

Plugged & abandoned 9-21-74

**FILE NOTATIONS**

Entered in MID File .....  
Location Map Pinned .....  
Card Indexed .....  
*(Handwritten checkmarks are present next to each item)*

Checked by Chief *P.W.K.*  
Approval Letter *C.S.H.*  
Disapproval Letter .....

**COMPLETION DATA:**

Date Well Completed .....  
OW..... WW..... TA.....  
GW..... OS..... PA.....

Location Inspected .....  
Bond released  
State or Fee Land .....

**LOGS FILED**

Brillier's Log.....  
Electric Logs (No.) .....  
E..... I..... Dual I Lat..... GR-N..... Micro.....  
SUC Sonic GR..... Lat..... MI-L..... Sonic.....  
CGLog..... CGLog..... Others.....

PACIFIC TRANSMISSION SUPPLY COMPANY

*JMB*  
COPY

July 31, 1974

*[Handwritten Signature]*

Mr. Gerald R. Daniels  
U. S. Geological Survey  
8416 Federal Building  
Salt Lake City, Utah 84111

Re: PTS #33-32  
NW SE Section 32, T11S-R14E  
Duchesne County, Utah

Dear Mr. Daniels:

Pacific Transmission Supply Company proposes to drill the captioned wildcat well on a state lease held by Chorney Oil Company, Mono Power Company and PTS. Please note that this well is under Stone Cabin II Unit.

Enclosed are the following documents relative to the proposed wellsite.

1. Application for Permit to Drill
2. Survey Plat (2)
3. Vicinity Map
4. 7-point BOP & Casing Design
5. 12-point Surface Plan

Should you require additional information, please do not hesitate to contact this office.

Very truly yours,

Secretary to  
J. L. WROBLE

cc Mr. Cleon B. Feight w/Attachments  
1588 West North Temple  
Salt Lake City, Utah 84116

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

5. LEASE DESIGNATION AND SERIAL NO.  
M.L. 21021

6. IF INDIAN ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME  
STONE CABIN II UNIT

8. FARM OR LEASE NAME

9. WELL NO.  
PTS #33-32

10. FIELD AND POOL, OR WILDCAT  
Wildcat

11. SEC., T. R. M., OR BLK. AND SURVEY OR AREA  
Sec 32, T11S R14E

12. COUNTY OR PARISH AND STATE  
Duchesne Utah

13. APPROX. DATE WORK WILL START\*  
August 15, 1974

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  
PACIFIC TRANSMISSION SUPPLY COMPANY

3. ADDRESS OF OPERATOR  
245 Market Street, San Francisco, California 94105

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface  
NW SE Section 32, T11S-R14E, Duchesne County, Utah  
At proposed prod. zone

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

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)  
1980'

16. NO. OF ACRES IN LEASE  
640

17. NO. OF ACRES ASSIGNED TO THIS WELL  
20

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

19. PROPOSED DEPTH  
5500'

20. ROTARY OR CABLE TOOLS  
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
6190' Ground, Ungraded

23. PROPOSED CASING AND CEMENTING PROGRAM.

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13-3/4"	10-3/4"	40.5#	400' ✓	500 Sacks
8-3/4"	7" if req.	23#	As required	As required
6-1/4"	4-1/2"	10.5 & 11.6#	As required	As required

Operator proposes to drill a well to test the Wasatch formation to approximately 5500'. An 8-3/4" hole is planned to total depth using aerated lime water as a circulating media. Should formation water or adverse hole conditions persist, an intermediate string of 7" will be run and cemented. If the 7" is run, a 4-1/2" liner will be set to total depth; otherwise a field string of 4-1/2" will be set from surface to total depth.

Operator will maintain a BOP system as outlined in the attached 7-point BOP plan. BOP's will be maintained according to federal laws and mechanically checked daily.

PLEASE KEEP IN CONFIDENCE ✓

24. 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.

SIGNED Eugene A. Henry TITLE ENGINEER DATE 7/31/74

(This space for Federal or State office use)  
PERMIT NO. 43-013-30330 APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

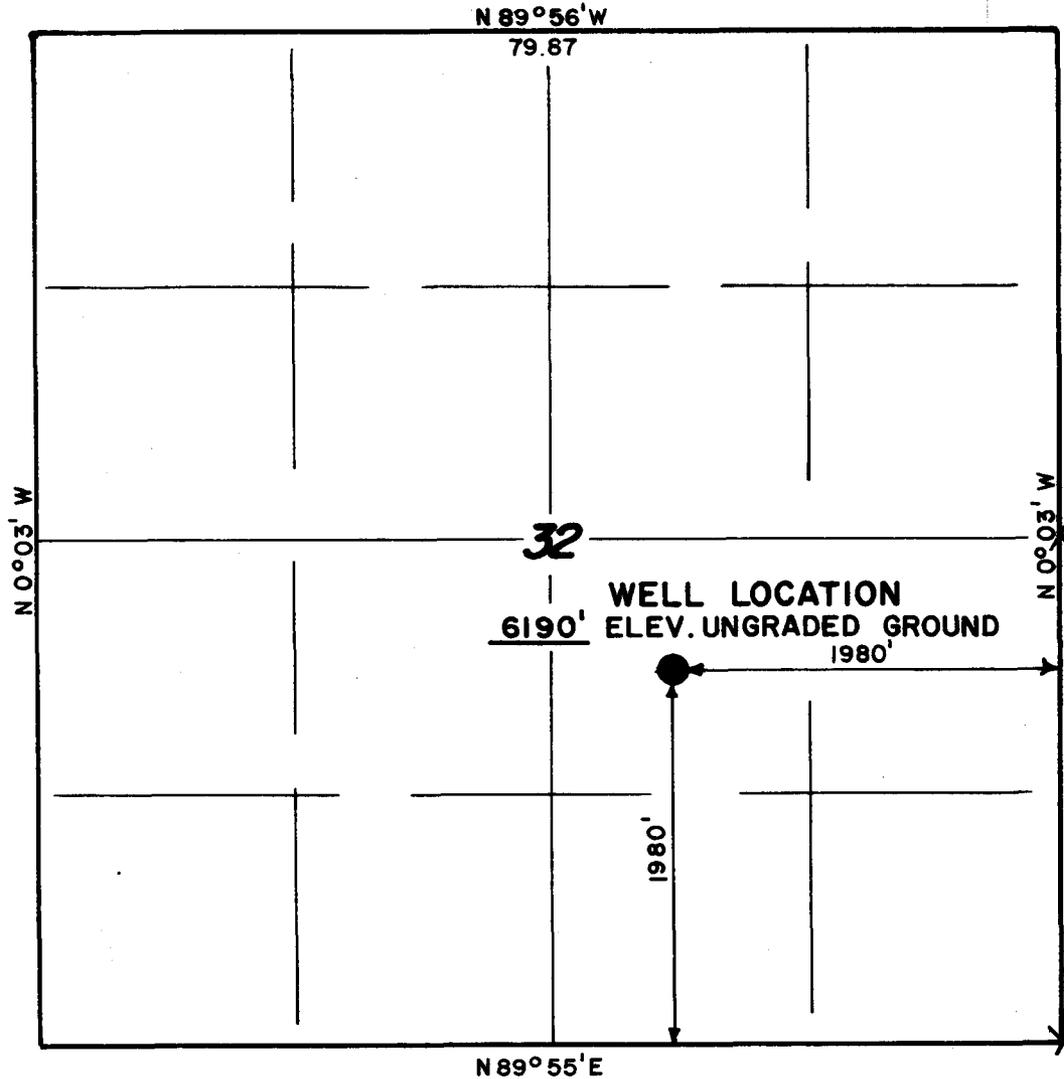
\*See Instructions On Reverse Side

**TIIS, R14E, S.L.B. & M.**

PROJECT

**PACIFIC GAS TRANSMISSION**

Well location as shown in the NW 1/4,  
SE 1/4, Section 32, TIIS, R14E, S.L.B. & M.  
Duchesne 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.

*Gene 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 7/19/74
PARTY MS	REFERENCES GLO Plat
WEATHER WARM	FILE PACIFIC GAS TRANSMISSION

X = Section Corners Located

STONE CABIN II UNIT  
PTS #33-32, Section 32  
T11S-R14E, Dushesne County, Ut

BOP & CASING DESIGN

1. Surface Casing - 10-3/4", 40.5#/ft, K-55, STC, new, 400'.

2. Casing heads, flanges & Spools

All casing heads, flanges & spools will be 10", 3000 psi W.P. or greater.

