

Date first production: 4/30/77

FILE NOTATIONS

Entered in NID File  \_\_\_\_\_  
Entered On S R Sheet \_\_\_\_\_  
Location Map Pinned  \_\_\_\_\_  
Card Indexed  \_\_\_\_\_  
IWR for State or Fee Land \_\_\_\_\_

Checked by Chief \_\_\_\_\_  
Copy NID to Field Office \_\_\_\_\_  
Approval Letter \_\_\_\_\_  
Disapproval Letter \_\_\_\_\_

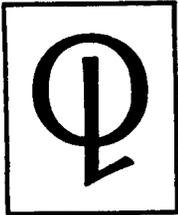
COMPLETION DATA:

Date Well Completed 4-30-77  
OW  WW \_\_\_\_\_ TA \_\_\_\_\_  
GW \_\_\_\_\_ OS \_\_\_\_\_ PA \_\_\_\_\_

Location Inspected \_\_\_\_\_  
Bond released \_\_\_\_\_  
State of Fee Land \_\_\_\_\_

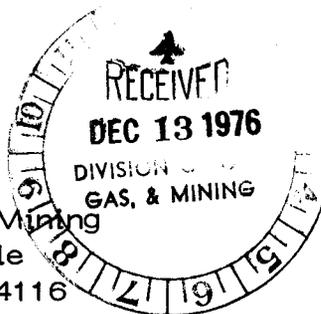
LOGS FILED

Driller's Log  \_\_\_\_\_  
Electric Logs (No. )  \_\_\_\_\_  
E \_\_\_\_\_ I \_\_\_\_\_ E-I \_\_\_\_\_ GR \_\_\_\_\_ CRM \_\_\_\_\_ Micro \_\_\_\_\_  
Lat. \_\_\_\_\_ Mi-L \_\_\_\_\_ Sonic \_\_\_\_\_ Others \_\_\_\_\_



# AMERICAN QUASAR PETROLEUM CO.

330 PACIFIC WESTERN LIFE BUILDING / CASPER / WYOMING 82601 U.S.A. / TELEPHONE (307) 265-3362



December 9, 1976

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

Attention: Mr. Cleon B. Feight, Director

Re: Boyer #34-1  
SE/4 SW/4 Sec. 34-3N-7E  
Summit County, Utah

Gentlemen:

Pursuant to a request from our Denver office today, we enclose herewith surveyor's plat in triplicate covering the captioned well.

Application for Permit to Drill this well is being mailed to you today by our Denver office.

Very truly yours,

AMERICAN QUASAR PETROLEUM CO.

*John F. Sindelar*  
John F. Sindelar  
Division Dirg. Supt. *bh.*

bh

Enc's

c/c to: A. H. Hurley, Jr. - Denver Office (w/copy of plat)

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

SUBMIT IN DUPLICATE\*  
(Other instructions on reverse side)

**FEE**

**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  
American Quasar Petroleum Co of New Mexico

3. Address of Operator  
707 United Bank Tower, 1700 Broadway, Denver, CO 80290

4. Location of Well (Report location clearly and in accordance with any State requirements)  
 At surface: 1980' FWL, 859' FSL, Sec. 34-3N-7E surface  
 At proposed prod. zone: 1980' FWL, 500+ FSL, Sec. 34-3N-7E producing

5. Distance in miles and direction from nearest town or post office\*  
15 miles east of Coalville, Utah

6. Lease Designation and Serial No.  
34-1

7. If Indian, Allottee or Tribe Name  
 \_\_\_\_\_

8. Farm or Lease Name  
Boyer

9. Well No.  
34-1

10. Field and Pool, or Wildcat  
Pineview

11. Sec., T., R., M., or Blk. and Survey or Area  
Sec. 34-3N-7E SLM

12. County or Parrish  
Summit

13. State  
Utah

14. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any)  
859'

15. No. of acres in lease  
340

16. No. of acres assigned to this well  
80

17. Distance from proposed location\* to nearest well, drilling, completed, or applied for, on this lease, ft.  
1870'

18. Proposed depth  
10,250'

19. Rotary or cable tools  
Rotary

20. Elevations (Show whether DF, RT, GR, etc.)  
6740 GL

21. Approx. date work will start\*  
 \_\_\_\_\_

*Revised for 519' FSL + 1980' FWL (NW SE SW)*

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'	Ready Mix
12 1/4"	9 5/8"	36#	1500'	Circ.
8 3/4"	7"	23, 26, 29#	10250'	600 Sx

American Quasar Petroleum Co proposes to drill a 10,250' well on the above described location to test the Twin Creek and Nugget formations. Drilling and cementing of casing will be performed as above. Testing of potential zones will be at the discretion of the operator. Electric logs will be run to TD. Mud weight will be sufficient to contain pressures encountered.

The BOP's will be opened and closed during each 24-hr. period to insure proper function during the drilling of this well. Pressure tests with chart recording will be performed each 30 days.

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.

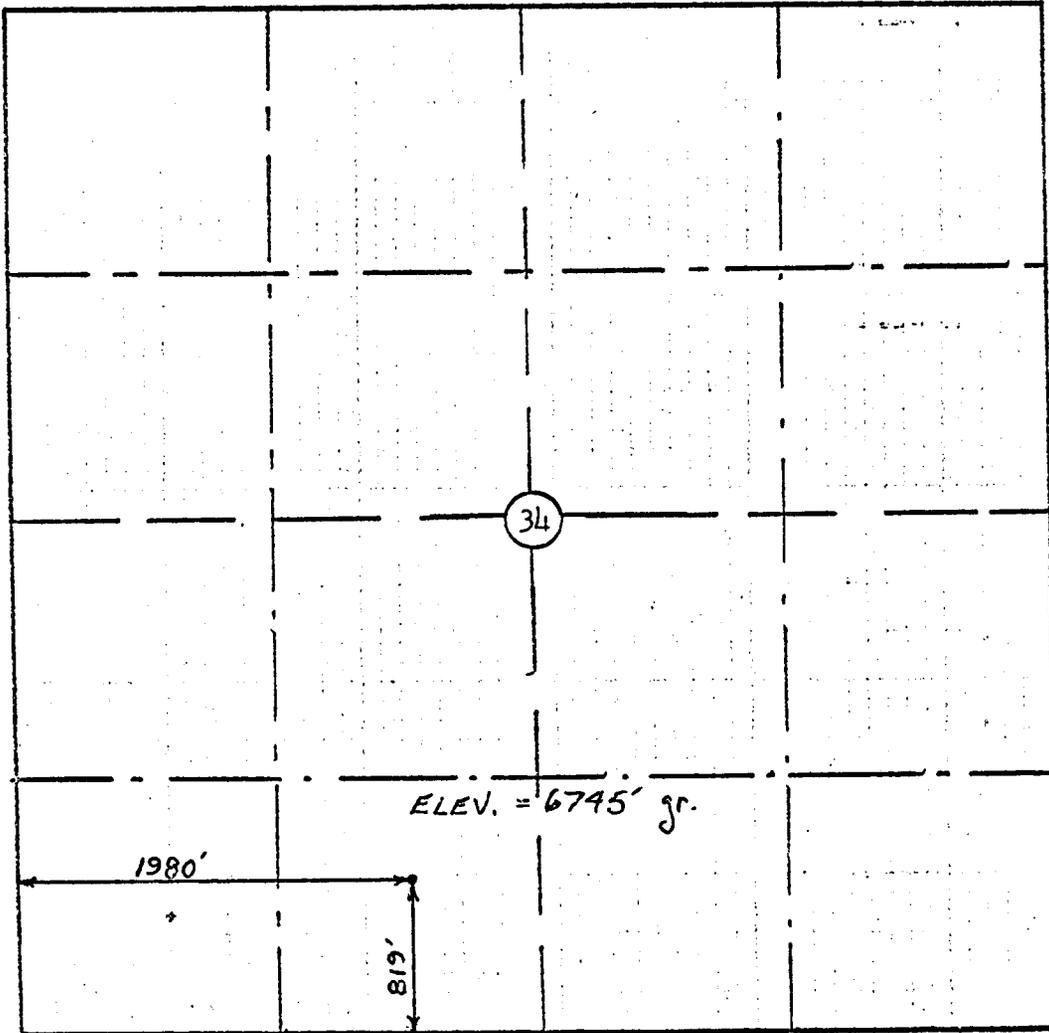
24. Signed [Signature] Title Operations Manager Date 12-9-76

(This space for Federal or State office use)

Permit No. 43-043-30034 Approval Date \_\_\_\_\_

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
 Conditions of approval, if any:

R. 7 E.



T.  
2  
N.



Scale: 1" = 1000'

SUMMIT ENGINEERING INC. surveyed the following location for an oil well for the American Quasar Petroleum Co.-- American Quasar 34-1 (Relocation)

A point 819.0 feet North of the South line and 1980.0 feet East of the West line of Section 34, T.2.N., R.7.E., SLB&M, Summit County, Utah.

DATE 18 DEC 1976

D. J. SILVER  
No. 3491

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

FEE

5. Lease Designation and Serial No.

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  
American Quasar Petroleum Co of New Mexico

3. Address of Operator  
707 United Bank Tower, 1700 Broadway, Denver, CO 80290

4. Location of Well (Report location clearly and in accordance with any State requirements.)\*  
At surface  
1980' FWL, 859' FSL, Sec. 34-3N-7E  
At proposed prod. zone  
1980' FWL, 500+' FSL, Sec. 34-3N-7E

14. Distance in miles and direction from nearest town or post office\*  
15 miles east of Coalville, Utah

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any)  
859'

18. Distance from proposed location\* to nearest well, drilling, completed, or applied for, on this lease, ft.  
1870'

21. Elevations (Show whether DF, RT, GR, etc.)  
6740 GL

6. If Indian, Allottee or Tribe Name

7. Unit Agreement Name

8. Farm or Lease Name

Boyer

9. Well No.  
34-1

10. Field and Pool, or Wildcat

Pineview

11. Sec., T., R., M., or Blk. and Survey or Area  
Sec. 34-3N-7E SLM

12. County or Parrish 13. State  
Summit Utah

16. No. of acres in lease 340 17. No. of acres assigned to this well 80

19. Proposed depth 10,250' 20. Rotary or cable tools Rotary

22. Approx. date work will start\*

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'	Ready Mix
12 1/4"	9 5/8"	36#	1500'	Circ.
8 3/4"	7"	23, 26, 29#	10250'	600 Sx

American Quasar Petroleum Co proposes to drill a 10,250' well on the above described location to test the Twin Creek and Nugget formations. Drilling and cementing of casing will be performed as above. Testing of potential zones will be at the discretion of the operator. Electric logs will be run to TD. Mud weight will be sufficient to contain pressures encountered.

The BOP's will be opened and closed during each 24-hr. period to insure proper function during the drilling of this well. Pressure tests with chart recording will be performed each 30 days.

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...

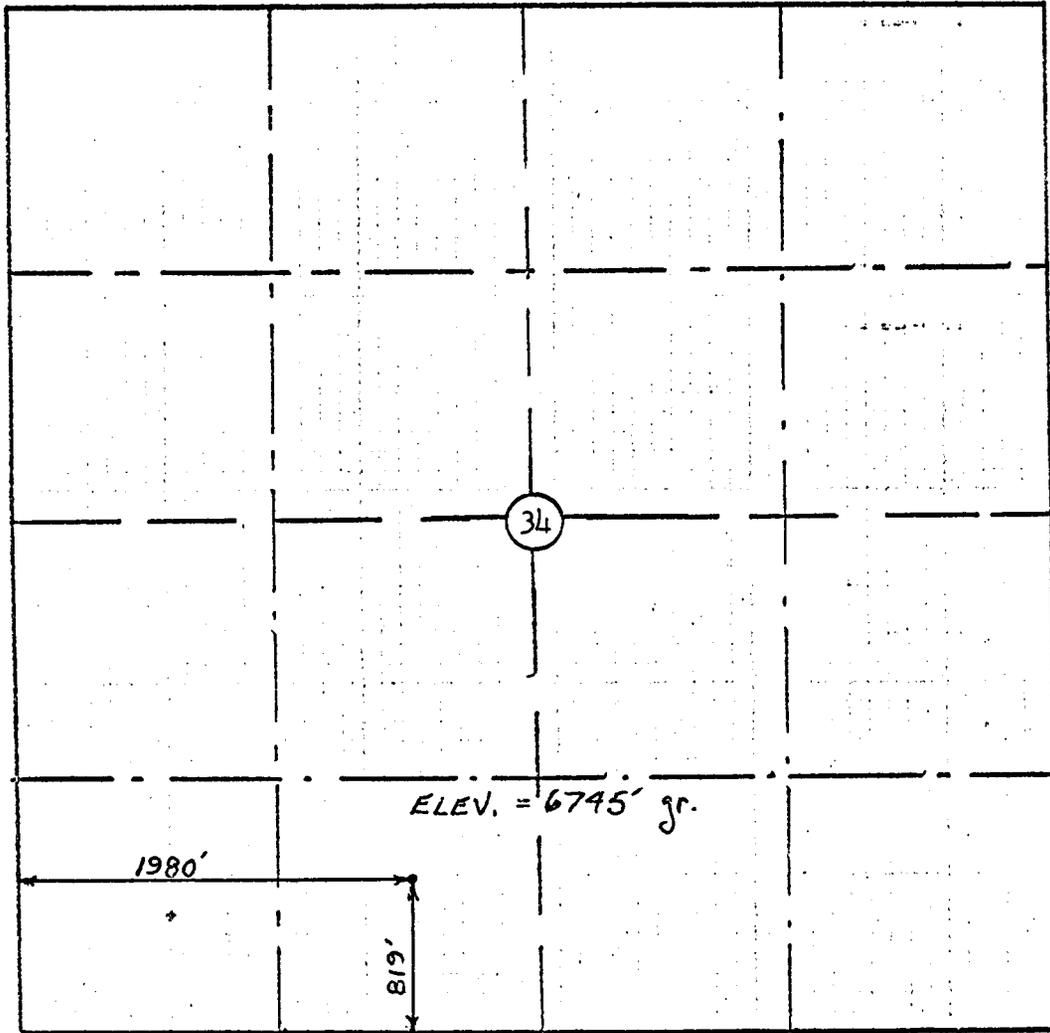
24. Signed [Signature] Title Operations Manager Date 12-9-76

(This space for Federal or State office use)

Permit No. U Approval Date

Approved by Title Date  
Conditions of approval, if any:

R. 7 E.



Scale: 1" = 1000'

SUMMIT ENGINEERING INC. surveyed the following location for an oil well for the American Quasar Petroleum Co.-- American Quasar 34-1 (Relocation)

A point 819.0 feet North of the South line and 1980.0 feet East of the West line of Section 34, T.2.N., R.7.E., SLB&M, Summit County, Utah.

DATE 18 DEC 1976

D. J. SILVER  
No. 3491

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

FEE  
5. Lease Designation and Serial No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work  
DRILL  DEEPEN  PLUG BACK

6. If Indian, Allottee or Tribe Name

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

7. Unit Agreement Name

2. Name of Operator  
American Quasar Petroleum Co of New Mexico

8. Farm or Lease Name

3. Address of Operator  
707 United Bank Tower, 1700 Broadway, Denver, CO 80290

9. Well No.  
Boyer  
34-1

4. Location of Well (Report location clearly and in accordance with any State requirements.)\*  
At surface

10. Field and Pool, or Wildcat

1980' FWL, 859' FSL, Sec. 34-3N-7E  
At proposed prod. zone  
1980' FWL, 500+' FSL, Sec. 34-3N-7E

11. Sec., T., R., M., or Blk. and Survey or Area  
Pineview  
Sec. 34-3N-7E SLM

14. Distance in miles and direction from nearest town or post office\*  
15 miles east of Coalville, Utah

12. County or Parrish 13. State  
Summit Utah

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any)  
859'

16. No. of acres in lease  
340

17. No. of acres assigned to this well  
80

18. Distance from proposed location\* to nearest well, drilling, completed, or applied for, on this lease, ft.  
1870'

19. Proposed depth  
10,250'

20. Rotary or cable tools  
Rotary

21. Elevations (Show whether DF, RT, GR, etc.)  
6740 GL

22. Approx. date work will start\*

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'	Ready Mix
12 1/4"	9 5/8"	36#	1500'	Circ.
8 3/4"	7"	23, 26, 29#	10250'	600 Sx

American Quasar Petroleum Co proposes to drill a 10,250' well on the above described location to test the Twin Creek and Nugget formations. Drilling and cementing of casing will be performed as above. Testing of potential zones will be at the discretion of the operator. Electric logs will be run to TD. Mud weight will be sufficient to contain pressures encountered.

The BOP's will be opened and closed during each 24-hr. period to insure proper function during the drilling of this well. Pressure tests with chart recording will be performed each 30 days.

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...

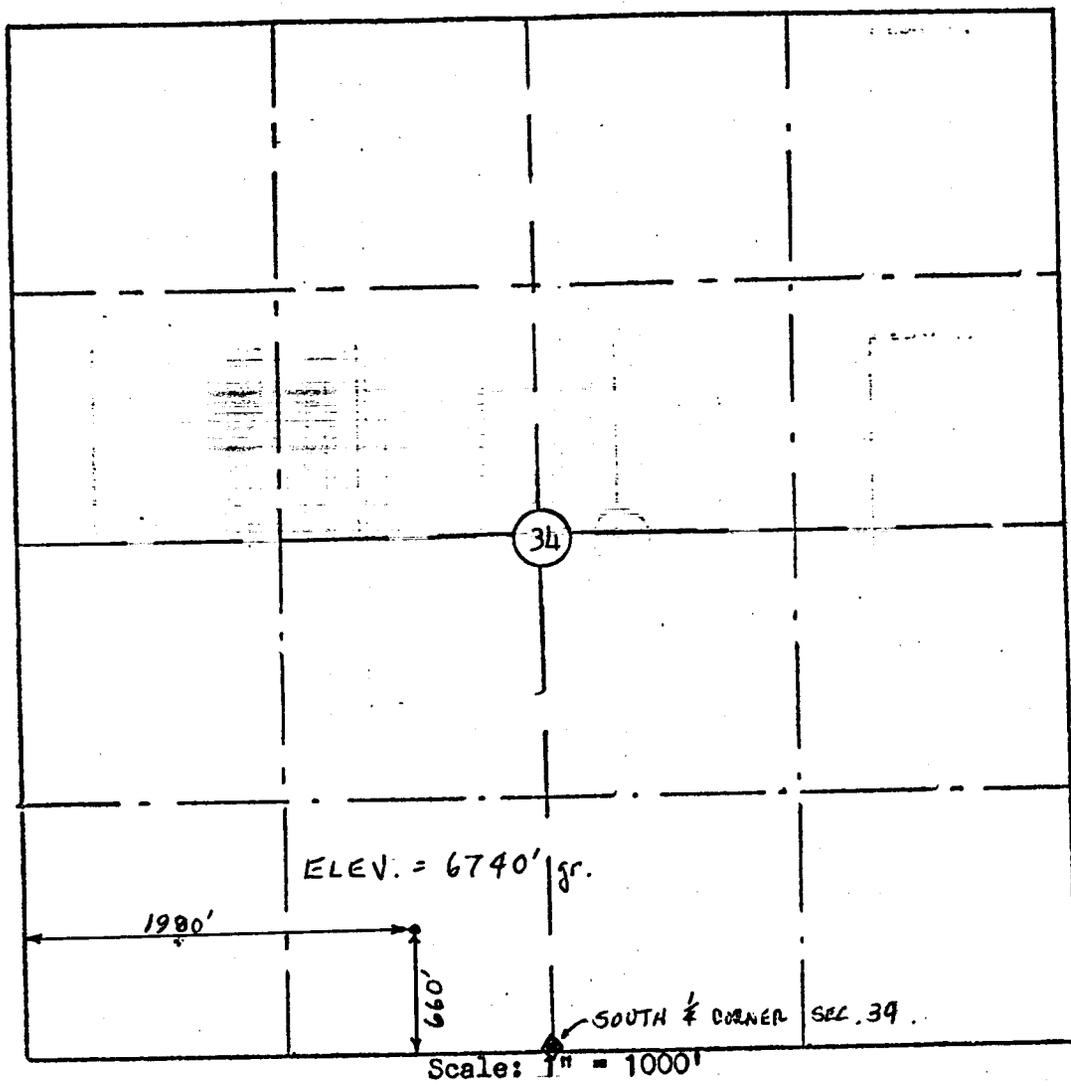
24. Signed: *[Signature]* Title: Operations Manager Date: 12-9-76

(This space for Federal or State office use)

Permit No. .... Approval Date .....

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

R. 7 E.

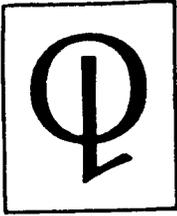


SUMMIT ENGINEERING INC. surveyed the following location for an oil well for the American Quasar Petroleum Co.-- American Quasar <sup>Boyer</sup> 34-1.

The center of the Southeast  $\frac{1}{4}$  of the Southwest  $\frac{1}{4}$  of Section 34, T.3.N., R.7.E., SLB&M, Summit County, Utah. A point further described as shown above. The distances shown are from the South and West Section lines.

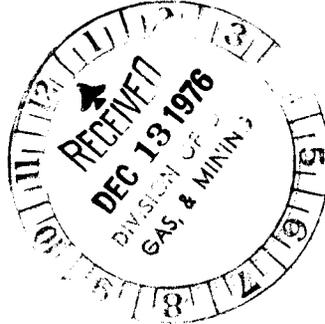
DATE 27 AUG 76

D. J. SILVER  
No. 3491  
*[Signature]*



# AMERICAN QUASAR PETROLEUM CO. OF NEW MEXICO

707 UNITED BANK TOWER, 1700 BROADWAY, DENVER, COLORADO 80290, U.S.A.  
TELEPHONE (303) 861-8437



December 9, 1976

Attn: Cleon B. Feight  
State of Utah  
Division of Oil, Gas & Mining  
1588 West North Temple  
Salt Lake City, UT 84116

Gentlemen:

Attached is our NID on our Boyer 34-1 well in the Pineview Field.

The survey plat for this well is being mailed to you from our Casper office.

We intend to move to this area as soon as our UPRR 3-4 well is completed and would appreciate your prompt approval of our application.

Thank you.

Sincerely yours,

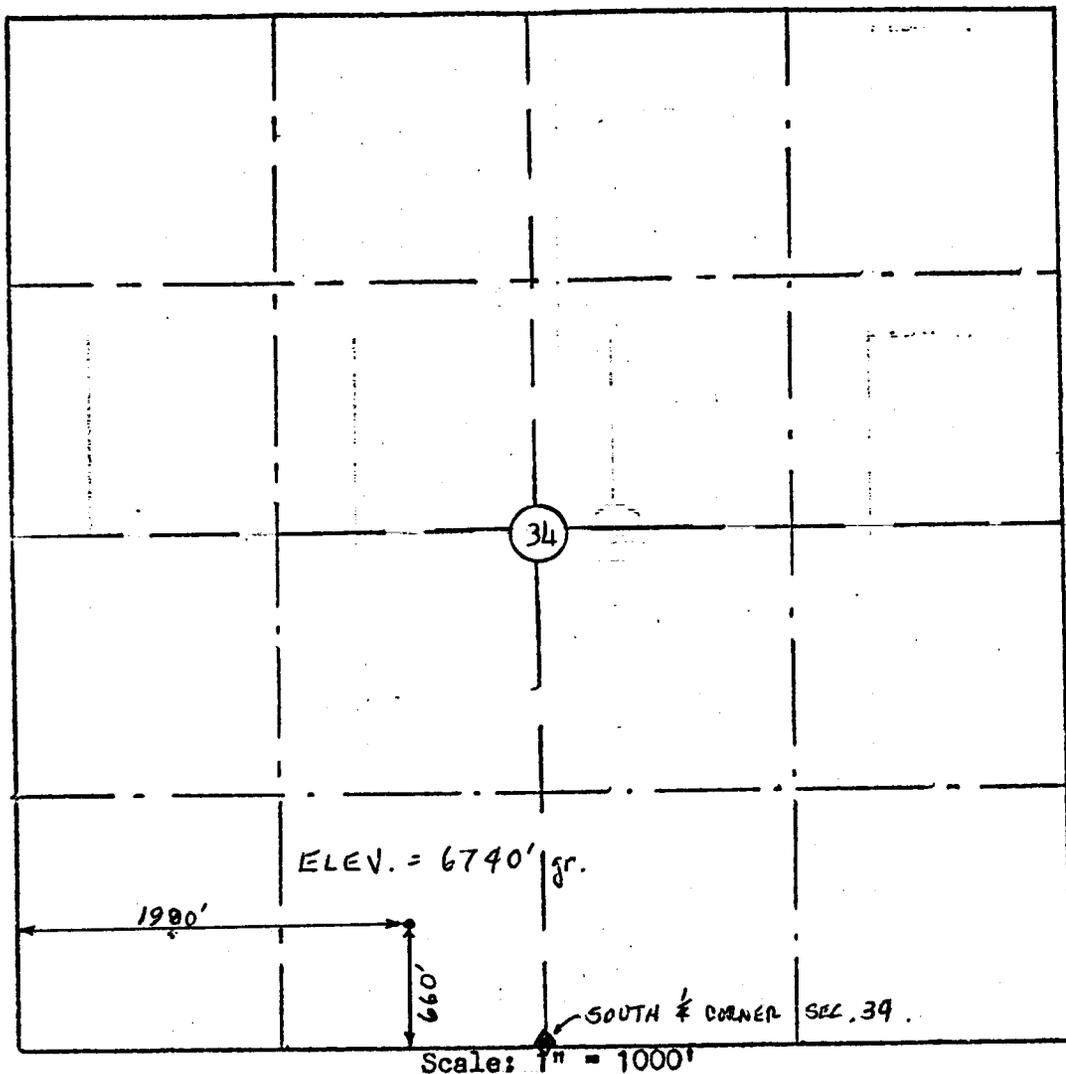


A. H. Hurley, Jr.

AHH:ld

Attachment

R. 7 E.



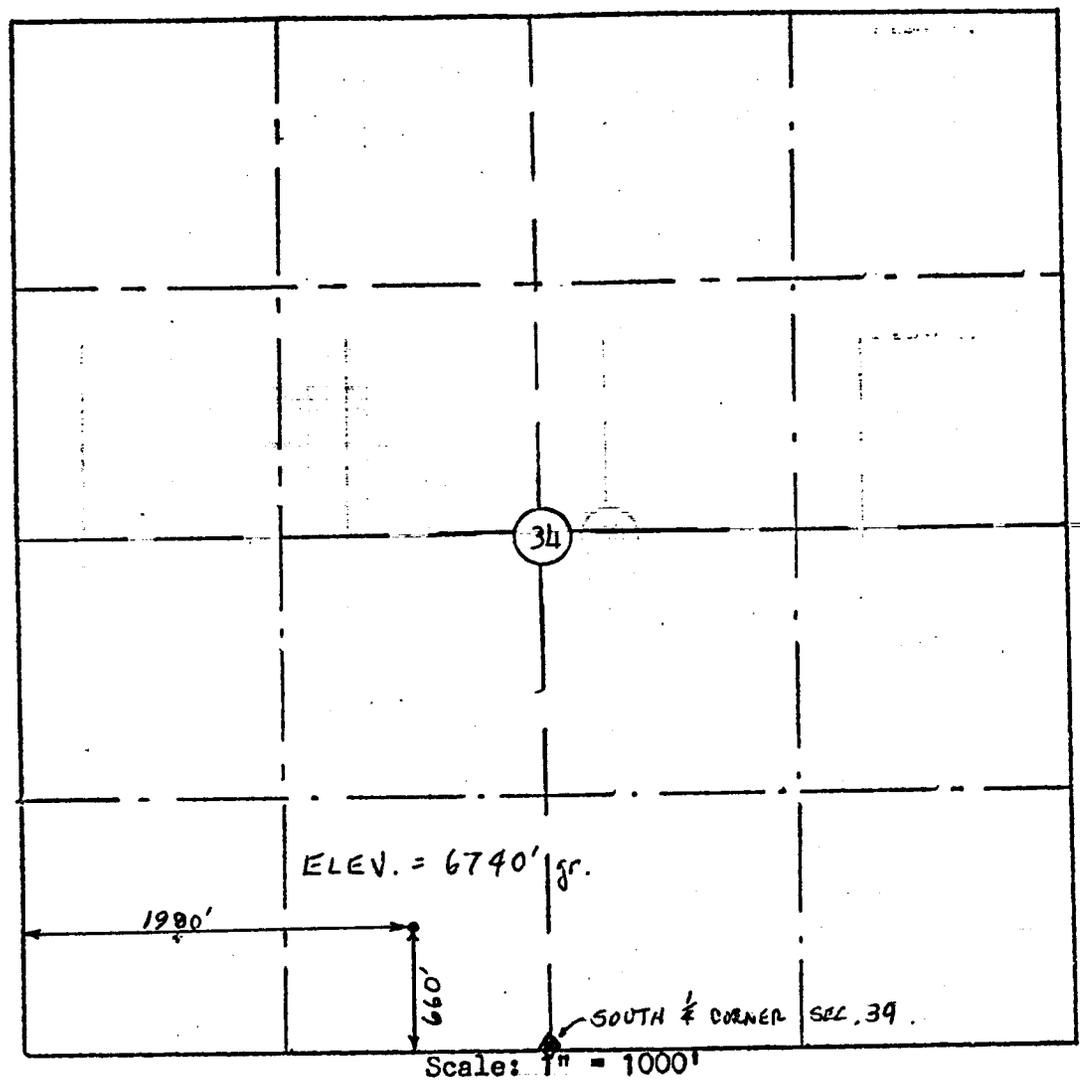
SUMMIT ENGINEERING INC. surveyed the following location for an oil well for the American Quasar Petroleum Co.-- American Quasar <sup>Boyer</sup> 34-1.

