albert W. Bust et al # 20-1
Location: Sec. 20 T. 3N R. 10E, County: Summit

File Prepared	<input checked="" type="checkbox"/>	Entered on N.I.D.	<input checked="" type="checkbox"/>
Card Indexed	<input checked="" type="checkbox"/>	Completion Sheet	<input checked="" type="checkbox"/>

Checked By:

Administrative Assistant: [Signature]

Remarks: No other wells in Township -

Petroleum Engineer: [Signature]

Remarks:

Director: 7

Remarks:

*Anderson
Rig 6 well drill*

Include Within Approval Letter:

Bond Required <u>Ok Filed</u>	Survey Plat Required <input type="checkbox"/>
Order No. <input type="checkbox"/>	Surface Casing Change <input type="checkbox"/> to _____

Include Standard Instruction Form

Rule C-3(c), Topographical 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

QUINTANA ENGINEERING & LAND SURVEYING

DRAWER Q • VERNAL, UTAH 84078 • PHONE 789-1017

MESSAGE

REPLY

TO

DATE

DATE 1-31-77

Dear Sir:

Please Place these plats
with the application which Quintana
is or has mailed to you.

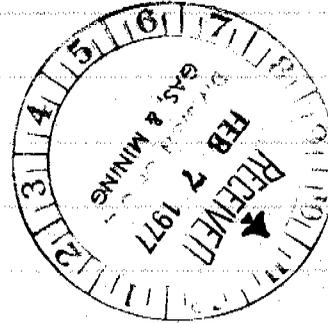
BY

John Slauch

Form N-103-R The Drawing Board, Inc., Box 505, Dallas, Texas

INSTRUCTIONS TO SENDER:

1. KEEP YELLOW COPY. 2. SEND WHITE AND PINK COPIES WITH CARBON INTACT.

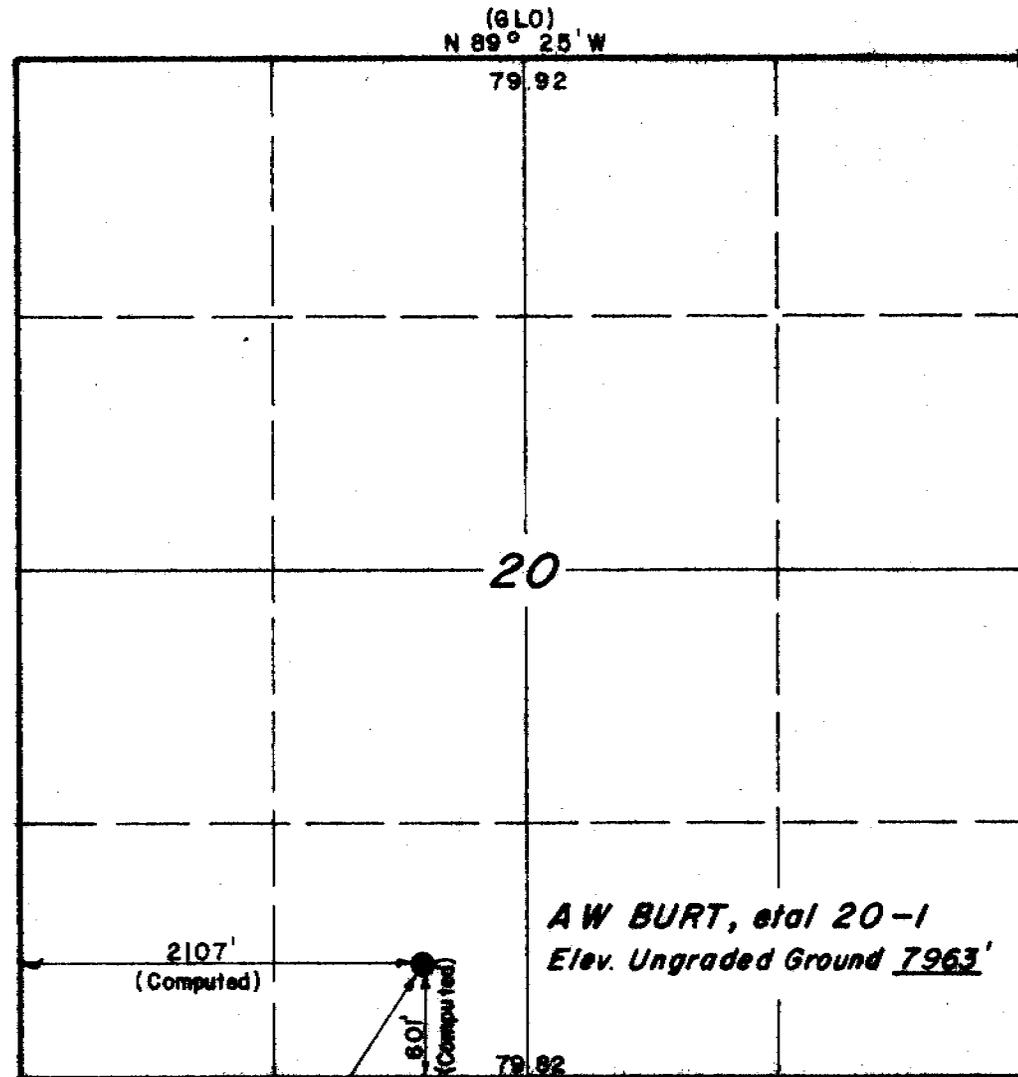


SIGNED

INSTRUCTIONS TO RECEIVER:

1. WRITE REPLY. 2. DETACH STUB, KEEP PINK COPY, RETURN WHITE COPY TO SENDER.

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



AW BURT, et al 20-1
Elev. Ungraded Ground 7963'

NOTE

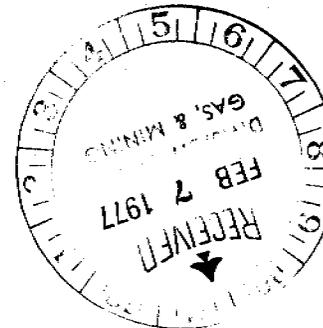
Basis for bearing is a Solar Observation
of the Sun made on January 29, 1977.

East 1/4 Corner Section 30,
T3N, R10E, S.L.B.&M. X = Section Corners Located

PROJECT

QUINTANA PETROLEUM CORP.

Well location located as shown
in the SE 1/4 SW 1/4 Section 20, T3N,
R10E, S.L.B.&M. Summit 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.

Sara 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

SCALE 1" = 1000'	DATE 1-31-77
PARTY L. D. T.	REFERENCES GLO Plat
WEATHER Fair	FILE QUINTANA

February 7, 1977

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

Re: Well No. Albert W. Burt et al
No. 20-1
Sec. 20, T. 3 N, R. 10 E,
Summit County, Utah

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 43-043-30042.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT
DIRECTOR

/SW

CIRCULATE TO:

DIRECTOR _____
PETROLEUM ENGINEER _____
MINE COORDINATOR _____
ADMINISTRATIVE ASSISTANT _____
ALL _____
RETURN TO Kathy O.
FOR FILING

August 23, 1977

Memo To File:

Re: Quintana Petroleum
Burt 20-1
Sec. 20. T. 3 N., R. 10 E.
Summit County, Utah

Permission was given on August 19, 1977 to plug and abandon the above named well.

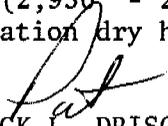
Significant information is as follows:

Total Depth	11,020'
Surface pipe	9 5/8" to 2,850'

Tops:

Wasatch	Surface
Mesaverde Group	2,900'
Twin Creek	5,580'
Nugget	5,580'
Ankareh	7,615'
Thaynes	8,685'
Woodside	9,430'
Dinwoody	10,030'
Phosphoria	10,230'
Weber	10,720'

This well was plugged and abandoned by setting a 75 sack plug from 6,600' to 6,500' and 75 sacks through shoe of 9 5/8" (2,950' - 2,800') and then a 10 sack plug at the top of the surface with a regulation dry hole marker.


PATRICK L. DRISCOLL
CHIEF PETROLEUM ENGINEER

PLD/ksw

QUINTANA PETROLEUM CORPORATION

500 JEFFERSON BUILDING-CULLEN CENTER

HOUSTON, TEXAS

PLEASE ADDRESS CORRESPONDENCE TO:

P. O. BOX 3331

HOUSTON, TEXAS 77001

November 15, 1977

RE: Albert W. Burt, et al, No. 20-1
Section 20, T3N, R10E
Summit County, Utah
API No. 43-043-30042

Mr. Patrick L. Driscoll, Chief Petroleum Engineer
Department of Natural Resources
Division of Oil, Gas and Mining
1588 West North Temple
Salt Lake City, Utah 84116



Dear Pat:

As we discussed on the telephone on November 14th, I am sending along our Notice of Intention to Abandon the subject well and the subsequent Report of Abandonment. Once again I apologize for being so late in getting these to you.

Also enclosed for your information is a copy of our daily drilling record for this well. I believe that this will complete your office's requirements; however, if we have overlooked anything, please let us know.

Yours truly,

Handwritten signature of W. A. Schneider.