3. Intermediate Casing

If required a string of 7", 23#, J-55, USED casing will be set.

4. BOP's

A 3000 psi W.P. BOP system and rotating head will be maintained from under surface casing. The stack will consist of a Model GK Hydril, a Shaffer Model E, hydraulic doublegate and a Grant rotating head assembly.

5. Auxiliary Equipment

A 3000 psi W.P. choke manifold with positive and adjustable chokes, Shaffer drill pipe safety valve, Shaffer kelly cock and an 80 gallon accumulator BOP closing unit.

6. Expected Bottomhole Pressure

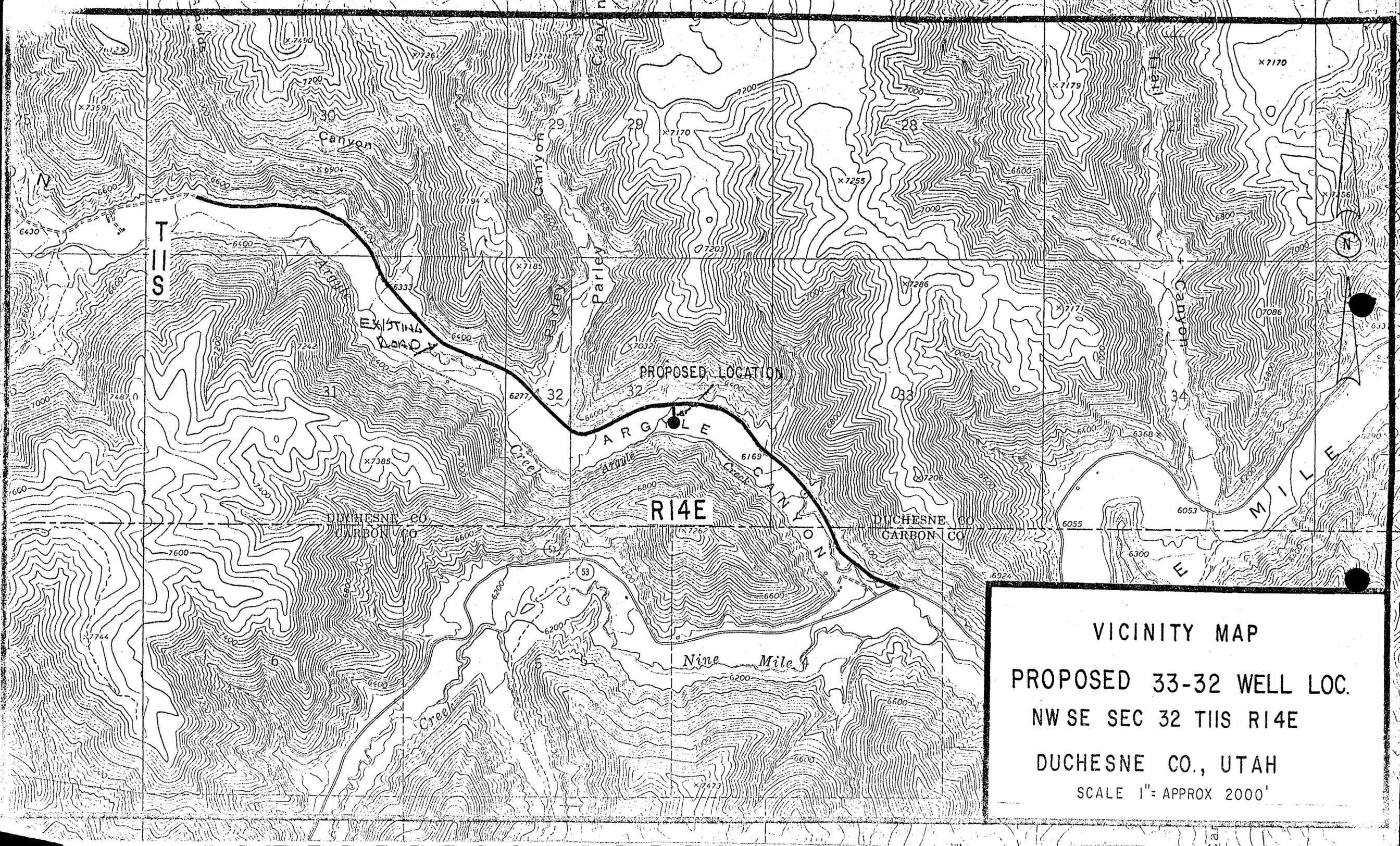
2200 psi.

7. Drilling Fluid

Aerated Lime water.

12-Point Surface Plan

1. Existing Roads  
An existing all-weather road lies approximately 3/4 mile to the south of the proposed location. Access to the location is achieved by an unimproved road off the all-weather road for a distance of about 1 mile. See vicinity map.
2. Planned Access Road  
A short access way will be needed to the location. Its length will be about 500' and it will be on flat land requiring no side cuts or major earth disturbance.
3. Existing Wells  
No wells drilling or plugged within 2 miles of the location.
4. Lateral Roads - None planned.
5. Tank Batteries and Flow line  
It is anticipated that the proposed well will be a gas well and will not require tank batteries or flow line.
6. Water Supply  
Water will be pumped from the nearby creek running through Argyle Canyon.
7. Waste Disposal  
It is proposed to dig a 6' deep trash pit to contain waste material. Combustible sacks, etc., will be burned in the pit. The pit will be backfilled and graded upon abandonment or cleanup of the location.
8. Camp - None planned.
9. Airstrip  
No new airstrip planned. An existing airstrip will likely be used which is located in Section 14, T12S-R14E.
10. Location Layout - To be submitted at a later date.
11. After completion activities or plugging, the location will be restored to its as-found condition. The graded site will be reseeded and precautions taken to minimize erosion from surface water.
12. The location lies in the bottom of Argyle Canyon in a relatively flat area adjacent to an existing road and stream. Due to the proximity of the road and water, it is expected that environmental disturbances can be minimized.



VICINITY MAP  
PROPOSED 33-32 WELL LOC.  
NW SE SEC 32 T11S R14E  
DUCHEсне CO., UTAH  
SCALE 1" = APPROX 2000'

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.  
M.L. 21021

6. IF INDIAN ALLOTTEE OR TRIBE NAME

UNIT AGREEMENT NAME  
STONE CABIN #11 UNIT

FARM OR LEASE NAME

WELL NO.  
PTS #33-32

10. FIELD AND POOL, OR WILDCAT  
Wildcat

11. SEC., T., R., M., OR BLET. AND SURVEY OR AREA  
Sec 32, T11S, R14E

12. COUNTY OR PARISH STATE  
Duchesne Utah

17. NO. OF ACRES ASSIGNED TO THIS WELL  
320

20. ROTARY OR CABLE TOOLS  
Rotary

22. APPROX. DATE WORK WILL START\*  
August 15, 1974

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  
PACIFIC TRANSMISSION SUPPLY COMPANY

3. ADDRESS OF OPERATOR  
245 Market Street, San Francisco, California 94105

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface  
NW SE Section 32, T11S-R14E, Duchesne County, Utah  
At proposed prod. zone

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

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)  
1980'

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640

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

19. PROPOSED DEPTH  
5500'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
6190' Ground, Ungraded

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SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13-3/4"	10-3/4"	40.5#	400'	500 Sacks
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24. SIGNED Eugene A. Henry TITLE ENGINEER DATE 7/31/74