The center of the Southeast  $\frac{1}{4}$  of the Southwest  $\frac{1}{4}$  of Section 34, T.3.N., R.7.E., SLB&M, Summit County, Utah. A point further described as shown above. The distances shown are from the South and West Section lines.

DATE 27 AUG 76

D. J. SILVER  
No. 3491  
*[Signature]*

R. 7 E.



T. T.  
3 3  
N. N

SUMMIT ENGINEERING INC. surveyed the following location for an oil well for the American Quasar Petroleum Co.-- American Quasar <sup>Boyle</sup> 34-1.

The center of the Southeast 1/4 of the Southwest 1/4 of Section 34, T.3.N., R.7.E., SLB&M, Summit County, Utah. A point further described as shown above. The distances shown are from the South and West Section lines.

DATE 27 AUG 76

D. J. SILVER  
No. 3491  
*[Signature]*

STATE OF UTAH  
DIVISION OF OIL, GAS, AND MINING

\*\* FILE NOTATIONS \*\*

Date: Dec. 14-  
Operator: American Gasar  
Well No. Boyer 34-1  
Location: Sec. 34 T. 3N R. 1E, 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"/>

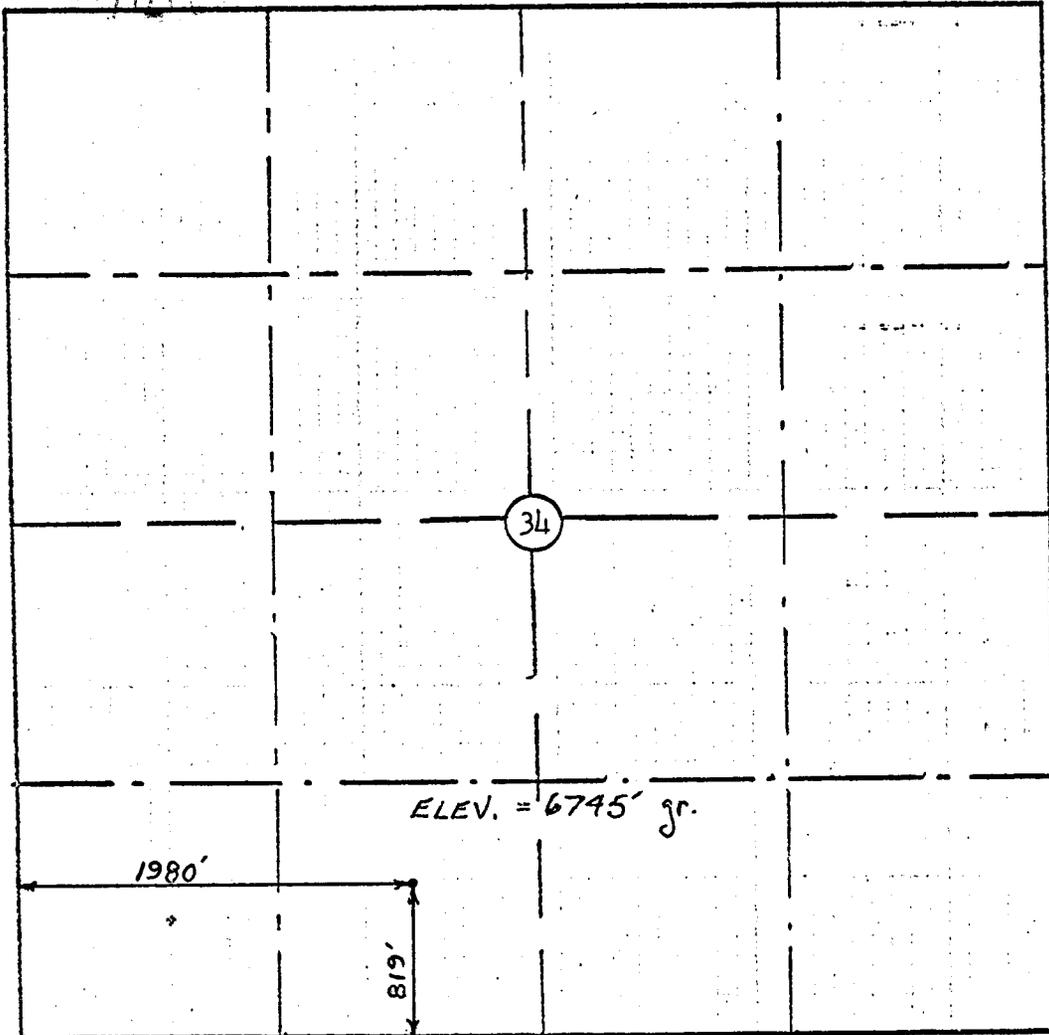
Checked By:  
Administrative Assistant: [Signature]  
Remarks: OK  
Petroleum Engineer: [Signature]  
Remarks:  
Director: [Signature]  
Remarks: [Signature]

Include Within Approval Letter:

Bond Required	<input type="checkbox"/>	Survey Plat Required	<input type="checkbox"/>
Order No. <u>160-6</u>	<input type="checkbox"/>	Surface Casing Change	<input type="checkbox"/>
		to _____	
Rule C-3(c), Topographical exception/company owns or controls acreage within a 660' radius of proposed site <input type="checkbox"/>			
O.K. Rule C-3	<input checked="" type="checkbox"/>	O.K. In _____	Unit <input type="checkbox"/>
Other:			
<input checked="" type="checkbox"/> Letter Written			



R. 7 E.



Scale: 1" = 1000'

SUMMIT ENGINEERING INC. surveyed the following location for an oil well for the American Quasar Petroleum Co.-- American Quasar 34-1 (Relocation)

A point 819.0 feet North of the South line and 1980.0 feet East of the West line of Section 34, T.2.N., R.7.E., SLB&M, Summit County, Utah.

1980 FW L  
819 FS L

DATE 18 DEC 1976

D. J. SILVER  
No. 3491

December 29, 1976

American Quasar Petroleum Co.  
707 United Bank Tower  
Denver, Colorado 80290

RE: WELL NO. BOYER 34-1  
Sec. 34, T. 3N, R. 7E  
Summit County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with the Order issued in Order Cause No. 160-6.

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 43-043-30034.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FREIGHT  
Director

/ko

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

State Lease No. \_\_\_\_\_  
 Federal Lease No. \_\_\_\_\_  
 Indian Lease No. \_\_\_\_\_  
 Fee & Pat. FEE

1588 WEST NORTH TEMPLE  
 SALT LAKE CITY, UTAH 84116  
 328-5771

**RECEIVED**  
**FEB 25 1977**

**REPORT OF OPERATIONS AND WELL STATUS REPORT**

P

STATE Utah COUNTY Summit FIELD/LEASE Pineview

The following is a correct report of operations and production (including drilling and producing wells) for the month of:  
January, 19 77.

Agent's Address 707 United Bank Tower Company American Quasar Petroleum Co  
1700 Broadway Signed A. H. Hurley  
Denver, CO 80290 Title Division Operations Manager  
 Phone No. 303/861-8437

Sec. and 1/4 of 1/4	Twp.	Range	Well No.	Days Produced	Barrels of Oil	Gravity	Cu. Ft. of Gas (In thousands)	Gallons of Gasoline Recovered	Barrels of Water (if none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
Boyer Section 34 SE SW	34 3N	7E	34-1							Spudded 1-2-77 Ran & cmtd. 13 3/8" cond. pipe  Ran & cmtd. 9 5/8" csg. CS-1515'  Drlg. @ 5405'
										Gas Sold _____ 0 _____ Flared/Vented _____ 0 _____ Used on/off Lease _____ 0 _____

NOTE: There were 0 runs or sales of oil; 0 M. cu. ft. of gas sold;  
0 runs or sales of gasoline during the month.

**DRILLING/PRODUCING WELLS:** This report must be filed on or before the sixteenth day of the succeeding month following production for each well. Where a well is temporarily shut-in, a negative report must be filed. **THIS REPORT MUST BE FILED IN DUPLICATE.**

Contractor True Drlg. Co. Top Choke 1/4"  
 Rig No. 14 Bottom Choke 1"  
 Spot SE-SW Size Hole 8 3/4"  
 Sec. 34 Size Rat Hole --  
 Twp. 3 N Size & Wt. D. P. 4 1/2" 16.60  
 Rng. 7 E Size Wt. Pipe --  
 Field Pineview I. D. of D. C. 2 1/2"  
 County Summit Length of D. C. 401'  
 State Utah Total Depth 9800'  
 Elevation 6757' "K.B." Interval Tested 9575-9800'  
 Formation Twin Creek Type of Test Bottom Hole Conventional

Flow No. 1 -- Min.  
 Shut-in No. 1 -- Min.  
 Flow No. 2 -- Min.  
 Shut-in No. 2 -- Min.  
 Flow No. 3 -- Min.  
 Shut-in No. 3 -- Min.  
 Bottom Hole Temp. --  
 Mud Weight --  
 Gravity --  
 Viscosity --

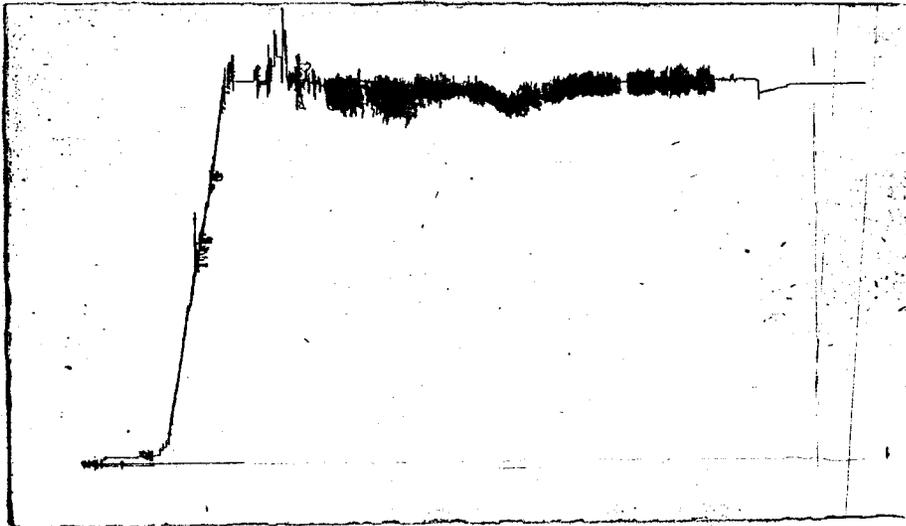
Tool opened @ --

**Inside Recorder**

PRD Make Kuster K-3  
 No. 12983 Cap. 5900 @ --

	Press	Corrected
Initial Hydrostatic	A	--
Final Hydrostatic	K	--
Initial Flow	B	--
Final Initial Flow	C	--
Initial Shut-in	D	--
Second Initial Flow	E	--
Second Final Flow	F	--
Second Shut-in	G	--
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--

Lynes Dist.: Rock Springs, Wy.  
 Our Tester: Wayne Hockaday  
 Witnessed By: K. Grandbouche



Did Well Flow — Gas No Oil No Water No

RECOVERY IN PIPE: --  
 -----

MISRUN - Could not reach bottom. Had to fish for tools.  
 -----

REMARKS:

Operator American Gasar Petroleum Co. Well Name and No. Boyer #34-1  
 Address See Distribution Ticket No. 5563 Date 3-19-77  
 No. Final Copies 19

# LYNES, INC.

## Distribution of Final Reports

Operator American Quasar Petroleum Co. Lease Boyer #34-1 Well No. 34-1

Original: American Quasar Petr. Co., Attn: C. Gregg, 707 United Bank Tower, Denver,  
Colorado, 80290.

1 copy: American Quasar Petr. Co., Attn: J. Sindelar, 330 Pacific Western Life Bldg.,  
Casper, Wyoming, 82601.

3 copies: American Quasar Petr. Co., Attn: B. Bogert, 2500 Fort Worth Nat'l Bank Bldg.,  
Fort Worth, Texas, 76102.

1 copy: American Quasar Petr. Co., Attn: H. Ware, 1000 Midland Bank Tower, Midland,  
Texas, 79701.

2 copies: Amoco Production Co., Attn: Division Engineering Manager, Security Life Bldg.,  
Denver, Colorado, 80202.

1 copy: Amoco Production Co., Attn: Box 1400, Riverton, Wyoming, 82501.

2 copies: Sun Oil Co., Attn: J.M. Delong, Box 2039, Tulsa, Oklahoma, 74102.

1 copy: Occidental Petr. Co., Attn: D.W. Chenot, 5000 Stock Dale Highway, Bakersfield,  
California, 93306.

1 copy: Occidental Petr. Co., Attn: D. Conners, 1645 Court Place, #217, Denver,  
Colorado, 80202.

1 copy: Energetics, Inc., Attn: P. Maher, 333 W. Hampden Ave., Suite 1010, Englewood,  
Colorado, 80110.

1 copy: North Central Oil Co., Attn: H. Lester, Box 27491, Houston, Texas, 77027.

2 copies: U.S. Geological Survey, Attn: Geologist in charge, 8426 Federal Bldg., Salt  
Lake City, Utah, 84111.

2 copies: Utah Oil & Gas Commission, 1588 N.W. Temple, Salt Lake City, Utah, 84116.

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

1588 WEST NORTH TEMPLE  
 SALT LAKE CITY, UTAH 84116  
 328-5771

State Lease No. ....  
 Federal Lease No. ....  
 Indian Lease No. ....  
 Fee & Pat. FEE

**REPORT OF OPERATIONS AND WELL STATUS REPORT**

STATE Utah COUNTY Summit FIELD/LEASE Pineview

The following is a correct report of operations and production (including drilling and producing wells) for the month of:  
March, 1977.

Agent's Address 707 United Bank Tower  
1700 Broadway  
Denver, CO 80290  
 Phone No. 303/861-8437

Company American Quasar Petroleum Co  
 Signed A. H. Hurley  
 Title Division Operations Manager

Sec. and % of %	Twp.	Range	Well No.	Days Produced	Barrels of Oil	Gravity	Cu. Ft. of Gas (In thousands)	Gallons of Gasoline Recovered	Barrels of Water (if none, so state)	REMARKS (if drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
Boyer Section 34 SE SW	34 3N	7E	34-1							Drlg @ 10,564' DST #1 9140/9350' (Twin Creek) DST #2 9350/9575' (Twin Creek)
									Gas Sold <u>0</u> Flared/Vented <u>0</u> Used on/off Lease <u>0</u>	

NOTE: There were 0 runs or sales of oil; 0 M. cu. ft. of gas sold;  
0 runs or sales of gasoline during the month.

DRILLING/PRODUCING WELLS: This report must be filed on or before the sixteenth day of the succeeding month following production for each well. Where a well is temporarily shut-in, a negative report must be filed. **THIS REPORT MUST BE FILE**

# LYNES, INC.

## Fluid Sample Report

Date ..... 3-10-77 ..... Ticket No. .... 5561 .....  
Company ..... American Quasar Petr. Co. ....  
Well Name & No. .... Boyer #34-1 ..... DST No. .... 1 .....  
County ..... Summit ..... State ..... Utah .....  
Sampler No. .... -- ..... Test Interval ..... 9140-9350' .....

Pressure in Sampler ..... 0 ..... PSIG ..... BHT ..... 166 ..... OF

Total Volume of Sampler: ..... 2100 ..... cc.  
Total Volume of Sample: ..... 600 ..... cc.  
Oil: ..... None ..... cc.  
Water: ..... None ..... cc.  
Mud: ..... 600-R.W. 0.15 @ 60°F = 55,000 ppm. chl. .... cc.  
Gas: ..... None ..... cu. ft.  
Other: ..... None .....

### Resistivity

Water: ..... @ ..... of Chloride Content ..... ppm.  
Mud Pit Sample ..... 0.2 ..... @ ..... 64°F ..... of Chloride Content ..... 38,000 ..... ppm.  
Gas/Oil Ratio ..... Gravity ..... °API @ ..... OF

Where was sample drained ..... On Location .....

Remarks: .....  
.....  
.....  
.....  
.....  
.....

# LYNES, INC.

## Distribution of Final Reports

Operator American Quasar Petroleum Co. Lease Boyer #34-1 Well No. 34-1

Original: American Quasar Petr. Co., Attn: C. Gregg, 707 United Bank Tower, Denver,  
Colorado, 80290.

1 copy: American Quasar Petr. Co., Attn: J. Sindelar, 330 Pacific Western Life Bldg.,  
Casper, Wyoming, 82601.

3 copies: American Quasar Petr. Co., Attn: B. Bogert, 2500 Fort Worth Nat'l Bank Bldg.,  
Fort Worth, Texas, 76102.

1 copy: American Quasar Petr. Co., Attn: H. Ware, 1000 Midland Bank Tower, Midland,  
Texas, 79701.

2 copies: Amoco Production Co., Attn: Division Engineering Manager, Security Life Bldg.,  
Denver, Colorado, 80202.

1 copy: Amoco Production Co., Attn: Box 1400, Riverton, Wyoming, 82501.

2 copies: Sun Oil Co., Attn: J.M. Delong, Box 2039, Tulsa, Oklahoma, 74102.

1 copy: Occidental Petr. Co., Attn: D.W. Chenot, 5000 Stock Dale Highway, Bakersfield,  
California, 93306.

1 copy: Occidental Petr. Co., Attn: D. Conners, 1645 Court Place, #217, Denver,  
Colorado, 80202.

1 copy: Energetics, Inc., Attn: P. Maher, 333 W. Hampden Ave., Suite 1010, Englewood,  
Colorado, 80110.

1 copy: North Central Oil Co., Attn: H. Lester, Box 27491, Houston, Texas, 77027.

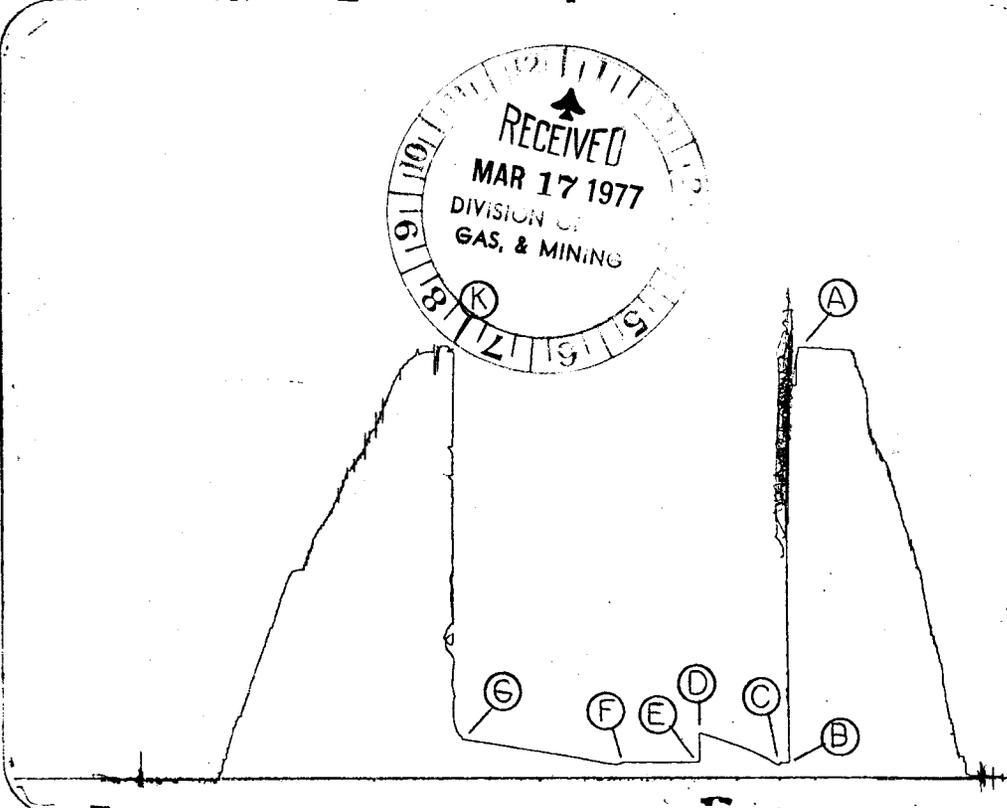
2 copies: U.S. Geological Survey, Attn: Geologist in charge, 8426 Federal Bldg., Salt  
Lake City, Utah, 84111.

2 copies: Utah Oil & Gas Commission, 1588 N.W. Temple, Salt Lake City, Utah, 84116.

Contractor True Drlg. Co. Top Choke 1"  
 Rig No. 14 Bottom Choke 9/16"  
 Spot SE-SW Size Hole 8 3/4"  
 Sec. 34 Size Rat Hole --  
 Twp. 3 N Size & Wt. D. P. 4 1/2" 16.60  
 Rng. 7 E Size Wt. Pipe --  
 Field Pineview I. D. of D. C. 2 3/8"  
 County Summit Length of D. C. 282'  
 State Utah Total Depth 9350'  
 Elevation 6757' "K.B." Interval Tested 9140-9350'  
 Formation Twin Creek Type of Test Bottom Hole  
Conventional

Flow No. 1 10 Min.  
 Shut-in No. 1 60 Min.  
 Flow No. 2 60 Min.  
 Shut-in No. 2 120 Min.  
 Flow No. 3 -- Min.  
 Shut-in No. 3 -- Min.  
 Bottom Hole Temp. 166°F  
 Mud Weight 9.2  
 Gravity --  
 Viscosity --

Tool opened @ 9:15 AM.



**Inside Recorder**  
 PRD Make Kuster AK-1  
 No. 973 Cap. 7900 @ 9126'

	Press	Corrected
Initial Hydrostatic	A	4374
Final Hydrostatic	K	4342
Initial Flow	B	144
Final Initial Flow	C	142
Initial Shut-in	D	448
Second Initial Flow	E	156
Second Final Flow	F	157
Second Shut-in	G	398
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--

Lynes Dist. Rock Springs, WY.  
 Our Tester: R. Christensen  
 Witnessed By: Max Simms

Did Well Flow - Gas No Oil No Water No

RECOVERY IN PIPE: 205' Drilling mud = 1.13 bbl.  
 Top Sample: R.W. 0.1 @ 85°F = 62,000 ppm. chl.  
 Middle " : R.W. 0.1 @ 85°F = 62,000 ppm. chl.  
 Bottom " : R.W. 0.1 @ 74°F = 72,000 ppm. chl.

REMARKS: 1st Flow- Tool opened with 2" underwater blow and remained thru flow period.  
 2nd Flow- Tool opened with no blow and remained thru flow period.

Breakdown of shut-in pressures not practical for Horner Extrapolations.

Operator American Quasar Petroleum Co. Well Name and No. Boyer #34-1  
 Address See Distribution Ticket No. 5561 Date 3-10-77  
 DST No. 1 No. Final Copies 19

Contractor True Drlg. Co.  
 Rig No. 14  
 Spot SE-SW  
 Sec. 34  
 Twp. 3 N  
 Rng. 7 E  
 Field Pineview  
 County Summit  
 State Utah  
 Elevation 6757' "K.B."  
 Formation Twin Creek

Top Choke 1"  
 Bottom Choke 9/16"  
 Size Hole 8 3/4"  
 Size Rat Hole --  
 Size & Wt. D. P. 4 1/2" 16.60  
 Size Wt. Pipe --  
 I. D. of D. C. 2 1/2"  
 Length of D. C. 314'  
 Total Depth 9575'  
 Interval Tested 9350-9575'  
 Type of Test Bottom Hole Conventional

Flow No. 1 10 Min.  
 Shut-in No. 1 60 Min.  
 Flow No. 2 60 Min.  
 Shut-in No. 2 120 Min.  
 Flow No. 3 -- Min.  
 Shut-in No. 3 -- Min.  
 Bottom Hole Temp. --  
 Mud Weight 9.3  
 Gravity --  
 Viscosity 50

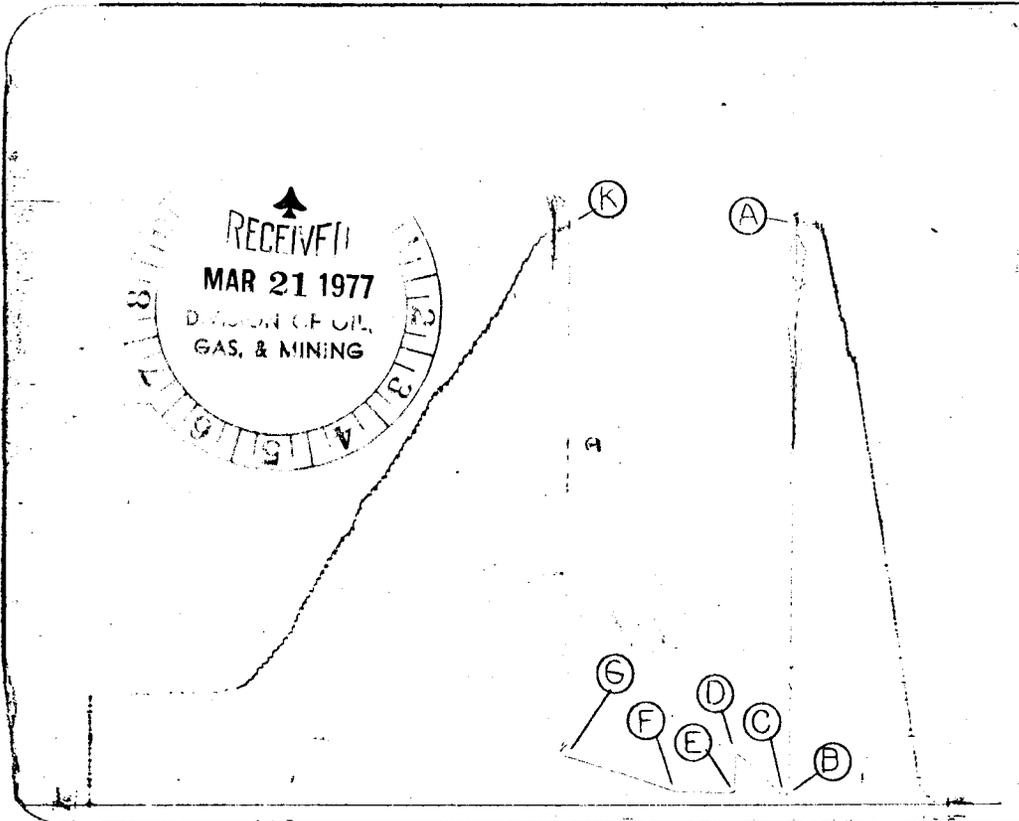
Tool opened @ 4:23 AM.

**Inside Recorder**

PRD Make Kuster AK-1  
 No. 5563 Cap. 6100 @ 9359'

	Press	Corrected
Initial Hydrostatic	A	4579
Final Hydrostatic	K	4560
Initial Flow	B	77
Final Initial Flow	C	71
Initial Shut-in	D	388
Second Initial Flow	E	86
Second Final Flow	F	92
Second Shut-in	G	372
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--

Lynes Dist.: Rock Springs, WY.  
 Our Tester: John Bibb  
 Witnessed By: K. Grandbouche



Did Well Flow - Gas No Oil No Water No

RECOVERY IN PIPE: 110' Drilling mud = 0.67 bbl.  
 Top Sample: R.W. 0.14 @ 58°F = 60,000 ppm. chl.  
 Middle " : R.W. 0.13 @ 58°F = 65,000 ppm. chl.  
 Bottom " : R.W. 0.13 @ 58°F = 65,000 ppm. chl.

REMARKS: 1st Flow- Tool opened with light 1" underwater blow and remained thru flow period.  
 2nd Flow- Tool opened with very weak blow, died after 15 minutes and remained thru flow period.