W. A. Schneider

WAS/eh
attach.

cc: Phillips Petroleum Company
1300 Security Life Building
Denver, Colorado 80202

Amoco Production Company
Security Life Bldg.
Denver, Colorado 80202

QUINTANA PETROLEUM CORPORATION
DRILLING RECORD



SHEET D
PAGE NO. 1

LEASE A. W. BURT, ET AL, WELL NO. 20-1 FIELD WILDCAT

DATE	E.T.D.	DETAILS OF OPERATIONS, DESCRIPTIONS & RESULTS
3-25-77		TD 32'. MW 8.8 Visc 60 Glacial gravel. Cmt. outside of 36" pipe in rat hole. WOC. Spudded well 1800 hrs. 3-24-77. Operating in heavy snow storm. DC: \$8,900 DIC: \$8,900 CTD: \$132,748 CIC: \$132,748 AA: \$1,076,100
3-28		PBTD 0' MW 8.6 Visc 55 Ph 12 Drld KD to 48'. Hole caving w/ glacial moraine. Redrilled and wshd. Hole caving. Filled hole w/ cmt. WOC. RU and drld rat hole and set shuck. Days on Location: 5 DC: \$20,252 DIC: \$20,252 CTD: \$153,000 CIC: \$153,000 AA: \$1,076,100
3-29		TD 45' MW 8.8 Visc 58 WL 11.8 Ph 12 Glacial Moraine Drld mouse hole. Drld cmt. and boulders to 45'. Hole caving and losing mud. Redrld hole - still caving. Now RU Halco. Days on Location: 6 DC: \$7,364 DIC: \$7,364 CC: \$160,364 CIC: \$160,364 AA: \$1,076,100
3-30		TD 45'. MW 9.0 Visc 47 WL 18 Ph 12 Repaired rig. Cmt. hole from 45' to ground w/ 100 sx "G" w/ 3% CaCl. WOC. Drld cmt. and 5' boulders to 45'. Now making connection. Days on Location: 7 DC: \$6,907 DIC: \$6,907 CTD: \$167,271 CIC: \$167,271 AA: \$1,076,100
3-31		TD 78'. MW 8.8 Visc 45 Drilling Days on Location: 8 DC: \$7,860 DIC: \$7,860 CTD: \$175,131 CIC: \$175,131 AA: \$1,076,100
4-1		TD 135'. Drilling MW 9 DC: \$13,949 DIC: \$13,949 CTD: \$189,000 CIC: \$189,000 4/2 - 4/4 77 Drilled to 188'. Opened hole to 17.5" to 162'. Ran 13 3/8" csg. and set at 140'. Cemented with 450 sxs. WOC. Now NU BOP's. DC: \$5,000 DIC: \$5,000 CTD: \$224,848 CIC: \$223,003
4-5		TD 188'. Cleaned pits. NU BOP's. Days on location: 13 DC: \$6,279 DIC: \$6,279 CTD: \$231,127 CIC: \$229,282
4-6-77		TD 215'. Operations - Finished NU. Now drilling. DC: \$6,301 DIC: \$6,301 CTD: \$237,429 CIC: \$235,583
4-7-77		TD 637'. MW 10.3 Drilling. DC: \$10,900 DIC: \$10,900 CTD: \$248,329 CIC: \$246,483
4-8		HOLIDAY -- GOOD FRIDAY
4-11		TD 2170'. Transition MW 9.7 Visc 32 WL 68 Ph 10.5 Present Operations - Drlg in Wasatch transition (near unconformity) pump repairs). Drld to 1123'. TNB. Drld 12 1/4" hole to 1793'. TNB and 8 3/4" BHA. Drld to 2147'. TNB. Drlg. Days on Location: 19 DC: \$8,230 DIC: \$8,230 CTD: \$283,615 CIC: \$281,770 AA: \$1,076,100
4-12-77		TD 2282'. SH & SD. MW 9.7 Visc 33 WL 56 Ph 11 Drld. to 2237'. C.O. Samples. TOOH for pump repairs. Change BHA. TIH. Drlg. Survey 20 at 2235'. Days on Location: 20 DC: \$7,165 DIC: \$7,165 CTD: \$290,780 CIC: \$288,935 AA: \$1,076,100

QUINTANA PETROLEUM CORPORATION
WEEKLY SUMMARY - WEEK OF 6/20 - 6/24/77
A. W. BURT WELL 20-1
SUMMIT COUNTY, UTAH

- 6-20-77 TD 7444' shale, lime & sand. Mud 9.0. Visc. 36. WL 5.2.
Received orders to drill ahead. WIH. Light reaming
6868-7002'. Drilled and surveyed to 7444'. Now TNB. No
shows.
DC/DIC \$6,863; CTD \$971,528; CIC \$932,652. AA \$1,076,100.
- 6-21-77 TD 7444' shale, lime & sand. Mud 9.0. Visc. 36. WL 5.2.
Losing a little mud before trip. TOOH. Hole took extra
mud to fill. Change out 3 DC's. Test BOP's and all
valves to 1500 psi. PU new bit. WIH to casing shoe with
no returns. Could not fill hole on annulus. Now building
mud volume to 8.8 ppg.
DC/DIC \$8,351; CTD \$979,879; CIC \$941,003. AA \$1,076,100.
- 6-22-77 TD 7514' sand. Mud 8.6. Visc. 35. WL 6.0.
Built volume in pits. Filled annulus with 60 barrels.
Watch annulus - stood full. FIH. Washed 120' to bottom -
no fill. Now drilling hard Nugget sand with full returns.
DC/DIC \$8,719; CTD \$988,598; CIC \$949,722. AA \$1,076,100.
- 6-23-77 TD 7583' sand and shale. Mud 8.8. Visc. 36. WL 5.6.
Drilled with no lost mud. TNB. Now GIH.
DC/DIC \$10,469; CTD \$999,067; CIC \$960,191.
AA \$1,590,440 (Supplemented).
- 6-24-77 TD 7681' shale, sand & lime. Mud 8.7. Visc. 35. WL 5.6.
Washed 60' to bottom. No fill. Drilling. Top of Ankareh
shale at 7615'. Now drilling ahead.
DC/DIC \$6,729; CTD \$1,005,796; CIC \$966,920.
AA \$1,590,400.

QUINTANA PETROLEUM CORPORATION
WEEKLY SUMMARY - WEEK OF 6/27 - 7/1/77
A. W. BURT WELL 20-1
SUMMIT COUNTY, UTAH

- 6-27-77 TD 7893' shale, sand lime & dolo. Mud 8.8. Visc. 35. WL 6.0.
Drilled to 7683'. TNB. Drilled to 7741'. TNB. Now
drilling Ankareh shale with no mud loss. Survey at 7791' was
8-1/2". Now drilling ahead.
DC/DIC \$7,195; CTD \$1,032,497; CIC \$993,621.
AA \$1,590,400.
- 6-28-77 TD 8008' lime and shale. Mud 9.0. Visc. 36. WL 5.6.
Drilled and surveyed. No mud loss. Now drilling at 5'/hour.
DC/DIC \$7,187; CTD \$1,039,684; CTD \$1,000,808.
AA \$1,590,400.
- 6-29-77 TD 8042' shale and sand. Mud 9.0. Visc. 35. WL 4.8.
Drilled to 8015'. TNB. Bit and RWP's out of gauge. PU
new RWP's. Change to pendulum BHA. TIH. Ream 291' to
bottom. Now drilling at 7'/hour.
DC/DIC \$12,380; CTD \$1,052,064; CIC \$1,013,188.
AA \$1,590,400.
- 6-30-77 TD 8133' red and orange shale. Mud 9.0. Visc. 35. WL 4.8.
Drilling and surveying.
DC/DIC \$7,482; CTD \$1,059,546; CIC \$1,020,670.
AA \$1,590,400.
- 7-01-77 TD 8236' shale, lime, sand and trace of anhydrite.
Mud 8.9. Visc. 38. WL 5.6.
Drilling and surveying. Drilling Ankareh shale at
4-1/2'/hour.
DC/DIC \$9,710; CTD \$1,069,256; CIC \$1,030,380.
AA \$1,590,400.

QUINTANA PETROLEUM CORPORATION
WEEKLY SUMMARY - WEEK OF 7/4 - 7/8/77
A. W. BURT WELL 20-1
SUMMIT COUNTY, UTAH

- 7-5-77 TD 8733' dolomite and shale. Mud 8.8. Visc. 36. WL 6.
Drilled to 8252'. TNB. Magnaflux DC's. Reamed 120' to
bottom. No fill. Drilled and surveyed to 8733'. Top of
Thaynes formation at 8666'. Now drilling ahead.
DC/DIC \$8,046; CTD \$1,101,293; CIC \$1,062,417.
AA \$1,590,400.
- 7-6-77 TD 8785' dolomite, sand, shale and anhydrite.
Mud 8.8. Visc. 35. WL 8.8.
C.O. at 8733'. TNB. Test rams, manifold and upper and
lower kelly cocks to 3000 psi. Test hydril to 1500 psi.
TIH. Wash 60' to bottom - no fill. Now drilling at
7'/hour.
DC/DIC \$10,484; CTD \$1,111,777; CIC \$1,072,091.
AA \$1,590,400.
- 7-7-77 TD 8900' dolomite & lime. Mud 8.9. Visc. 34. WL 7.6.
Drilling Thaynes formation at 6-1/2 ft./hour.
DC/DIC \$7,558; CTD \$1,119,335; CIC \$1,080,459.
AA \$1,590,400.
- 7-8-77 TD 8936' dolomite and lime. Mud 8.8. Visc. 37. WL 6.4.
Drilled to 8936'. TNB. Wash 25' to bottom - 5' soft fill.
Resumed drilling at 6:00 a.m.
DC/DIC \$10,169; CTD \$1,129,504; CIC \$1,090,628.
AA \$1,590,400.