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

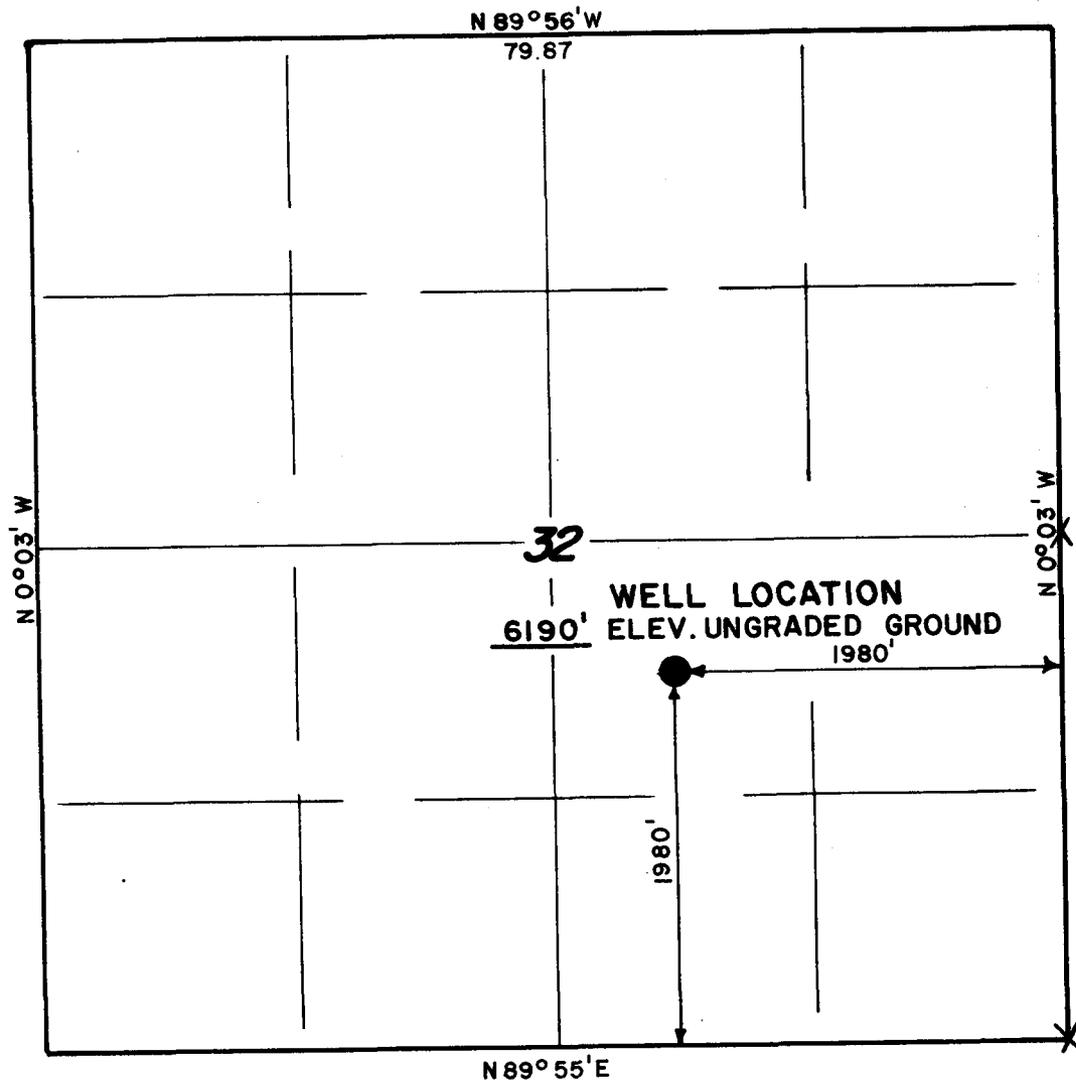
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**TIIS, R14E, S.L.B. & M.**

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THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM  
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SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE  
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*Gene 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 7/19/74
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WEATHER WARM	FILE PACIFIC GAS TRANSMISSION

X = Section Corners Located

STONE CABIN II UNIT  
PTS #33-32, Section 32  
T11S-R14E, Dushesne County, Ut

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12. The location lies in the bottom of Argyle Canyon in a relatively flat area adjacent to an existing road and stream. Due to the proximity of the road and water, it is expected that environmental disturbances can be minimized.

August 5, 1974



Pacific Transmission Supply Company  
245 Market Street  
San Francisco, California 94105

Re: Well No. Stone Cabin Unit PTS #33-32  
Sec. 32, T. 11 S, R. 14 E,  
Duchesne County, Utah

Gentlemen:

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

PAUL W. BURCHELL - Chief Petroleum Engineer  
HOME: 277-2890  
OFFICE: 328-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation relative to the above will be greatly appreciated.

The API number assigned to this well is 43-013-<sup>30331</sup>~~30330~~.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FREIGHT  
DIRECTOR

CBF:sw  
cc: Division of State Lands

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

M.L. 21021

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
PACIFIC TRANSMISSION SUPPLY COMPANY

3. ADDRESS OF OPERATOR  
245 Market Street, San Francisco, California 94105

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

NW SE Section 32, T11S-R14E

7. UNIT AGREEMENT NAME  
STONE CABIN II

8. FARM OR LEASE NAME

9. WELL NO.  
PTS #33-32

10. FIELD AND POOL, OR WILDCAT  
Wildcat

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

Sec. 32, T11S-R14E

14. PERMIT NO.  
43-013-30331

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
6190' Ground, Ungraded

12. COUNTY OR PARISH  
Duchesne

13. STATE  
Utah

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other) Weekly Report

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

X

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

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

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

8/31/74 - TD 465', drilling.  
9/1/74 - TD 1092', drilling.  
9/2/74 - TD 1772', drilling Wasatch.  
9/3/74 - TD 2350', drilling Wasatch.  
9/4/74 - TD 2920', drilling Wasatch.  
9/5/74 - TD 3464', drilling Wasatch.  
9/6/74 - TD 3764', drilling Lower Wasatch shale.  
Sample Top: Lower Wasatch 2700' (+3507').

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

SIGNED

*J. L. ...*

TITLE

EXPLORATION MANAGER

DATE

9/6/74

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

M.L. 21021

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

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1. OIL WELL  GAS WELL  OTHER

7. UNIT AGREEMENT NAME  
STONE CABIN II

2. NAME OF OPERATOR  
PACIFIC TRANSMISSION SUPPLY COMPANY

8. FARM OR LEASE NAME

3. ADDRESS OF OPERATOR  
245 Market Street, San Francisco, California 94105

9. WELL NO.  
PTS #33-32

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface  
NW SE Section 32, T11S-R14E

10. FIELD AND POOL, OR WILDCAT  
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR ARRA  
Sec. 32, T11S-R14E

14. PERMIT NO.  
43-013-30331

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
6190' Ground, Ungraded

12. COUNTY OR PARISH 13. STATE  
Duchesne 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 type="checkbox"/>
(Other) <u>Weekly Report</u>	<input checked="" 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) _____	

(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.)\*

9/7/74 - TD 4095', drilling Lower Wasatch.  
 9/8/74 - TD 4448', " " "  
 9/9/74 - TD 4810', " " "  
 9/10/74 - TD 5065', " " "  
 9/11/74 - TD 5405', " " "  
 9/12/74 - TD 5725', " " "  
 9/13/774 - TD 6025', " " "

PLEASE HOLD CONFIDENTIAL

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

SIGNED J. L. Wible TITLE EXPLORATION MANAGER

DATE 9/13/74

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
 CONDITIONS OF APPROVAL, IF ANY:

PL  
P.L.

STATE OF UTAH  
DIVISION OF OIL & GAS CONSERVATION  
DEPARTMENT OF NATURAL RESOURCES

PLUGGING PROGRAM  
\*\*\*\*\*

NAME OF COMPANY Pacific Transmission

WELL NAME Stone Cabin 33-32 API NO: \_\_\_\_\_

Sec. 32 Township 11S Range 14E County Duchesne

Verbal Approval Given to Plug the Above Referred to Well in the Following Manner:

Total Depth: 6435'

Casing Program:

Formation Tops:

10 3/4" @ 419'  
Cement to surface

Becca Lake @ 1710'  
Wasatch @ 1702'  
Lower Wasatch @ 2850'  
Mesaverde @ 6270'

Water @ 2030-2050

Plugs Set as Follows:

1980' - 2130'  
6220' - 6320'  
3070' - 3470'  
10 sacks @ surface  
w/ marker

Date: 9-20-74 71565 Signed: D. Chese

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN THIS MANNER\*  
(Other Instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

M.L. 21021

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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STONE CABIN II

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8. FARM OR LEASE NAME

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ABANDON\*

SHOOTING OR ACIDIZING

ABANDONMENT\*

REPAIR WELL

CHANGE PLANS

(Other)

(Other) Weekly Report

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- 9/14/74 - TD 6237', tripping.
- 9/15/74 - TD 6365', drilling in Mesaverde.
- 9/16/74 - TD 6435', tripping out to log.
- 9/17/74 - TD 6435', preparing to log.
- 9/18/74 - TD 6435', attempted to log, water flow resumed, logs stopped at 1190'.
- 9/19/74 - TD 6435', circulating @ 2100'. Dual Induction Laterolog was misrun; Sonic Gamma Ray w/Caliper tagged at 6403'; Formation Density log tagged at 1478'.
- 9/20/74 - TD 6435', waiting on orders. Ran Dual Induction Laterolog 6375'; Density w/Gamma Ray 6375'.