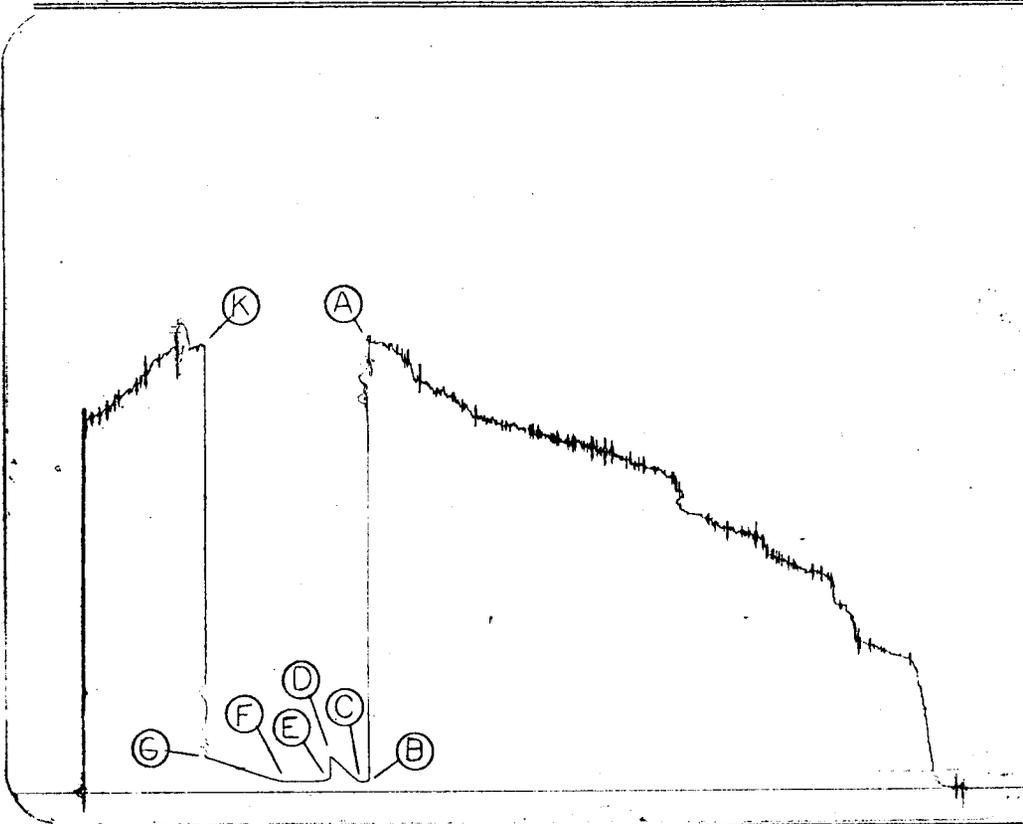
-----  
 Breakdown of shut-in pressures not practical for Horner Extrapolations.  
 -----

Operator American Quasar Petroleum Co. Well Name and No. Boyer #34-1  
 Address See Distribution Ticket No. 2273 Date 3-15-77 No. Final Copies 19 DST No. 2

# LYNES, INC.

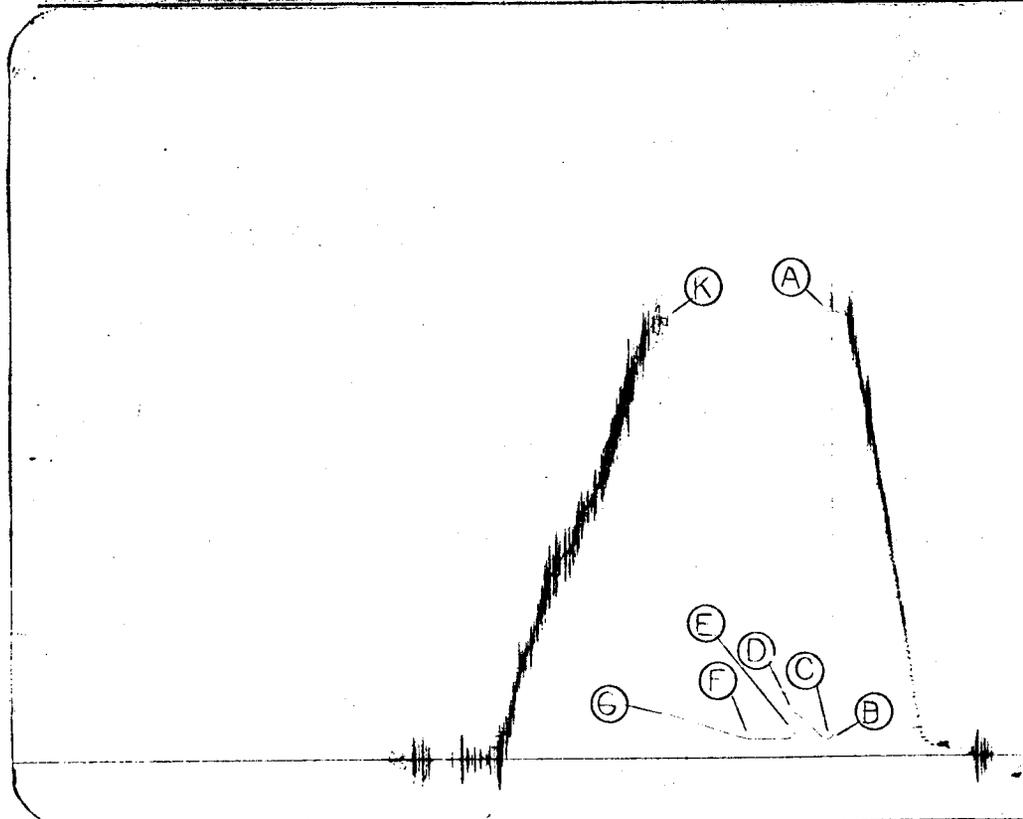
Operator American Quasar Petroleum Co. Lease & No. Boyer #34-1

DST No. 2



**Inside Recorder**  
PRD Make Kuster AK-1  
No. 973 Cap. 7900 @ 9364'

	Press	Corrected
Initial Hydrostatic	A	4592
Final Hydrostatic	K	4564
Initial Flow	B	131
Final Initial Flow	C	118
Initial Shut-in	D	380
Second Initial Flow	E	147
Second Final Flow	F	153
Second Shut-in	G	370
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--
Pressure Below Bottom Packer Bled To		



**Outside Recorder**  
PRD Make Kuster AK-1  
No. 1478 Cap. 8100 @ 9570'

	Press	Corrected
Initial Hydrostatic	A	4607
Final Hydrostatic	K	4447
Initial Flow	B	123
Final Initial Flow	C	103
Initial Shut-in	D	387
Second Initial Flow	E	115
Second Final Flow	F	119
Second Shut-in	G	374
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--
Pressure Below Bottom Packer Bled To		

# LYNES, INC.

## Fluid Sample Report

Date ..... 3-15-77 ..... Ticket No. .... 2273 .....  
Company ..... American Quasar Petroleum Co. ....  
Well Name & No. .... Boyer #34-1 ..... DST No. .... 2 .....  
County ..... Summit ..... State ..... Utah .....  
Sampler No. .... 1 ..... Test Interval ..... 9350-9575' .....  
Pressure in Sampler ..... 25 ..... PSIG ..... BHT ..... -- ..... OF

Total Volume of Sampler: ..... 2100 ..... cc.  
Total Volume of Sample: ..... 1500 ..... cc.  
Oil: ..... None ..... cc.  
Water: ..... None ..... cc.  
Mud: ..... 1500-R.W. 0.14 @ 58°F = 60,000 ppm. chl. .... cc.  
Gas: ..... None ..... cu. ft.  
Other: ..... None .....

### Resistivity

Water: ..... @ ..... of Chloride Content ..... ppm.  
Mud Pit Sample 0.34 @ 50°F ..... of Chloride Content ..... 2500 ..... ppm.  
Gas/Oil Ratio ..... Gravity ..... °API @ ..... OF  
Where was sample drained ..... On Location .....

Remarks: ..... Rig Water: R.W. 10.0 @ 64°F = 650 ppm. chl. ....  
.....  
.....  
.....  
.....

# LYNES, INC.

## Distribution of Final Reports

Operator American Quasar Petroleum Co. Lease Boyer #34-1 Well No. 34-1

Original: American Quasar Petr. Co., Attn: C. Gregg, 707 United Bank Tower, Denver,  
Colorado, 80290.

1 copy: American Quasar Petr. Co., Attn: J. Sindelar, 330 Pacific Western Life Bldg.,  
Casper, Wyoming, 82601.

3 copies: American Quasar Petr. Co., Attn: B. Bogert, 2500 Fort Worth Nat'l Bank Bldg.,  
Fort Worth, Texas, 76102.

1 copy: American Quasar Petr. Co., Attn: H. Ware, 1000 Midland Bank Tower, Midland,  
Texas, 79701.

2 copies: Amoco Production Co., Attn: Division Engineering Manager, Security Life Bldg.,  
Denver, Colorado, 80202.

1 copy: Amoco Production Co., Attn: Box 1400, Riverton, Wyoming, 82501.

2 copies: Sun Oil Co., Attn: J.M. Delong, Box 2039, Tulsa, Oklahoma, 74102.

1 copy: Occidental Petr. Co., Attn: D.W. Chenot, 5000 Stock Dale Highway, Bakersfield,  
California, 93306.

1 copy: Occidental Petr. Co., Attn: D. Conners, 1645 Court Place, #217, Denver,  
Colorado, 80202.

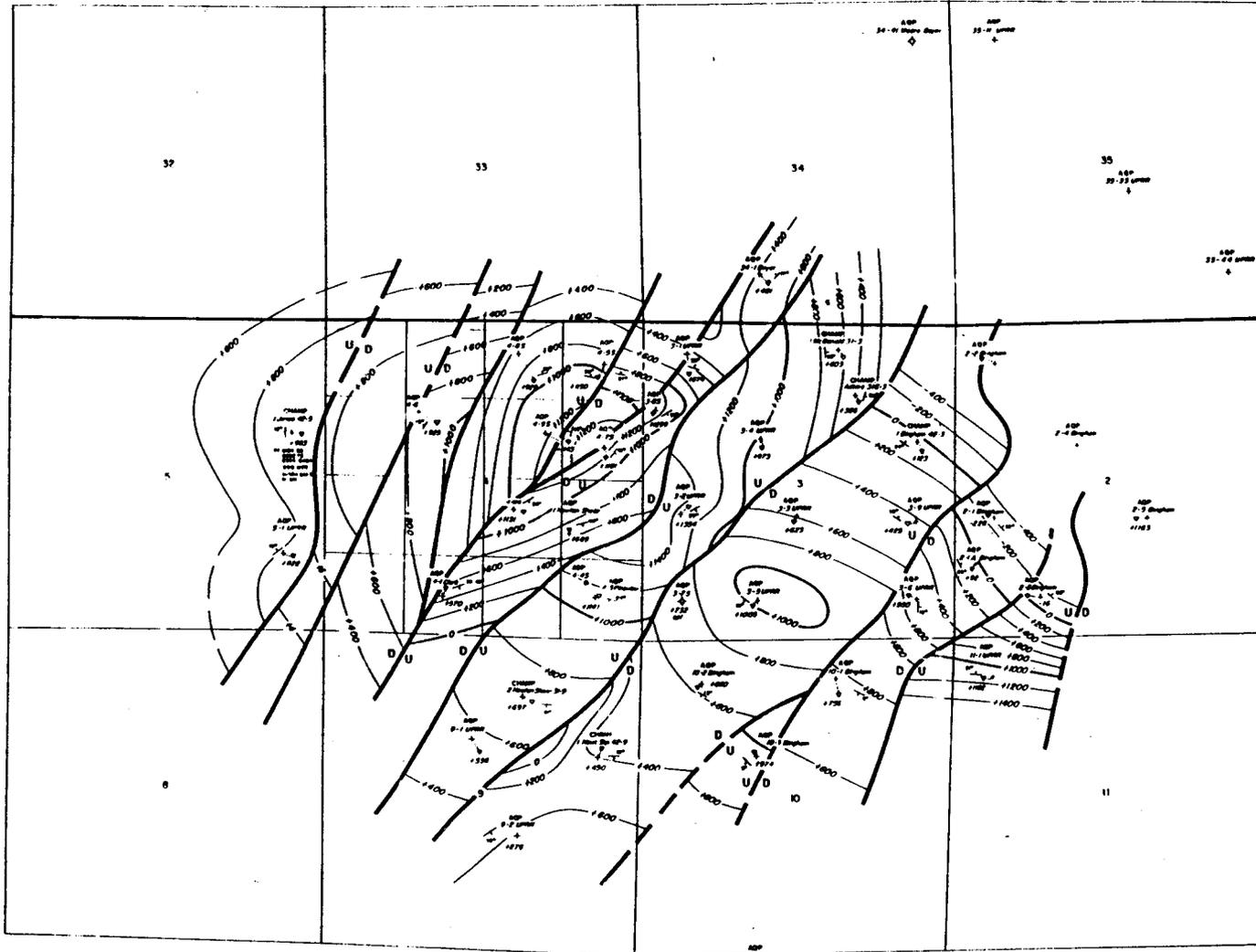
1 copy: Energetics, Inc., Attn: P. Maher, 333 W. Hampden Ave., Suite 1010, Englewood,  
Colorado, 80110.

1 copy: North Central Oil Co., Attn: H. Lester, Box 27491, Houston, Texas, 77027.

2 copies: U.S. Geological Survey, Attn: Geologist in charge, 8426 Federal Bldg., Salt  
Lake City, Utah, 84111.

2 copies: Utah Oil & Gas Commission, 1588 N.W. Temple, Salt Lake City, Utah, 84116.

R 7 E



WELL SYMBOLS

- + SURFACE LOCATION
- ● KELVIN LOC. (PROD.)
- ◆ STUMP TOP (PRODUCTION)

STUMP  
PRODUCTION DATA

1-10-80 Stump Part 1508 to 1543 IPF 1568 80, 702 MCFD, 4.88WPD
2-3-80 Part 4700 to 4853 IPF 338 80, 118MCFD
4-3-80 Part 5691-5950, 6005-6078 IPF 397 80, 276 MCFD
4-7-80 Part 1812 to 1582 IPF 324 80, 205 MCFD
4-8-80 Part 5970-64, 8035-14, 8040-54 IPF 624 80, 350 MCFD
4-9-80 Part 5470-6146 Gross IPF 648 80, 502 MCFD



AMERICAN QUASAR PETROLEUM CO. OF NEW MEXICO

**PINEVIEW FIELD**

SUMMIT COUNTY, UTAH

STRUCTURE: TOP STUMP FORMATION

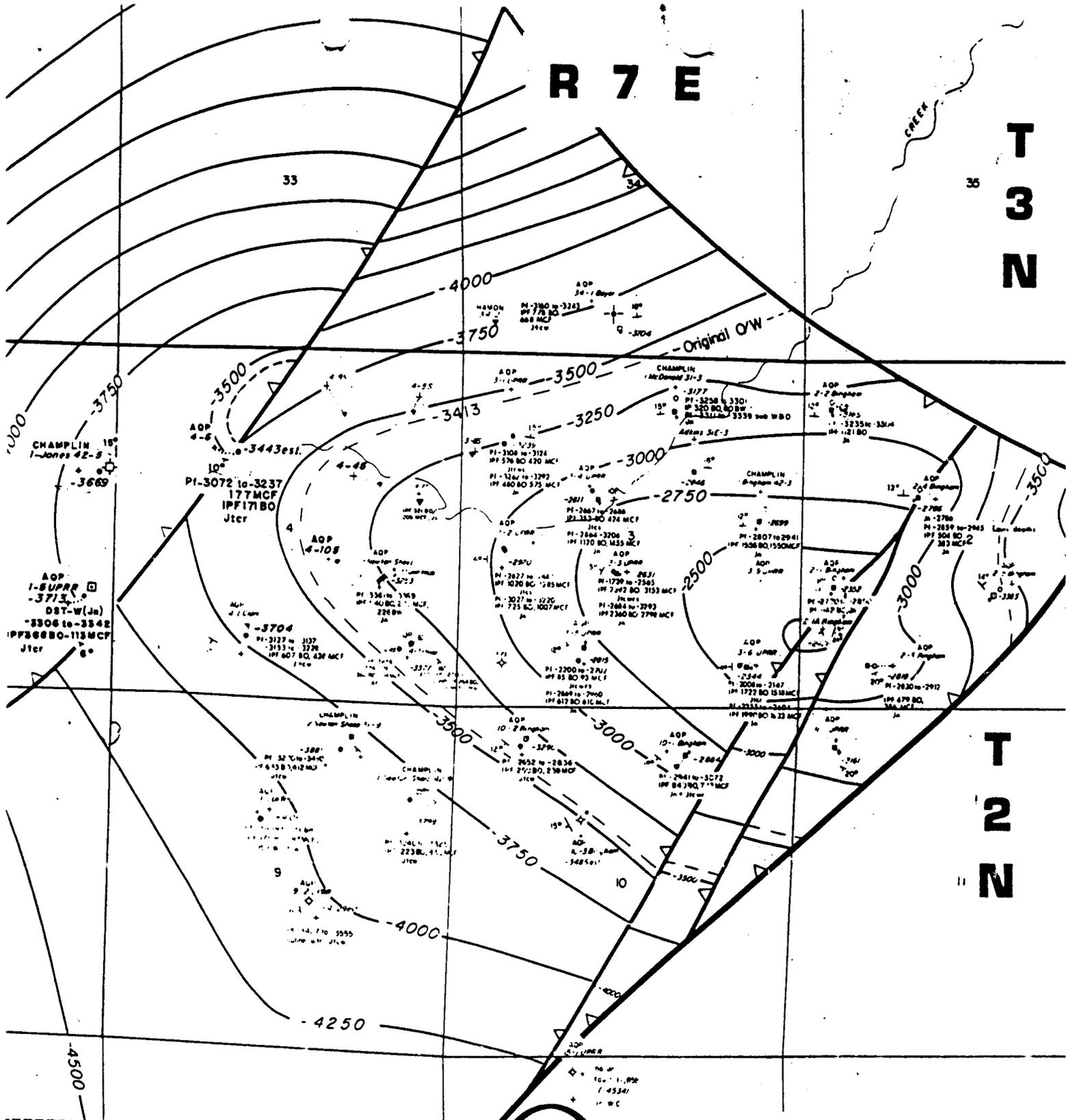
CONTOUR INTERVAL: 200'

DATE	BY	CHKD	APP'D	DATE
1-30-80			DM	7-17-82

R 7 E

T 3 N

T 2 N



AMERICAN QUASAR PETROLEUM CO. OF NEW MEXICO  
 707 United Bank Building 1700 Broadway, Denver, Colorado 80202 Phone 303 661-2327

**PINEVIEW AREA**  
 SUMMIT COUNTY, UTAH  
 STRUCTURE CONTOUR MAP

ON NUGGET FORMATION  
 C.I.: 250'

DATE	11-1-83	SCALE	1" = 2,000'
DESIGNED BY	T.R. BLAZARD	DRAWN BY	DM
CHECKED BY		DATE	9-13-83

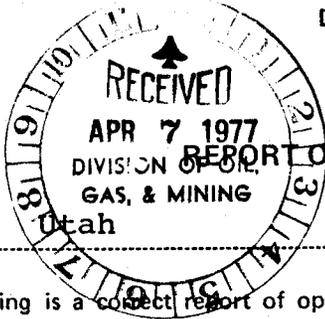
9

Form DOGC-4

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

State Lease No. ....  
Federal Lease No. ....  
Indian Lease No. ....  
Fee & Pat. FEE

1588 WEST NORTH TEMPLE  
SALT LAKE CITY, UTAH 84116  
328-5771



REPORT OF OPERATIONS AND WELL STATUS REPORT

STATE Utah COUNTY Summit FIELD/LEASE Pineview

The following is a correct report of operations and production (including drilling and producing wells) for the month of:  
February, 19 77.

Agent's Address 707 United Bank Tower  
1700 Broadway  
Denver, CO 80290  
Phone No. 303/861-8437

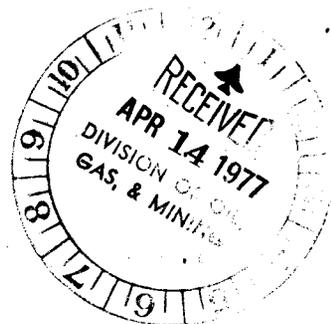
Company American Quasar Petroleum Co  
Signed A. H. Hurley  
Title Division Operations Manager

Sec. and % of %	Twp.	Range	Well No.	Days Produced	Barrels of Oil	Gravity	Cu. Ft. of Gas (In thousands)	Gallons of Gasoline Recovered	Barrels of Water (if none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
Boyer Section 34 SE SW	3N	7E	34-1							Dr1g @ 8566'
										Gas Sold <u>0</u> Flared/Vented <u>0</u> Used on/off Lease <u>0</u>

NOTE: There were 0 runs or sales of oil; 0 M. cu. ft. of gas sold;  
0 runs or sales of gasoline during the month.

DRILLING/PRODUCING WELLS: This report must be filed on or before the sixteenth day of the succeeding month following production for each well. Where a well is temporarily shut-in, a negative report must be filed. **THIS REPORT MUST BE FILED IN DUPLICATE.**

K



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

P

Well Name and Number Boyer 314-1

Operator American Quasox Petroleum Co.

Address 330 Pacific Western Life Bldg., Casper Wyo.

Contractor True Drilling Co.

Address Casper, Wyo.

Location SE 1/4, SW 1/4, Sec. 314; T. 2 N; R. 7 E; Summit County

Water Sands:

	<u>Depth:</u>	<u>Volume:</u>	<u>Quality:</u>
	From- To-	Flow Rate or Head-	Fresh or salty-
1.	<u>None</u>		
2.			
3.			
4.			
5.			

(continue on reverse side if necessary)

Formation Tops: Wasatch ~~Surface~~ Surface Salt 8810-9006  
Kelvin 2390 TwinCreek 9158  
Stamp 5834 Gypsum Springs 10160  
Preuss 6928 Nugget 10506

- 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.

PI P 14

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

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

2. NAME OF OPERATOR  
American Quasar Petroleum Co. of New Mexico

3. ADDRESS OF OPERATOR  
707 United Bank Tower, 1700 Broadway, Denver, CO 80290

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 1980' FWL & 859' FSL (SE SW)  
At top prod. interval reported below 2358' FWL & 645' FSL  
At total depth 2448' FWL & 390' FSL

14. PERMIT NO. 43-043-30034 DATE ISSUED 12-29-76

5. LEASE DESIGNATION AND SERIAL NO.  
Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Boyer

9. WELL NO.  
34-1

10. FIELD AND POOL, OR WILDCAT  
Pineview

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
Sec. 34-3N-7E

12. COUNTY OR PARISH  
Summit 13. STATE  
Utah

15. DATE SPUNDED 1-2-77 16. DATE T.D. REACHED 4-5-77 17. DATE COMPL. (Ready to prod.) 4-30-77 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 6745' GR 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 10,850' 21. PLUG, BACK T.D., MD & TVD 10,826' 22. IF MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY → 24. ROTARY TOOLS 0-TD 25. CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* 9,950'/10,035' Twin Creek 25. WAS DIRECTIONAL SURVEY MADE Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN Proximity Microlog, CNFD Log, Dual Induction Laterolog, BHC & Dipmeter, GR-CBL-CCL Log 27. WAS WELL CORED No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	48#	40	17 1/2"	6 1/2 yds. Ready Mix	
9 5/8"	36#	1515	12 1/4"	850 sx	
7"	26#, 23#	10826	8 3/4"	700 sx	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8"	9723	9723

31. PERFORATION RECORD (Interval, size and number)

(Twin Creek) 10384/10404' w/4" csg. gun 2 spf  
(Twin Creek) 9950/10035' w/2" tbg. gun 1 spf

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
10384/10404	200 sx Class G
9950/10035	28% HCl, 3 stages, ball sealers w/ radioactive sd tracer, flushed w/ 58 bbls. 2% KCl wtr.

33.\* PRODUCTION

DATE FIRST PRODUCTION 4-30-77 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing WELL STATUS (Producing or shut-in) Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
4-30-77	24	24/64"	→	778	668	0	859
FLOW. TUBING PRSS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
580 psi	0	→	778	668	0	47.4	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sale - Mountain Fuel Supply TEST WITNESSED BY Delmar Chapman

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  
SIGNED [Signature] TITLE Division Operations Manager DATE 5-5-77

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

# INSTRUCTIONS

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

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

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

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

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

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES		38. GEOLOGIC MARKERS				
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH
DST #1 Twin Creek	9140	9350	TO 10" sli blow thruout; SI 60"; TO 60" no blow; SI 120"; rec. 205' mud; IHP-4402; IFFP-20/20; ISIP-493; FHP-4402; FFP-20/20; FSIP-493	Knight Echo Conglom. Kelvin Stump Pruess Pruess Salt Base Pruess Salt Twin Creek Gypsum Springs Nugget	surf. 1313 2056 6610 7000 8840 9030 9160 10460 10504	
DST #2 Twin Creek	9350	9575	w/no wc; TO 10" w/wk blow thruout; SI 60"; TO 60" w/very wk blow, dead in 15"; SI 120"; rec. 110' mud; IHP-4595; IFFP-92/92; ISIP-400; FHP-4582; FFP-92/92; FSIP-369			

5-12-77

Pat:

Delmar Chapman w/ Amer. Quasar

Re: Boyer 34-1

gave following information:

Flow tested for 11 days at 6,827 BBLs oil.

Flared 5,939,490 Cu. Ft. gas.

Well shut in at 1:30 pm on the 5<sup>th</sup> & 10<sup>th</sup>  
for bottom hole pressure build up

621 30PD  
540 mcf gas

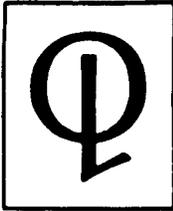


KW

$$\begin{array}{r}
 621 \times 12.10 = 7,514.10 \\
 540 \times 1.46 = 789.40 \\
 \hline
 8,303.50 \\
 \times 6.125 =
 \end{array}$$

1037.81  
Per day





# AMERICAN QUASAR PETROLEUM CO. OF NEW MEXICO

707 UNITED BANK TOWER, 1700 BROADWAY, DENVER, COLORADO 80290, U.S.A.  
TELEPHONE (303) 861-8437

January 16, 1978

Mr. Patrick L. Driscoll  
Chief Petroleum Engineer  
State of Utah  
Dept. of Natural Resources  
1588 W. North Temple  
Salt Lake City, Utah 84116



RE: Boyer 34.1  
Pineview Field

Dear Pat:

This is in reply to your letter of December 13 concerning workover of the captioned well. I didn't forget our discussion.

We moved a completion rig onto the well November 19, 1977 and I didn't feel any contact with the lessor was then necessary. Incidentally, the rig is still there. We were unable to eliminate the water production from the existing Twin Creek perforations or to find any higher production that would flow. We are now preparing to recomplete from Twin Creek perforations 9850-58; 9862-84; 9950' - 10035' and install pumping equipment. Cost of this workover to date has been over \$200,000.

Very truly yours,

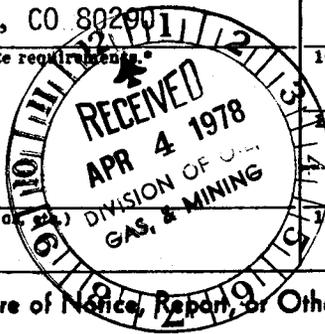
A. H. Hurley, Jr.

AHH:k

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

SUBMIT ~~TRIPPLICATE\*~~  
(Other instructions on reverse side)

<p align="center"><b>SUNDRY NOTICES AND REPORTS ON WELLS</b></p> <p align="center">(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>		5. LEASE DESIGNATION AND SERIAL NO. Fee
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. UNIT AGREEMENT NAME	
2. NAME OF OPERATOR American Quasar Petroleum Co. of New Mexico	8. FARM OR LEASE NAME Boyer	
3. ADDRESS OF OPERATOR 707 United Bank Tower, 1700 Broadway, Denver, CO 80202	9. WELL NO. 34-1	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1980' FWL & 859' FSL (SE SW)	10. FIELD AND POOL, OR WILDCAT Pineview	
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, or ...) 6740'	11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA Sec. 34-3N-7E SLM
		12. COUNTY OR PARISH Summit
		18. STATE Utah



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

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

Pfd 10080-85' w/2 spf. Block sqzd pfs w/96 sx Class G cmt.  
Set CIBP @ 9925'; dmpd 2 sx cmt on plug PDTD: 9915'  
Pfd 9876-84' w/2 spf  
9862-76, 9850-58 w/ 2 spf  
Acdzd above pfs w/3000 gals 15% HCl w/radioactive tracer in 1st 1500 gals, 80 balls in last 1500 gals.  
Set CIBP @ 9600'.  
Pfd 9554-59' w/2 spf  
Acdzd above pfs w/1000 gals 15% HCl; sqzd w/500 sc Dlass G w/0.4% HR-4.  
Drld out to 9915'.  
Set CIBP @ 9825'.  
Pfd 9586-601', 9660-720' w/2 spf  
Acdzd above pfs w/15,000 gals 15% HCl & 125 ball sealers  
Sqzd above pfs w/300 sx Class G  
Drld out plugs to 10,041'.  
Ran tbq & anchor; released rig 1-31-78.