QUINTANA PETROLEUM CORPORATION
WEEKLY SUMMARY - WEEK OF 7/11 - 7/15/77
A. W. BURT WELL 20-1
SUMMIT COUNTY, UTAH

- 7-11-77 TD 9400' lime. Mud 8.9. Visc. 37. WL 5.2.
Now drilling lower Thayne formation at 6-1/2 ft./hour.
DC/DIC \$7,916; CTD \$1,158,374; CIC \$1,119,498.
AA \$1,590,400.
- 7-12-77 TD 9447' lime. Mud 8.9. Visc. 35. WL 5.6.
Drilled to 9402'. TNB. Change out RWP's and shock sub.
Wash and light ream 60' to bottom. Now drilling Thaynes
formation at 6-1/2 ft./hour.
DC/DIC \$13,512; CTD \$1,171,886; CIC \$1,133,010.
AA \$1,590,400.
- 7-13-77 TD 9568' lime and shale. Mud 8.9. Visc. 35. WL 5.9.
Drilling Woodside shale at 6 ft./hour. Top of Woodside
formation at 9462'. Now drilling ahead.
DC/DIC \$7,784; CTD \$1,179,670; CIC \$1,140,794.
AA \$1,590,400.
- 7-14-77 TD 9634' Woodside Shale. Mud 8.9. Visc. 36. WL 5.2.
Drilled to 9601'. TNB. Now drilling at 6 ft./hour.
DC/DIC \$9,964; CTD \$1,189,634; CIC \$1,150,758.
AA \$1,590,400.
- 7-15-77 TD 9803' Woodside Shale, sand and trace of anhydrite.
Mud 8.9. Visc. 42. WL 5.6.
Now drilling Woodside Shale at 7 ft./hour.
DC/DIC \$8,725; CTD \$1,198,359; CIC \$1,159,483.
AA \$1,590,400.

QUINTANA PETROLEUM CORPORATION
WEEKLY SUMMARY - WEEK OF 7/18 - 7/22-77
A. W. BURT WELL 20-1
SUMMIT COUNTY, UTAH

- 7-18-77 TD 10,024' Woodside Shale, sand and trace of anhydrite.
Mud 8.9. Visc. 41. WL 5.9.
Drilled to 9964'. TNB. Deviation incr. @ $\pm 1^\circ/100'$ to 13° .
Left inserts in hole. PU junk sub. Prec. wash to bottom.
No fill. Drilling and making rig repairs. Now drilling
Woodside Shale at 5 ft./hour.
DC/DIC \$8,630; CTD \$1,228,240; CIC \$1,189,364.
AA \$1,590,400.
- 7-19-77 TD 10,103' shale and lime. Mud 8.9. Visc. 34. WL 5.9.
Now drilling ahead.
DC/DIC \$8,282; CTD \$1,236,522; CIC \$1,197,646.
AA \$1,590,400.
- 7-20-77 TD 10,159' shale, dol., lime & anhy. Mud 8.9. Visc. 36.
WL 5.6. Now drilling ahead.
DC/DIC \$8,736; CTD \$1,245,258; CIC \$1,206,382.
AA \$1,590,400.
- 7-21-77 TD 10,173' sand, dol. & shale. Mud 8.9. Visc. 38. WL 5.6.
Drilled to 10,173'. TNB. WIH to 2800'. Now making rig
repairs.
DC/DIC \$10,831; CTD \$1,256,089; CIC \$1,217,213.
AA \$1,590,400.
- 7-22-77 TD 10,173'. Now repairing rig.
DC/DIC \$2,105; CTD \$1,258,194; CIC \$1,219,318.00.
AA \$1,590,400.

QUINTANA PETROLEUM CORPORATION
WEEKLY SUMMARY - WEEK OF 9/5 - 9/9/77
A. W. BURT WELL 20-1
SUMMIT COUNTY, UTAH

- 9-3-77 PBTB 2800'. Mud 8.6. Reamed to 3750'. POOH and laid down bottom hole assembly. WIH with Halliburton "EZ-Drill" retainer on DP and set at 2800'. Pumped 6500 bbls. of sump fluid into formation at 8:00 p.m. and 2200 psi. Now pumping into formation.
DC/DIC \$9,384; CTD \$1,714,849; CIC \$1,675,973. AA \$1,590,400.
- 9-4-77 PBTB 2679'. Mud 8.6. Finishing pumping out sump. Pump 150 sx. neat Class "G" out below retainer and spotted 10 sx. neat Class "G" on top. Reversed out at 2679'. POOH. RU Schl. and ran GR-CCL from 2600-2200'. Ran 4" casing gun and perforated from 2526-2540'. WIH with RTTS tool on DP and set same at 2491'. OK. W.O. Swab rubbers for DP.
DC/DIC \$11,285; CTD \$1,726,134; CIC \$1,687,258.
- 9-5-77 PBTB 2679'. Mud 8.6. Could not find swab cups. WO Halliburton N₂ unit and Otis endless tubing. RU Otis. GIH jetting out mud to bring well in. Now at 700' jetting.
DC/DIC \$4,914; CTD \$1,731,048; CIC \$1,692,172.
- 9-6-77 PBTB 2679'. Mud 8.7. Jetted well to 1900' with no fluid entry. WIH to 2200' and jetted 28 bbls. clear formation water (Cl=500 ppm). Ran out of N₂. Wait on N₂ truck. Started jetting well at 2200'. Jetting clear formation water (Cl=400 ppm) at 20 bbls./hr. Jetted total of 102 bbls. FM. Water with no shows of oil or gas. Recd orders to P & A. PU and set RTTS tool at 2424'. Pressured up on casing to 400 psi. Pumping in remainder of sump fluid at 10 bbls./min. and 1300 psi into old perforations.
DC/DIC \$12,801; CTD \$1,743,849; CIC \$1,704,973.
- 9-7-77 PBTB 2425' cmt. Finished pumping out reserve pit fluid into perfs. Mix 125 sx. Class "G" and squeeze perfs. 2526-2540' with 1300 psi. Squeezed 85 sx. into form. Left top of cmt. at 2425'. RD Halco. LD RTTS. LD DP and DCs. Now ND BOPs.
DC/DIC \$11,343; CTD \$1,755,192; CIC \$1,716,316.
- 9-8-77 Finished ND BOPs. Released rig 3:00 p.m. on 9-7-77. Will move out rig, cut off casinghead, spot 10' surface cement plug, weld on plate, and put up dry hole monument. Today's cost includes \$15,000 to MO rig and \$25,000 est. for location restoration.
WELL P & A. FINAL REPORT.
DC/DIC \$52,160; CTD \$1,807,352; CIC \$1,768,476.
AA \$1,590,400.

**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 Plug and Abandon

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: 2107' FWL and 601' FSL
AT TOP PROD. INTERVAL: N/A
AT TOTAL DEPTH: Same as surface.

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)

5. LEASE
Albert W. Burt, et al

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

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
Albert W. Burt, et al

9. WELL NO.
20-1

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA
Sec. 20, T3N, R10E, S1M

12. COUNTY OR PARISH
Summit

13. STATE
Utah

14. API NO.
43-043-30042

15. ELEVATIONS (SHOW DF, KDB, AND WD)
KDB = 7979' MSL

(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 has been drilled and fully evaluated to a total depth of 11,021' and no commercially producible quantities of hydrocarbons have been encountered. 9-5/8" casing was set at 2854' and cemented to surface. Quintana requests approval to plug and abandon the well as follows:

1. Leave open hole filled with 9.0 ppg mud.
2. Set cement retainer in 9-5/8" casing at ±2800'.
3. Pump 150 sx Neat cement below retainer and spot 10 sx of Neat cement above retainer. Cemented interval will be 2775' to 3200'; casing seat at 2854'.
4. Cut off casing and spot 10 sx of Neat cement at surface.
5. Install dry hole marker.

NOTE: The above procedure has been approved verbally by the Division of Oil, Gas and Mining.

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

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

SIGNED W. A. Schneider TITLE Petroleum Engr. DATE November 15, 1977

(This space for Federal or State office use)

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

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING

DATE: 11-18-77

BY: C. B. F...
By [Signature]