PLEASE HOLD CONFIDENTIAL

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

SIGNED *Ernest R. Berry*

TITLE ENGINEER

DATE 9/20/74

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

October 3, 1974

U. S. Geological Survey  
8416 Federal Building  
Salt Lake City, Utah 84111

Re: Well No. 33-32  
Stone Cabin Unit II  
Section 32, T11S-R14E  
Duchesne County, Utah

Gentlemen:

Enclosed are two copies of the Geological  
Well Report for the captioned well.

Very truly yours,

J. L. WROBLE

SKH

cc Utah Division of Oil & Gas  
Conservation Commission  
1588 West, North Temple  
Salt Lake City, Utah 84116

Attachments

I N D E X

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GEOLOGICAL WELL REPORT

Pacific Transmission Supply Co.  
33-32 Stone Cabin Unit II  
NW SE Section 32, T11S - R14E  
Duchesne County, Utah

Submitted by:



Wallace W. Stewart  
303 Western Resources Building  
Casper, Wyoming 82601  
Phone: (307) 234-5827

Operator: Pacific Transmission Supply Company

Well Name: 33-32 Stone Cabin Unit II

Legal Location: 1980' FSL 1980' FEL NW SE 32 - T 11 S - R 14 E

Area: Stone Cabin (Argyle Canyon)

County and State: Duchesne County, Utah

Elevations: 6190' GR 6206' DF 6207' KB

Contractor: Brinkerhoff Drilling Company  
Toolpusher: Dick Miller

Equipment: Rig #32

Commenced: August 27, 1974

Surface Casing: 10 3/4" set @ 419' with 500 sacks Class "G"

Hole Size: 13 3/4" 0 to 430' 8 3/4" 430' - 6435'

Drilling Fluid: Aerated Lime Water to Total Depth.  
Mudded up with Gel and Bar for Logs.

Drill Stem Tests: None

Logging: Schlumberger, Vernal, Utah  
Engineers: Dalton and Taylor  
Dual Induction Laterlog: 2" 419' to 6367'  
5" 419' to 6367'  
BHC Sonic Gamma Ray with Caliper, plus F overlay:  
5" 419' to 6396'  
Compensated Neutron & Formation Density Logs,  
with Gamma Ray & Caliper: 5" 419' to 6374'  
Portable Gas Unit (Mini Pac), Continental Lab,  
Casper, Wyoming

Total Depth: 6435' (-228) Driller

Ceased Drilling: September 15, 1974

Samples Delivered: American Stratigraphic Co., Casper, Wyoming

Sample Intervals: 30' from 420' to 3000' 10' from 3000' to 6435'

Geologist: Wallace W. Stewart, Consulting Geologist  
303 Western Resources Bldg., Casper, Wyoming

Status: Plugged and Abandoned September 21, 1974

WELL HISTORY

<u>Date</u>	<u>Drilled To:</u>	<u>Hrs. Drlg.</u>	<u>Activity</u>
8-24-74	--	--	Completed moving in Rotary.
8-25-74	--	--	Rig up Rotary.
8-26-74	--	--	Rig up Rotary.
8-27-74	56'	1 1/2	Completed rigging up. Spud 10:30 P.M. 13 3/4" hole.
8-28-74	430'	13	Drilling surface hole. Trip for Bit #2, Prepare run casing.
8-29-74	430'	0	Set 10 3/4" casing @ 419' with 500 sacks of class "C", 2% CaCl <sub>2</sub> + 3% NaCl. Nipple up in part, W.O.C.
8-30-74	430'	0	Nipple up, test BOP, tag cement @ 362'.
8-31-74	902'	18	Drilling cement, drilling, with Bit #3, trip for collars, drilling.
9-1-74	1578'	21 1/4	Drilling.
9-2-74	2179'	24	Drilling.
9-3-74	2770'	23 1/2	Drilling.
9-4-74	3318'	23 1/2	Drilling.
9-5-74	3624'	17 1/4	Drilling, trip for Bit #4.
9-6-74	3990'	15	Drilling, trip for Survey Tool.
9-7-74	4345'	23 1/2	Drilling.
9-8-74	4703'	23 1/2	Drilling.
9-9-74	5037'	22 1/2	Drilling, trip for Bit #5.
9-10-74	5316'	17	Drilling, trip, ream 120'.
9-11-74	5627'	23	Drilling.
9-12-74	5937'	24	Drilling.
9-13-74	6191'	24	Drilling.
9-14-74	6301'	16	Drilling, trip. SLM 6237' = 6219', Bit #6 in.
9-15-74	6435'	15	Drilling, prepare to run logs.

WELL HISTORY (Page 2)

<u>Date</u>	<u>Drilled To:</u>	<u>Hrs. Drlg.</u>	<u>Activity</u>
9-16-74	Total Depth	0	Attempt to run logs, circulated and mixed mud.
9-17-74	" "	0	Circulated and conditioned mud for logs.
9-18-74	" "	0	Circulated and condition mud for logs. Sonic Gamma Ray Log completed.
9-19-74	" "	0	Rig repair. Mix mud, condition hole, ran Dual Induction Log, started Density Log.
9-20-74	" "	0	Completed logs, waiting on orders.
9-21-74	" "	0	Plugged and abandoned.

GEOLOGICAL SUMMARY

The PTS 33-32 was drilled in the extreme northwest corner of the Stone Cabin Unit II to primarily evaluate the gas potential of the Wasatch Formation, and also to evaluate the upper portion of the Mesaverde.

The well was successfully drilled to a total depth of 6435' after penetrating 165' of the Mesaverde. No significant gas shows were encountered during the drilling of the well, but a very small (60-90 unit) and continuous gas flow developed while drilling the Green River Formation and was carried as background gas for the remainder of the well.

This test was located four miles northwest of production in the PTS 1-11 well and five miles northwest of a Mesaverde penetration in the Stone Cabin Unit. It was further located three miles southwest of the Humble No. 2 Badlands Cliff Unit which is a small gas well in the Wasatch. The Humble well was apparently at total depth in the "400 Sand" of the Mesaverde.

The PTS 33-32 was approximately 400' low to the prognosis and the structural interpretation, and this would correlate 114' high to Humble to the northeast and nearly 700' low to the closest Mesaverde penetration in the center of the Stone Cabin Unit.

It is concluded that the drilling with aerated lime water satisfactorily tested the gas potential of all the horizons penetrated. However, commencing at approximately 5700', sample deterioration became pronounced and adequate examination of the rocks for formation identification became unreliable. Essentially, the drilling time curve was used to develop a Mesaverde top which was considerably in error, and the 400' penetration of the Mesaverde was not achieved. At total depth, it was decided to run logs, and further drilling was not deemed necessary.

The only problem encountered in attempting to finish the well was that we were unable to run logs. Therefore, it was necessary to spend considerable time and money developing a mud system so a suitable suite of logs could be obtained.

One of the causes of our logging problem may have been a fresh water flow which was encountered while drilling at approximately 2000' and which produced continuously from the time of penetration until logging was completed. For future reference, it might be noted that this was a well developed water sand and might be of interest in other drilling projects or for ground water use at a later date.