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

SIGNED [Signature] TITLE Division Production Superintendent DATE 3-30-78

(This space for Federal or State office use)

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

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

**SUNDRY NOTICES AND REPORTS ON WELLS**  
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
American Quasar Petroleum Co. of New Mexico

3. ADDRESS OF OPERATOR  
707 United Bank Tower, 1700 Broadway, Denver, CO 80290

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\* See also space 17 below.)  
At surface  
  
1980' FWL & 859' FSL (SE SW)

14. PERMIT NO. \_\_\_\_\_ 15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
6740'

5. LEASE DESIGNATION AND SERIAL NO.  
FEE

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Boyer

9. WELL NO.  
34-1

10. FIELD AND POOL, OR WILDCAT  
Pineview

11. SEC., T., R., M., OR BLE. AND SUBVY OR AREA  
Sec. 34-3N-7E SLM

12. COUNTY OR PARISH 13. STATE  
Summit Utah

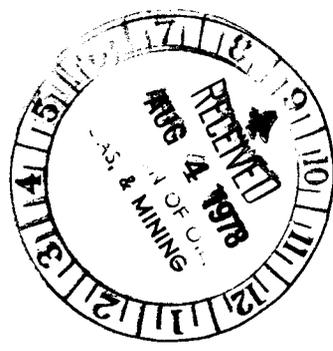
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

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

MIR 5-17-78  
Pulled rods and pump  
Disassembled  
MO pmpg unit  
Operations suspended 5-18-78

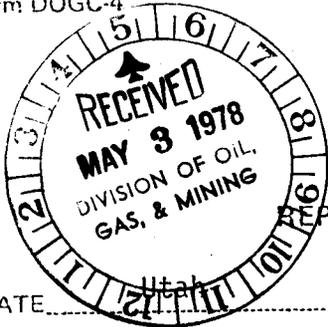


18. I hereby certify that the foregoing is true and correct

SIGNED RF Kerwin TITLE Division Production Superintendent DATE 7-31-78

(This space for Federal or State office use)

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



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

1588 WEST NORTH TEMPLE  
 SALT LAKE CITY, UTAH 84116  
 328-5771

State Lease No. \_\_\_\_\_  
 Federal Lease No. \_\_\_\_\_  
 Indian Lease No. \_\_\_\_\_  
 Fee & Pat. FEE

**REPORT OF OPERATIONS AND WELL STATUS REPORT**

STATE Utah COUNTY Summit FIELD/LEASE Pineview

The following is a correct report of operations and production (including drilling and producing wells) for the month of:  
March, 1978.

Agent's Address 707 United Bank Tower  
1700 Broadway  
Denver, CO 80290  
 Phone No. 303/861-8437

Company American Quasay Petroleum Co.  
 Signed [Signature]  
 Title A. H. Hurley  
Division Operations Manager

Sec. and 1/4 of 1/4	Twp.	Range	Well No.	Days Produced	Barrels of Oil	Gravity	Cu. Ft. of Gas (in thousands)	Gallons of Gasoline Recovered	Barrels of Water (if none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
<u>BOYER</u>  Section 34 SE SW	<u>3N</u>	<u>7E</u>	<u>34-1</u>	<u>0</u>	<u>0</u>	<u>45.6</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>SI prep to put well on pump</u>

Gas Sold \_\_\_\_\_  
 Flared/Vented \_\_\_\_\_  
 Used on/off Lease \_\_\_\_\_

NOTE: There were \_\_\_\_\_ runs or sales of oil; \_\_\_\_\_ M. cu. ft. of gas sold;  
 \_\_\_\_\_ runs or sales of gasoline during the month.

**DRILLING/PRODUCING WELLS:** This report must be filed on or before the sixteenth day of the succeeding month following production for each well. Where a well is temporarily shut-in, a negative report must be filed. **THIS REPORT MUST BE FILED IN DUPLICATE.**

# CHEMICAL & GEOLOGICAL LABORATORIES

P. O. Box 2794  
Casper, Wyoming

## WATER ANALYSIS REPORT

OPERATOR American Quasar Petroleum Co. DATE September 29, 1978 LAB NO. 28805-3  
 WELL NO. UPRR 3-4 LOCATION \_\_\_\_\_  
 FIELD Pineview FORMATION Nugget  
 COUNTY Summit INTERVAL \_\_\_\_\_  
 STATE Utah SAMPLE FROM Treater {9-14-78}

REMARKS & CONCLUSIONS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Cations			Anions		
	mg/l	meq/l		mg/l	meq/l
Sodium	7740	336.71	Sulfate	1850	38.48
Potassium	465	11.90	Chloride	12100	341.22
Lithium	-	-	Carbonate	-	-
Calcium	690	34.43	Bicarbonate	610	10.00
Magnesium	81	6.66	Hydroxide	-	-
Iron	-	-	Hydrogen sulfide	-	-
<b>Total Cations</b>		<b>389.70</b>	<b>Total Anions</b>		<b>389.70</b>

Total dissolved solids, mg/l 23226  
 NaCl equivalent, mg/l 22212  
 Observed pH 7.2

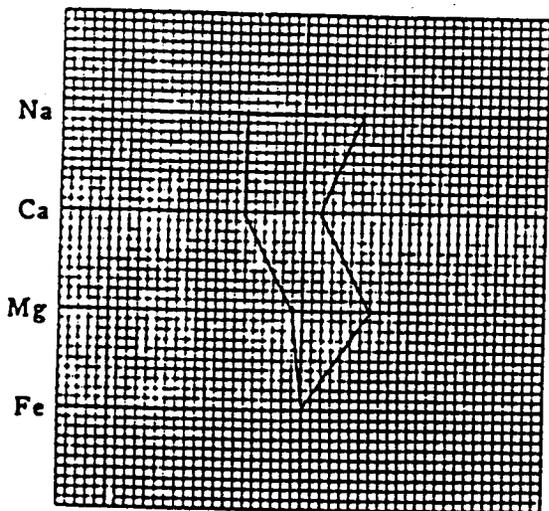
Specific resistance @ 68°F.:  
 Observed 0.33 ohm-meters  
 Calculated 0.30 ohm-meters

**RECEIVED**  
**OCT - 3 1978**  
 CASPER, WYOMING

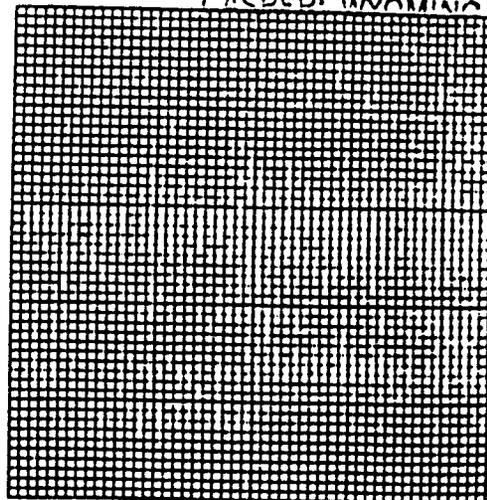
### WATER ANALYSIS PATTERN

Sample above described

Scale  
MEQ per Unit



Cl 50  
 HCO<sub>3</sub> 5  
 SO<sub>4</sub> 5  
 CO<sub>3</sub> 5



Cl  
 HCO<sub>3</sub>  
 SO<sub>4</sub>  
 CO<sub>3</sub>

(Na value in above graphs includes Na, K, and Li)  
 NOTE: Mg/l = Milligrams per liter Meq/l = Milligram equivalents per liter  
 Sodium chloride equivalent = by Dunlap & Hawthorne calculation from components

# CHEMICAL & GEOLOGICAL LABORATORIES

P. O. Box 2794  
Casper, Wyoming

## WATER ANALYSIS REPORT

OPERATOR <u>American Quasar Petroleum Co.</u>	DATE <u>September 29, 1978</u> LAB NO. <u>28805-3</u>
WELL NO. <u>UPRR 3-4</u>	LOCATION _____
FIELD <u>Pineview</u>	FORMATION <u>Nugget</u>
COUNTY <u>Summit</u>	INTERVAL _____
STATE <u>Utah</u>	SAMPLE FROM <u>Treater {9-14-78}</u>

REMARKS & CONCLUSIONS: \_\_\_\_\_

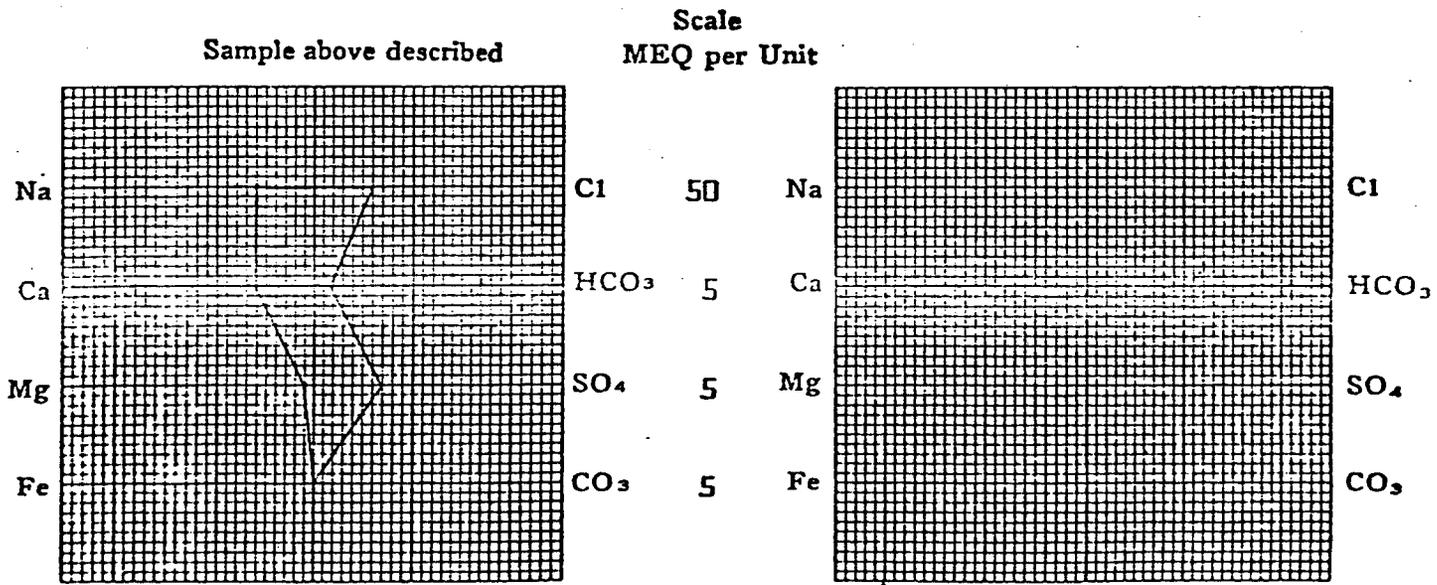
\_\_\_\_\_

\_\_\_\_\_

Cations	mg/l	meq/l	Anions	mg/l	meq/l
Sodium - - - - -	7740	336.71	Sulfate - - - - -	1850	38.48
Potassium - - - - -	465	11.90	Chloride - - - - -	12100	341.22
Lithium - - - - -	-	-	Carbonate - - - - -	-	-
Calcium - - - - -	690	34.43	Bicarbonate - - - - -	610	10.00
Magnesium - - - - -	81	6.66	Hydroxide - - - - -	-	-
Iron - - - - -	-	-	Hydrogen sulfide - - - - -	-	-
Total Cations - - - - -	389.70	389.70	Total Anions - - - - -	389.70	389.70

Total dissolved solids, mg/l - - - - -	23226	Specific resistance @ 68°F.:
NaCl equivalent, mg/l - - - - -	22212	Observed - - - - -
Observed pH - - - - -	7.2	0.33
		ohm-meters
		Calculated - - - - -
		0.30
		ohm-meters

### WATER ANALYSIS PATTERN



(Na value in above graphs includes Na, K, and Li)  
NOTE: Mg/l=Milligrams per liter Meq/l= Milligram equivalents per liter  
Sodium chloride equivalent=by Dunlap & Hawthorne calculation from components

# CHEMICAL & GEOLOGICAL LABORATORIES

P. O. Box 2794  
Casper, Wyoming

*Gregg*  
*Plymouth*  
*Sadler*  
*File*

## WATER ANALYSIS REPORT

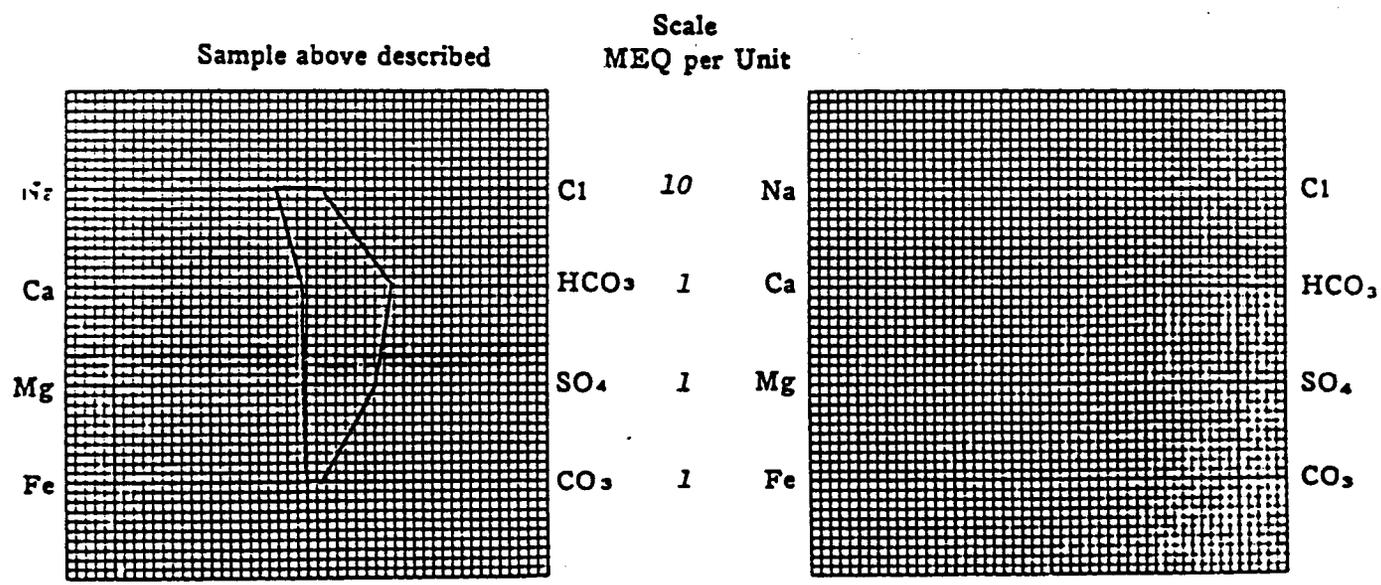
OPERATOR <u>American Quasar Petroleum Co.</u>	DATE <u>January 24, 1979</u> LAB NO. <u>29846-1</u>
WELL NO. <u>3-7S Pineview</u>	LOCATION <u>SW SW 3-2N-7E</u>
FIELD <u>Pineview</u>	FORMATION <u>STUMP</u>
COUNTY <u>Summit</u>	INTERVAL <u>6061-6271</u>
STATE <u>Utah</u>	SAMPLE FROM <u>DST No.1 (Top) 12-6-78</u>

REMARKS & CONCLUSIONS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Cations	mg/l	meq/l	Anions	mg/l	meq/l
Sodium . . . . .	708	30.79	Sulfate . . . . .	337	7.01
Potassium . . . . .	90	2.30	Chloride . . . . .	590	16.64
Lithium . . . . .	-	-	Carbonate . . . . .	48	1.60
Calcium . . . . .	3	0.15	Bicarbonats . . . . .	512	8.40
Magnesium . . . . .	5	0.41	Hydroxide . . . . .	-	-
Iron . . . . .	-	-	Hydrogen sulfide . . . . .	-	-
Total Cations . . . . .			Total Anions . . . . .		
33.65			33.65		

Total dissolved solids, mg/l . . . . .	2033	Specific resistance @ 68°F.:
NaCl equivalent, mg/l . . . . .	1768	Observed . . . . .
Observed pH . . . . .	8.7	3.30
		Calculated . . . . .
		3.37

### WATER ANALYSIS PATTERN



(Na value in above graphs includes Na, K, and Li)  
 NOTE: Mg/l = Milligrams per liter Meq/l = Milligram equivalents per liter  
 Sodium chloride equivalent = by Dunlap & Hawthorne calculation from components

# CHEMICAL & GEOLOGICAL LABORATORIES

P. O. Box 2794  
Casper, Wyoming

## WATER ANALYSIS REPORT

OPERATOR <u>American Quasar Petroleum Co.</u>	DATE <u>July 10, 1979</u>	LAB NO. <u>31327-3</u>
WELL NO. <u>UPRR 3-8S</u>	LOCATION _____	
FIELD _____	FORMATION <u>KELVIN</u>	
COUNTY _____	INTERVAL <u>3090-3197</u>	
STATE _____	SAMPLE FROM <u>DST No. 1 {Sampler}</u>	

REMARKS & CONCLUSIONS: No other information given.

---



---

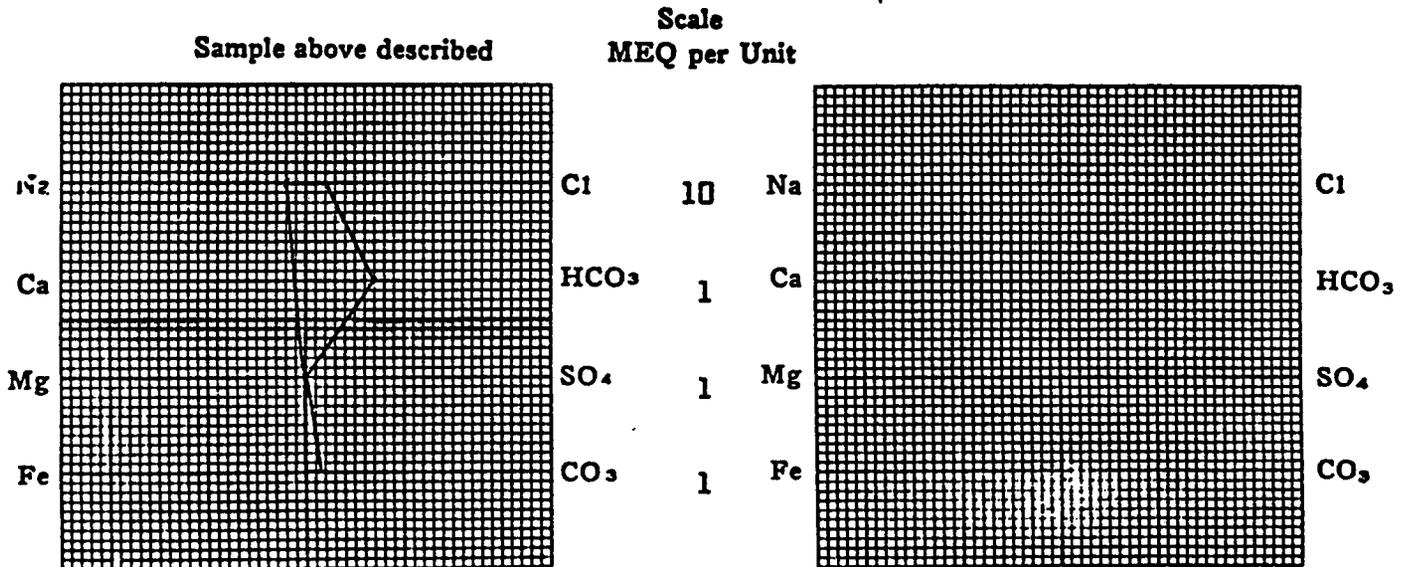


---

<u>Cations</u>	<u>mg/l</u>	<u>meq/l</u>	<u>Anions</u>	<u>mg/l</u>	<u>meq/l</u>
Sodium . . . . .	<u>560</u>	<u>24.38</u>	Sulfate . . . . .	<u>20</u>	<u>0.42</u>
Potassium . . . . .	<u>17</u>	<u>0.44</u>	Chloride . . . . .	<u>610</u>	<u>17.20</u>
Lithium . . . . .	<u>    </u>	<u>    </u>	Carbonate . . . . .	<u>48</u>	<u>1.60</u>
Calcium . . . . .	<u>16</u>	<u>0.80</u>	Bicarbonate . . . . .	<u>415</u>	<u>6.81</u>
Magnesium . . . . .	<u>5</u>	<u>0.41</u>	Hydroxide . . . . .	<u>    </u>	<u>    </u>
Iron . . . . .	<u>    </u>	<u>    </u>	Hydrogen sulfide . . . . .	<u>    </u>	<u>    </u>
Total Cations . . . . .			Total Anions . . . . .		
<u>26.03</u>			<u>26.03</u>		

Total dissolved solids, mg/l . . . . .	<u>1480</u>	Specific resistance @ 68°F.:
NaCl equivalent, mg/l . . . . .	<u>1395</u>	Observed . . . . .
Observed pH . . . . .	<u>8.2</u>	<u>4.10</u> ohm-meters
		Calculated . . . . .
		<u>4.30</u> ohm-meters

### WATER ANALYSIS PATTERN



(Na value in above graphs includes Na, K, and Li)  
NOTE: Mg/l = Milligrams per liter Meq/l = Milligram equivalents per liter  
Sodium chloride equivalent = by Dunlap & Hawthorne calculation from components

BOYER 34-1

<u>DEPTH</u>	<u>DRIFT ANGLE DEGREES</u>	<u>BIT WEIGHT (Thousand Lbs.)</u>	<u>BIT RPM</u>	<u>BOTTOMHOLE ASSEMBLY</u>
75'	0	5	76	May not be slick
109'	1/2			
154'	3/4			
185'	3/8			
210 & 250'	0			
280'	1/8			
300'	1/2			
360'	3/4			
400'	1/2			
494'	1/2			
557'	1/2			
588'	1/4			
620'	1/4			
650'	3/4			
736'	1/2			
778'	3/4			
800'	3/4	8	76	
831'	1/4			
863-895-926'	3/4	8-20	76	
999'	1/2	15-20	76	
1031'	1/2			
1053'	1/4			
1084'	1/4			
1148'	1/2			
1211'	3/4			
12 ?	3/4			
1313'	1/2			
1344'	3/4			
13 ?	3/4			
1430'	1/2	20	76	
1515'	1/2			12-1/4" hole to here
1560'	1	10-20	76	
1620'	3/4			
1680'	1			
1746'	3/4			
1810'	3/4			
1841'	1/2			
1912'	1/4			
1965'	3/8	18	76	
2028'	1/2			
2091'	3/4			
2163'	0			
2216'	1/4	20	76	
2277'	1			
2342'	3/4	20-18	76	
2414'	1	20-16	76	Shows 8-3/4" hole? Ran 9-5/8" casing to 1575'?
2530'	1-1/8	20	68	No data
2593'	1-3/8?			
2697'	1-1/4			
2776'	1-3/4	15	68	

<u>DEPTH</u>	<u>DRIFT ANGLE DEGREES</u>	<u>BIT WEIGHT (Thousand Lbs.)</u>	<u>BIT RPM</u>	<u>BOTTOMHOLE ASSEMBLY</u>
2856'	2	15-18	68	
2908'?	1-3/4	15	68	
2970'	2	15	75	
3034'	1-1/2	15-20	75	
3106'	1-1/2			
3158'	1-1/4	20-24	75	
3223'	1-3/4			
?	1	22-25	75	
3257'	1-1/2			
3412'	1-3/4			
3485'	1-1/2	15-25	78	
3539'?	1-3/4	25	78	
3600'	2			
3675'	2			
3737'	2-1/4	20-15	78	
3788'	2-3/4	18-15	78	
3850'	2-1/2	17	78	
3925'	2-3/4	16-18	78	
3979'	2-1/2	20	84	
4052'	2-1/2			
4110'	2-1/2			
4178'	2-1/2	22	80	
4231'	2-1/2	22	80	
4336'	2-3/4	22	78	
4389'	2-1/2			
4452'	2-1/2			
4525'	3			
4578'	3	20	78	
4651'	2-3/4			
4703'	2-3/4			
4765'	2-1/2	23	78	
4839'	2-3/4	22	78	
4892'	2-1/4?			
4954'	2-3/4	20	78	Laid down Woodpecker DC at 5000'
5040'	2-3/4			
5015'?	2-3/4	22	70	
5155'	2-1/2	22	78	
5220'	3			
5314'	3	20	78	
5375'	2-3/4	24	78	
5470'	3	24-20	78	
5567'	3	20	80	
5625'?	2-1/2	25-22	78-80	
5722'	2-3/4	22	80	
5815'	3	22	80	
5900'	2-1/2			
6026'	2-3/4	15-25	80	
6055'	2-1/2	25	80	
6088'	3			
6117'	2-1/2			
6150'	3			
6213'	3?	25-20	80	

<u>DEPTH</u>	<u>DRIFT ANGLE DEGREES</u>	<u>BIT WEIGHT (Thousand Lbs.)</u>	<u>BIT RPM</u>	<u>BOTTOMHOLE ASSEMBLY</u>
6243'	3	25	80	
6274'	2-1/2			
6307'	2-1/2			
6338'	2-1/2			
6370'?	2-1/2			
?	2-3/4	28	80	
6430'	2-1/2			
6465'	3			
6525'	3			
6560'	3			
6590'?	2-1/2			
6622'	3			
6650'	3			
6665'	3			
6685'	3			
6716'?	3	28	62-80	
6778'	3-1/2			
6809'	3-1/2			
6874'	3-1/2			
6931'	3-1/2	25-22	80	
6967'	2-1/2			
6991'	4			
7033'	3-1/2			
7064'	3			
7094'	3			
7124'	3-1/2	25	80	
7155'	3			
7189'	3	25-28	80	
7221'	2-1/2			
7252'	2-1/2	25-30	80	
7284'	3			
7316'	3	28	80	
7347'	2-1/2			
7379'	2-1/2			
7409'	3			
7500'	3-1/2			
7533'	3-1/2	28-25	80	
7564'	3-1/2			
7589'	3	25	80	
7592'	2-1/2			
7625'	2-1/2	15-28	60-80	
7652'	2-1/2	28	78	
7690'	2-1/2	28-30	78-75	
7721'	2-1/2	30	78	
7730'	3			
7753'	2-1/2	28-25	78-60	
7785'	2-1/2	25-28	60	
7810'	3	28	60	
7843'	3			

<u>DEPTH</u>	<u>DRIFT ANGLE DEGREES</u>	<u>BIT WEIGHT (Thousand Lbs.)</u>	<u>BIT RPM</u>	<u>BOTTOMHOLE ASSEMBLY</u>
7872'?	3			
7906'	3			
7916'	3	22	70-80	
7951'	4-1/2			
8025'	5-1/2	25-20	74	
8058'	5-1/2	20	74	
8088'	5-1/2			
8100'	5-1/2	20-24	74	
8120'	5-1/2			
8153'	5-1/2			
8210'	5-1/2			
8240'	5-1/2	25	74	
8308'	5-1/2			
8340'	5-1/2	25	74	
8345'	6-1/4	15-22	50-60	
8372'	5-1/2	22	60	
8400'	5-1/2			
8430'	7-1/2	22-18	60-70	
8562'	6-3/4	15-20	74	
8576'	6-1/4	20	74	
8585'	6-1/2	10-25	55-74	
8618'?	?			
86 ?	6-1/2			
8684'	6-1/2	35	50	
8714'	6-1/2			
8775'	6-1/2			
8779'	6-1/2			
8808'	6-1/2			
8840'	6-1/2			
8870'	6-1/2	28	50	
8903'	6-1/2			
8937'	6-1/2			
8968'	6-1/2			
9000'	6-1/2			
9030'	6-1/2	28	50	
9124'	6-1/2	35	50	
9155'	6-1/2	25	50	
9165'	5-3/4			
9164'?	5-1/2			
9187'	5-1/2	35	50	
9250'	6-1/2			
9283'	6	28	50	
9312'	6	25	50	
9343'	7			
9375'	9-1/2	24	50	
9407'	9-1/2	22-24	50	
9438'	9	24	50	
9470'	10	24	50	
9505'	12	24	50	

<u>DEPTH</u>	<u>DRIPT ANGLE DEGREES</u>	<u>BIT WEIGHT (Thousand Lbs.)</u>	<u>BIT RPM</u>	<u>BOTTOMHOLE ASSEMBLY</u>
9773'	11-1/4	18	72	
9976'	11-1/2	18	78	
10,373'	11	26-35	72	
10,529'	11-1/2	30	52-70	
10,826'				40 Wt. 50-52 RPM
10,850'	9	40	50	T.D.