QUINTANA PETROLEUM CORPORATION
DRILLING RECORD

SHEET D
PAGE NO. 2

LEASE A. W. BURT, ET AL, WELL NO. 20-1 FIELD WILDCAT

DATE	E.T.D.	DETAILS OF OPERATIONS, DESCRIPTIONS & RESULTS
4-13-77		TD 2421' sand. Mud 9.5, Visc. 38, WL 48. Drilled to 2421'. Drilling break in streaks 2380' - 2421' with stain and fluorescence (sand). Circulated and conditioned mud and mix nitrate. POOH. Now tripping in hole to DST. DC: \$7,031; Cum: \$297,811 DI: \$7,031; Cum I: \$295,966
4-14		TD 2421'. SD MW 8.9 Visc 32 WL 18 Ph 9 DST no. 1 2382'-2421'. Misrun. Tool plugged w/ sd. LD test tool. TIH. Wsh 60' to btm. Lost circ. PUH to 1677'. No circ. Lost 500 bbls. Mixing LCM. Days on Location: 22 DC: \$6,718 DIC: \$6,718 CTD: \$304,529 CIC: \$302,684 AA: \$1,076,100
4-15-77		2542', SD, SH, & Pyrite MW 8.7 Visc 35 WL 18 Spot LCM pill. Let hole heal 10 hrs. Staged to btm w/ full circ. No fill. Drlg. w/ full returns. DC: \$10,128 DIC: \$10,128 CTD: \$314,657 CIC: \$312,812 AA: \$1,076,100
4-18-77		TD 2820'. Lime & Sd, MW 8.5 Visc 36 WL 18.4 Drl'd to 2648'. DST No. 2 2625' - 2648' times 60/120. IH=FH=1200, IF=FF=103, ISI=FSI=885. Recd. 120' of rat hole mud. Slight blow on IO incr. in 5 mins then decr. to 0 in 20 mins. LD test tool. TIH. Drl'd to 2820': Lost circ. spot LCM. PUH. Spot LCM. Regain circ. stage in hole. Circ. & Cond. mud. Prep. to log. Days on Location: 26 DC: \$26,993 DIC: \$24,162 CTD: \$341,610 CIC: \$336,934
4-19-77		TD 2828'. Lime & SD MW 8.7 Visc 37 WL 17.6 Made 14 std. ST. Circ. & Cond. MOOH. RU Schl. Ran DIL, GR-CNL-Dens-Cal, Int. BHC Sonic, Dipmeter 2828'-142'. Attp. 20 SWC's. Note corr. DST No. 1 interval is 2352'-91 and DST No. 2 2592-2615'. Days on Location: 27 DC: \$8,561 DIC: \$8,561 CTD: \$350,171 CIC: \$345,495
4-20-77		TD 2828'. LM & SD MW 8.9 Visc 46 WL 12.8 Rec'd all 20 SWC's. PU 12 1/4" bit and BHA. Started opening hole at 1799'. Now opening 8 3/4" hole to 12 1/4" at 2050'. Days on Location: 28 DC: \$18,456 DIC: \$18,456 CTD: \$368,627 DIC: \$363,951
4-21-77		TD 2828'. LM & SD. MW 8.9 Visc 42 WL 8.4 - 25% LCM in system. Opened hole to 2423'. Started losing mud. Lost circ. at 2445'. Spot 50 bbl. LCM pill. PUH to 1050'. Spot total 300 bbls LCM pills on vacuum. Lost total 700 bbls. Letting hole heal. Days on Location: 29 DC: \$7,962 DIC: \$7,962 CTD: \$376,589 CIC: \$371,913
4-22-77		TD 2828' LM & Sd MW 8.7 Visc 34 WL 8 Spot 150 bbl. LCM pill. POOH. Pump 350 bbl. LCM pills in stages. Fluid level dropping @ 30'/min. Days on Location: 30 DC: \$11,539 DIC: \$11,539 CTD: \$388,128 CIC: \$383,452
4-25-77		TD2828'. LM & SD. MW 8.9 Visc 38 WL22 WIH open ended to 2400'. Gmt. plug 150 sxs. Halco light, 12#/sk. Gilsonite, 1/4#/sk Flocele, 2% calc. WOC. Drl'd cmt 2191'-2369' with full returns. Open hole to 2613'. TNB. Now opening 8 3/4" hole to 12 1/4" at 2725' w/full returns. Days on location: 33 DC: \$10,304 DIC: \$10,304 CTD: \$418,632 CIC: \$414,956 AA: \$1,076,100

QUINTANA PETROLEUM CORPORATION

SHEET D

DRILLING RECORD

PAGE NO. 3

LEASE A. W. BURT, ET AL, WELL NO. 20-1 FIELD WILDCAT

DATE	E.T.D.	DETAILS OF OPERATIONS, DESCRIPTIONS & RESULTS
4-26-77	TD 2843'	Lime MW 8.9 Visc 41 WL 20 Opened hole to 2828'. C.O. Drld 12 1/4" hole to 2843'. No shows. No loss mud. S.T. No Fill. C. O. POOH. L. D. D. C.'s/ Days on lo-ation: 34 DC: \$6,501 DIC: \$6,501 CTD: \$426,133 CIC: \$421,457 AA: \$1,076,100
4-27-77	TD 2854"	MW 8.8 Visc 41 WL 28 LD BHA. RU & Ran 70 jts. 9 5/8", 36# K-55 Set at 2854' (Corr TD). DV tool at 2120'. C&C Cmt. lower stage w/150 sx light w/1/4# Flocele, 12# Gilsonite, 2% CaCl FB 200 sx "G", 1/4 # Flocele, 10# Gilsonite, 2% CaCl. Full returns. Open DV tool & Circ. 10 hrs. Cmt. upper stage w/700 Sx. Lite, 1/4" F-ocele, 2% CaCl. Bump plug w/2800 psi. Had 125 ft ³ cmt. returns. WOC. Days on location: 35 DC: \$53,855 DIC: \$19,655 CTD: \$479,988 CIC: \$414,112 AA: \$1,076,100
<u>SURFACE CASING DETAIL</u>		
		Halco Guide Shoe 2.78 1 Jt 9-5/8", 36#, K-55 41.46 1 9-5/8" Halco Float Collar 2.29 17 Jts 9-5/8", 36#, K-55 691.69 1 Halco DV Tool 3.37 32 Jts 9-5/8", 36#, K-55 <u>2,116.40</u> Casing Run 2,857.99 Less Casing Cut Off <u>22.49</u> Casing in Hole 2,835.50 TKB <u>18.50</u> Setting Depth <u>2,854.00</u>
4-28-77	TD 2854'	WOC. ND BPO's Cut csg. Install csghd & test welds OK. Days on location: 36 DC: \$6,566 DIC: \$6,566 CTD: \$486,554 CIC: \$477,678 AA: \$1,076,100
4-29-77	TD 2854'	NU BOP's installing Manifold Days on location: 37 DC: \$11,603 DIC: \$11,603 CTD: \$498,152 CIC: \$459,281 AA: \$1,076,100
5-2-77	TD2986'	Shale. MW:8.6, Visc. 86, WL 6.2, FIN NU Tested all Rams, manifold & valves to 3000 psi & hydril to 1500 psi. TIH drill plugs, DV tool, 4 FC. Test CSG to 1000 psi, drill CMT trip for new BHA. Drill to 2986'. Now Tooh looking for washout. 1' shows a 2885' & 2890' top at cretaceous @2945'. DC: \$6,592 DIC: \$6,592 CTD: \$521,651 CIC \$482,775 AA: \$1,076,100
5-3-77	TD 3135'	Shale MW8.8 Visc. 48 WL 7.2 FOOH. Seal on jars failed. LD jars. TIH. Drilling @10ft/hr. DC: \$14,848 DIC:\$14,848 CTD:\$536,499 CIC: 497,623 AA:\$1,076,100
5-4-77	TD 3308'	black shale. Mud 8.7, Visc. 36, WL 11.4. Drilled to 3308'. Tight hole on Conn. (caused by 2' coal streak 3180'-82'). Pulled out of hole. Inspected bottomhole assembly. Picked up jars. Now going in hole. DC: \$7,858; DIC: \$7,858; CTD: \$544,357; CIC: \$505,481; AA \$1,076,100.
5-5-77	TD 3380'	shale and coal. Mud 8.8, Visc. 45, WL 6.2. Finished inspecting drill collars and RWPs. Laid down shock sub. Went in hole to casing shoe. Repaired #2 pump and torque gauge (8 hrs). Finished in hole. Now drilling at 13'/hour. DC: \$33,496*; DIC:\$33,496; CTD: \$577,853; CIC: \$538,977; AA: \$1,076,100. *Note: Daily cost includes lump sum of \$27,800 for two weeks cat work on location.
5-6-77	TD 3609'	shale and coal. Mud 8.8 VISC 52 WL 3.4 Drilled & surveyed. Deviation 2° DC: \$7,306 DIC: \$7,306 CTD: \$585,159 CIC: \$546,283 AA: \$1,076,100