  
Wallace W. Stewart  
September 30, 1974

FORMATION TOPS

<u>FORMATION</u>	<u>LOG DEPTH</u>	<u>DATUM</u> (6207' KB)
Green River		Surface
Green River Marker	710	+5497
Wasatch Marker	1702	+4505
Lower Wasatch	2850	+3357
2-B-27 Sand	5790	+ 417
Mesaverde Group	6270	- 63
Total Depth	6435	- 228

DEVIATION SURVEY

<u>DEPTH</u>	<u>DEVIATION</u>
117	0°
243	0°
1003	1°
1300	1°
2250	1°
3255	2 1/4°
3920	2°
5337	1 1/2°

FIELD LOG CALCULATIONS

<u>DEPTH</u>	<u>POROSITY</u>		<u>WATER SATURATION %</u>	<u>REMARKS</u>
	<u>SONIC %</u>	<u>DENSITY %</u>		
<u>GREEN RIVER FORMATION</u>				
680-705	28	24	--	Fresh water.
1086-1096	21	20	100	
1220	24	20	--	

WASATCH MARKER

2030-2055	Washed out.			Fresh water.
2084-2091	Washed out.			Fresh water.
2160-2170	12	15	100+	
2442-2454	11	14	95	
2568-2585	14	19	77	
2634-2644	13	16	100+	
2691-2708	13	18	100	
2840-2846	11	14	100	

LOWER WASATCH

3064-3078	11	10	100+
3453-3459	11	9	100+
3480-3500	12	8	100+
3820-3823	11	8	100+
4254-4260	6	5	100+
4447-4457	8	6	100+
4498-4510	11	10	100
4612-4621	8	6	100+
5010-5016	7	10	100+
5201-5206	15	13	100+
5365-5385	9	7	100+
5686-5691	6	7	100
5691-5704	7	6	100+

2-B-27 SAND

5750-5800	6	6	95
5803-5811	8	4	100+
5826-5835	8	6	100+
5835-5842	9	9	100
5861-5868	6	3	100+
5868-5875	6	4	100+

BASAL WASATCH

5948-5970	7	5	100+
6020-6030	7	5	100+
6030-6033	7	8	60
6147-6152	6	5	100
6214-6228	8	7	72

FIELD LOG CALCULATIONS (Page 2)

<u>DEPTH</u>	<u>POROSITY</u> <u>SONIC %</u>	<u>DENSITY %</u>	<u>WATER</u> <u>SATURATION %</u>	<u>REMARKS</u>
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BASAL WASATCH (continued)

6232-6236	9	8	100	
6241-6249	7	8	71	
6252-6256	8	9	75	
6260-6268	8	9	97	

MESAVERDE

6310-6316	8	6	100	
6318-6323	10	8	100	

MUD CHECKS

<u>Date</u>	<u>Depth Checked</u>	<u>Weight</u>	<u>pH</u>	<u>Remarks</u>
8-31-74	671	--	12.0	Drilling with aerated lime water, 1000 cu ft per min.
9-1-74	1277	--	9.5	" " " " " "
9-2-74	1826	8.3+	10.5	" " " " " "
9-3-74	2529	--	11.5	" " " " " "
9-4-74	3145	--	11.5-12	" " " " " "
9-5-74	3539	--	11.5	" " " " " "
9-6-74	3865	--	12	" " " " " "
9-7-74	4241	--	12	" " " " " "
9-8-74	4517	--	11.5	" " " " " "
9-9-74	4867	--	11.5	" " " " " "
9-12-74	5783	--	11.5	" " " " " "
9-13-74	6050	--	11.5	" " " " 500 " "
9-14-74	6237	--	11	" " " " " " "
9-15-74	6380	--	11	" " " " 1000 " "

<u>Date</u>	<u>Depth Checked</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Water Loss</u>	<u>pH</u>	<u>Filter Cake</u>	<u>Remarks</u>
9-17-74	6435	8.7	33	8.6	11	1/32	Mud up for logs.
9-18-74	6435	9.9	45	14	12+	2/32	Logging.
9-19-74	6435	10.0	45	12	11.5	2/32	Logging & attempted to log
9-20-74	6435	10.3	43	10	11.5	2/32	Logging & attempted to log
9-21-74	6435	9.8	43	11	11.5	2/32	Completed logging. To P&A

BIT RECORD

<u>BIT NO.</u>	<u>MFR.</u>	<u>SIZE INCHES</u>	<u>BIT TYPE</u>	<u>DEPTH OUT</u>	<u>FOOTAGE</u>	<u>HRS.</u>	<u>1000# WEIGHT</u>	<u>PUMP PRESS</u>	<u>ROTARY RPM</u>
1	RR Smith	13 3/4	DC	250	220	6 1/2	A11	600	100
2	Reed	13 3/4	Y-11	430	180	8	30	600	100
3	Smith	8 3/4	F-4	3539	3177	124 3/4	45	600	48
4	HTC	8 3/4	J33	5037	1498	92 3/4	45	600	48
5	Reed	8 3/4	FP62	6237	1200	96 3/4	45	600	50
6	Reed	8 3/4	FP63	6435	198	24 1/4	45	600	48

Pacific Transmission Supply Co.  
33-32 Stone Cabin Unit II  
Duchesne County, Utah

CUTTINGS - SAMPLE DESCRIPTION

DEPTH                      30' SAMPLES    LITHOLOGY (Samples not lagged)

SAMPLES START AT 430' IN GREEN RIVER FORMATION

430-460      Siltstone, gray, very hard, tight,  
pyritic in part, slightly calcareous.

460-490      Missed.

490-520      Sandstone, white-gray, fine grained, very hard, tight,  
calcareous, subrounded, good sorting.  
No show.

520-550      Sandstone, gray-very light tan, very fine grained-trace siltstone,  
slightly calcareous, very hard, tight.

550-580      Sand as above, slight increase tan-reddish sand, very fine grained, tight,  
and shale, reddish brown, very hard, in part calcareous.

580-610      Sand, white, very clean, fine-medium grained, in part porous.  
No show.  
And with increase sand, tan-reddish, fine grained, hard, tight.

610-640      With sand as above;  
limestone, tan-gray, very fine crystalline-dense, trace oolitic,  
trace fragmental coarse crystalline limestone.

640-670      Shale, reddish brown-dull reddish, firm-subwaxy.

670-700      Sand, white, very clean, fine-medium grained clusters, slightly friable,  
poor-fair permeability and porosity.  
No show.

LOG TOP - GREEN RIVER MARKER 710 (+5497)

700-730      Limestone, white-light tan, very fine crystalline-dense, silty in part,  
very clean appearance.

730-790      Limestone, brown-dark brown, very fine crystalline-dense, slightly  
silty in part, very fossiliferous in part.

790-820      With limestone, brown-tan, coarse crystalline ostracodal, loose  
ostrocods, very clean, very fossiliferous.  
Trace sand, white, medium grained, slightly friable.  
Limestone, slight oil stain, slow yellow cut.

820-850      Siltstone, gray, very hard, tight;  
sand, white, fine, slightly friable-tight.  
No show.

850-880      Limestone, gray-tan, very fine crystalline-dense; and  
limestone, tan-brown, coarse granular, and with abundant fossil ostracods.  
Limestone has oil stain, slow cut. No porosity.

CUTTINGS - SAMPLE DESCRIPTION

<u>DEPTH</u>	<u>30' SAMPLES</u>	<u>LITHOLOGY</u> (Samples not lagged)
880-910	Sandstone, white-gray, fine grained, slightly friable-friable, trace residue. No live show.	
910-940	Siltstone, gray, very hard, tight to slightly friable. No show. Possibly grades to very fine grained sand.	
940-970	Shale, dark gray-brown gray, fine-hard, slightly silty in part; shale, limey, specks in part.	
970-1000	Shale, dark gray, firm-hard.	
1000-1030	Sand, white-gray, fine grained, subrounded, slightly friable, scattered black oil-tar residue, good white cut. No fluorescence. Fair porosity. "Dead".	
1030-1060	Sand, white-gray-greenish, fine-medium grained and trace coarse grained, white sand, hard, tight, calcareous, subangular, poor sorting, very scattered dull fluorescence.	
1060-1090	Sand, white-gray, fine-medium grained, loose-friable, subangular-subrounded, oil residue, free oil on water. No fluorescence, excellent cut, good porosity, "wet".	
1090-1120	Shale, gray, firm-soft, subwaxy; with sand, white-gray, fine-medium grained, subrounded-heavy oil residue and few free oil globules. Fair porosity, instant white cut, probably dead.	
1120-1150	Sandstone, white, gray, fine-medium grained, calcareous, clusters-friable, oil residue, and oil globules, trace dull orange fluorescence, immediate excellent white cut. Good porosity, good show. NOTE: Considerable heavy oil scum on pits at daylight. Also sour gas odor. Dried sample shows abundant oil saturated sand.	
1150-1180	Shale, red and green, subwaxy, soft-firm, trace silty; and siltstone, gray green, gray, firm-hard.	
1180-1210	Shale, increase red and yellow mottled, with sand, white-gray, fine grained, calcareous, hard, tight. Trace bright yellow fluorescence in tight, white, fine grained sand.	
1210-1240	Sand, white-gray white, fine-medium grained, calcareous, trace black grains, subangular, hard, tight. No show.	
1240-1300	Shale, red-brown red, firm-soft, subwaxy, with some green subwaxy shale. Siltstone, red-orangish red, and trace sand, reddish brown, fine grained, tight. (Mud turned red.)	