# VISCO WATER ANALYSIS WORK SHEET

COMPANY AMERICAN QUARR LOCATION Pineview Date 3/21/79  
 TIME 11:00 AM LEASE NEWTON SHEEP #1 WATER SOURCE TREATOR

**TOTAL DISSOLVED SOLIDS:**

CATIONS	Column 1 mg/l as compound	Column 2 mg/l as ions	Column 3 meq/l
A. Sodium		<u>3911.75</u> as Na <sup>+</sup> = 23.0 X	<u>170.07</u> A.
B. Total hardness, as CaCO <sub>3</sub> =	<u>2220</u>		
C. Calcium, as CaCO <sub>3</sub> =	<u>110</u> X 0.400 =	<u>44</u> as Ca <sup>++</sup> X 0.050 =	<u>2.2</u> C.
D. Magnesium, as CaCO <sub>3</sub> =	<u>2120</u> X 0.243 =	<u>512.73</u> as Mg <sup>++</sup> X 0.0823 =	<u>42.19</u> D.
E. Barium, as BaSO <sub>4</sub> =	<u>9</u> X 0.589 =	<u>5.30</u> as Ba <sup>++</sup> X 0.0146 =	<u>.07</u> E.
		Subtotal	<u>44.47</u>
F. Total Cations =		<u>4473.78</u>	<u>214.54</u> F.
ANIONS			
G. Chloride, as NaCl =	<u>11200</u> X 0.607 =	<u>6798.4</u> as Cl <sup>-</sup> X 0.0282 =	<u>191.71</u> G.
H. Sulfate, as Na <sub>2</sub> SO <sub>4</sub> =	<u>770</u> X 0.676 =	<u>520.52</u> as SO <sub>4</sub> <sup>=</sup> X 0.0208 =	<u>10.82</u> H.
I. Carbonate, as CaCO <sub>3</sub> =	<u>0</u> X 0.600 =	<u>0</u> as CO <sub>3</sub> <sup>=</sup> X 0.0333 =	<u>0</u> I.
J. Bicarbonate, as CaCO <sub>3</sub> =	<u>600</u> X 1.220 =	<u>732</u> as HCO <sub>3</sub> <sup>=</sup> X 0.0164 =	<u>12.00</u> J.
K. Total Anions =		<u>8650.92</u>	<u>214.54</u> K.
L. Total Dissolved Solids		<u>12524.7</u>	L
M. Total Iron, as Fe	<u>1.8</u>	<u>1.8</u>	
N. Acidity to Phen., as CaCO <sub>3</sub> <u>not Run</u> X 0.440 =			

**OTHER PROPERTIES:**

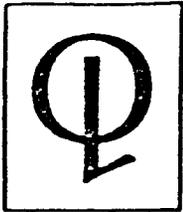
P. Sulfide, as H <sub>2</sub> S	_____	S. Turbidity	<u>23 JTU</u>
Q. Oxygen, as O <sub>2</sub>	_____	T. Temperature, °F	_____
R. pH	<u>7.7</u>	V. Spec. Grav.	_____

COMMENTS: FORMATION - STUMP  
Aerobic and Anaerobic bacteria run on Sample

DISTRICT/AREA: 15 / EVANSTON Wyo ANALYST: Hest Harward

**DIRECTIONS:**

- Step 1: Complete tests in Column 1, and "Other Properties".
- Step 2: Complete the multiplication steps for Columns 2 and 3, except Line A.
- Step 3: In Column 3, add C, D, E to get subtotal. In Column 3, add G, H, I and J and enter total in 3K.
- Step 4: Subtract subtotal from 3K and enter difference in 3A. In Column 3, add 3A to subtotal and enter in 3F.
- Step 5: Multiply 3A by 23.0 and enter in 2A.
- Step 6: Add Column 2 Cations to get Total in 2F. Add Anions to get Total in 2K. Add 2F and 2K to get 2L.



# AMERICAN QUASAR PETROLEUM CO. OF NEW MEXICO

707 UNITED BANK TOWER, 1700 BROADWAY, DENVER, COLORADO 80290, U.S.A.  
TELEPHONE (303) 861-8437

May 8, 1979

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

Attention: Mr. Cleon B. Feight, Director

Subject: Conversion of the Boyer 34-1, SE SW Sec 34, T3N-R7E and  
UPRR 11-1, NW NW Sec 11, T2N-R7E, Summit County, Utah  
to Salt Water Disposal

Gentlemen:

American Quasar Petroleum Company requests approval to convert two wells (Boyer 34-1 and UPRR 11-1) in the Pineview Field, Summit County, Utah to salt water disposal. The proposed injection is in the Stump formation, over depth intervals of 6600 to 6920 in the Boyer 34-1 and 5780 to 6230 in the UPRR 11-1. The Stump formation is productive of oil, gas and water from two wells in the Pineview Field, the Newton Sheep #1 and the Pineview 4-7S. The interval consists of multiple sandstone layers separated by shale intervals. Porosity of the sandstone intervals average 9%.

An analysis of the produced water from the Newton Sheep #1 indicates the total dissolved solids to be 12,500 parts per million. Water to be disposed of includes produced water from the Frontier, Stump, Twin Creek and Nugget reservoirs in the Pineview Field. Analysis of produced waters from each of these reservoirs is attached. The average concentration of total dissolved solids in the injection water is estimated to be 25,000 parts per million. Maximum estimated ultimate disposal rate is 10,000 barrels per day per well with a minimum rate of 5,000 barrels per day per well.

The Stump interval in the Boyer 34-1 well is cased but not cemented. The proposed interval will be block squeezed and a cement bond log run to confirm isolation from adjacent formations. A re-entry will be required on the UPRR 11-1 well since casing was pulled when the well was temporarily abandoned. Casing will be set and cemented through the Stump interval after which a cement bond log will be run.

May 8, 1979

Listed below are the attachments being submitted with the application:

1. Sundry Notices on conversion of wells to salt water disposal.
2. Area maps indicating wells to be converted and lessee ownership.
3. Address list of all offset lessees.
4. Water analysis of all producing reservoirs in the Pineview Field.
5. Procedures for converting wells to salt water disposal.
6. Logs indicating the Stump interval in the proposed disposal wells.

Copies of this application have been sent by registered mail to all affected lessees.

Should any additional information be required, please contact this office at your convenience.

Very truly yours,



Bob Seidel  
Division Operations Manager

BS:sb  
enclosures

# CHEMICAL & GEOLOGICAL LABORATORIES

P. O. Box 2794  
Casper, Wyoming

## WATER ANALYSIS REPORT

OPERATOR <u>American Quasar Petroleum Co.</u>	DATE <u>October 31, 1978</u> LAB NO. <u>29162</u>
WELL NO. <u>4-45</u>	LOCATION <u>Sec. 4-2N-7E</u>
FIELD <u>Pineview</u>	FORMATION _____
COUNTY <u>Summit</u>	INTERVAL _____
STATE <u>Utah</u>	SAMPLE FROM <u>DST #3 (Sampler)</u>

REMARKS & CONCLUSIONS:

Mud, low water loss.

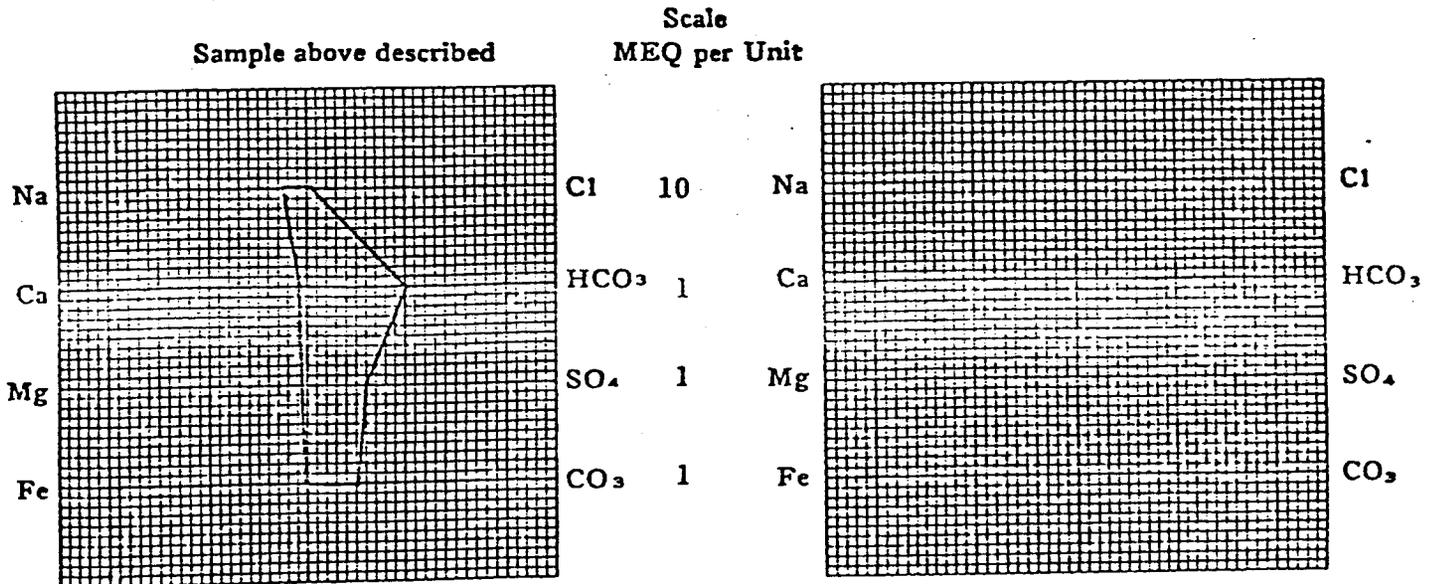
RECEIVED  
 NOV 6 1978  
 CHEMICAL & GEOLOGICAL LABORATORIES  
 CASPER, WYOMING

Cations	mg/l	meq/l	Anions	mg/l	meq/l
Sodium - - - - -	578	25.14	Sulfate - - - - -	275	5.72
Potassium - - - - -	10	0.26	Chloride - - - - -	190	5.36
Lithium - - - - -	-	-	Carbonate - - - - -	144	4.80
Calcium - - - - -	12	0.60	Bicarbonate - - - - -	622	10.20
Magnesium - - - - -	1	0.08	Hydroxide - - - - -	-	-
Iron - - - - -	-	-	Hydrogen sulfide - - - - -	-	-
Total Cations - - - - -		26.08	Total Anions - - - - -		26.08

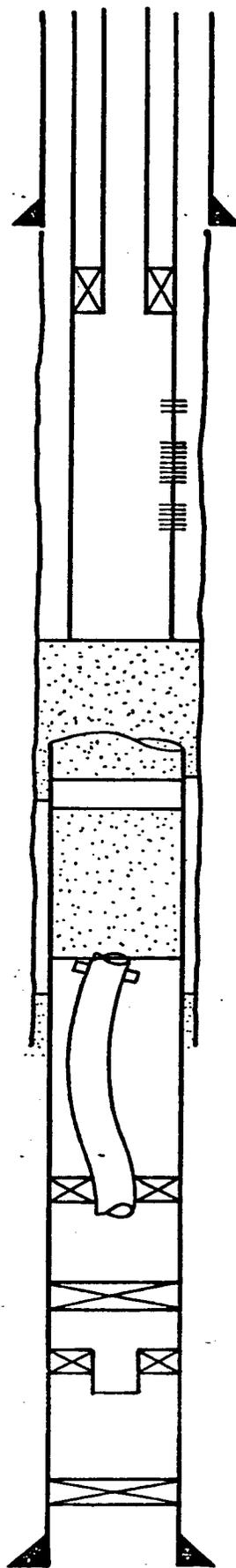
Total dissolved solids, mg/l - - - - -	1516
NaCl equivalent, mg/l - - - - -	1278
Observed pH - - - - -	9.1

Specific resistance @ 68°F.:	
Observed - - - - -	4.60 ohm-meters
Calculated - - - - -	4.70 ohm-meters

### WATER ANALYSIS PATTERN



(Na value in above graphs includes Na, K, and Li)  
 NOTE: Mg/l=Milligrams per liter Meq/l= Milligram equivalents per liter  
 Sodium chloride equivalent=by Dunlap & Hawthorne calculation from components



9 5/8" at 2705'

PROPOSED STUMP RE-ENTRY

6159 - 6172

6177 - 6233

6294 - 6316

7" CSG at 6450' CEMENTED w/CLASS G.

CMT PLUG 6450 - 6890'

CASING CUT OFF at 6890'

CMT PLUG 7608 - 7848

MILLED HOLE IN CSG at 7845±

TOP OF FISH at 7848'

WASHOVER SHOE TWISTED  
OFF AT TOP OF FISH

PACKER HUNG at 9783'

RBP at 9965'

PRODUCTION PKR w/PLUG at 10,050

CIBP at 10,450

7" at 10,650

SQUEEZED PERFS

7600 - 02

7735 - 37

7825 - 27

7838 - 40

OPEN PERFS

9380 - 84

9410 - 50

9470 - 9534

9544 - 70

9630 - 50

9666 - 76

9682 - 86

9715 - 55

9765 - 9815

10,182 - 92

10,200 - 10

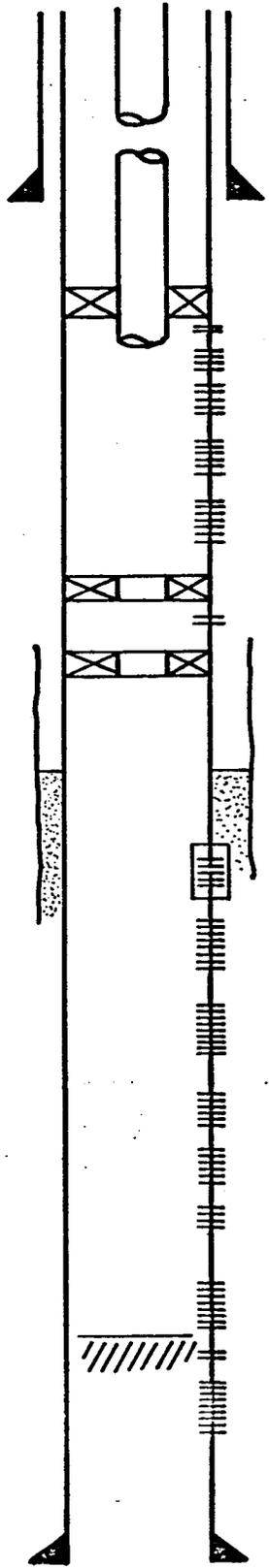
10,240 - 45

10,268 - 92

10,480 - 500

PINEVIEW FIELD  
Summit Co., Utah  
*UPRR 11-1*

5-7-79



9 5/8" 36# K-55 at 1515' CMT'D w/850 sx  
CLASS G. CEMENTED TO SURFACE

2 7/8" J-55, 6.5# EVE INTERNALLY PLASTIC COATED TBG  
PROPOSED STUMP COMPLETION

RETRIEVEABLE PKR at 6570'

SQZ PERFS 6580-6582

6784 - 6796

6849 - 6859

6869 - 6878

6888 - 6916

CICR at 6930

SQZ PERFS at 6950-6952

CICR at 8800'

ORIGINAL CEMENT TOP 8930'

TWIN CREEK

9554-9559 SQUEEZED

9586 - 9601

9660 - 9720

9838-9850

9862-9876

9878-9884

9950 - 10,035

10,085 - 4 SHOTS SQUEEZED

10,384 - 10,404 SQUEEZED

7" 26 & 23# N-80 & S-95 at 10,826'

CMT'D w/700 sx 50:50 POZ MIX

PBT D 10,041

TD 10,850'

**PINEVIEW FIELD**  
Summit Co., Utah  
**BOYER 34-1**

5-7-79

# CHEMICAL & GEOLOGICAL LABORATORIES

P. O. Box 2794  
Casper, Wyoming

## WATER ANALYSIS REPORT

OPERATOR American Quasar Petroleum Co. DATE September 29, 1978 LAB NO. 28805-9  
 WELL NO. 10-1 Bingham LOCATION \_\_\_\_\_  
 FIELD Pineview FORMATION Twin Creek  
 COUNTY Summit INTERVAL \_\_\_\_\_  
 STATE Utah SAMPLE FROM Treater {9-14-78}

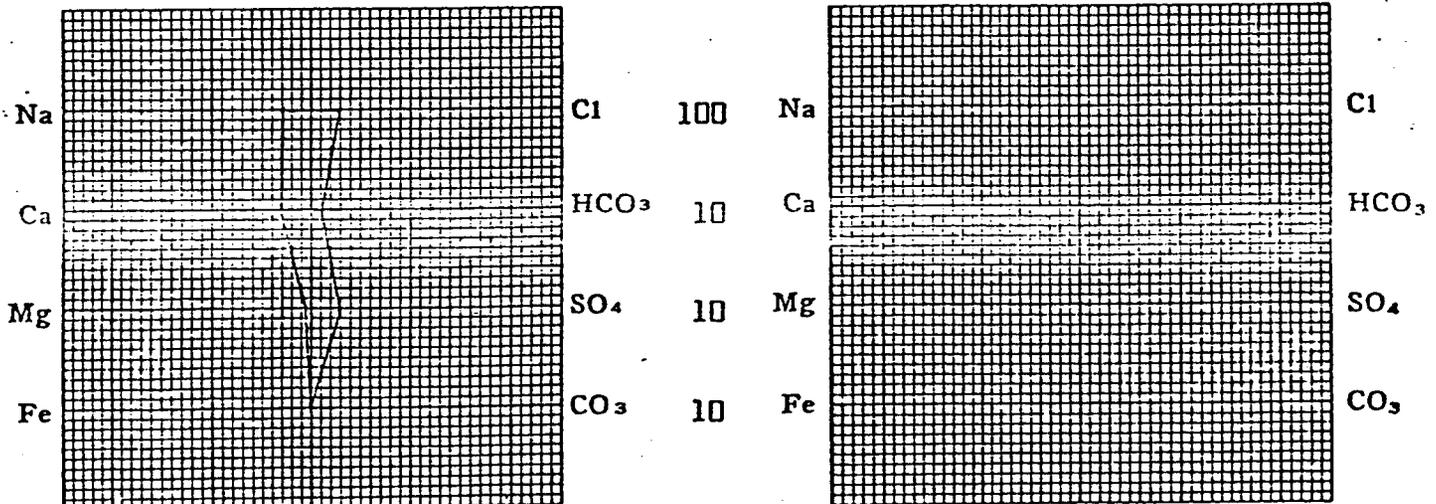
REMARKS & CONCLUSIONS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Cations			Anions		
	mg/l	meq/l		mg/l	meq/l
Sodium	8612	374.64	Sulfate	1650	34.32
Potassium	490	12.54	Chloride	13400	377.88
Lithium	-	-	Carbonate	-	-
Calcium	567	28.29	Bicarbonate	671	11.00
Magnesium	94	7.73	Hydroxide	-	-
Iron	-	-	Hydrogen sulfide	-	-
Total Cations			Total Anions		
423.20			423.20		

Total dissolved solids, mg/l	25143	Specific resistance @ 68°F.:	
NaCl equivalent, mg/l	24235	Observed	0.35 ohm-meters
Observed pH	7.2	Calculated	0.28 ohm-meters

### WATER ANALYSIS PATTERN

Sample above described Scale MEQ per Unit



(Na value in above graphs includes Na, K, and Li)  
 NOTE: Mg/l=Milligrams per liter Meq/l= Milligram equivalents per liter  
 Sodium chloride equivalent=by Dunlap & Hawthorne calculation from components

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

1538 WEST NORTH TEMPLE  
 SALT LAKE CITY, UTAH 84116  
 323-5771

State Lease No. \_\_\_\_\_  
 Federal Lease No. \_\_\_\_\_  
 Indian Lease No. \_\_\_\_\_  
 Fee & Pat. FEE \_\_\_\_\_

REPORT OF OPERATIONS AND WELL STATUS REPORT

STATE Utah COUNTY Summit FIELD/LEASE Pineview

The following is a correct report of operations and production (including drilling and producing wells) for the month of:  
October, 19 79

Agent's Address: 707 United Bank Tower  
1700 Broadway  
Denver, CO 80290  
 Phone No. (303) 861-8437

Company: American Quasar Petroleum Co. of New Mexico  
 Signed: Mary Marston  
 Title: Administrative Supervisor

Sec. and % of ¼	Twp.	Range	Well No.	Days Produced	Barrels of Oil	Gravity	Cu. Ft. of Gas (In thousands)	Gallons of Gasoline Recovered	Barrels of Water (if none, so state)	REMARKS (if drilling, depth; if shut down, cause and result of test for gasoline content of gas)
Boyer Sec. 34 SE SW	3N	7E	34-	0	0	43.6	0	0	0	SI.

Gas Sold \_\_\_\_\_  
 Flared/Vented \_\_\_\_\_  
 Use on/off Lease \_\_\_\_\_

NOTE: There were \_\_\_\_\_ runs or sales of oil; \_\_\_\_\_ cu. ft. of gas sold;  
 \_\_\_\_\_ runs or sales of gasoline during the month.

DRILLING/PRODUCING WELLS: This report must be filed on or before the sixteenth day of the succeeding month following production for each well. Where a well is temporarily shut-in, a negative report must be filed. THIS REPORT MUST BE FILED IN DUPLICATE

August 5, 1982

American Quasar Petroleum Co.  
707 United Bank Tower  
1700 Broadway  
Denver, CO 80290

Attn: Mary Marson

RE: Boyer 34-1 Well  
Sec. 34, T3N, R7E  
Summit County, Utah

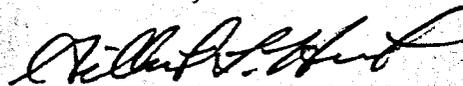
Dear Ms. Marson:

Our records show that injection data is being received for the above-referenced well. However, the well file supports no record of the conversion to an injection well. Please send the appropriate notices and reports for the conversion so our file can be updated.

If you have any questions, please call.

Very truly yours,

DIVISION OF OIL, GAS AND MINING



GILBERT L. HUNT  
UIC GEOLOGIST

GLH/dc

**POOR COPY**

Board/Charles R. Henderson, Chairman • John L. Bell • E. Steele McIntyre • Edward T. Beck  
Robert R. Norman • Margaret R. Bird • Herm Olsen

an equal opportunity employer • please recycle paper

*Handwritten mark: 14*

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

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> <small>(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.)</small>		<b>5. LEASE DESIGNATION AND SERIAL NO.</b> <b>FEE</b>
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</b>
<b>1. OIL WELL</b> <input type="checkbox"/> <b>GAS WELL</b> <input checked="" type="checkbox"/> <b>OTHER</b> Saltwater Disposal Well		<b>7. UNIT AGREEMENT NAME</b>
<b>2. NAME OF OPERATOR</b> American Quasar Petroleum Co.		<b>8. FARM OR LEASE NAME</b> Boyer
<b>3. ADDRESS OF OPERATOR</b> 707 United Bank Tower 1700 Broadway Denver, CO 80290		<b>9. WELL NO.</b> 34-1
<b>4. LOCATION OF WELL</b> (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1980' FWL, <del>859'</del> 819' FWL, (SE SW)		<b>10. FIELD AND POOL, OR WILDCAT</b> Pineview
<b>14. PERMIT NO.</b> 43-043-30034		<b>11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA</b> Sec. 34, T3N-R7E
<b>15. ELEVATIONS</b> (Show whether DF, RT, OR, etc.) 6740' GR		<b>12. COUNTY OR PARISH</b> <b>13. STATE</b> Summit Utah

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

NOTICE OF INTENTION TO :		SUBSEQUENT REPORT OF :	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) Complete as SWD well <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
(Other) <input type="checkbox"/>		<small>(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</small>	

**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.)\*

Re-entered well 3/8/81.  
 Sqzd perfs 9586-10,035 w/350 sx Class G cement.  
 Perf'd Stump 6950-52, 4 SPF, sqzd w/350 sx Class G cement  
 Perf'd Stump 6578-80, 4 SPF, sqzd w/350 Sx Class Class G cement  
 Perf'd Stump 6784-6916, 4 SPF  
 Aczd perfs w/5000 gals 15% HCl & 1200# benzoic acid flakes.  
 Pkr set @6646'.  
 Job completed 3/22/81.  
 Connected to disposal system 4/15/81.

**APPROVED BY THE STATE**  
**OF UTAH DIVISION OF**  
**OIL, GAS, AND MINING**  
DATE: AUG 24 1982 9/23/82  
BY: *[Signature]*  
DIVISION OF  
OIL, GAS & MINING

*CAUSE # 160-14*

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

SIGNED James T. Brown TITLE Div. Production Manager DATE 8/13/82

(This space for Federal or State office use)

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

DEPARTMENT OF NATURAL RESOURCES AND ENERGY

Division of Oil, Gas, and Mining  
Room 4241 State Office Building  
Salt Lake City, Utah 84114  
(801) 533-5771

[Rule I-7(a)]

October **ANNUAL FLUID INJECTION REPORT**  
~~January~~ 1, through December 31, 19 82

(See Reverse Side for Definition and Instructions)

1700 Broadway #707

OPERATOR American Quasar Petroleum ADDRESS Denver, Colorado ZIP 80290

1. PURPOSE OF FLUID INJECTION (Check appropriate Box)

Enhanced Recovery  Disposal

Complete Appropriate Section Below (2 or 3)

2. ENHANCED RECOVERY (Project Basis)

A. Location: Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ Rng. \_\_\_\_\_ County \_\_\_\_\_ (Approx. Center of Project)

B. Pool Name: \_\_\_\_\_ Formation \_\_\_\_\_ Depth \_\_\_\_\_

C. Authorized by \_\_\_\_\_ Order No. \_\_\_\_\_ Date \_\_\_\_\_

D. Nature of Inj. Fluid: Gas  L.P.G.  Salt Water  Brackish Water  Fresh Water

E. Daily Ave. Inj.  
(Bbls. or MCF)

F. Avg. Well Head  
Inj. Press

G. If all or part of Inj. Fluid is Fresh Water show source:  
Well  Depth \_\_\_\_\_ Feet Pond  Stream   
Other \_\_\_\_\_ Location: Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ Rng. \_\_\_\_\_

3. DISPOSAL (Individual Well) Boyer 34-1

A. Location:  $\frac{1}{4}$  SE SW Sec 34 Twp. 3N Rng. 7E County Summit

B. Formation Stump Depth 6796-6916

C. Authorized by \_\_\_\_\_ Order No. 160-14 Date 6/26/79

D. Avg. Daily Disposal Volume 1497 Avg. Daily Well Head Press 2500 PSIG

E. Quality (If available attach copy of Chemical Analysis)  
Disposal Water  Formation Water (Prior To Disposal)

F. Annulus Pressures between: Tubing & Long String 0 PSI  
Long String & Surface Casing 0 PSI

G. Packer Setting Depth 6646 Feet

H. Inspected By: -- Date --

4. Describe any well testing or well repair performed during the time period:

None

5. Verification of Information on this Page:

I certify that to the best of my knowledge and belief the facts contained herein are true and correct.

By John D. Nola

Title Division Production Manager

Form UIC 10  
August, 1982

**RECEIVED**  
APR 06 1983

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
4241 State Office Building  
Salt Lake City, Utah 84114

DIVISION OF  
OIL, GAS & MINING

WELL INTEGRITY REPORT

Date March 5, 1983

Water Disposal Well  Enhanced Recovery Well \_\_\_\_\_ Other \_\_\_\_\_

DOGMA/UIC Cause Number \_\_\_\_\_

Company American Quasar Petroleum

Address PO Drawer 5

City and State Coalville, Utah Zip Code 84057

Lease Name or Number Pineview Well Name or Number Boyer 34-1

API Well Number \_\_\_\_\_ Location \_\_\_\_\_ 1/4 of \_\_\_\_\_ 1/4 of \_\_\_\_\_

Section 34 Township 3N Range 7E County Summit

Present at Completion:  Yes \_\_\_\_\_ No

Casing Tested in My Presence:  Yes \_\_\_\_\_ No Pressure 1000 PSI 15 Minutes

Packer Tested in My Presence:  Yes \_\_\_\_\_ No Pressure 1000 PSI 15 Minutes

Surface-Prod. Csg. Annulus --- PSI Prod. Csg.-Tubing Annulus 2600 PSI

Disposed/Injected Water Sample Taken:  
 Yes  No (Attach water analysis when obtained)

This well seems to be completed in accordance with DOGM Rule I:  
Yes  No \_\_\_\_\_. If NO, write report.

Remarks:

I hereby certify that this report is true and complete to the best of my knowledge.