QUINTANA PETROLEUM CORPORATION

DRILLING RECORD

SHEET D

PAGE NO. 4

LEASE A. W. BURT, ET AL, WELL NO. 20-1 FIELD WILDCAT

DATE	E.T.D.	DETAILS OF OPERATIONS, DESCRIPTIONS & RESULTS
5-9-77		TD 3897' shale, sand and lime. Mud 8.8, Visc. 47, WL 4.0. Drilled to 3677'. TNB. Reamed coal streak at 3280'. Had 60' fill. Drilled to 3851'. TNB. Control drilling at 3897'. Deviation: 2° at 3860'. DC \$7,148; DIC \$7,148; CTD \$611,784; CIC \$572,908; AA \$1,076,100.
5-10-77		TD 3978' shale, lime and sand. Mud 8.6, Visc. 38, WL 6. Drilled to 3939'. TNB. Change 6 pt. Drilling at 6'/hour. No shows. DC \$7,678; DIC \$7,678; CTD \$619,462; CIC \$580,586. AA \$1,076,100.
5-11-77		TD 4075' shale, lime and sand. Mud 8.9, Visc. 46, WL 5.2. Drilled to 4026'. TNB. Control drilling at 7'/hour due to hole deviation. DC \$9,432; DIC \$9,432; CTD \$628,934; CIC \$590,018; AA \$1,076,100.
5-12-77		TD 4241' lime, shale and sand. Mud 8.8, Visc. 37, WL 7.2. Now drilling and surveying. DC \$7,513; DIC \$7,513; CTD \$636,447; CIC \$597,571; AA \$1,076,100.
4-13-77		TD 4443' shale, sand and lime. Mud 8.7, Visc. 36, WL 8. Drilling and surveying. DC \$7,012; DIC \$7,012; CTD \$643,459; CIC \$604,533. AA \$1,076,100.
5-16-77		TD 4685' shale, sand and lime. Mud 8.9. Visc. 38, WL 6.8. Drilled to 4443'. TNB. Changed bottomhole assembly. Rig repairs. Drilled and surveyed to 4685'. Pulled up hole into casing for rig repairs. Now waiting for parts. DC \$4,600; DIC \$4,600; CTD \$669,498; CIC \$630,622. AA \$1,076,100.
5-17-77		TD 4685' shale, lime and sand. Mud 8.8. Visc. 36, WL 6. Waiting on mechanic. Installed new clutch in #3 engine. Repaired heat exchange on #1 engine. Center BOPs. Circulated out. Went in hole, Built mud volume. Now preparing to drill. DC \$2,263; DIC \$2,263; CTD \$671,761; CIC \$632,885.
5-18-77		TD 4970' shale, lime and chert. Mud 8.9. Visc. 36. WL 6.8. Drilled and surveyed. Now drilling at 12'/hour. DC \$7,022; DIC \$7,022; CTD \$678,783; CIC \$639,907.
5-19-77		TD 5096' shale, lime and trace of coal. Mud 9.0. Visc. 39. WL 6.4. Drilled to 4988'. TNB. Inspected bottomhole assembly. No drag on trip. No fill. Drilling and surveying. DC \$6,943; DIC \$6,943; CTD \$685,726; CIC \$646,850.
5-20-77		TD 5303' shale, lime and sand. Mud 9.1. Visc. 36. WL 6.8. Drilling and surveying. DC \$10,635; DIC \$10,635; CTD \$696,361; CIC \$657,485.
5-23-77		TD 5516' shale, lime and sand. Mud 8.8. Visc. 36. WL 6.8. Drilled to 5424'. TNB. Washed 25' of fill. Drilled to 5516'. Could not get back to bottom after connection. TOOH. Left one stab. pad in hole. Waiting on fishing tools. Cleaned pits. Tested BOPs & manifold to 1700 psi. TIH w/mill #1 and junk basket. Milled on junk at 5516' for 4-1/2 hrs. TOOH. Recd. six small pieces of junk. PU mill #2 and junk basket and going in hole. DC \$7,438; DIC \$7,438; CTD \$725,366; CIC \$686,490. AA \$1,076,100.
5-24-77		TD 5516'. Mud 9.0. Visc. 45. WL 7.6. PU bottom hole assembly. Milled on junk 10 hrs. Recovered mandrel bolt and junk over shaker. POOH and had hand full of junk in boot basket. WIH w/globe basket and cut 1' core. POOH and recovered hand full of junk in boot basket and piece in core which was 2" long x 2" wide x 1/2" thick. No indication on globe basket of junk on side. Appears all junk recovered. PU stiff hole assembly. Layed down woodpecker. GIH. DC \$11,275; DIC \$11,275; CTD \$736,641; CIC \$697,765. AA \$1,076,100.

QUINTANA PETROLEUM CORPORATION

SHEET D

DRILLING RECORD

PAGE NO. 5

LEASE A. W. BURT, ET AL, WELL NO. 20-1 FIELD WILDCAT

DATE	E.T.D.	DETAILS OF OPERATIONS, DESCRIPTIONS & RESULTS
5-25-77	TD 5545'	Mud 9.0. Visc. 36. WL 7. WIH w/milled tooth bit and reamed 1' core hole. Drilled to 5525'. WIH w/new bit. Drilling ahead. DC \$12,148; DIC \$12,148; CTD \$748,789; CIC \$709,913. AA \$1,076,100.
5-26-77	TD 5641'	shale, lime and sand. Mud 8.8. Visc. 36. WL 7.6. Drilling and surveying. DC \$5,568; DIC \$5,568; CTD \$754,357; CIC \$715,481. AA \$1,076,100.
5-27-77	TD 5736'	lime and shale. Mud 8.9. Visc. 36. WL 8.8. Drilled w/20,000# to 5700'. Ran survey, Reduced weight to 15,000#. (Note: top of Twin Creek at 5580'). Drilled to 5736'. (At 1:00 p.m. were POOH for NB at 5744'. Plan to drill 100-150' and then DST regardless of shows - probably Sunday morning.) DC \$8,255; DIC \$8,255; CTD \$762,612; CIC \$723,736. AA \$1,076,100.
5-28 to 5-31-77	TD 5995'	Mud Wt. 9.1 ppg. Drilled to 5848'. POOH. WIH with HOWCO DST assembly. Tested Twin Creek formation from 5803' to 5848'. No flow. Pulled DST tools. BHP recordings indicate no permeability. WIH with new bit. Now drilling at 5995'. DC \$6,773; DIC \$6,773; CTD \$794,396; CIC \$755,520. AA \$1,076,100.
6-1-77	TD 6043'	shale, sand and lime. Mud 8.9. Visc. 35. WL 8. Drilled to 5995' to 6043'. TFNB. Tested blind and pipe rams, choke, manifold and all valves, upper and lower kelly cock to 3000 psi. Tested Hydril to 1500 psi. OK. DC \$8,037; DIC \$8,037; CTD \$802,433; CIC \$763,557. AA \$1,076,100.
6-2-77	TD 6110'	lime and shale. Mud 9.0. Visc 35. WL 9.8. WIH and drilled to 6110'. Lithology: 70% lime, 30% shale. Plan to continue drilling today and run DST the morning of 6-3-77. DC \$9,074; DIC \$9,074; CTD \$811,507; CIC \$772,631. AA \$1,076,100.
6-3-77	TD 6162'	shale and lime. Mud 9.0. Visc 35. WL 10.4. Drilled to 6118'. Ran survey. Resumed drilling and #1 and #3 engines failed. Circulated and worked pipe while repairing. Drilled to 6162' and pump failure. Now repairing pumps. DC \$7,114; DIC \$7,114; CTD \$818,621; CIC \$779,745. AA \$1,076,100.
6-6-77	TD 6189'	shale and lime. Mud 8.9. Visc. 32. WL 8.9. Drilled to 6163'. POOH for washout and rig repairs. Inspected BHA and changed same. TIH. Now drilling at 5'/hr. DC \$6,446; DIC \$6,446; CTD \$834,258; CIC \$795,382. AA \$1,076,100.
6-7-77	TD 6238'	lime and shale. Mud 9.0. Visc. 35. WL 8.5. Drilled and surveyed. C.O. MOOH. No correction. Now PU tools for DST No. 4. DC \$7,498; DIC \$7,498; CTD \$841,756; CIC \$802,880. AA \$1,076,100.

QUINTANA PETROLEUM CORPORATION

SHEET D

DRILLING RECORD

PAGE NO. 6

LEASE A. W. BURT, ET AL, WELL NO. 20-1 FIELD WILDCAT

DATE	E.T.D.	DETAILS OF OPERATIONS, DESCRIPTIONS & RESULTS
6-8-77		TD 6238' lime and shale. Mud 9.0. Visc. 38. WL 9.6. TIH for DST No. 4 6045-6238'. Packer seat failed. TOOH. Made conditioning trip. Now TIH for DST. DC \$8,087; DIC \$8,087; CTD \$849,843; CIC \$810,967. AA \$1,076,100.
6-9-77		TD 6273' lime and shale. Mud 9.0. Visc. 35. WL 8.4. DST No. 5. Twin Creek 6085-6238'. Weak blow on IO. No blow on FO. Recd. 668' mud. BHP's indicate very low perm. TIH with bit. Now drilling ahead. DC \$11,876; DIC \$11,876; CTD \$861,719; CIC \$822,843. AA \$1,076,100.
6-10-77		TD 6380' lime and shale. Mud 9.0. Visc. 38. WL 8.2. Drilling and surveying. DC \$10,919; DIC \$10,919; CTD \$872,638; CIC \$833,762. AA \$1,076,100.
6-11 to		TD 6614' sand. Mud 9.0. Visc. 40. WL 8.4.
6-13-77		Drilled and surveyed. Top of Nugget at 6575'. No shows. Made conditioning trip. DST No. 6 Nugget 6575-6614'. Strong blow throughout for 10 minutes on IO. ISI = 45 Minutes. On FO for 60 minutes. Strong blow stabilizing in 45 minutes. FSI = 120 minutes. Now POOH with DST No. 6. DC \$10,368; DIC \$10,368; CTD \$212,605; CIC \$197,931. AA \$1,076,100.
6-14-77		TD 6663' sand and lime. Mud 9.0. Visc. 33. WL 7.2. DST No. 6. Nugget 6575-6614'. Times 10/45/60/120. IH = FH = 3049. IF 132-376. FF 395-1351 (not stabilized). ISI = FSI = 2564. Recovered 3600' form water (1000 ppm Cl; RW = 3.10 @ 76°F). Conclusion: wet sand with good perm. WIH with BHA. Reamed 140' to bottom. Drilling and surveying. No shows. DC \$10,581; DIC \$10,581; CTD \$907,418; CIC \$868,542. AA \$1,076,100.
6-15-77		TD 6929' sand. Mud 9.0. Visc. 35. WL 7.4. Drilling and surveying in Nugget formation. No shows. DC \$6,960; DIC \$6,960; CTD \$914,378; CIC \$875,502. AA \$1,076,100.
6-16-77		TD 7002' sand, lime & shale. Mud 9.1. Visc. 35. WL 6.4. Drilled to 6959'. TNB. Reamed 130' to bottom. Drilled to 7002'. Made 10 std. ST OK. Now circulating and conditioning mud. Preparing to log. DC \$11,636; DIC \$11,636; CTD \$926,014; CIC \$887,138. AA \$1,076,100.
6-17-77		TD 7002' sand, lime & shale. Mud 9.1. Visc. 35. WL 6.6. TOOH. RU Schl. Ran DIL 7004-2856'. DTD = 7002'. Ran BHC sonic, CNL/DENS and dipmeter. RD Schl. Now going in hole and WOO. DC \$22,139; DIC \$22,139; CTD \$948,153; CIC \$909,277. AA \$1,076,100.