CUTTINGS - SAMPLE DESCRIPTION

<u>DEPTH</u>	<u>30' SAMPLES</u>	<u>LITHOLOGY</u> (Samples not lagged)
1300-1330	As above, with sand, white-green, very fine grained; and siltstone, green-gray and green, all hard, tight. No show.	
1330-1360	Shale, red, maroon red, soft-slightly friable, subwaxy.	
1360-1390	Shale as above, with abundant green and yellow shale, with green gray siltstone-very fine grained sand, hard, tight, trace tan ostracodal limestone.	
1390-1410	Vari-colored shale as above, increase yellow, maroon shale. Very little siltstone. Trace limestone as above.	
1410-1440	As above, increase green-gray siltstone.	
1440-1470	Sandstone, gray, fine-medium grained, calcareous; sand, in part with orange and green grains, subangular, scattered oil residue. Fair porosity. No live shows.	
1470-1500	Sand as above, with shale and siltstone, green gray, generally hard, tight. Sand also becoming hard, tight in part. No show.	
1500-1560	Limestone, brown-dark brown, very fossiliferous in part, very fine crystalline-to coarse crystalline, fossiliferous, ostracodal. 25% dull, yellow-orange fluorescence, slow white cut. No porosity.	
1560-1590	Limestone, brown-dark brown, coarse crystalline, fossiliferous, and fossil assemblage, ostracodal. No porosity. 75% yellow-orange fluorescence, slow white cut. Poor show.	
1590-1620	Limestone, brown-dark brown and tan, fine-medium crystalline, slightly fossiliferous. 5% fluorescence. No porosity. Very poor show. Siltstone and shale, gray, firm-soft.	
1620-1650	Shale and siltstone, gray-gray brown, firm, calcareous in part.	
1650-1680	With sand, white-gray, very fine grained-graded to siltstone, calcareous, very hard, tight.	

CUTTINGS - SAMPLE DESCRIPTION

<u>DEPTH</u>	<u>30' SAMPLES</u>	<u>LITHOLOGY</u> (Samples not lagged)
LOG TOP - WASATCH MARKER 1702 (+4505)		
1680-1740	Limestone, brown-dark brown, tan, fine crystalline-coarse crystalline, very fossiliferous, ostracodal limestone; good scattered yellow-orange fluorescence, slow white cut. No porosity.	
1740-1770	Shale, red, dull red, firm-soft, with very fine grained red-silty sand, firm. No show.	
1770-1800	Shale, red, silty in part, firm to hard, with green-gray siltstone, and very fine grained sand, calcareous, hard. No show.	
1800-1860	Shale and siltstone, red, firm-hard.	
1860-1890	Shale and siltstone as above, with softer shale in part, with scattered sand, gray, very fine grained-fine grained, calcareous, hard, tight.	
1890-1910	Shale, red, silty in part, soft-firm, and siltstone, red-reddish brown, firm.	
1910-1970	As above, with sand, very fine grained-fine grained, gray and reddish gray, and brown, calcareous, slightly friable. No show.	
1970-2030	Shale, red predominately, with green-gray, subwaxy, with sand-siltstone, sand is fine grained, argillaceous. No show.	
2030-2060	Sandstone, reddish green-reddish brown, fine grained, subangular, calcareous, slightly friable, few orange-green grains. Trace porosity. No show.	
2060-2120	Shale, red, silty in part, and sand, very fine grained, red-brown, argillaceous. No show.	
2120-2150	Sandstone, white-gray and green gray, with abundant orange and few black grains, in part slightly reddish tint. Sand is fine-medium grained, subangular, with trace fine grained, calcareous, very slightly friable, generally poor porosity. No show.	
2150-2230	Shale, and siltstone, red, reddish brown, trace maroon, with some sand, reddish brown, very fine grained, argillaceous. No show.	

CUTTINGS - SAMPLE DESCRIPTION

<u>DEPTH</u>	<u>30' SAMPLES</u>	<u>LITHOLOGY</u> (Samples not lagged)
2230-2280	With increase sand, very fine grained-fine grained, calcareous, tight, argillaceous. No show.	
2280-2370	Shale and siltstone, red, firm.	
2370-2430	As above, with increase siltstone.	
2430-2460	With sand, red-white, fine grained, slightly friable, sand is in part feldspar.	
2460-2550	Shale and siltstone, red, firm.	
2550-2580	Sand, reddish, slightly orange, brown, fine grained-trace medium grained, subangular, calcareous, slightly friable. No show. Trace porosity.	
2580-2610	Shale and siltstone, red, reddish brown, firm.	
2610-2700	Sand, reddish, white-red, white, fine grained-trace medium grained, slightly friable-friable, calcareous, subangular, with black, green, orange grains. Fair porosity. (Drilling break 2630-53') No show.	
2700-2730	Sand as above, with shale, red, predominately with green, yellow, all firm- slightly soft, in part subwaxy.	
2730-2760	Shale, red, in part slightly silty-sandy, and siltstone, red, very argillaceous, all soft-firm.	
2760-2790	Shale and siltstone as above, with sand, reddish brown, very fine grained, calcareous, hard-tight. No show.	
2790-2820	Sand, dark gray, very fine grained, calcareous, hard, tight, and shale, gray, subwaxy.	
2820-2850	Sand, white with black-green grains, salt and pepper appearance, medium grained-trace coarse grained, hard-tight, slightly calcareous, subangular-angular. No show. With shale, bright blue green, in part silty, and subwaxy.	
LOG TOP - LOWER WASATCH 2850 (+3357)		
2850-2880	Sand, gray, very fine grained, hard, tight, with shale, red, green, and vari-colored.	
2880-2910	With increase sand. Sand reddish gray. Sand gray-white with orange, green, black grains, fine grained, subangular, hard-tight, calcareous. No show.	

CUTTINGS - SAMPLE DESCRIPTION

<u>DEPTH</u>	<u>30' SAMPLES</u>	<u>LITHOLOGY</u> (Samples not lagged)
2910-2970	Shale, gray, tan, red, gray predominate, with sand, very fine grained, gray-to siltstone. Tight. No show.	
	<u>START 10' SAMPLES</u>	
2970-3000	With increase sand, gray, very fine grained-fine grained, tight.	
3000-3010	Sand, gray, reddish gray, fine grained-medium grained, slightly friable, calcareous. No show.	
3010-3040	Sand, reddish gray, gray, very fine grained-fine grained, with green, black, orange grains, calcareous, hard, tight; shale, red, green, and gray, firm-soft, subwaxy.	
3040-3080	Sand, as above, increase green-orange and black grains. Shale, vari-colored.	
3080-3100	Sand as above, slight decrease, but with green, very fine grained, hard, tight sand; increase shale, red, green; limestone, tan-brown, very fine crystalline-crypto crystalline.	
3100-3120	Shale, vari-colored, but predominately red, with abundant green, gray, all firm, subwaxy in part.	
3120-3130	As above with sand, gray and green, very fine grained-fine grained, very hard-tight. No show.	
3130-3180	Shale and siltstone, red, soft-firm.	
3180-3190	As above, with increase siltstone, firm-hard.	
3190-3210	Shale and siltstone as above, with brownish red, fine grained, hard, tight sand.	
3210-3250	Sandstone, shale, and siltstone, interbedded, all red-reddish brown, firm-hard.	
3250-3280	Shale and siltstone as above.	
3280-3320	Shale and siltstone as above, with sand, brownish red-white, very fine grained-fine grained, tight.	
3320-3330	Shale and siltstone, red, firm.	
3330-3350	As above with sand, reddish white, very fine grained-fine grained, slightly friable. No show.	
3350-3360	Shale and siltstone as above.	