Name of Operator American Quasar Petroleum

 - Production Supervisor  
(Signature) (Title)

\_\_\_\_\_  
DOGM Field Inspector

BASIK LABORATORIES  
75 W. 200 N. (73-10)  
Roosevelt, UT 84066  
(801) 722-4511

CERTIFICATE OF ANALYSIS  
Water Analysis Report

Date: March 22, 1983

Company: American Quasar

Laboratory Number: 830069

Sample Description: Water Disposal Water

Sample Date: March 10, 1983

Submitted by: Paul Smith

Component	Mg/l (ppm)	Meq/l
Calcium (Ca+2)	1520	76.0
Magnesium (Mg+2)	206	17.2
Sodium (Na+)		
Bicarbonate (HCO3--)	170	2.8
Carbonate (CO3-2)	0	0
Chloride (Cl-)	24200	661.7
Sulfate (SO4-2)	140	1.5

Total Alkalinity (as Calcium Carbonate): 279 mg/l

Total Hardness (as Calcium Carbonate): 4660 mg/l

pH: 7.02

Resistivity (Ohm-m): Not determined

BASIN LABORATORIES  
75 W. 200 N. (73-10)  
Roosevelt, UT 84066  
(801) 722-4511

CERTIFICATE OF ANALYSIS  
Water Analysis Report

Date: March 22, 1983

Company: American Quasar

Laboratory Number: 8300~~6~~70

Sample Description: Water Disposal Water

Sample Date: March 10, 1983

Submitted by: Paul Smith

Component	Mg/l (ppm)	Meq/l
Calcium (Ca+2)	1100	55.0
Magnesium (Mg+2)	192	16.0
Sodium (Na+)		
Bicarbonate (HCO3-)	286	4.7
Carbonate (CO3-2)	0	0
Chloride (Cl-)	18500	521.1
Sulfate (SO4-2)	178	1.9

Total Alkalinity (as Calcium Carbonate): 469 mg/l

Total Hardness (as Calcium Carbonate): 3550 mg/l

pH: 7.57

Resistivity (Ohm-m): 0.236



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

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

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

April 1, 1983

American Quasar Petroleum Co.  
Box 406  
Coalville, Utah 84017

Attn: Paul Smith

RE: Injection Well  
Mechanical Integrity Testing

Dear Mr. Smith:

Pursuant to our recent visit at the Pineview field during which I witnessed pressure tests of several of American Quasar's water disposal wells, please fill out and sign the enclosed Well Integrity Report for the Boyer 34-1 well.

If you have any questions, please call.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Gilbert L. Hunt'.

GILBERT L. HUNT  
UIC GEOLOGIST

GLH/mn

Board/Charles R. Henderson, Chairman • John L. Bell • E. Steele McIntyre • Edward T. Beck  
Robert R. Norman • Margaret R. Bird • Herm Olsen

an equal opportunity employer • please recycle paper

STATE OF UTAH  
DIVISION OF OIL, GAS, AND MINING  
ROOM 4241 STATE OFFICE BUILDING  
SALT LAKE CITY, UTAH 84114  
(801) 533-5771  
(RULE I-5 & RULE I-4)

FORM NO. DOGM-UIC-1  
(Revised 1982)

IN THE MATTER OF THE APPLICATION OF  
American Quasar Petroleum Co.  
ADDRESS 1700 Broadway #707  
Denver, CO ZIP 80290  
INDIVIDUAL  PARTNERSHIP  CORPORATION   
FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR  
INJECT FLUID INTO THE Boyer 34-1 WELL  
SEC. 34 TWP. 3N RANGE 7E  
Summit COUNTY, UTAH

CAUSE NO. 160-14

ENHANCED RECOVERY INJ. WELL	<input type="checkbox"/>
DISPOSAL WELL	<input checked="" type="checkbox"/>
LP GAS STORAGE	<input type="checkbox"/>
EXISTING WELL (RULE I-4)	<input type="checkbox"/>

APPLICATION

Comes now the applicant and shows the Corporation Commission the following:

1. That Rule I-5 (g) (iv) authorizes administrative approval of enhanced recovery injections, disposal or LP Gas storage operations.
2. That the applicant submits the following information.

Lease Name <u>Boyer</u>	Well No. <u>34-1</u>	Field <u>Pineview</u>	County <u>Summit</u>
Location of Enhanced Recovery Injection or Disposal Well <u>SESW</u> Sec. <u>34</u> Twp. <u>3N</u> Rge. <u>7E</u>			
New Well To Be Drilled Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Old Well To Be Converted Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Casing Test Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Date <u>3/9/81</u>	
Depth-Base Lowest Known Fresh Water Within 1/2 Mile <u>±2900'</u>	Does Injection Zone Contain Oil-Gas-Fresh Water Within 1/2 Mile YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		State Water <u>011</u>
Location of Injection Source(s) <u>Pineview Field</u>		Geologic Name(s) and Depth of Source(s) <u>Twin Creek (-3500' elev)</u> <u>Nugget (-4500' elev)</u>	
Geologic Name of Injection Zone <u>Stump</u>		Depth of Injection Interval <u>6796</u> to <u>6916</u>	
a. Top of the Perforated Interval: <u>6796</u>	b. Base of Fresh Water: <u>±2900</u>	c. Intervening Thickness (a minus b) <u>3896'</u>	
Is the intervening thickness sufficient to show fresh water will be protected without additional data? <u>YES</u> NO			
Lithology of Intervening Zones <u>Sandstone, siltstone and shale</u>			
Injection Rates and Pressures Maximum <u>10,000</u> B/D <u>2,500</u> PSI			
The Names and Addresses of Those to Whom Notice of Application Should be Sent.			
<u>Newton Sheep Company c/o Steve Stewart 1675 N. 200 W. Provo, UT 84601</u>			
<u>E. W. Boyer 210 E. Main Henefer, UT 84033</u>			
<u>Champlin Petroleum Co. Box 1257 Englewood, CO 80150</u>			
<u>J. Adkins, Jr. 462 N. Main Coalville, UT 84017</u>			

State of Colorado  
County of Denver

John D. Dolan  
Applicant

Before me, the undersigned authority, on this day personally appeared John D. Dolan known to me to be the person whose name is subscribed to the above instrument, who being by me duly sworn on oath states, that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct.

Suscribed and sworn to before me this 20th day of July, 1983

SEAL

My commission expires 9/15/85

David H. Hancock  
Notary Public in and for Denver, Colorado

INSTRUCTIONS

1. Attach qualitative and quantitative analysis of representative sample of water to be injected and a qualitative and quantitative analysis of the injection formation of water.
2. Attach plat showing subject well and all known oil and gas wells, abandoned, drilling and dry holes within one-half mile, together and with the name of the operator(s).
3. Attach Drillers Log (Form DOGM-UIC-2). (Appropriate Surety must be on file with Conservation Division or appropriate government agencies.)
4. Attach Electric or Radioactivity Log of Subject well (if released).
5. Attach schematic drawing of subsurface facilities including; Size, setting depth, amount of cement used measured or calculated tops of cement surface, intermediate (if any) and production casings; size and setting depth of tubing; type and setting depth of packer; geologic name of injection zone showing top and bottom of injection interval.
6. If the application is for a NEW well the original and six (6) copies of the application and three (3) complete sets of attachments shall be mailed to the Division. For EXISTING well applications (Rule I-4) only ONE copy of the application and ONE complete set of attachments are required to be mailed to the Division.
7. The Division is required to send notice of application to the surface owner of the land within one-half mile of the injection well and to each operator of a producing leasehold within one-half mile of the injection well. List all required names and addresses in the appropriate space provided on the front of this form.
8. Notice that an application has been filed shall be published by the Division in a newspaper of general circulation in the county of publication before the application is approved. The notice shall include the name and address of applicant, location of proposed injection or disposal well, injection zone, injection pressure and volume. If no written objection is received within 15 days from date of publication the application may be approved administratively.
9. A well shall not be used for injection or disposal unless completed machine accounting Form DOGM-UIC-3b is filed by January 31st each year.
10. Approval of this application, if granted, is valid only as long as there is no substantial change in the operations set forth in the application. A substantial operation change requires the approval of a new application.
11. If there is less intervening thickness required by Rule I-5 (b) 4, attach sworn evidence and data.
12. For enhanced recovery projects, information required by Rule I-4 which is common to more than one well, need be reported only once on the application.

CASING AND TUBING DATA

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
Surface	9 5/8"	1515	850	Surface	Circulation
Intermediate					
Production	7"	10826	700	8970' 6340'	Bond Log-Primary Bond Log-Block Sqz.
Tubing	2 7/8"	6646	6646'	Name - Type - Depth of Tubing Packer 35 std	
<b>Total Depth</b> 10850	<b>Geologic Name - Inj. Zone</b> Stump	<b>Depth - Top of Inj. Interval</b> 6796	<b>Depth - Base of Inj. Interval</b> 6916		

(To be filed within 30 days after drilling is completed)

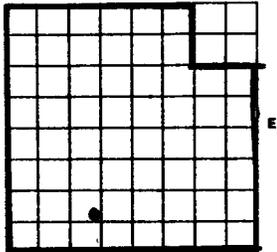
DEPARTMENT OF NATURAL RESOURCES AND ENERGY

DIVISION OF OIL, GAS, AND MINING  
Room 4241 State Office Building  
Salt Lake City, Utah 84114

COUNTY  
LEASE NO.

API NO. 43-043-30034

640 Acres  
N



Locate Well Correctly  
and Outline Lease

COUNTY Summit SEC. 34 TWP. 3N RGE. 7E  
COMPANY OPERATING American Quasar Petroleum  
OFFICE ADDRESS 1700 Broadway #707  
TOWN Denver STATE CO ZIP 80290  
FARM NAME Boyer WELL NO. 34-1  
DRILLING STARTED 1/2 19 77 DRILLING FINISHED 4/5 19 77  
DATE OF FIRST PRODUCTION 4/30/77 COMPLETED 4/30/77  
WELL LOCATED ¼ SE ¼ SW ¼  
859 FT. FROM S.W. CORNER & 1980 FT. FROM W.L. CORNER  
ELEVATION DERRICK FLOOR 6766' GROUND 6745'

TYPE COMPLETION

Single Zone XX  
Multiple Zone \_\_\_\_\_  
Comingled \_\_\_\_\_

LOCATION EXCEPTION

OIL OR GAS ZONES

Name	From	To	Name	From	To
Twin Creek	9950	10035			

CASING & CEMENT

Casing Set			Ceg. Test	Cement			
Size	Wgt.	Grade	Feet	Psi	Sax	Fillup	Top
13 3/8"	48#		40		6½ yds.	Readymix	Surface
9 5/8"	36#	K-55	1515	1200	850		Surface
7"	26 & 23#	N-80 S-95	10826	2200	700	6580' 6950'	sqz 350 sx sqz 350 sx

TOTAL DEPTH 10850

PACKERS SET  
DEPTH 6646'

NOTE: THIS FORM MUST ALSO BE ATTACHED WHEN FILING PLUGGING FORM DOGM-UIC-6

COMPLETION & TEST DATA BY PRODUCING FORMATION

1 2 3

FORMATION	1	2	3
SPACING & SPACING ORDER NO.	Twin Creek	Stump	
CLASSIFICATION (DISPOSAL WELL, ENHANCED RECOVERY, LP GAS STORAGE)	Oil	Injection well	
PERFORATED	10384-10404	6796-6916	
INTERVALS	9950-10035		
ACIDIZED?	200 sx Class G 28% HCl	5000 gals 15% HCl	
FRACTURE TREATED?			

INITIAL TEST DATA

Date	4/30/77		
Oil, bbl./day	778		
Oil Gravity	47.4		
Gas, Cu. Ft./day	668,000	CF	CF
Gas-Oil Ratio Cu. Ft./Bbl.	859		
Water-Bbl./day	0		
Pumping or Flowing	Flowing		
CHOKE SIZE	24/64"		
FLOW TUBING PRESSURE	580		

A record of the formations drilled through and pertinent remarks are presented on the reverse.  
(see reverse side)

*John D. Dolan*

I, the undersigned, being first duly sworn upon oath, state that this well record is true, correct and complete according to the records of this office and to the best of my knowledge and belief.

Telephone 303/861-8437 John D. Dolan, Division Production Manager  
Name and title of representative of company

Subscribed and sworn before me this 20th day of July, 19 83

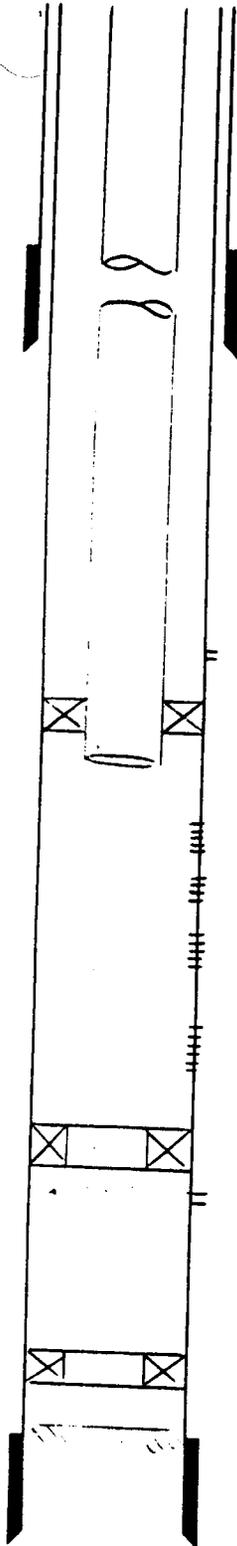
Knight	Surface
Echo Conglomerate	1313
Kelvin	2056
Stump	6610
Preuss	7000
Preuss Slat	8840
Base Preuss Salt	9030
Twin Creek	9160
Gypsum Springs	10460
Nugget	10504

# BAKER OIL TOOLS, INC.

SERVING THE WORLD

DATE 6/19/81 WELL NO. 34-1 LEASE BOYER FIELD PINEVIEW

LOCATION: SE-SW-34-3N-7E Summit Co, Utah



9 5/8" 36# K-55 @ 1515'

SOZ. PERFS @ 6578-80

STUMP

PKR @ 6646'

6784-6796

6849-6859

6869-6878

6888-6916

CICR @ 6930

SOZ PERFS @ 6950-52

CEMENT RETAINER @ 8809'

CMT TOP @ 9225 EST

7" 23 1/2 26# N-80 S-95 @ 10,826'

TD, 10,850



BRIDGE PLUG



PACKER



CENTRALIZER



SCRATCHER



BASKET



PERFORATION

T  
3  
N

T  
2  
N

AQP  
34-41 Moore-  
Boyer

33

34

35

AQP, et al

AQP, et al

Newton Sheep Co.

AQP  
34-1Boyer 1/2 MILE  
Radius

UPRR

E. W. Boyer

J. Adkins, Jr.

AQP  
4-8S

AQP  
4-5S

AQP  
3-1UPRR

CHAMP.  
1 McDonald 31-3

AQP  
2-2 Bingham

AQP, et al

AQP, et al

CHAMPLIN

4  
AQP  
4-9S

AQP  
4-7S

AQP  
3-8S

AQP  
3-4 UPRR

CHAMP.  
1 Adkins 32-E3

T3 N-R 7 E 2  
EXHIBIT I  
AMERICAN QUASAR PETROLEUM CO.

Newton Sheep Co.

UPRR

AQP  
4-10S

AQP  
3-2UPRR

UPRR

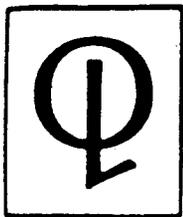
PINEVIEW FIELD  
SUMMIT COUNTY, UTAH  
EXISTING 34-1BOYER  
SALT WATER DISPOSAL WELL

1" = 1,000'

8-25-82



CRT



# AMERICAN QUASAR PETROLEUM CO. OF NEW MEXICO

707 UNITED BANK TOWER, 1700 BROADWAY, DENVER, COLORADO 80290, U.S.A.  
TELEPHONE (303) 861-8437

September 22, 1983

State of Utah  
Division of Oil, Gas and Mining  
4241 State Office Building  
Salt Lake City, Utah 84114

SEP 23 1983  
DANIEL

Attention: Gilbert L. Hunt

Subject: Rule I-4, Existing Injection Wells,  
Pineview Field, Summit County, Utah

Gentlemen:

We have attached the information requested in your letter dated August 9, 1983 in order to complete our application under Rule I-4. The following information is provided:

1. Schematic wellbore sketches attached:  
     Bingham 10-3  
     Boyer 34-1  
     Jones 42-5  
     UPRR 5-1\*  
     UPRR 11-1  
     UPRR 15-1

\*State to witness tubing-annular test

2. The Nugget fracturing gradient is  $\pm 0.7$  to  $0.75$  psi/ft based upon fracture stimulations in the UPRR 5-1 (Twin Creek) and the Howell Livestock 26-31 (Nugget). The Stump fracture gradient is  $0.922$  psi/ft based on recent acid breakdowns in the Clark 4-1, UPRR 9-1 and Newton Sheep 4-9S.
3. High-low pressure switches are installed which will shut down the injection pumps. Field personnel check injection stations a minimum of three times daily.
4. Representative produced, DST and injection water analyses are attached.
5. The Pineview Field is an east-west trending anticline on the hanging wall of the northeast-southwest trending Absaroka Thrust fault. The Nugget and Twin Creek formations, which produce at Pineview, are cut off by the Absaroka on the east side of the structure. On the north flank the same formations are faulted up relative to the north Pineview anticline in Sections 26 and 35. The south flank has dips of  $7^\circ$  to  $15^\circ$  into a syncline separating it from the Elkhorn structure.

Smaller subsidiary faults parallel to the Absaroka cut the Pineview

7

anticline on the east and west sides. There is about 2650 feet of structural closure, of which 1060 feet was originally oil productive in the Nugget.

The Nugget formation is 1054 feet thick in the American Quasar UPRR 3-2 well in NW SW Section 3, T2N-R7E. The Nugget is an Aeolian sand with variable porosity in the upper half and generally tight in the lower half.

Below the Nugget is the Ankareh formation, composed of thin bedded red sands and shales. It is considered impermeable to vertical fluid migration.

Above the Nugget is the Twin Creek formation. It is 1303 feet of hard, dense shaly limestone. At the base of the Twin Creek is the Gypsum Spring member. It is about 50 feet thick and consists of interbedded shale, anhydrite and limestone. It forms a barrier on the Nugget sand to vertical fluid migration.

The Stump formation is 500 to 950 feet thick and is from 5200 to 6700 feet deep at Pineview. The structure map shows the formation to be very broken up with northeast-southwest normal and reverse faults.

The Stump is composed of interbedded sandstone, conglomerate, shales and siltstone. The sands are discontinuous and have variable porosity and permeability. The oil production is presently confined to the west side of the structure in Section 4, and northwest corner of Section 3.

Two structure maps are attached showing the Nugget and Stump formations. We have also attached our calculations, showing that parting pressure is not achieved in either the Stump or Nugget formations.

6. A review of our drilling and production records in the Pineview Area show little or no fresh water influx occurs below  $\pm 1500$  feet. Although not a fixed number, we have consistently doubled this distance to 2900 to 3000 feet. The only drinking water source wells (USDW) in the area are less than 200 feet deep.

We trust this additional information will complete our application.

Very truly yours,



John D. Dolan  
Division Production Manager

JDD:sb  
attachments

12/9/83

Pursuant to Rule I-5 (b) 4 & 5 the following information and discussion is provided for the Stump and Nugget formations:

	<u>Stump</u>	<u>Nugget</u>
A. <u>Formation Properties</u>		
Average depth to top of injection (elev.)	6377 ( $\pm 400'$ )	10,274 (-3787)
Average gross injection thickness (feet)	315	76
Lithology	Siltst-Sdst	Sdst
Average permeability (k)	28 md	5.2 md
Average porosity ( $\emptyset\%$ )	10.3	11.8
Formation temperature ( $^{\circ}\text{F}$ )	$\pm 145^{\circ}$	$\pm 175^{\circ}$
Fracture gradient (psi/ft)	.922	.7-.75
S.G. of injected water	1.04	1.04
Hydrostatic gradient of injected water	.4515	.4515
Maximum allowable surface pressure (psi)	2500	2500
Maximum rate (BWPd)	10,000	10,000

B. Injection Pressure at the formation

$$P_1 = P_2 - P_3 + P_4$$

Where:

$P_1$  = injection pressure at formation

$P_2$  = hydrostatic pressure

$P_3$  = loss due to friction

$P_4$  = maximum surface injection pressure

$P_5$  = fracturing pressure

Stump

$$P_1 = (6377)(.4515) - 100 + 2500$$

$$= 5279 \text{ psi}$$

$$P_5 = (.92)(6377)$$

$$= 5867 \text{ psi}$$

$$P_5 - P_1 = 588 \text{ psi below}$$

Nugget

$$P_1 = (10,274)(.4515) - 200 + 2500$$

$$= 6939 \text{ psi}$$

$$P_5 = (.7)(10,274)$$

$$= 7192 \text{ psi}$$

$$P_5 - P_1 = 253 \text{ psi below}$$

C. Pineview average injection rate  $\pm 14,000$  BWPd for 6 wells or approximately  $\pm 2400$  BWPd per well.

D. Calculations of Injection Yearly Volumes.

$$V_1 = 2400 \text{ (bbl/day} \times 365 \text{ day/yr} = 8.76 \times 10^6 \text{ bbl/yr per well}$$

e. Calculation of Stump and Nugget storage

$$V_2 = \emptyset \times h(\text{ft}) \times 43,560 \left(\frac{\text{ft}^2}{\text{A}}\right) \times \frac{1}{5.614} \left(\frac{\text{bbl}}{\text{ft}^3}\right) \times 1 \frac{\text{bbl}}{\text{bbl}}$$

6  
 6 8  
 2 2

$$\begin{aligned} \text{Stump } V_2 &= (.103)(315)(43560) \left( \frac{1}{5.614} \right) (1) \\ &= \underline{251746} \frac{\text{bbl}}{\text{acre}} \end{aligned}$$

$$\begin{aligned} \text{Nugget } V_2 &= (.118)(76)(43560) \left( \frac{1}{5.614} \right) (1) \\ &= \underline{69,584} \frac{\text{bbl}}{\text{acre}} \end{aligned}$$

F. Acres of Influence

$$A \text{ (acres/yr)} = \frac{V_1}{V_2}$$

$$\begin{aligned} \text{Stump } A &= \frac{876,000 \text{ (bbl/yr)}}{251,746 \text{ (bbl/ac)}} \\ &= 3.5 \frac{\text{acres}}{\text{year}} \end{aligned}$$

$$\begin{aligned} \text{Nugget } A &= \frac{876,000}{69,584} \\ A &= 12.6 \frac{\text{acres}}{\text{year}} \end{aligned}$$

G. Assume 20 years injection

$$\text{Stump } (3.5) \times (20) \times 69.59 \text{ acres} \quad \text{Nugget } (12.6) \times (20) = 151.07 \text{ acres}$$

H. Radius of Influence at 20 years

$$R = \sqrt{\frac{(A)(43,560)}{\pi}}$$

$$\text{Stump } R = \sqrt{\frac{(69.59)(43560)}{\pi}}$$

$$\approx 982 \text{ feet}$$

$$\text{Nugget } R = \sqrt{\frac{(151.07)(43,560)}{\pi}}$$

$$\approx 1447 \text{ feet}$$

I. Injected waters are anticipated to be wholly contained in the Nugget and Stump formations.

**AMERICAN QUASAR PETROLEUM CO.  
DAILY COMPLETION/WORKOVER REPORT**

DATE 2-14-84

WELL Bayer 34-1 DAY NO. 5 FIELD Pineview  
 CONTRACTOR Pride TD 10850 PBDT 6930 AT \_\_\_\_\_

**PROD. CASING/LINER**

7" 23#26 AT 10826 LINER HANGER AT \_\_\_\_\_  
 AT \_\_\_\_\_ DV TOOL AT \_\_\_\_\_

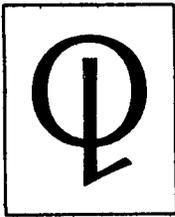
TUBING/WORKSTRING		PKR AT	TGB ANCHOR SET @		RODS	
SIZE <u>2 7/8</u>	WEIGHT <u>6.5 N-80</u>	<u>6615</u>	CONN. <u>EVE BRD</u>	# STANDS <u>108</u>	<u>3/4</u>	_____
SIZE _____	WEIGHT _____	_____	CONN. _____	# STANDS <u>(Plastic)</u>	<u>7/8</u>	_____
LANDING NIPPLES AT _____	AT _____	_____	TYPE _____	I.D. <u>(Coated)</u>	<u>1"</u>	_____
_____	_____	_____	TYPE _____	_____	<u>1" ABOVE PUMP</u>	_____
FLUIDS _____	WEIGHT _____	_____	TYPE _____	SOURCE _____	<u>1" PONY</u>	<u>X</u>
ADDITIVES _____	_____	_____	_____	_____	PUMP _____	_____
_____	_____	_____	_____	_____	STROKE _____	_____

**PERFORATIONS** COMPANY \_\_\_\_\_  
 SIZE OF PERF GUN \_\_\_\_\_ SPF \_\_\_\_\_  
6784 TO 6916, \_\_\_\_\_ TO \_\_\_\_\_, \_\_\_\_\_ TO \_\_\_\_\_  
 TO \_\_\_\_\_, \_\_\_\_\_ TO \_\_\_\_\_, \_\_\_\_\_ TO \_\_\_\_\_

**STIMULATION/ SQUEEZE** COMPANY \_\_\_\_\_  
 FLUIDS USED/ REMARKS \_\_\_\_\_

MAX PRESS \_\_\_\_\_ PSI AVG. RATE \_\_\_\_\_ AVG. PRESS \_\_\_\_\_ ISIP \_\_\_\_\_  
 ISIP \_\_\_\_\_ R MIN SI \_\_\_\_\_ 10 MIN SI \_\_\_\_\_ 30 MIN SI \_\_\_\_\_

**TODAY'S OPERATION**  
M1 & RV Pride #549 T/H with  
22 Jts 2 7/8 Plastic Coated tbq  
ND BOP Set: Lock-set Packer (Baker)  
NV Well Head RD & MO Pride #549  
Daily: \$5100  
Acc: \$12,820



# AMERICAN QUASAR PETROLEUM CO.

P.O. Box 406 / Coalville / Utah 84017 / (801) 336-5668

**RECEIVED**

APR 17 1984

**DIVISION OF OIL  
GAS & MINING**

April 16, 1984

Mr. Gilbert Hunt  
State of Utah  
Oil, Gas & Mining  
4241 State Office Building  
Salt Lake City, Utah 84114

Dear Mr. Hunt:

On February 1, 1984, the Boyer 34-T Class II Water Disposal Well pressured up on the annulas. At that time the well was shut in. A workover rig was moved on the location on February 2, 1984, the packer was released and tripped out of the hole with the tubing. A hole was found in the 211th joint and 22 joints of tubing with bad pins were layed down and the well was shut in until February 14, 1984. On February 14, 1984, 23 joints of new 2 7/8 plastic coated tubing arrived. We tripped in hole with new tubing and set packer (Baker lock set). The annulas was pressure tested to 1000 psi.

If further information is needed, please call me at (801) 336-5668,

Sincerely,

Paul Smith  
Production Supervisor

PS: jr

Form UIC 10  
August, 1982

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
4241 State Office Building  
Salt Lake City, Utah 84114

WELL INTEGRITY REPORT

Date 4/17/84

Water Disposal Well  Enhanced Recovery Well  Other

DOGM/UIC Cause Number \_\_\_\_\_

Company American Quasar

Address \_\_\_\_\_

City and State \_\_\_\_\_ Zip Code \_\_\_\_\_

Lease Name or Number \_\_\_\_\_ Well Name or Number Boyer 34-1

API Well Number \_\_\_\_\_ Location \_\_\_\_\_ 1/4 of \_\_\_\_\_ 1/4 of \_\_\_\_\_

Section 34 Township 3N Range 7E County Summit

Present at Completion: \_\_\_\_\_ Yes  No

Casing Tested in My Presence:  Yes \_\_\_\_\_ No Pressure 1000 PSI 15 Minutes

Packer Tested in My Presence:  Yes \_\_\_\_\_ No Pressure 1000 PSI 15 Minutes

Surface-Prod. Csg. Annulus \_\_\_\_\_ PSI Prod. Csg.-Tubing Annulus 1000 PSI

Disposed/Injected Water Sample Taken:  
\_\_\_\_\_ Yes  No (Attach water analysis when obtained)

This well seems to be completed in accordance with DOGM Rule I:  
Yes  No \_\_\_\_\_. If NO, write report.

Remarks:

I hereby certify that this report is true and complete to the best of my knowledge.