QUINTANA PETROLEUM CORPORATION
WEEKLY SUMMARY - WEEK OF 7/25 - 7/29/77
A. W. BURT WELL 20-1
SUMMIT COUNTY, UTAH

- 7-25-77 TD 10,173'. Mud 8.9. Visc. 40. WL 4.6.
Drill stem testing.
DC/DIC \$7,202; CTD 1,274,260; CIC \$1,235,384. AA \$1,590,400.
- 7-26-77 TD 10,178' sand, dol. & shale. Mud 8.9. Visc. 41. WL 4.8.
Finished rig repairs. Made cond. trip. DST No. 7 Dinwoody
10,139-10,173' with 1337 psi of water cushion. Times
8/30/30/60. Weak blow decr. to zero in 5 mins. on IF. No
blow on FF. IH=FH=4748 psi, IF=1338 psi (cushion pressure),
ISI=1534 psi, FF=1338-1319 psi, FSI=1421 psi. Recd. 3100' of
cushion and 2' of form SW. No HC Recy. Test indicates low
perm, low volume, high water saturation interval. POOH. PU
BHA. GIH. Now drilling Dinwoody formation @ 3 ft./hour.
DC/DIC \$8,562; CTD \$1,282,822; CIC \$1,243,946. AA \$1,590,400.
- 7-27-77 TD 10,239' dol. & lime. Mud 8.9. Visc. 38. WL 5.2.
Drilled Dinwoody. Had sputty drilling breaks with spotty
poor florescence from 10,185' to 10,205'. C.O. C1, C2,
and C3 at 10,205'. Now drilling Dinwoody at 4½ ft./hour.
DC/DIC \$6,655; CTD \$1,289,477; CIC \$1,250,601. AA \$1,590,400.
- 7-28-77 TD 10,249' dol. & lime. Mud 8.9. Visc. 40. WL 4.8.
Drilled to 10,245'. Top of Phosphoria at 10,230'. Drilling
break 10,239-10,244'. C.O. C1, C2, C3, C4 with no
fiorescence and no H2S. Drilled to 10,249'. C & C. POOH.
TIH for DST No. 8. Dinwoody-Phosphoria 10,195-10,249' (54'
intervals) with no cushion. Times 15/45/15/30. Weak blow
throughout on IO. No blow on FO. Now prep to pull DST.
DC/DIC \$7,428; CTD \$1,296,945; CIC \$1,258,029. AA \$1,590,400.
- 7-29-77 TD 10,274' dol. & lime. Mud 8.8. Visc. 40. WL 6.
POOH with DST No. 8. Recd. 20' rat hole mud. IH=4735,
IF=52-64, ISI=152, FF=52, FSI=64, FH=4747. Indicates no perm.
BHT=183°. LD test tools. PU BHA. WIH. No drag. Wash 60'
to bottom. No fill. C.O. Now drilling phosphoria at
5 ft./hr. No shows.
DC/DIC \$13,350; CTD \$1,310,155; CIC \$1,271,279. AA \$1,590,400.

QUINTANA PETROLEUM CORPORATION
WEEKLY SUMMARY - WEEK OF 8/1 - 8/5/77
A. W. BURT WELL 20-1
SUMMIT COUNTY, UTAH

- 8-1-77 TD 10,398' dol., cht. & sh. Mud 9.0. Visc. 50. WL 5.5. Drilled Phosphoria to 10,398' with spotty drilling breaks but no shows. TOOH for NB. Magnafluxing DC's. Reversed rotary to MU Std. of DC's. Jars un-jayed and tripped. Slips and safety clamp failed. 482' of 7" DCs, 2 Stabs., hars and 2 slip handles fell in hole. TIH open-ended to screw into fish. Started getting excessive drag at 4200'. POOH. Wait on DCs and fishing tools. PU BHA. TIH with bit, 6 PT, DCs and jars to 4176'. Wash and light ream 4176-4276' and 4445-4832' with large pieces of shale over shaker. Now C & C hole.
DC/DIC \$8,293; CTD \$1,335,498; CIC \$1,296,622.
AA \$1,590,400.
- 8-2-77 TD 10,398' dol. Mud 8.9. Visc. 48. WL 4.8. Wash and ream 4832-4870', 5746-5820', 5880-6058', 6100-6359', 7810-7840' and 7940-8123'. RIH to 9604'. C & C mud. Tag top of fish 9916'. Rotate with light wt. on top of fish. No indication of junk on top of fish. Now C & C mud at 9604'.
DC/DIC \$8,537; CTD \$1,344,035; CIC \$1,305,159.
- 8-3-77 Corr. TD 10,402' dol., cht. & sh. Mud 8.8. Visc. 38. WL 5.6. C & C on top of fish. MOOH. Corr. top of fish = 9920'. Corr. TD = 10,402'. Change BHA. TIH. No drag. Screw into fish. Could not circ. Jarred 30 mins. Fish came free. SOH with drag for 200'. Now POOH with fish and no drag. Pulling wet string.
DC/DIC \$9,679; CTD \$1,353,714; CIC \$1,314,838.
- 8-4-77 TD 10,402' dol., cht. & sh. Mud 8.8. Visc. 41. WL 5.4. FOOH. Recovered fish. Picked up mill and BHA. WIH to 9920'. Circulated out. Now washing and reaming at 9941'.
DC/DIC \$9,006; CTD \$1,362,720; CIC \$1,332,844.
- 8-5-77 TD 10,403' cht., sh. & dol. Mud 8.7. Visc. 42. WL 4.8. Wash and ream 9941-10,402'. At 10,345' had 38 units of gas with C1, C2 & C3. Drilled 1' of hole with mill. No indication of junk. TOOH. Work out tight spot (coal streak) at 3022'. FOOH. No recovery in junk sub. Now preparing to GIH and drill.
DC/DIC \$14,948; CTD \$1,377,668; CIC \$1,338,792.
AA \$1,590,400.

QUINTANA PETROLEUM CORPORATION
WEEKLY SUMMARY - WEEK OF 8/8 - 8/12/77
A. W. BURT WELL 20-1
SUMMIT COUNTY, UTAH

- 8-8-77 TD 10,579' sd., cht., dol. & sh. Mud 8.8. Visc. 36. WL 5.2.
WIH to 10,403'. Drilled to 10,493'. TFNB. Now drilling at
10,579'. Top of Weber 10,505'. No shows.
DC/DIC \$7,811; CTD \$1,410,808; CIC \$1,371,932.
AA \$1,590,400.
- 8-9-77 TD 10,686' sand & dol. Mud 8.7. Visc. 40. WL 4.8.
Now drilling ahead.
DC/DIC \$10,243; CTD \$1,421,051; CIC \$1,382,175.
- 8-10-77 TD 10,786' sd., dol. & sh. Mud 8.7. Visc. 44. WL 4.8.
Now drilling ahead.
DC/DIC \$9,822; CTD \$1,430,873; CIC \$1,391,997.
- 8-11-77 TD 10,842' chert & sand. Mud 8.8. Visc. 39. WL 5.2.
Correct top of Weber is 10,720'. Drilled hard Weber sd. to
10,842'. No shows. C.O. TNB and RWP's. Now GIH.
DC/DIC \$14,751; CTD \$1,445,624; CIC \$1,406,748.
- 8-12-77 TD 10,930' chert & sand. Mud 8.8. Visc. 38. WL 4.8.
FIH. Reamed 350' to bottom. Drilled top of Weber porosity
at 10,865'. Drilling break 10,865-10,875'. C. O. 2 units
of gas - no florescence. Now drilling Weber at 6-1/2'/hr.
Plan to log at 11,015'.
DC/DIC \$10,416; CTD \$1,456,040; CIC \$1,417,464.
AA \$1,590,400.

QUINTANA PETROLEUM CORPORATION
WEEKLY SUMMARY - WEEK OF 8/15 - 8/19/77
A. W. BURT WELL 20-1
SUMMIT COUNTY, UTAH

- 8-15-77 TD 11,020' sand and shale. Mud 9.1. Visc. 62. WL 4.0. Drilled Weber to 11,020'. No shows. C. O. Made St. C & C. TOOH. RU Schl. WIH with DIL. Could not get below 3660'. RD Schl. PU BHA. Reamed 3215-3600'. Tripped for stiff BHA. No drag. Add 3% Diesel to mud. Reamed 3600-3822' with large volume of shale over shaker. Now reaming.
DC/DIC \$14,064; CTD \$1,488,977; CIC \$1,450,101.
AA \$1,590,400.
- 8-16-77 TD 11,020' sand and shale. Mud 9.1. Visc. 51. WL 4.2. Reamed 3822-4172'. RIH to 4793'. Spotty reaming 4793' to 6160'. RIH free to 7165'. C & C. Now POOH to log.
DC/DIC \$8,905; CTD \$1,497,882; CIC \$1,459,006.
- 8-17-77 TD 11,020' sand and shale. Mud 8.9. Visc. 64. WL 4.0. FOOH. RU Schl. WIH with DIL. Could not get below 6658'. POOH. LD centralizer. WIH with DIL. Could not spud past bridge at 6658'. RD and released Schl. WIH with pendulum BHA. Light reaming 6184-6661'. Now reaming.
DC/DIC \$16,352; CTD \$1,514,234; CIC \$1,475,358.
- 8-18-77 TD 11,020' sand and shale. Mud 8.8. Visc. 57. WL 4.4. Reamed 6661-6920'. RIH with no drag to 8028'. C & C. 14 hours at 8028' while repairing No. 3 engine. Now preparing to FIH.
DC/DIC \$10,733; CTD \$1,524,967; CIC \$1,486,091.
- 8-19-77 TD 11,020' sand and shale. Mud 8.9. Visc. 59. WL 4.4. WIH to 8090'. Reamed 8090-8215'. TIH to 9150'. Break circulation. TIH to 10,770'. Reamed 10,770-11,020'. C & C. Now preparing to POOH to log.
DC/DIC \$8,948; CTD \$1,533,915; CIC \$1,495,039.
AA \$1,590,400.