CUTTINGS - SAMPLE DESCRIPTION

<u>DEPTH</u>	<u>10' SAMPLES</u>	<u>LITHOLOGY</u> (Samples not lagged)
3360-3390	As above with sand, white-reddish, very fine grained. No show.	
3390-3450	Shale, red, soft-firm, and siltstone, firm, red.	
3450-3460	Sandstone, reddish gray-gray, very fine grained, calcareous, hard, tight.	
3460-3470	Shale and siltstone as above.	
3470-3490	With sand, reddish and white, very fine grained-fine grained, hard, tight, black, green, orange grains.	
3490-3500	With increase shale, red, soft-firm.	
3500-3530	Sand, tannish white, very fine grained-fine grained, generally tight, subangular. No show.	
3530-3540	Shale, red, soft-firm, in part very silty.	
3540-3550	With sandstone, white-reddish white, with few black, orange and green grains, fine grained, slightly friable. No show.	
3550-3560	Shale, dark red-pale red, soft-firm, in part subwaxy, and gray-gray green, subwaxy shale.	
3560-3570	As above with sand, white, very fine grained-fine grained, slightly friable. No show.	
3570-3580	Shale-siltstone as above.	
3580-3600	With sand, fine grained, white-reddish, slightly friable. No show.	
3600-3620	With increase sand, with red predominating. Shale, green-gray, subwaxy.	
3620-3640	Shale as above, decrease in sand.	
3640-3660	Shale, siltstone, and sand, interbedded, white sand, red shale and siltstone.	
3660-3700	Shale and siltstone, trace sand.	
3700-3710	Shale and siltstone, increase shale, also with green, maroon, other vari-colored.	
3710-3730	As above with sand, white-gray-brown, very fine grained-fine grained, slightly friable. No show.	
3730-3750	Shale-siltstone, soft-firm.	

CUTTINGS - SAMPLE DESCRIPTION

<u>DEPTH</u>	<u>10' SAMPLES</u>	<u>LITHOLOGY</u> (Samples not lagged)
3750-3790	As above with sand, white-red, fine grained, slightly friable. No show. No porosity.	
3790-3810	Shale-siltstone, red, soft-firm, with minor amounts white very fine grained-fine grained sand.	
3810-3820	As above with increase sand, white-reddish, very fine grained, with in part orange, green, black grains, very hard-tight. No show.	
3820-3840	Sand, white, very fine grained, loose in sample, in part with black grains. No show, porous.	
3840-3850	Shale, red, soft to firm, with siltstone, red, firm.	
3850-3860	With sand, white and reddish brown, very fine grained, calcareous, generally tight.	
3860-3880	Shale-siltstone as above.	
3880-3910	With good increase white-reddish, fine grained, friable sand, porous, loose in sample. No show.	
3910-3920	Shale and siltstone, red, soft-firm.	
3920-3930	With sand, reddish brown, and brown, very fine grained-fine grained, tight. No show.	
3930-4010	Shale and siltstone, red, soft-firm, with some green-gray, and yellow mottled shale.	
4010-4020	With sand, white, fine grained, slightly friable, subangular.	
4020-4310	Shale and siltstone, predominately red, with vari-colored, subwaxy, shale. Trace anhydrite.	
4310-4410	Shale, red predominately, firm-soft, with abundant green, and vari-colored shale, including maroon, orange, mottled yellow. In part with small amount siltstone, firm; trace sand, fine grained, tight. (Note: 4390-4400: trace limestone, brown, dense.)	
4410-4460	Shale and siltstone as above.	
4460-4480	With sand, white, very fine grained-fine grained, loose in sample. No show.	
4480-4500	Shale, and in part with siltstone, red, plus vari-colored shale.	
4500-4530	Sand, white-clear, feldspar, quartz, fine grained-very fine grained, loose, subrounded. Good porosity. No show. No gas.	

CUTTINGS - SAMPLE DESCRIPTION

<u>DEPTH</u>	<u>10' SAMPLES</u>	<u>LITHOLOGY (Samples not lagged)</u>
4530-4620	Shale, and siltstone, firm, soft, with vari-colored shale.	
4620-4630	Sandstone, white, fine grained, subangular, loose. No show. Probably porous.	
4630-4640	With sand as above, becoming tight, and gray, very fine grained, tight sand.	
4640-4650	Decrease in sand, with shale-siltstone, predominately with red, green, and vari-colored.	
4650-4760	Shale, red, firm, soft, and shale, vari-colored.	
4760-4800	As above, with scattered white, very fine grained, loose sand.	
4800-4940	Shale, red, firm-soft, subwaxy, with considerable green, subwaxy shale, and vari-colored and mottled shale; and with siltstone, red, soft-firm.	
4940-4960	Sandstone, white, fine grained, loose, friable, angular; with shale and siltstone as above.	
4960-5000	Sand is decreasing, with gray, silty shale, and gray siltstone.	
5000-5020	Shale-siltstone, red, and with vari-colored shale.	
5020-5040	Sand, white, fine grained, mostly loose in sample, subangular- subrounded, in part clay filled. Good porosity. No show. (5030-5040: With limestone, brown, very argillaceous, dense, bright yellow fluorescence, slow white cut - no porosity.)	
5040-5090	Shale, red, with green-yellow, subwaxy, soft-firm; and with small amount red-gray siltstone, trace sand, very fine grained.	
5090-5170	As above with increase sand, white, fine grained, loose, may be washing out of shale. No show. Probably no porosity. Sand varies from sample to sample, trace to 25%. Also abundant vari-colored shale.	
5170-5190	With increase sand, white, loose, very fine grained-fine grained.	
5190-5210	Sand, white, fine grained, loose, probably washed out of shale and clay matrix show. With shale, red and vari-colored.	
5210-5230	Sand, white, very fine grained-fine grained, subangular, with shale, red and vari-colored as above.	

CUTTINGS - SAMPLE DESCRIPTION

<u>DEPTH</u>	<u>10' SAMPLES</u>	<u>LITHOLOGY (Samples not lagged)</u>
5230-5250	Sand as above with some coarse black subrounded grains, mostly loose in samples; shale, increase, green and gray shale, with decrease in red shale and siltstone.	
5250-5260	Shale, green-gray, with red in part. Trace limestone, white-tan, very fine crystalline-dense; trace siltstone and sand.	
5260-5340	Shale as above, with increase red, firm-soft shale, with trace very fine grained, calcareous sand and siltstone. Shale in part very calcareous.	
5340-5350	As above with slight increase very fine grained loose sand, white, subangular.	
5350-5360	25% sand as above, and shale as above.	
5360-5370	Shale, gray, green, and red; in part calcareous, firm-soft, trace siltstone and sand, white-gray, trace red siltstone, all in part calcareous.	
5370-5390	As above with 50% sand, white-clear, loose, fine grained. No show.	
5390-5400	Shale as above.	
5400-5420	Shale, red-brownish red, with green and vari-colored; with limestone, gray-tan-brown, dense. No show.	
5420-5430	Shale as above, with sand, white, fine-medium grained, in part with black, orange grains, hard, tight. No show.	
5430-5440	With shale, increasing green and gray, subwaxy, firm, with limestone, tan-gray, dense, and sand, white, fine grained-trace medium grained, slightly friable, with black and green grains. No show.	
5440-5450	As above, with increase sand, increase medium grained sand. No show.	
5450-5550	Shale, red, with green, yellow and vari-colored, and siltstone, brick red, firm.	
5550-5590	Shale and siltstone as above, with shale, green with embedded medium grained sand, and trace sand, medium grained, loose, to few clusters, trace salt and pepper.	