Name of Operator American Quasar

Clifton Vernon  
(Signature) (Title)

[Signature]  
DOGM Field Inspector

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

SUBMIT IN DUPLICATE\*  
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR Champlin Petroleum Company		6. IF INDIAN, ALLOTTED OR TRIBE NAME
3. ADDRESS OF OPERATOR PO Box 700, Rock Springs, Wyoming 82902		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface		8. FARM OR LEASE NAME
14. PERMIT NO.		9. WELL NO.
15. ELEVATIONS (Show whether of, RT, OR, etc.)		10. FIELD AND POOL, OR WILDCAT Pineview
16. COUNTY OR PARISH		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Summit		12. COUNTY OR PARISH 13. STATE Utah

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

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

WELLS

LOCATION

Newton Sheep 4-6	C NW, Sec 4, T2N, R7E
Pineview 4-7	SE NE, Sec 4, T2N, R7E
State 4-8	NW NE, Sec 4, T2N, R7E
Newton Sheep 4-9	SW NE, Sec 4, T2N, R7E
Newton Sheep 4-10	NW SE, Sec 4, T2N, R7E
Newton Sheep 4-11	NE SW, Sec 4, T2N, R7E
State 4-12	NE NW, Sec 4, T2N, R7E
UPRR 5-1	SE SE, Sec 5, T2N, R7E
Jones #1 (42-5)	SE NE, Sec 5, T2N, R7E
UPRR 9-1	SE NE, Sec 9, T2N, R7E
UPRR 9-2	NE SE, Sec 9, T2N, R7E
UPRR 11-1	NW NW, Sec 11, T2N, R7E
UPRR 15-1	NE NW, Sec 15, T2N, R7E
Boyer 34-1	SE SW, Sec 34, T2N, R7E

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

SIGNED *A. M. Schram* TITLE Production Superintendent DATE March 27, 1985

(This space for Federal or State office use)

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

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

7

SUNDRY NOTICES AND REPORTS ON RECEIVED

(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 checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		MAY 01 1985	
2. NAME OF OPERATOR Champlin Petroleum Company		DIVISION OF OIL GAS & MINING	
3. ADDRESS OF OPERATOR PO Box 700, Rock Springs, Wyoming 82902		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface.		8. FARM OR LEASE NAME	
14. PERMIT NO.		9. WELL NO.	
15. ELEVATIONS (Show whether DT, AT, OR, etc.)		10. FIELD AND POOL, OR WILDCAT Pineview	
		11. SEC., T., R., M., OR B.L.K. AND SURVEY OR A.B.A.	
		12. COUNTY OR PARISH Summit	
		13. STATE Utah	

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

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

Effective April 1, 1985, Champlin Petroleum Company will assume operation of the Pineview Field, Summit County, Utah from American Quasar Petroleum Company. All further correspondence should be addressed to: Champlin Petroleum Company, P.O. Box 700, Rock Springs, Wyoming 82902.

The following wells are included in the Pineview Field, Summit County, Utah.

WELLS	LOCATION	WELLS	LOCATION
Bingham 2-1	NW/4 SW/4 Sec 2, T2N, R7E	UPRR 3-4	SE NW, Sec 3, T2N, R7E
Bingham 2-1A	SW SW Sec 2, T2N, R7E	UPRR 3-5	SE SW, Sec 3, T2N, R7E
Bingham 2-2	NW NW, Sec 2, T2N, R7E	UPRR 3-6	SE SE, Sec 3, T2N, R7E
Bingham 2-3	SE SW, Sec 2, T2N, R7E	Pineview 3-7	SW SW, Sec 3, T2N, R7E
Bingham 2-4	SE NW, Sec 2, T2N, R7E	UPRR 3-8	SW NW, Sec 3, T2N, R7E
Bingham 2-5	NW SE, Sec 2, T2N, R7E	UPRR 3-9	NE SE, Sec 3, T2N, R7E
Bingham 10-1	NW NE, Sec 10, T2N, R7E	Newton Sheep #1	NE SE, Sec 4, T2N, R7E
Bingham 10-2	NW NW, Sec 10, T2N, R7E	Clark 4-1	SE SW, Sec 4, T2N, R7E
Bingham 10-3	SE NW, Sec 10, T2N, R7E	Pineview 4-3	SE SE, Sec 4, T2N, R7E
UPRR 3-1	NW/4 NW/4, Sec 3, T2N, R7E	Pineview 4-4	SE SE, Sec 4, T2N, R7E
UPRR 3-2	NW SW, Sec 3, T2N, R7E	Newton Sheep 4-5	NE NE, Sec 4, T2N, R7E
UPRR 3-3	NW/SE, Sec 3, T2N, R7E		

18. I hereby certify that the foregoing is true and correct  
SIGNED S.M. Schram TITLE Production Superintendent DATE March 27, 1985  
S.M. Schram

(This space for Federal or State office use)  
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

CLASS II FILE NOTATIONS

\*\*\*\*\*

DATE FILED: 4/15/85 OPERATOR: American Quazar WELL NO. Boyer 34-1

Sec. 34 T. 3N R. 7E QRT/QRT: SESW COUNTY: Summit

New Well?  Conversion?  Disposal  Enhanced Recovery

\*\*\*\*\*

SURETY/Bond?  Card Indexed?  API Number: 43-043-30034

APPLICATION FILE COMPLETION

Completed Form DOGM-UIC-1?

Plat identifying location and total depth of the following, Rule I-5(b)(1):

Surface Owner(s): 4 Operators: 2 water well(s)     , abandoned well(s) 0, producing wells or drilling well(s) 2, dry holes 0.

Completed Rule I-5(b)(2)? NR, (i)     , (ii)     

Schematic diagram of Well: TD: 10,850, PBD:     , Depth of Inj/Disp interval: 6784-6916, geologic name of inj/dis interval Stump, Casing and cement: top 6580, bottom 10826, Size of: casing 13 3/4 AT 40, tubing 2 7/8 AT 4446, depth of packer: 6646

Assessment of existing cement bond:       
Location of Bottomhole:      MAXIMUM INJECTION RATE: 10000 BPD  
MAXIMUM SURFACE INJECTION PRESSURE: 2500 PSI

Proposed Operating Data:

Procedure for controlling injection rates and pressures: Daily report & switches  
Geologic name: Turnover - magnet, depth, 9160 & 10504, location of injection fluid source. Analysis of water to be injected 17634 mg tds, water of injection formation 2033 tds., EXEMPTION REQUIRED? NO

Injection zone and confining zone data: lithologic description sand. cong. shale - salt  
geologic name Stump, thickness 390', depth 6610', lateral extent 982 feet

USDW's that may be affected by injection: geologic name Waterloo, lateral extent     , depth to the top and bottom of all known USDW's average water well in area is less than 200' deep

Contingency plans? Other tanks

Results of formation testing? Fracture gradient - 922 PSI/ft  
Description of mechanical integrity test 1000 PSI 15 min, injection procedure     

\*\*\*\*\*

CHECKED BY: UIC ADMINISTRATOR: [Signature]

UIC GEOLOGIST:     

Application Complete?  Notice Published  Date:       
DIRECTOR: Approved?  approval letter sent  Requires hearing

**BAROID TREATING CHEMICALS**

**RECEIVED**  
 APR 10 1987

**Boyer 34-1**

**Champlin Petroleum 3N 7E Sec 34**

**Pineview**

**Summit** COUNTY OR PARISH **DIVISION OF OIL, GAS & MINING**

**Utah** STATE

**Transfer Plant** WELL(S) NAME OR NO.

**Filter outlet** SAMPLE SOURCE

**2/19/87** DATE SAMPLED

PRODUCED  SUPPLY  WATERFLOOD  SALT WATER DISPOSAL

**WATER ANALYSIS PATTERN**

(NUMBER BESIDE ION SYMBOL INDICATES me/l\* SCALE UNIT)

Na <sup>+</sup> 20	15	10	5	0	5	10	15	20 Cl <sup>-</sup>
Ca <sup>++</sup>								HCO <sub>3</sub> <sup>-</sup>
Mg <sup>++</sup>								SO <sub>4</sub> <sup>=</sup>
Fe <sup>+++</sup>								CO <sub>3</sub> <sup>=</sup>

**DISSOLVED SOLIDS**

CATIONS	me/l*	mg/l*
Total Hardness	88	
Calcium, Ca <sup>++</sup>	49.6	992
Magnesium, Mg <sup>++</sup>	38.4	468.48
Iron (Total) Fe <sup>+++</sup>		10
Barium, Ba <sup>++</sup>		
Sodium, Na <sup>+</sup> (calc.)	294.13	6764.99

**DISSOLVED GASES**

Hydrogen Sulfide, H <sub>2</sub> S	mg/l*
Carbon Dioxide, CO <sub>2</sub>	mg/l*
Oxygen, O <sub>2</sub>	mg/l*

**PHYSICAL PROPERTIES**

pH	7.1
Eh (Redox Potential)	MV
Specific Gravity	
Turbidity, JTU Units	
Total Dissolved Solids (calc.)	26295 mg/l*
Stability Index	F
CaSO <sub>4</sub> Solubility	F
Max. CaSO <sub>4</sub> Possible (calc.)	mg/l*
Max. BaSO <sub>4</sub> Possible (calc.)	mg/l*
Residual Hydrocarbons	ppm (Vol Vol)

ANIONS	me/l*	mg/l*
Chloride, Cl <sup>-</sup>	371.83	13200
Sulfate, SO <sub>4</sub> <sup>=</sup>	87.5	4200
Carbonate, CO <sub>3</sub> <sup>=</sup>	0	0
Bicarbonate, HCO <sub>3</sub> <sup>-</sup>	10.8	658.8
Hydroxyl, OH <sup>-</sup>	0	0
Sulfide, S <sup>=</sup>	0	0

**SUSPENDED SOLIDS (QUALITATIVE)**

Iron Sulfide  Iron Oxide  Calcium Carbonate  Acid Insoluble

\* NOTE: me/l and mg/l are commonly used interchangeably for epm and ppm respectively. Where epm and ppm are used, corrections should be made for specific gravity.

**REMARKS AND RECOMMENDATIONS:**

**ETC ENGINEER** Patrick O'Rourke **DIST. NO.** 810 **ADDRESS** Evanston, Wy. **OFFICE PHONE** (307) 789-1355 **HOME PHONE** 789-6541

**ANALYZED** DATE \_\_\_\_\_ **DISTRIBUTION**  CUSTOMER  AREA OR  DISTRICT OFFICE  ETC ENGINEER OR  ETC LAB  ETC SALES SUPERVISOR

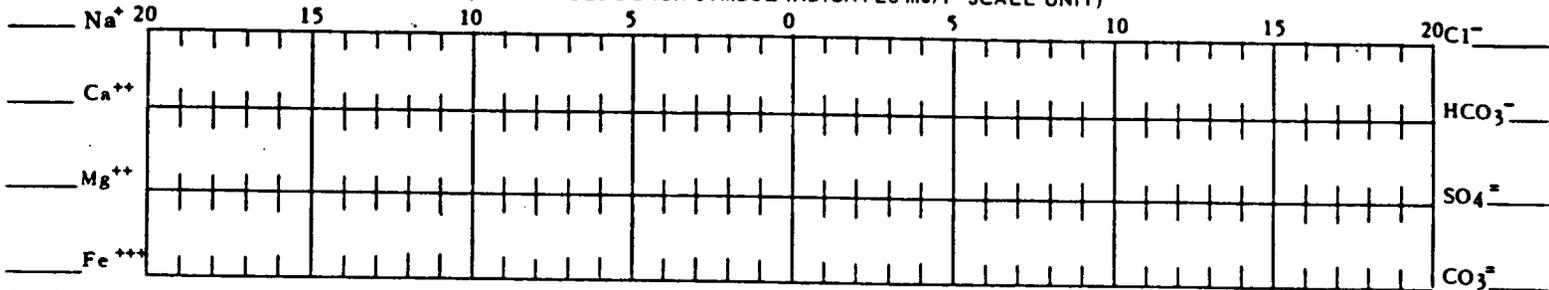
**BAROID TREATING CHEMICALS** **WATER ANALYSIS REPORT**

**REC'D**  
**APR 10 1987**

COMPANY <b>CHAMPLIN PETROLEUM COMPANY</b>			DIVISION OF <b>OIL, GAS &amp; MINING</b>			SHEET NUMBER
FIELD <b>PINEVIEW</b>			COUNTY OR PARISH <b>SUMMIT</b>			DATE <b>4/6/87</b>
LEASE OR UNIT <b>LODGEPOLE</b>		WELL(S) NAME OR NO. <b>Judd 34-2</b>		WATER SOURCE (FORMATION) <b>Co-mingled</b>		STATE <b>UTAH</b>
DEPTH. FT.	BHT. F	SAMPLE SOURCE	TEMP. F	WATER, BBL/DAY	OIL, BBL/DAY	GAS, MMCF/DAY
DATE SAMPLED <b>4/2/87</b>		TYPE OF WATER <input checked="" type="checkbox"/> PRODUCED <input type="checkbox"/> SUPPLY <input type="checkbox"/> WATERFLOOD <input checked="" type="checkbox"/> SALT WATER DISPOSAL				

**WATER ANALYSIS PATTERN**

(NUMBER BESIDE ION SYMBOL INDICATES me/l\* SCALE UNIT)



**DISSOLVED SOLIDS**

CATIONS	me/l*	mg/l*
Total Hardness	36.7	--
Calcium, Ca <sup>++</sup>	26.7	534.0
Magnesium, Mg <sup>++</sup>	10.0	122.0
Iron (Total) Fe <sup>+++</sup>	0.7	12.5
Barium, Ba <sup>++</sup>	0	0
Sodium, Na <sup>+</sup> (calc.)	478.0	10,994.0

**DISSOLVED GASES**

Hydrogen Sulfide, H <sub>2</sub> S	_____ mg/l*
Carbon Dioxide, CO <sub>2</sub>	_____ mg/l*
Oxygen, O <sub>2</sub>	_____ mg/l*

ANIONS	me/l*	mg/l*
Chloride, Cl <sup>-</sup>	504.2	17,900.0
Sulfate, SO <sub>4</sub> <sup>=</sup>	0	0
Carbonate, CO <sub>3</sub> <sup>=</sup>	0	0
Bicarbonate, HCO <sub>3</sub> <sup>-</sup>	11.2	683.2
Hydroxyl, OH <sup>-</sup>	0	0
Sulfide, S <sup>=</sup>	trace	0.4

**PHYSICAL PROPERTIES**

pH	6.9
Eh (Redox Potential)	_____ MV
Specific Gravity	_____
Turbidity, JTU Units	_____
Total Dissolved Solids (calc.)	30,246.1 mg/l*
Stability Index @ ___ F	_____
@ ___ F	_____
CaSO <sub>4</sub> Solubility @ ___ F	_____ mg/l*
@ ___ F	_____ mg/l*
Max. CaSO <sub>4</sub> Possible (calc.)	_____ mg/l*
Max. BaSO <sub>4</sub> Possible (calc.)	_____ mg/l*
Residual Hydrocarbons	_____ ppm(Vol/Vol)

**SUSPENDED SOLIDS (QUALITATIVE)**

Iron Sulfide     Iron Oxide     Calcium Carbonate     Acid Insoluble

**REMARKS AND RECOMMENDATIONS:**

\*NOTE: me/l and mg/l are commonly used interchangeably for epm and ppm respectively. Where epm and ppm are used, corrections should be made for specific gravity.

BTC ENGINEER <b>Pat O'Rourke</b>	DIST. NO. <b>810</b>	ADDRESS <b>Rock Springs</b>	OFFICE PHONE <b>382-3466</b>	HOME PHONE
ANALYZED	DATE	DISTRIBUTION <input type="checkbox"/> CUSTOMER <input type="checkbox"/> AREA OR <input type="checkbox"/> DISTRICT OFFICE <input type="checkbox"/> BTC ENGINEER OR <input type="checkbox"/> BTC LAB <input type="checkbox"/> BTC SALES SUPERVISOR		

UIC



# Union Pacific Resources

A Subsidiary of Union Pacific Corporation

May 22, 1987

RECEIVED  
MAY 22 1987

STATE OF UTAH  
DIV OF OIL GAS & MINING  
355 W NORTH TEMPLE  
3 TRIAD CENTER STE 350  
SALT LAKE CITY UT  
84180

DIVISION OF  
OIL, GAS & MINING

RE: Corporate Name Change

Effective May 11, 1987, ~~Champlin Petroleum Company (Champlin)~~ changed its name to Union Pacific Resources Company (UPRC) to better identify Champlin with its parent company, Union Pacific Corporation.

Henceforth, all activities formerly conducted under the name Champlin will continue without interruption under the name UPRC.

Remittance addresses, telephone numbers, lockboxes, and bank accounts will not be affected as a result of this name change. Our federal tax identification number (73-0739973) will not be changed. Therefore, it will not be necessary to suspend any payments due UPRC and UPRC hereby requests that all payments formerly made in the name of Champlin be paid, without interruption, to UPRC. It is understood that UPRC will indemnify and hold you harmless from any claims or liability arising out of your reliance on this letter. Similarly, invoices and billings for goods and services provided should be directed to UPRC utilizing previous Champlin addresses.

It is requested that you please update your records to reflect this change. If you have any questions regarding this name change, please contact:

Union Pacific Resources Company  
P.O. Box 7, MS 3306  
Fort Worth, Texas 76101-0007  
Attn: Ms. Martha Chitwood

Thank you for your cooperation.

Very truly yours,

UNION PACIFIC RESOURCES COMPANY

By *Robert S. Jackson*

Vice President Finance

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

SUBM. TRIPPLICATE\*  
(Other instructions on reverse side)

<p><b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (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>		<p>5. LEASE DESIGNATION AND SERIAL NO.</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>UNIT AGREEMENT NAME</p>
<p>1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Saltwater Disposal</p>	<p>MAR 11 1988</p>	<p>831501</p>
<p>2. NAME OF OPERATOR UNION PACIFIC RESOURCES COMPANY</p>		<p>8. FARM OR LEASE NAME</p>
<p>3. ADDRESS OF OPERATOR P.O. Box 700 Rock Springs, WY 82902-0700</p>		<p>9. WELL NO. See Below</p>
<p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface</p>		<p>10. FIELD AND POOL, OR WILDCAT Pineview-Stump (SWD)</p>
<p>14. PERMIT NO.</p>		<p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA See Below</p>
<p>15. ELEVATIONS (Show whether DF, RT, OR, etc.)</p>		<p>12. COUNTY OR PARISH Summit</p>
		<p>13. STATE Utah</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 type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Change of Status</u>	<input checked="" 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 following wells, with the exception of UPRR 15-1, were shut-in February 24, 1988 to reduce disposal volumes into the overpressured Stump reservoir. The UPRR 15-1 was shut-in March 4, 1988. The wells will remain in a shut-in status and will only be utilized in emergency situations.

Well Name	Location
UPRR 3-5	SESW Sec. 3, T2N, R7E 43-043-30035 SWW
UPRR 11-1	NWNW Sec. 11, T2N, R7E 43-043-30027 W1W
UPRR 15-1	NENW Sec. 15, T2N, R7E 43-043-30080 W1W
Boyer 34-1	SESW Sec. 34, T2N, R7E 43-043-30034 W1W
Bingham 10-3	SESW Sec. 10, T2N, R7E 43-043-30097 W1W

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

SIGNED Keith J. Nosich TITLE Petroleum Engineer DATE 3/8/88

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

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

SUBMIT TRIPLICATE\*  
(Other instructions on reverse side)

14

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 Water Disposal Well

2. NAME OF OPERATOR  
UNION PACIFIC RESOURCES COMPANY

3. ADDRESS OF OPERATOR  
P.O. Box 700, Rock Springs, WY 82902

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\* See also space 17 below.)  
At surface  
1980'FWL & 859' FSL SE SW

14. PERMIT NO.  
43-043-30034

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
6740'GR 6757' KB

RECEIVED  
FEB 13 1989  
DIVISION OF  
OIL, GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.  
FEE

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Boyer

9. WELL NO.  
34-1

10. FIELD AND POOL, OR WILDCAT  
Pineview

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec 34, T3N, R7E

12. COUNTY OR PARISH  
Summit

18. STATE  
Utah

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

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

Injection ceased into the above mentioned well on January 27, 1989. The well will remain shut-in and used to monitor Stump formation pressure.

RECEIVED  
FEB 13 1989  
DIVISION OF  
OIL, GAS & MINING

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

SIGNED J.B. Arkenberg TITLE Production Engineer DATE Feb 12, 1989

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:



**Union Pacific  
Resources**

A Subsidiary of Union Pacific Corporation

September 12, 1989

**RECEIVED**  
SEP 14 1989

**DIVISION OF  
OIL, GAS & MINING**

State of Utah  
Division of Oil, Gas and Mining  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

Attention: Mr. Gil Hunt

RE: Request for Administrative Approval to convert the Boyer 34-1 well to a Nugget saltwater disposal well, 1980 FWL, 859' FSL Sec. 34, T3N, R7E Summit County, Utah

43-043-30034

Dear Mr. Hunt:

Union Pacific Resources Company hereby requests approval to convert the Boyer 34-1 Stump saltwater disposal well to a Nugget formation saltwater disposal well. The subject well was spudded in January of 1977 and completed during April of the same year. The well produced 13.8 MBO from the Twin Creek before watering out. The Nugget and Twin Creek zones have been thoroughly tested. Log analysis of the uphole Stump, Kelvin and Wanship formations indicated no further production potential. Two Nugget disposal wells, UPRR 5-1, and Clark 4-1 are in operation at Pineview.

As required under R615-5-1 and R615-5-2, UPRC hereby submits the attached information. A copy of this application has been forwarded to all working interest owners, surface owners, and operators within a one-half mile radius of the Boyer #34-1 well.

Very truly yours,

Ted D. Brown  
Petroleum Engineer

Attachments

Union Pacific Resources Company  
P.O. Box 7  
Fort Worth, Texas 76101-0007  
817 / 877-6000  
TWX 910 893 5024  
Telex 758-447

RULE R615-5-1

- 2.1 UNION PACIFIC RESOURCES COMPANY  
P.O. Box 7  
Fort Worth, Texas 76101
- 2.2 See Attached (Exhibit A)
- 2.3 The Boyer 34-1 is presently a saltwater disposal well injecting produced water into the Stump formation from 6784 - 6916' KB. It is proposed to squeeze the Stump perforations and deepen the well to 10750', perforate the Nugget formation from 10530' to 10694' gross interval and put the well on injection. The project is for produced water disposal only.
- 2.4 The Boyer 34-1 had produced 13.8 MBO, 11.8 MMCFG, and 7.5 MBW from the Twin Creek formation from 10,384 to 9586' gross interval. The zone was abandoned and the well converted to a produced water injection well in the Stump formation from 6784-6916 ft. in April 1981.
- 2.5 Produced water will be disposed of into the Nugget formation. The Nugget formation is a sandstone. The Nugget top is 10,504 Ft. MD, 10,461' TVD. The well TD'd in the Nugget at 10,826'. Nugget formation TDS is 39,000 mg/l.
- 2.6 All electrical, acoustic, and radioactive logs are on file with the State of Utah Board of Oil, Gas, and Mining.
- 2.7 The disposal fluid will consist of saltwater produced in the Pineview and North Pineview fields. The saltwater is produced from the Nugget, Twin Creek, Stump, and Frontier formations. The maximum estimated amount of water to be injected daily is 12,000 BWPD with an average volume of 6000 BWPD.
- 2.8 See attached Exhibit B.
- 2.9 Union Pacific Resources Company hereby certifies that a copy of this application required under Rule R615-5-1 and R615-5-2 has been sent to all operators, owners, and surface owners within one-half mile radius of subject well.

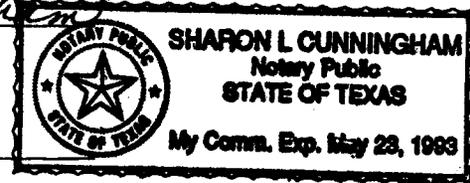
Before me, SHARON L. CUNNINGHAM, a notary public  
in and for TARRANT county, State of Texas, personally  
appeared TED D. BROWN and he being duly sworn by  
me upon his oath, says that the facts alleged in the foregoing  
instrument are true.

WITNESS MY HAND AND OFFICIAL SEAL

Sharon L. Cunningham  
NOTARY PUBLIC

My commission expires:

May 23, 1993



RULE R 615-5-2

- 2.0 Attached.
- 2.1 See Exhibit A.
- 2.2 All electrical, acoustic, and radioactive logs are on file with the State of Utah Board of Oil, Gas, and Mining.
- 2.3 The cement bond log should be on file with the State of Utah.
- 2.4 Please reference the above logs. If you should require further information, log copies can be forwarded to your office.
- 2.5 The existing casing program is illustrated on the attached wellbore diagrams. As shown, the casing program consists of:

7" 23# & 26# N-80 & S-95 0-10826'

The casing will be tested to a pressure of 1000 psi as outlined in R615-5-5 (2) covering the testing of an existing well newly converted to an injection well. The well will be monitored according to R615-5-5 (3.0 - 3.4).

- 2.6 The disposal fluid will consist of saltwater produced in the Pineview and North Pineview Fields. The saltwater is produced from the Nugget, Twin Creek, Stump, and Frontier formations. The maximum estimated amount of water to be injected daily is 12,000 BWPD with an average volume of 6000 BWPD.
- 2.7 A standard laboratory water analysis of saltwater from each producing formation, the proposed disposal formation, and a combined saltwater stream with all producing formations is attached.
- 2.8 Average proposed injection pressure = 2100 psi  
Maximum proposed injection pressure = 2500 psi
- 2.9 Fracture gradients .86 psi/ft (Bingham 2-1A Nugget frac and Bingham 2-3 Nugget acid job)
  - Disposal volume - 12,000 BWPD maximum, 6000 BWPD avg.
  - SG of Water - 1.0325
  - Surface Pressure - 2500 psi maximum
  - Average Nugget Depth - 10,636'
  - Tubing setting depth - 10,450' (3 1/2" internally plastic coated)
- A. Fracture pressure at Nugget formation  
10,636' (.86 psi/ft) = 9147 psi
- B. Injection pressure at Nugget formation (6000 BWPD average)

Injection pressure - Surface injection pressure +  
Hydrostatic pressure - Friction  
pressure  
- 2500 + (.433) (1.0325) (10,636) -  
324 = 6931 psi

C. 9147 - 6931 = 2216 psi below fracture pressure

Therefore, the proposed injection pressure will not initiate fractures through the overlying strata that could enable the disposal well to contaminate a fresh water aquifer. The pumps are equipped with high pressure shutdowns and the wells are monitored daily to ensure the maximum pressure is not exceeded.

2.10

Nugget information

Top: 10504' MD, 10461' TVD

Lithology: Sandstone

Thickness: 10504' - 10850' (This is all that was penetrated)

Lateral extent: Fault located +/- 500' to North of Boyce 34-1  
+/-6900' to the Southeast. No control to  
determine faulting on West side of field.  
Existing data indicates no fault within 10,000'  
to the West. Present over entire field.

Confining Beds: Twin Creek

Top: 9139

Lithology: Limestone

Thickness: 9139 - 10504' (1365' thick)

Lateral Extent: Identical to Nugget. Present over entire field.

Confining Beds: Preuss Salt

Top: 8823'

Lithology: Salt

Thickness: 8823 - 9008' (185' thick)

Lateral Extent: Present over entire field.

Confining Beds: Preuss

Top: 7493'

Lithology: Siltstone and shales

Thickness: 7493 - 8823' (1330 thick)

Lateral Extent: Present over entire field.

Confining Beds: Stump

Top: 6992'

Lithology: Sandstone and shale

Thickness: 6992 - 7493' (501' thick)

Lateral Extent: Faulted 1200' to Northeast & 800' to Southwest.  
Present over entire field.

Confining Beds: Morrison  
Top: 6648'  
Lithology: Sandstone, shale, siltstone  
Thickness: 6648 - 6992' (344' thick)  
Lateral Extent: Present over entire field.

2.11 Attachments - Mechanical condition of offsetting wellbores.

The mechanical condition of all wellbores within one-half mile radius are illustrated in the attached diagrams. The affected wells include the following:

<u>WELL NAME</u>	<u>LOCATION</u>
McDonald #1 31-3	440' FNL, 1980' FEL Sec. 3, T2N, R7E

The Hamon-Boyer 34-2 located 500' FSL, 500' FWL, Sec. 34, T3N, R7E, penetrated only the Stump formation with a TD of 6803'. This wellbore is a minimum of 3500' above the proposed Nugget injection zone.

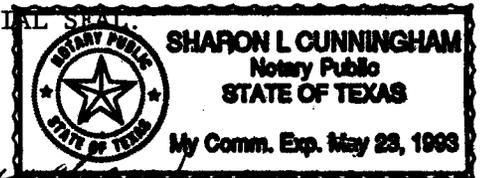
In all cases, adequate isolation exists to prevent fluid migration into improper intervals.

2.12 UPRC hereby certifies that a copy of the Application for Injection Well has been sent to the surface owners, lease owners, and operators within 1/2 mile radius of the proposed well.

Before me, SHARON L. CUNNINGHAM Notary Public in and for  
TARRANT County, State of Texas, personally appeared  
TED D. BROWN and he being first duly sworn by me upon his oath, says that the facts alleged in the foregoing instrument are true.