QUINTANA PETROLEUM CORPORATION
WEEKLY SUMMARY - WEEK OF 8/22 - 8/26/77
A. W. BURT WELL 20-1
SUMMIT COUNTY, UTAH

- 8-22-77 TD 11,021' sand and shale. Mud 8.7. Visc. 68. WL 6.6. MOOH. Corr. TD = 11,021'. RU Schl. WIH with GR/DIL. Tag bridge at 6660'. POOH. Left 1 rubber centralizer in hole. Removed centralizers. WIH. Tagged bridge at 6660'. PU. RIH free to 10,936'. DTD = 11,021'. Ran GR/DIL 10,930' to 6700'. Ran BHC Sonic 10,927-6700'. SOOH. Tool stuck at 6649'. Work stuck tool. Pulled out of rope socket. Recd. W/L. Ran Caliper Log 6649-2854' while finishing engine repairs. WIH with overshot to 6649' and worked over fish. TOOH. Recd all of fish. Cleaned mud pits. Now building mud volume in pits.
DC/DIC \$9,956; CTD \$1,569,772; CIC \$1,530,896.
AA \$1,590,400.
- 8-23-77 TD 11,021' sand and shale. Mud 8.9. Visc. 55. WL 4.4. Finished building volume in pits. WIH with no drag to 6280'. Light reaming with no torque 6280-6906'. RIH to 10,708' with no drag. Ream 10,708-10,831'. Now reaming.
DC/DIC \$16,117; CTD \$1,585,889; CIC \$1,547,013.
- 8-24-77 TD 11,021' sand and shale. Mud 8.9. Visc. 57. WL 4.4. Reamed 10,831-11,021'. C & C. TOOH. Worked tight spot at 6650'. RU Schl. Ran GR/CNL/DENS/CAL 10,993-6700'. Had line pull 8400-8360'. WIH with Dipmeter. Hit bridge at 8484'. Could not work below 8484'. Now logging w/Dipmeter.
DC/DIC \$10,885; CTD \$1,596,774; CIC \$1,557,898.
- 8-25-77 TD 11,021' sand and shale. Mud 8.9. Visc. 70. WL 4.4. Ran Dipmeter 8484-5000'. Wait on Birdwell velocity tools. RU Birdwell. WIH. Tag bridge at 6105'. Ran velocity survey 6105-106'. RD loggers. TIH. Worked tight spot at 3200'. TIH with no drag to 10,683'. Now C & C mud.
DC/DIC \$32,893; CTD \$1,629,667; CIC \$1,590,791.
- 8-26-77 TD 11,021' sand and shale. Mud 8.8. Visc. 55. WL 4.4. C & C at 10,683'. TOOH with no drag. RU Lynes. TIH to 10,500'. RU Petrolog and run thru pipe GIR correlation log. DST No. 9 Phosphoria 10,474-10,508' (straddle test) with 500' water cushion. Times 15/30/15/30. No blow on IF. Weak blow on FF - dead in 11 mins. Now equalizing pressure to release packers. NOTE: Snowing on location.
DC/DIC \$7,604; CTD \$1,637,271; CIC \$1,598,395.
AA \$1,590,400.

QUINTANA PETROLEUM CORPORATION
WEEKLY SUMMARY - WEEK OF 8/29 - 9/2/77
A. W. BURT WELL 20-1
SUMMIT COUNTY, UTAH

8-29-77 TD 11,021' sand and shale. Released packers. PUH for DST No. 10. Times 15/30/10/30. POOH. Recd 60' mud from DST's Nos. 9 & 10. WIH for DST No. 11. Times 15/70/75/0. Packers failed on FSI. TOOH. Recd 1480' Nugget water and 420' mud. WIH for DST No. 12. Times 22/90/60/90. POOH. Recd 447' mud. RD Lynes testers. GIH and set RTTS tool at 2834'. BD Nugget. Now disposing reserve pit mud @ 6 BPM with 1800 psi.
DC/DIC \$17,741; CTD \$1,673,725; CIC \$1,634,849. AA \$1,590,400.

DST NO.	9	10	11	12
Formation	Phosphoria	Phosphoria	TC-Nugget	Twin Creek (TC)
Interval	10474'-10508'	10304'-10338'	6394'-6574'	6355'-6535'
Cushion	500'	500'	0'	0'
IH	4746	4746	2904	2953
IO	140	255	51-153	74
ISI	2827	306	2622	2879
FO	140	255	153-843*	74-199
FSI	3979*	306	Failed	2928
FH	4695	4695	2904	2953
Recovery	Tr. Mud	60' Mud	1900' WTR	447' Mud
Conclusion	Tight	No Volume	Wet	Tight

*Still Building

8-30-77 TD 11,021' sand and shale. Visc. 45. Mud 8.8. Disposing reserve pit mud in hole. Rig compound chain failed. RU Halco. Disposing mud at 5 BPM with 1850 psi. Est. 12,000 bbls. disposed so far.
DC/DIC \$4,785; CTD \$1,678,510; CIC \$1,639,634.

8-31-77 TD 11,021' sand and shale. Mud 8.8. Visc. 45. Finish disposing reserve pit in hole with 2100 psi. Now bleeding off pressure.
DC/DIC \$5,001; CTD \$1,683,511; CIC \$1,644,635.

9-1-77 TD 11,021'. Mud 8.9. Bled pressure off after disposing of reserve pit water. Released RTTS. Now preparing to POOH.
DC/DIC \$11,246; CTD \$1,694,757; CIC \$1,655,881.

9-2-77 TD 11,021'. Mud 8.7. Visc. 45. WL 10.0. POOH with RTTS tool. WIH open-ended. Could not get below 3431'. POOH. WIH with bit. Now washing and reaming @ 3530'.
DC/DIC \$10,708; CTD \$1,705,465; CIC \$1,666,589.
AA \$1,590,400.

QUINTANA PETROLEUM CORPORATION

500 JEFFERSON BUILDING-CULLEN CENTER

HOUSTON, TEXAS

November 16, 1977

RE: Albert W. Burt, et al, #20-1
Sec. 20, T3N, R10E
Summit County, Utah

API #43-043-30042

Mr. Cleon B. Feight, Director
Division of Oil, Gas and Mining
Department of Natural Resources
1588 West North Temple
Salt Lake City, Utah 84116

Dear Mr. Feight:

Attached, in quadruplicate, is the State of Utah Form OGC-8-X
"Report of Water Encountered During Drilling" in connection with the
drilling and abandoning of the captioned well.

Yours truly,

W. A. Schneider

W. A. Schneider

By [Signature]



JIM
MIKE
CIRCULATE TO:
DIRECTOR
PETROLEUM ENGINEER
TRINE COORDINATOR
ADMINISTRATIVE ASSISTANT
ALL
RETURN TO *Kathy W.*
FOR FILING
 WAS
 JMF
Bob

WAS/eh
attach.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1588 West North Temple
Salt Lake City, Utah 84116

REPORT OF WATER ENCOUNTERED DURING DRILLING
* * * * *

Well Name and Number Albert W. Burt, et al, No. 20-1 (API #43-043-30042)

Operator Quintana Petroleum Corporation

Address P. O. Box 3331, Houston, Texas 77001

Contractor Anderson Drilling Company

Address 1515 Arapahoe Street, Denver, Colorado 80202

Location SE 1/4, SW 1/4, Sec. 20; T. 3 N; R. 10 E; Summit County
S W

Water Sands:

<u>Depth:</u>		<u>Volume:</u>	<u>Quality:</u>
From-	To-	Flow Rate or Head -	Fresh or Salty -

1. NO WATER FLOWS WERE ENCOUNTERED IN THIS WELL.
2. _____
3. _____
4. _____
5. _____

(Continue on Reverse Side if Necessary)

Formation logs:

- NOTE: (a) Upon diminishing supply of forms, please inform this office.
 (b) Report on this form as provided for in Rule C-20, General Rules And Regulations and Rules of Practice and Procedure.
 (c) If a water quality analysis has been made of the above reported zone, please forward a copy along with this form.

W. A. Schneider
November 16, 1977



SCOTT M. MATHESON
Governor

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771

I. DANIEL STEWART
Chairman

CLEON B. FEIGHT
Director

CHARLES R. HENDERSON
JOHN L. BELL
THADIS W. BOX
C. RAY JUVELIN

August 18, 1978

Quintana Petroleum Corporation
PO Box 3331
Houston, Texas 77001

Re: Well No. Albert W. Burt 20-1
Sec. 20, T. 3N, R. 10E
Summit County, Utah

Gentlemen:

Our records indicate that you have not filed a Subsequent Report of Abandonment for the above subject well.