CUTTINGS - SAMPLE DESCRIPTION

<u>DEPTH</u>	<u>10' SAMPLES</u>	<u>LITHOLOGY</u> (Samples not lagged)
5590-5610	Shale, red, green, and gray, soft-firm, in part sandy, with gray siltstone, and loose sand. Loose sand may be washed from shales. No show.	
5610-5640	Shales, red, green, gray, with abundant vari-colored, trace siltstone and sand, gray. No show.	
5640-5670	Shale as above, with very scattered siltstone, and trace sand, white, salt and pepper, medium-coarse grained, subangular, with dark minerals.	
5670-5690	Shale, equal parts red, green, gray, firm, subwaxy, with abundant vari-colored shale. Trace white, slightly salt and pepper, medium grained sand. No show.	
5690-5700	Sand, white-clear, fine-medium grained, trace coarse grained, subrounded, sand in clusters, and loose in sample, appears generally tight, in part with clay fill. No show.	
5700-5730	Sand as above, with medium grained, in part salt and pepper, black grains, few tight clusters, remainder loose. No show. Toward base, with gray, soft shale. Probably also red and green interbedded.	
5730-5740	Sand, white, fine-medium grained, trace coarse grained, very scattered salt and pepper, with black grains; shale, gray, green, red, soft-firm; sand is loose and samples almost mud.	
5740-5770	Sand as above, with increase shale as above.	
5770-5810	With sand as above, loose, white, trace black grains, subrounded, fine-medium grained, trace coarse grained. Samples look like mush - soft. Still carrying shale, red, green, gray and vari-colored.	
5810-5830	Sand, white-clear, fine grained, loose in samples, subrounded, very clean appearance. No drilling break - doubtful porosity. No show. Shale as above.	
5830-5850	Sand, as above decreasing with trace medium grained, black-orange grains in white sand, and also increase white, tight clusters. Shale as above, with dark gray-black, soft shale.	
5850-5860	100% sand, white-clear, fine grained-trace medium grained, all loose in sample, and in part with dark gray-black, firm shale.	

CUTTINGS - SAMPLE DESCRIPTION

<u>DEPTH</u>	<u>10' SAMPLES</u>	<u>LITHOLOGY</u> (Samples not lagged)
5860-5880	Sand as above, loose, and shale, gray-gray green, samples very fine. No show.	
5880-5900	Sand, white-clay filled clusters, fine-medium grained, few tan-black grains, subrounded-subangular; scattered shale, gray-gray black.	
5900-5930	Shale, gray-green, with red in part, and vari-colored shale, with small amount sand, fine grained, loose in sample, trace heavy black minerals. No show.	
5930-5950	Shale as above, with sand, white-clear, scattered black grains, medium grained, clay filled, subangular, slightly calcareous (5% of sample); and sand, white, very fine grained-fine grained, slightly friable, with heavy residue.	
5950-5980	Shale, as above, with slight increase white-clear, fine-medium grained sand, trace coarse grained, white and black sand grains, all hard, tight, clay filled in part, trace white, fine grained, with tar residue, very slow dull yellow cut. Trace limestone, tan and calcareous limy shale, with ostracods.	
5980-6000	As above with good increase, white-clear, feldspar and quartz sand, loose in sample. No show. (Samples are very fine.)	
6000-6020	Sand, white-clear, very fine grained-fine grained, black grains, clay filled, clusters, and abundant loose sand, with shale, green-gray, with decrease in red shale. Shale is firm-soft.	
6020-6030	Sand, white-clear, abundant black grains, fine grained, loose in samples, and shale, vari-colored, with abundant green, waxy.	
6030-6070	As above, with good increase dark gray shale; still abundant soft, vari-colored shale. Samples have abundant loose fine-medium grained sand, trace black, subangular grains, clay filled in part. Very few sand clusters.	
6070-6090	Samples are 50% loose fine grained-trace medium grained sand, in part with black grains, slightly salt and pepper appearance, sand is clay filled and few small clusters are tight. No show. Also shale, still red-green-gray, vari-colored, and with dark gray-gray black shale, gray and green predominates.	
6090-6140	Samples essentially as above, very fine; mostly shale, still with red, green, gray and vari-colored. Also dark gray-gray black shale, 10-25% white, fine grained sand, loose and clusters. No show.	

CUTTINGS - SAMPLE DESCRIPTION

6140-6180 Samples very poor, very fine.  
Shale, with predominately gray, green, and some dark gray-black.  
Loose sand, fine grained, trace slightly salt and pepper sand.  
No show.

6180-6230 Samples as above,  
with sand, loose-scattered clusters, white, fine-medium grained,  
trace coarse grained, few black grains,  
and trace orange and green, subangular sand, hard, tight.  
Much shale as above.

TRIP @ 6237'                      SLC 6237' = 6219'

6230-6240 Sample after trip, 100% mud, very fine sample.  
Most sand, very fine grained, all loose, with red-green-gray shale,  
very poor sample.

6240-6270 Sand, white, trace black grains, very fine grained, quartzitic,  
slightly glassy appearance, mostly loose, subrounded grains, and  
few very small clusters.  
Probably tight.    No show.  
Very poor sample, mostly soft vari-colored shale.

LOG TOP - MESAVERDE 6270 (-63)

6270-6280 Samples as above, very fine, all loose, shale-sand.  
Sand, white, very fine grained-fine grained, few small, tight clusters,  
sand is tight.  
Remainder of sample is vari-colored shale.

6280-6300 Sand as above with medium grained, clear, clay filled, subangular sand,  
and green, very fine grained, hard, tight sand,  
also with gray and green, soft shale, with fine grained sand embedded,  
and small amount shale, dark gray-black, carbonaceous.  
Very poor sample.

6300-6350 As above, trace cherty sand,  
and sand with siliceous cement.  
And with sand, white-clear, fine grained, small tight clusters,  
quartz cement, and clay filled.  
No show.  
Very poor sample.

6350-6380 Sand, white-clear, very scattered black grains, very fine grained-fine  
grained, subrounded, clay filled and few small clusters,  
abundant, green, gray, and red shale.  
Trace gray black-black carbonaceous shale.  
Very poor sample.

6380-6435 With slight increase white, very fine grained, rounded sand,  
most of sample is vari-colored shale.  
Very poor sample.

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

5. LEASE DESIGNATION AND SERIAL NO. ML-21021 ✓	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
7. UNIT AGREEMENT NAME Stone Cabin II Unit ✓	
8. FARM OR LEASE NAME Wildcat	
9. WELL NO. PTS 33-32	
10. FIELD AND POOL, OR WILDCAT Wildcat	
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 32, T.11S., R.14E.	
12. COUNTY OR PARISH Duchesne	13. STATE Utah

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Plugged and Abandoned	
2. NAME OF OPERATOR Pacific Transmission Supply Company	
3. ADDRESS OF OPERATOR 85 South 200 East, Vernal, UT 84078 1-801-789-4573	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1980' FSL and 1980' FEL	
14. PERMIT NO. 43-013-30331	15. ELEVATIONS (Show whether DF, RT, OR, etc.) 6190' GL

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

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

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

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

Operator has plugged the subject well on 9/21/74 as follows:

	40 sacks bottom	6320'-6220'
Class "G" Cement	150 sacks	2130'-1980'
	40 sacks	760'-660'
	45 sacks	470'-370'

A dry hole marker was set. The location has been recontoured and seeded.

**RECEIVED**  
JAN 19 1984

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING  
DATE: 1/20/84  
BY: [Signature]

DIVISION OF  
OIL, GAS & MINING

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

SIGNED Rick Canterbury TITLE Associate Engineer DATE Jan. 17, 1984  
(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:  
cc: Div. OG&M; Operations; Land; ERHenry; SFurtado

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

5. LEASE DESIGNATION AND SERIAL NO.

ML-21021 ✓

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

**SUNDRY NOTICES AND REPORTS ON WELLS**

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7. UNIT AGREEMENT NAME

Stone Cabin II Unit

8. FARM OR LEASE NAME

Wildcat

9. WELL NO.

PTS 33-32

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 32, T.11S., R.14E.

12. COUNTY OR PARISH

Duchesne

18. STATE

Utah

1. OIL WELL  GAS WELL  OTHER  Plugged and Abandoned

2. NAME OF OPERATOR  
Natural Gas Corporation of California

3. ADDRESS OF OPERATOR  
85 South 200 East, Vernal, UT 84078 1-801-789-4573

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\* See also space 17 below.)  
At surface  
1980' FSL and 1980' FEL

14. PERMIT NO.  
43-013-30331

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
6190' GL

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

NOTICE OF INTENTION TO:

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

SUBSEQUENT REPORT OF:

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

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OIL, GAS, AND MINING

JAN 19 1984

DATE: \_\_\_\_\_  
BY: \_\_\_\_\_

DIVISION OF  
OIL, GAS & MINING

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

SIGNED Rick Canterbury TITLE Associate Engineer DATE Jan. 17, 1984  
Rick Canterbury  
(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

cc: Div. of OG&M; Operations; Land; ERHenry; SFurtado