Rule D-2, General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed within (30) days after the plugging of any well.

In order that we may keep our records accurate and complete, please complete the enclosed Form OGC-1b in duplicate, and forward them to this office as soon as possible.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS, & MINING

Tammy Edge
Typist

QUINTANA PRODUCTION CO.

601 JEFFERSON STREET-CULLEN CENTER

HOUSTON, TEXAS

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

*Write for
W.C. report*

August 28, 1978

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

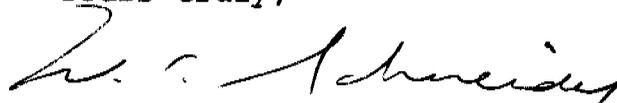
Re: Well No. Albert W. Burt 20-1
Sec. 20, T3N, R10E
Summit County, Utah

Gentlemen:

As requested in your letter of August 18, 1978, enclosed is the Subsequent Report of Abandonment (form OGC-1b) for the subject well.

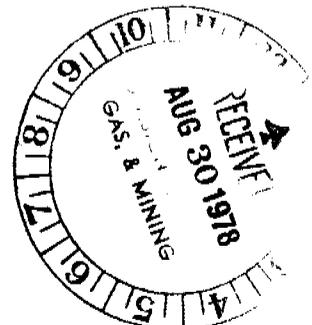
We are also including a copy of Subsequent Report of Abandonment which was sent to you on the Federal form (9-331) on November 15, 1977.

Yours truly,



W. A. Schneider

WAS/jme
enclosures



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.)

<p>1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Plug and Abandon</u></p> <p>2. NAME OF OPERATOR <u>Quintana Petroleum Corporation</u></p> <p>3. ADDRESS OF OPERATOR <u>P. O. Box 3331, Houston, Texas 77001</u></p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) <u>At surface 2107' FWL and 601' FSL</u></p>		<p>5. LEASE DESIGNATION AND SERIAL NO. <u>Albert W. Burt, et al</u></p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME <u>N/A</u></p> <p>7. UNIT AGREEMENT NAME <u>N/A</u></p> <p>8. FARM OR LEASE NAME <u>Albert W. Burt, et al</u></p> <p>9. WELL NO. <u>20-1</u></p> <p>10. FIELD AND POOL, OR WILDCAT <u>Wildcat</u></p> <p>11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA <u>Sec. 20, T3N, R10E SLM</u></p>
<p>14. PERMIT NO. <u>43-043-30042</u></p>	<p>15. ELEVATIONS (Show whether DF, RT, OR, etc.) <u>KDB = 7979' MSL</u></p>	<p>12. COUNTY OR PARISH <u>Summit</u></p> <p>13. STATE <u>Utah</u></p>

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

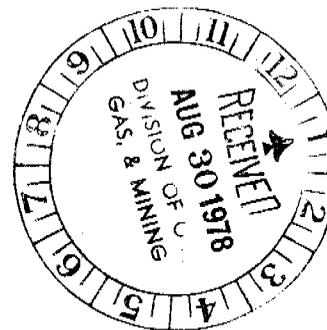
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	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.)*

The subject well was plugged and abandoned on September 7, 1977, as follows:

- 1) Open hole left filled with 8.7 ppg mud.
- 2) Cement retainer set at 2800' (9-5/8" casing is at 2854').
- 3) 150 sx of Neat cement pumped out below retainer, and 10 sx Neat cement spotted on top of retainer. Cement interval is 2775' - 3200'.
- 4) Test perforations of 2526'-2540' were squeezed cemented with 125 sx of Neat cement and the top of cement was left at 2425'.
- 5) Casing cut off and 10 sx Neat cement spotted at the surface.
- 6) Dry hole marker installed.



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

SIGNED [Signature] TITLE Petroleum Engineer DATE August 28, 1978

(This space for Federal or State office use)

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

August 30, 1978

Quintana Production Co.
P.O. Box 3331
Houston, Texas 77001

RE: Well No. Albert W. Burt 20-1
Sec. 20, T. 3N, R. 10E
Summit County, Utah

Gentlemen:

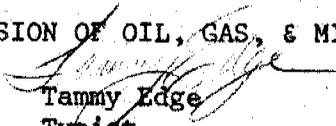
This letter is to advise you that the Well Completion or Recompletion Report and Log for the above referred to well is due and has not been filed with this office as required by our rules and regulations.

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, & MINING


Tammy Edge
Typist

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

5. LEASE DESIGNATION AND SERIAL NO.
A. W. Burt et al
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A
7. UNIT AGREEMENT NAME
N/A
8. FARM OR LEASE NAME
Albert W. Burt et al
9. WELL NO.
20-1
10. FIELD AND POOL, OR WILDCAT
Wildcat
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 20, T3N, R10E
SLM
12. COUNTY OR PARISH
Summit
13. STATE
Utah

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other P&A
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 3331, Houston, Texas 77001

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 2107' FWL and 601' FSL
At top prod. interval reported below N/A
At total depth Same as surface

14. PERMIT NO. 43-043-30042 | DATE ISSUED 2-7-77

15. DATE SPUDDED 3-24-77 | 16. DATE T.D. REACHED 8-14-77 | 17. DATE COMPL. (Ready to prod.) 8-14-77 N/A | 18. ELEVATIONS (DF, REB, RT, GR, ETC.)* KDB = 7979' MSL | 19. ELEV. CASINGHEAD 7960'

20. TOTAL DEPTH, MD & TVD 11,021 | 21. PLUG BACK T.D., MD & TVD Ground | 22. IF MULTIPLE COMPL., HOW MANY? N/A | 23. INTERVALS DRILLED BY → | ROTARY TOOLS 0'-11,021' | CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
N/A | 25. WAS DIRECTIONAL SURVEY MADE NO

26. TYPE ELECTRIC AND OTHER LOGS RUN
Dual Induction, BHC-Sonic, CNL-Dens, Dipmeter | 27. WAS WELL CORRED YES

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#	140'	17-1/2"	250 sx & Top Job	None
9-5/8"	36#	2854'	12-1/4"	See Below	None

29. LINER RECORD | 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)
9-5/8" csg. cmt. Details
1st stage - 350 sx
2nd stage - tool at 2120' cmt.
w/700 sx cmt. to surface

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

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—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
N/A | TEST WITNESSED BY

35. LIST OF ATTACHMENTS
Logs, Geological Report (includes SWC analysis), DST Summary Report Sheet

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED M. C. Schneider TITLE Petroleum Engineer DATE 9-7-78

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

QUINTANA PRODUCTION CO.

601 JEFFERSON STREET-CULLEN CENTER

HOUSTON, TEXAS

PLEASE ADDRESS CORRESPONDENCE TO:

P. O. BOX 3331

HOUSTON, TEXAS 77001

September 15, 1978

P

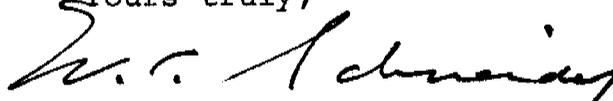
State of Utah
Department of Natural Resources
Division of Oil, Gas, and Mining
1588 West North Temple
Salt Lake City, Utah 84116

Gentlemen:

Re: Well No. Albert W. Burt 20-1
Sec. 20, T3N, R10E
Summit County, Utah

As requested in your letter of August 30, 1978, we are enclosing the Well Completion or Recompletion Report and Log with attachments for the captioned well.

Yours truly,



W. A. Schneider

WAS/jme
enclosures

BURT 20-1 Summit Co, UTAH

DST SUMMARY

DST NO.	INTERVAL	FORMATION	CUSHION	TIMES	IH	IF	ISI	FF	FSI	FH	RECY	CONCLUSION
1	2832-2421	WASATCH	—	5/16/60/39	148	563-633	776	776-782	784	1071	1450' WTR	WET
2	2625-2648	WASATCH	—	60/20	185	84-81	869	—	—	1184	110' MUD	DAMAGED
3	5803-5848	TWIN CREEK	—	10/60/20/180	2746	10-10	13	10-12	12	2746	NONE	TIGHT DEPLETED
4	6045-6238	TWIN CREEK	—	—	2849	PKRS.	FAILED - NO	TEST				MISRUN
5	6085-6239	TWIN CREEK	—	11/61/31/60	2959	388-388	535	388-388	474	2942	668' MUD	TIGHT
6	6575-6614	NUGGET	—	11/46/21/30	3104	130-410	2585	454-1381+	2585	3097	3600' WTR	WET
7	10139-10173	DINWOODY	3500'	8/31/33/63	4743	136A-136A	1533	136A-136A	1454	4743	CUSHION WTR	TIGHT
8	10195-10249	DINWOODY PHOSPHORIA	—	15/45/16/45	4731	42-35	130	35-35	49	4767	20' MUD	TIGHT
9	10474-10508	PHOSPHORIA	500'	15/30/30/30	4809	240-240	2865	207-244	2715	4789	TR. MUD	TIGHT
10	10304-10338	PHOSPHORIA	500'	10/30/10/30	4750	259-259	294	279-269	284	FAILED	60' MUD	DEPLETED
11	6393-6573	TWIN CREEK NUGGET	—	15/70/75	3049	33-166	2635	199-829+	FAILED	FAILED	1916' MUD WTR	WET
12	6355-6535	TWIN CREEK	—	22/90/60/15	3074	46-54	2956	138-225	2956	2956	447' MUD	TIGHT