WITNESS MY HAND AND OFFICIAL SEAL

Sharon L. Cunningham  
Notary Public



My commission expires: May 23, 1993



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Norman H. Bangertter

Governor

Dee C. Hansen

Executive Director

Dianne R. Nielson, Ph.D.

Division Director

355 West North Temple

3 Triad Center, Suite 350

Salt Lake City, Utah 84180-1203

801-538-5340

September 27, 1989

Newspaper Agency Corporation  
Legal Advertising  
157 Regent Street  
Salt Lake City, Utah 84110

Gentlemen:

Re: Cause No. UIC-117

Enclosed is a Notice Action before the Division of Oil, Gas and Mining, Department of Natural Resources, State of Utah.

It is requested that this notice be published ONCE ONLY, as soon as possible.

Upon completion of this request, please send proof of publication and statement of cost to the Division of Oil, Gas and Mining, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City Utah 84180-1203

Sincerely,

A handwritten signature in cursive script that reads "Lisa Clement".

Lisa Clement  
Administrative Secretary

ldc  
Enclosure  
UI2/5



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Norman H. Bangertter

Governor

Dee C. Hansen

Executive Director

Dianne R. Nielson, Ph.D.

Division Director

355 West North Temple

3 Triad Center, Suite 350

Salt Lake City, Utah 84180-1203

801-538-5340

September 27, 1989

Summit County Bee  
20 North Main  
Coalville, Utah 84017

Gentlemen:

Re: Cause No. UIC-117

Enclosed is a Notice Action before the Division of Oil, Gas and Mining, Department of Natural Resources, State of Utah.

It is requested that this notice be published ONCE ONLY, as soon as possible.

Upon completion of this request, please send proof of publication and statement of cost to the Division of Oil, Gas and Mining, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City Utah 84180-1203

Sincerely,

A handwritten signature in cursive script that reads "Lisa Clement".

Lisa Clement  
Administrative Secretary

ldc  
Enclosure  
UI2/4

# PROOF OF PUBLICATION



STATE OF UTAH, }  
County of Summit, }ss.

I, Shirley B. Phelps

being first duly sworn, depose and say that I am the \_\_\_\_\_

bookkeeper of The Summit County Bee, a week-

ly newspaper of general circulation, published once each week at

Coalville, Utah, that the notice attached hereto and which is a

Notice of Agency Action

was published in said newspaper for 1 ~~con-~~

~~secutive~~ issues, the first publication having been made on the

6 day of October, 1989, and the last

~~on the~~ \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_\_, that said

notice was published in the regular and entire issue of every number

of the paper during the period and times of publication, and the same

was published in the newspaper proper and not in any supplement.

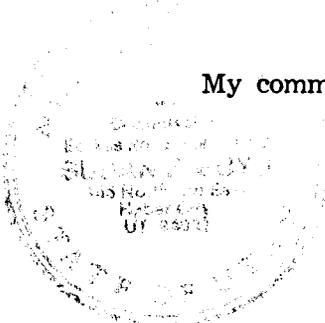
Shirley B. Phelps

Subscribed and sworn to before me this 6 day of

October, 1989.

Jessie L. Bueys  
Notary Public

My commission expires Nov 1, 1992.



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

IN THE MATTER OF THE AP-  
PLICATION OF UNION PACIFIC  
RESOURCES COMPANY FOR  
ADMINISTRATIVE APPROVAL  
OF THE BOYER 34-1 WELL LO-  
CATED IN SECTION 34, TOWN-  
SHIP 3 NORTH, RANGE 7  
EAST, S.L.M., SUMMIT  
COUNTY, UTAH, AS A CLASS  
II INJECTION WELL

NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-117

THE STATE OF UTAH TO  
ALL PERSONS INTERESTED IN  
THE ABOVE ENTITLED MAT-  
TER.

Notice is hereby given that the  
Division is commencing an infor-  
mal adjudicative proceeding to con-  
sider the application of Union Pa-  
cific Resources Company for ad-  
ministrative approval of the Boyer  
34-1 Well, located in Section 34,  
Township 3 North, Range 7 East  
SLM, Summit County, Utah, for  
conversion to Class II injection  
well. The proceeding will be con-  
ducted according to the provisions  
of the Administrative Procedures  
rules, R615-10.

The operating data for the well is  
as follows:

Injection Interval: Nugget  
Formation, 10530' to 10694'

Maximum Injection Rate/Surface  
Pressure: 12,000 bwpd @2500 psig

Administrative approval of this  
application will be granted unless  
an objection is filed within fifteen  
days after publication of this notice  
by any person authorized to partici-  
pate as a party in this adjudicative  
proceeding. If an objection is re-  
ceived by the Division, a formal  
adjudicative proceeding will be  
scheduled before the Board of Oil,  
Gas and Mining.

DATED this 26th day of  
September, 1989.

STATE OF UTAH  
DIVISION OF OIL, GAS AND  
MINING

R. J. Firth

Associate Director, Oil and Gas  
Published in the Summit County  
Bee October 6, 1989

UIC CHECKLIST FOR APPLICATION APPROVAL

received Sept. 14, 1989

SESW Nugget Disposal 10530-10694

OPERATOR Union Pacific Resources WELL NUMBER Bayer 34-1

SEC. 34 T. 3N R. 7E COUNTY Summit

API # 43-043-30034

NEW WELL \_\_\_\_\_ DISPOSAL WELL  ENHANCED RECOVERY WELL \_\_\_\_\_

- |                                  |   |          |
|----------------------------------|---|----------|
| - Plat showing surface ownership | Yes <input checked="" type="checkbox"/> | No _____ |
| - Application forms complete     | Yes <input checked="" type="checkbox"/> | No _____ |
| - Schematic of well bore         | Yes <input checked="" type="checkbox"/> | No _____ |
| - Adequate geologic information  | Yes <input checked="" type="checkbox"/> | No _____ |
| - Rate and Pressure information  | Yes <input checked="" type="checkbox"/> | No _____ |
| - Fluid source                   | Yes <input checked="" type="checkbox"/> | No _____ |
| - Analysis of formation fluid    | Yes <input checked="" type="checkbox"/> | No _____ |
| - Analysis of injection fluid    | Yes <input checked="" type="checkbox"/> | No _____ |
| - USDW information               | Yes <input checked="" type="checkbox"/> | No _____ |
| - Mechanical integrity test      | Yes <input checked="" type="checkbox"/> | No _____ |

Comments: 12000 BW P.?

Spoke with Ted Braun - UPRC compy engineer  
about having to plug the McDonald well prior  
to injecting into 34-1. Also the volume of  
water may have to be limited depending on  
injectivity tests.

Reveiwed by D. J. [Signature] 7/27/89



DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING  
PRODUCTION REPORT  
\*\*\*\*\* JUNE 1989 \*\*\*\*\*

DATE 09/08/89

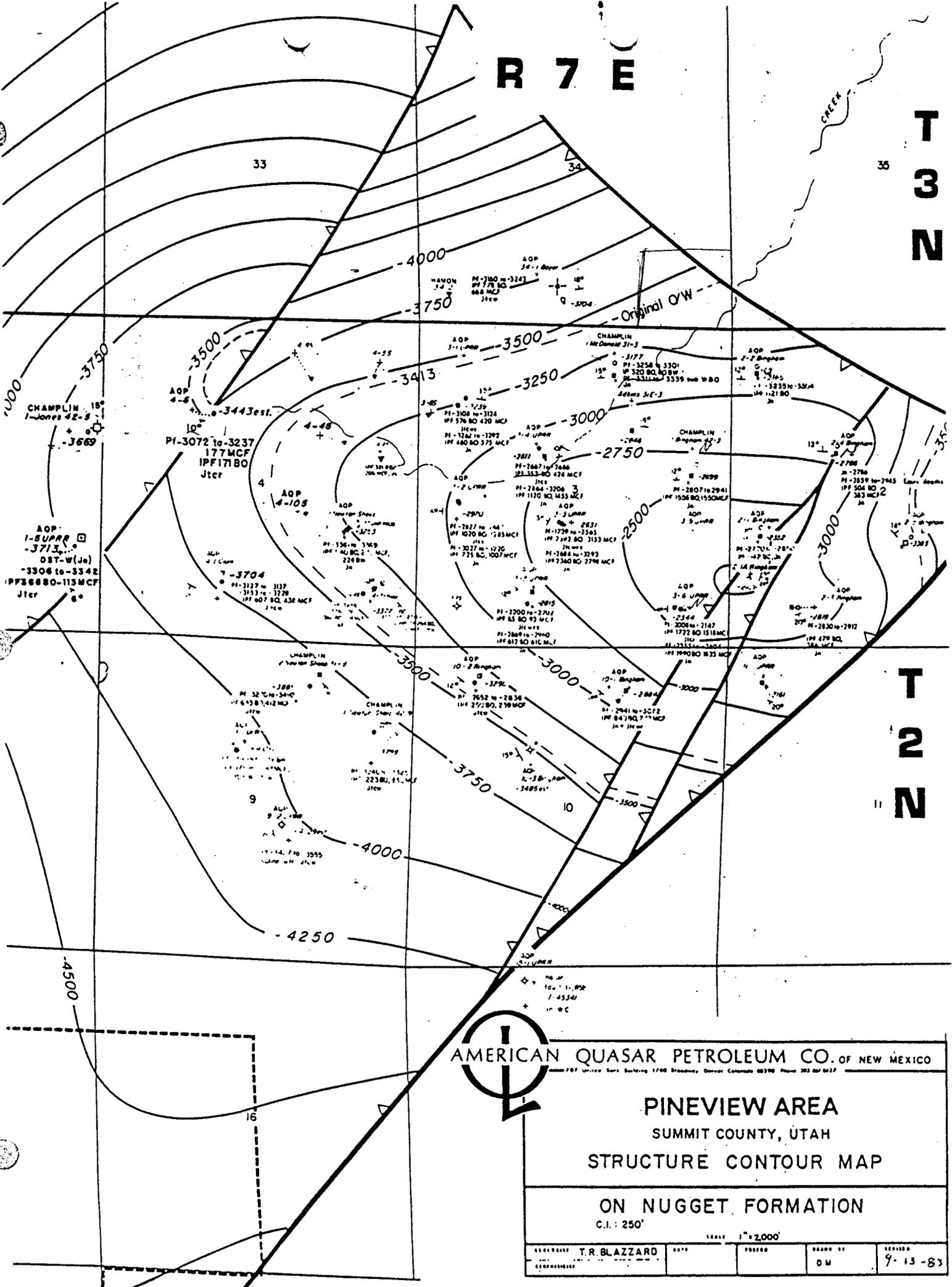
PAGE 3

THNSHP	RANGE	SEC	QTR	MD	API	ZONE	ENTITY	DAYS	PROD	MONTHLY	YEAR-TO-DATE	CUMULATIVE	
2	N	6	E	35	SENM S 43-043-30014	THMCR	2060	0		OIL (BBL) GAS (MCF) WATER (BBL)	0 0 0	0 0 0	45,880 0 3,867
OPERATOR: N9465 UNION PACIFIC RESOURCES CO WELL NAME: UPRR 35-1 FIELD: 535 LODGEPOLE													
2	N	7	E	2	MNMH S 43-043-30028	NGSD	2180	0		OIL (BBL) GAS (MCF) WATER (BBL)	0 0 0	1,383 1,823 0	189,655 224,781 1,266,751
OPERATOR: N9465 UNION PACIFIC RESOURCES CO WELL NAME: BINGHAM 2-2 FIELD: 535 PINEVIEW												* * * NO REPORT RECEIVED FOR THE CURRENT PERIOD * * *	
2	N	7	E	2	MNMH S 43-043-30028	HTCYM	2180	30		OIL (BBL) GAS (MCF) WATER (BBL)	1,373 2,047 153	7,090 9,465 1,440	31,465 43,636 4,817
OPERATOR: N9465 UNION PACIFIC RESOURCES CO WELL NAME: BINGHAM 2-2 FIELD: 535 PINEVIEW													
2	N	7	E	2	NMSW S 43-043-30026	NGSD	2170	30		OIL (BBL) GAS (MCF) WATER (BBL)	3,507 4,959 21,543	23,928 33,509 130,693	2,073,912 2,406,587 1,473,660
OPERATOR: N9465 UNION PACIFIC RESOURCES CO WELL NAME: BINGHAM 2-1 FIELD: 535 PINEVIEW													
2	N	7	E	2	SENM S 43-043-30038	NGSD	2190	30		OIL (BBL) GAS (MCF) WATER (BBL)	845 1,216 11,226	4,248 8,080 66,737	332,497 506,789 1,015,600
OPERATOR: N9465 UNION PACIFIC RESOURCES CO WELL NAME: BINGHAM 2-4 FIELD: 535 PINEVIEW													
2	N	7	E	2	SESM S 43-043-30033	NGSD	2185	30		OIL (BBL) GAS (MCF) WATER (BBL)	699 950 8,039	3,645 6,001 43,317	302,018 446,208 823,262
OPERATOR: N9465 UNION PACIFIC RESOURCES CO WELL NAME: BINGHAM 2-3 FIELD: 535 PINEVIEW													
2	N	7	E	2	SMSW S 43-043-30125	NGSD	2175	28		OIL (BBL) GAS (MCF) WATER (BBL)	5,434 7,012 15,466	35,880 44,784 113,288	1,151,422 1,329,292 1,159,670
OPERATOR: N9465 UNION PACIFIC RESOURCES CO WELL NAME: BINGHAM 2-1A FIELD: 535 PINEVIEW													
2	N	7	E	3	NESE S 43-043-30151	THMCR	2115	28		OIL (BBL) GAS (MCF) WATER (BBL)	5,206 10,010 69,165	33,041 55,481 424,181	665,123 1,020,878 4,132,160
OPERATOR: N9465 UNION PACIFIC RESOURCES CO WELL NAME: UPRR #3-9 FIELD: 535 PINEVIEW													
2	N	7	E	3	MNMH S 43-043-30012	STUMP	2080	30		OIL (BBL) GAS (MCF) WATER (BBL)	169 188 958	940 1,671 8,403	36,002 70,976 103,407
OPERATOR: N9465 UNION PACIFIC RESOURCES CO WELL NAME: UPRR 3-1 FIELD: 535 PINEVIEW													
2	N	7	E	3	NMSE S 43-043-30019	THMCR	2090	0		OIL (BBL) GAS (MCF) WATER (BBL)	0 0 0	3,754 6,777 2,320	1,954,597 2,442,505 336,086
OPERATOR: N9465 UNION PACIFIC RESOURCES CO WELL NAME: UPRR 3-3 FIELD: 535 PINEVIEW													
2	N	7	E	3	NMSW S 43-043-30015	THMCR	2085	30		OIL (BBL) GAS (MCF) WATER (BBL)	1,179 1,250 4,716	8,863 9,428 30,510	1,208,450 1,395,475 826,819
OPERATOR: N9465 UNION PACIFIC RESOURCES CO WELL NAME: UPRR 3-2 FIELD: 535 PINEVIEW													
2	N	7	E	3	SENE S 43-043-30029	NGSD	460	27		OIL (BBL) GAS (MCF) WATER (BBL)	3,113 5,050 41,358	19,571 32,697 237,129	2,905,989 3,386,078 5,389,587
OPERATOR: N9465 UNION PACIFIC RESOURCES CO WELL NAME: BINGHAM 1-42-3 (2-7) FIELD: 535 PINEVIEW													
2	N	7	E	3	SESE S 43-043-30036	NGSD	2105	30		OIL (BBL) GAS (MCF) WATER (BBL)	3,770 6,739 59,057	21,941 38,485 506,015	2,902,603 2,632,528 6,610,350
OPERATOR: N9465 UNION PACIFIC RESOURCES CO WELL NAME: UPRR 3-6 FIELD: 535 PINEVIEW													
2	N	7	E	3	SESE S 43-043-30036	THMCR	2105	30		OIL (BBL) GAS (MCF) WATER (BBL)	8,010 14,320 125,496	46,625 81,779 542,411	2,815,182 3,815,531 5,543,066
OPERATOR: N9465 UNION PACIFIC RESOURCES CO WELL NAME: UPRR 3-6 FIELD: 535 PINEVIEW													
2	N	7	E	3	SMNH S 43-043-30120	STUMP	2110	30		OIL (BBL) GAS (MCF) WATER (BBL)	338 409 1,915	2,362 3,226 16,390	343,393 397,471 234,678
OPERATOR: N9465 UNION PACIFIC RESOURCES CO WELL NAME: UPRR 3-8S FIELD: 535 PINEVIEW													
2	N	7	E	4	MENE S 43-043-30103	STUMP	2165	0		OIL (BBL) GAS (MCF) WATER (BBL)	0 0 0	0 0 0	290,497 459,916 42,925
OPERATOR: N9465 UNION PACIFIC RESOURCES CO WELL NAME: NEWTON SHEEP 4-55 FIELD: 535 PINEVIEW													
2	N	7	E	4	NESM S 43-043-30239	STUMP	2226	0		OIL (BBL) GAS (MCF) WATER (BBL)	0 0 0	0 0 0	8,017 13,120 30,692
OPERATOR: N9465 UNION PACIFIC RESOURCES CO WELL NAME: NEWTON SHEEP 4-11S FIELD: 535 PINEVIEW													
2	N	7	E	4	MNNE S 43-043-30115	STUMP	2145	0		OIL (BBL) GAS (MCF) WATER (BBL)	0 0 0	0 0 0	200,436 206,317 23,323
OPERATOR: N9465 UNION PACIFIC RESOURCES CO WELL NAME: STATE 4-8S FIELD: 535 PINEVIEW													
2	N	7	E	4	SENM S 43-043-30116	THCRI	2160	0		OIL (BBL) GAS (MCF) WATER (BBL)	0 0 0	1,237 1,992 14,265	202,721 263,292 329,765
OPERATOR: N9465 UNION PACIFIC RESOURCES CO WELL NAME: NEWTON SHEEP 4-6 FIELD: 535 PINEVIEW													
2	N	7	E	4	SESE S 43-043-30083	FRTR	2215	27		OIL (BBL) GAS (MCF) WATER (BBL)	402 636 7,638	2,639 4,781 54,251	142,659 151,680 1,380,280
OPERATOR: N9465 UNION PACIFIC RESOURCES CO WELL NAME: PINEVIEW 4-4S FIELD: 535 PINEVIEW													

R 7 E

T 3 N

T 2 N



AMERICAN QUASAR PETROLEUM CO. OF NEW MEXICO  
 707 United Bank Building 1700 Broadway, Denver, Colorado 80202 Phone 303 667 8137

**PINEVIEW AREA**  
 SUMMIT COUNTY, UTAH  
 STRUCTURE CONTOUR MAP

ON NUGGET FORMATION  
 C.I.: 250'

SCALE 1" = 2,000'

PREPARED BY	T.R. BLAZZARD	CHECKED BY	DM	DATE	9-13-83
-------------	---------------	------------	----	------	---------



T  
3  
N

1  
2  
N

35

Fay T & Donna W.  
Dearden

Bingham 2-2

2

John Adkins  
Jr.

Bingham #1 42-3  
Brad Lee Clark  
Arlo Woolsteanhulne  
Janet May Atkinson  
Carlos & Jean N Clark  
Richard Lynn Clark

BA Bingham & Sons Partnership

Bow Valley  
Development  
Corporation

McDonald #1 31-3

Adkins 31E-3

UPRR 3-3

R7E

34

Hamon Boyer  
34-2

Boyer 34-1 SWDW

Dwain & Margaret Louis Bowman

UPRR 3-1

3

UPRR 3-4

UPRR 3-2

Dwain & Margaret Louis Bowman

1/2 mile radius

UPRR 3-8

EDWARD L. GILLMOR

33

HAMON UPRR #1

NEWTON SHEEP  
4-5S  
BOW VALLEY DEV.  
CORP.

4

Pineview Field  
Summit County, Utah  
Proposed Boyer 34-1  
Salt Water Disposal Well  
1" = 1000'

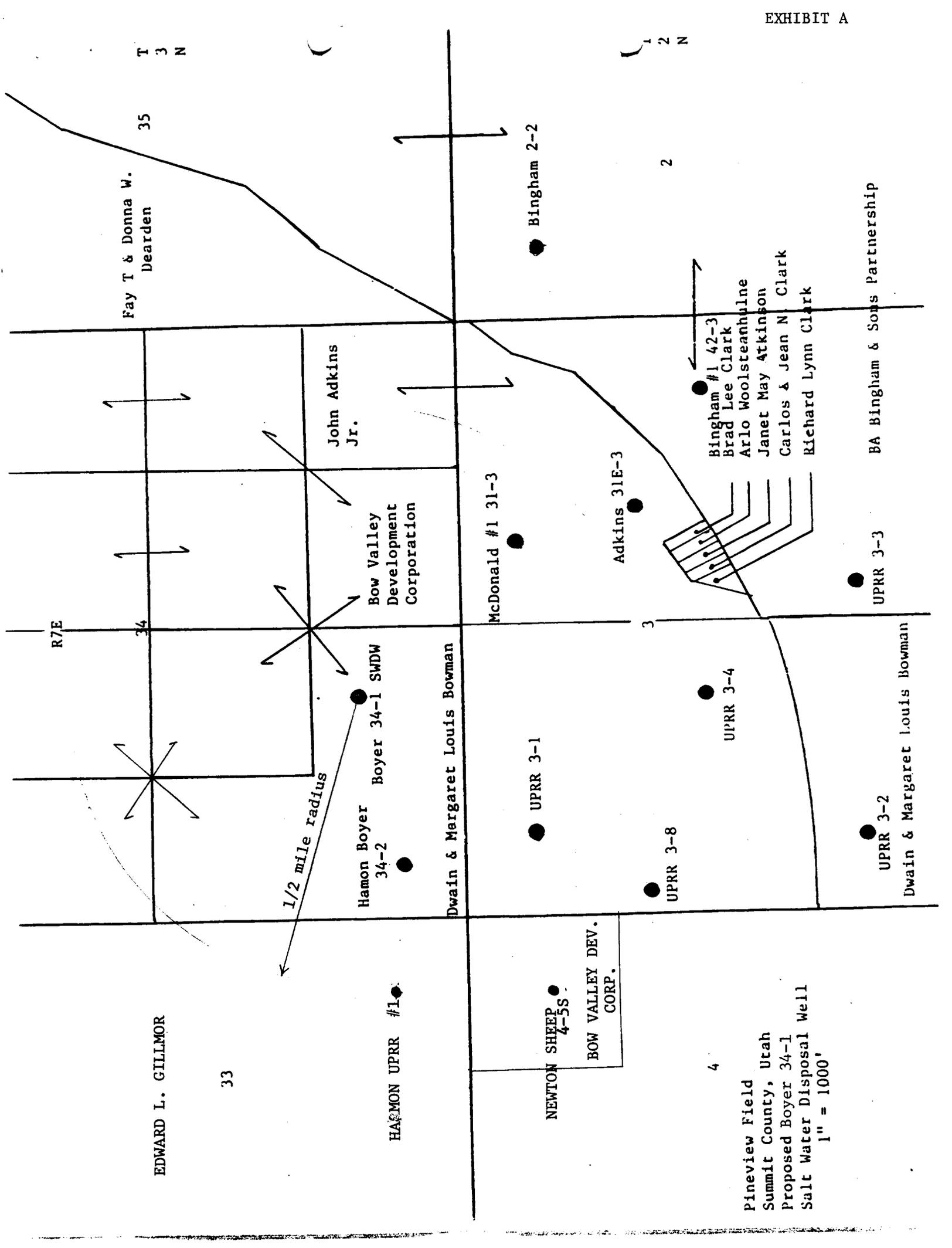


EXHIBIT B

OPERATORS:

UPRC  
P.O. Box 7  
Fort Worth, Texas 76101

HAMON OPERATING COMPANY  
8411 Preston Road  
800, LB 33  
Dallas, Texas 75225

EXHIBIT B

LEASE OWNERS:

Conquest Exploration Company  
4201 FM 1960W, Suite 500  
Houston, Texas 77068

Amoco Production Company  
P.O. Box 800  
Denver, Colorado 80201

North Central Oil Corporation  
6001 Savoy, Suite 600  
Houston, Texas 77306

Geodyne Resources, Inc.  
320 South Boston, The Mezzanine  
Tulsa, OK 74103-3708

ORYX  
P.O. Box 26300  
Oklahoma City, OK 73126-0300

EXHIBIT B

SURFACE OWNERS:

John Adkins, Jr.  
462 North Main  
Coalville, Utah 84017

Dwain & Margaret Louise Bowman  
3625 East Chalk Creek Road  
Coalville, Utah 84017

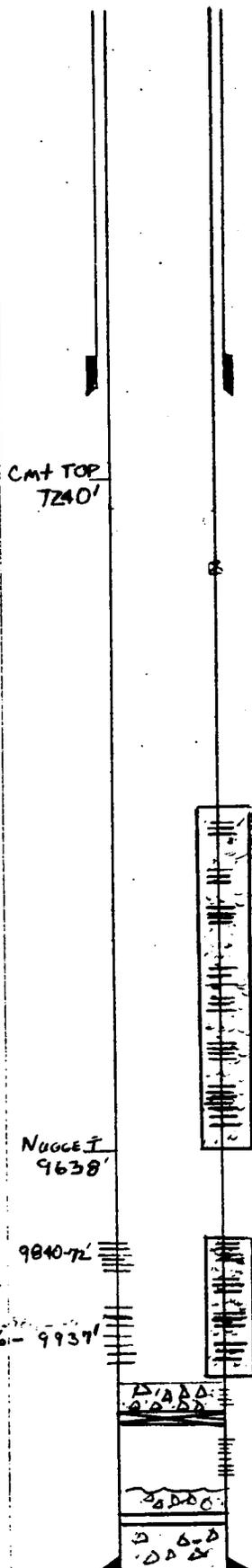
Bow Valley Development Corporation  
1675 North 200 West  
Provo, Utah 82601

Edward L. Gillmor  
3819 South 2000 East  
Holladay, Utah 84109



PRESENT WELLLOG

Location 440' FNL 1700' FEL S. 3 T. 2N R. 7E Well # McDonald #1 31-3  
 Co. Summit, State Utah API # \_\_\_\_\_ Field Pineview  
 Spud 1/12/76 Comp. 5/76 WI 1.00 RI .975 Lease UPRR  
 GR 6620' KB 6636' TD 10,200' PBDT 9945 Formation Nugget



9 5/8" 36# K-55 @ 2530'

TIFE Across Preuss

DV 8607'

9202-9229'

9235-9263

9263-9290'

Squeezed w/150 SX

9359-89'

9425-35'

9408-18'

9462-89'

9698-9948'

Squeezed w/500 SX

Squeezed w/250 SX

9842-9846'

9858-9865'

9876-9886'

9896-9937'

9947-9952'

2 SPF

2 SPF

2 SPF

2 SPF

2 SPF

Squeezer w/300 SX

7" CASING

0-564' 26# N-80 LTC

564-6451' 23# N-80 LTC

6451-6914' 26# N-80 LTC

6914-8618' 32# P-110 LTC

8618-10,200' 26# N-80 LTC

CIBF W/5' CMT AT 9985'

9947-10086'

10,006-10'

PBDT 10,075'

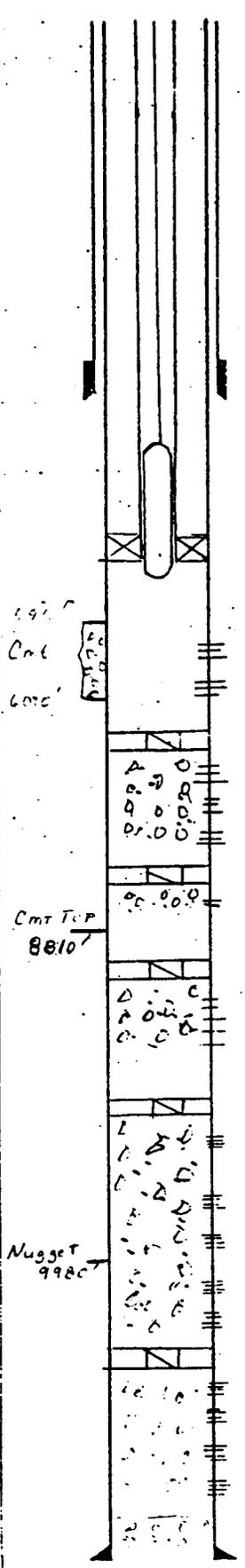
FC at 10,127'

10,200' TD

2 SPF

2 SPF

Location 535' FNL 2 'FSL S. 3 T. 2N R. 7E 11 # UPRR 3-1  
 Co. Summit, State Utah API # 43-043-30017 Field Pineview  
 Spud \_\_\_\_\_ Comp. \_\_\_\_\_ WI 20.625 RI 29.809 Lease UPRR  
 GR 6660 KB 6682 TD 10,312 PBD 6082 Formation STUMP



RODS
(2) 1" rods
(59) 7/8"
(167) 3/4"
(9) 7/8"
9 5/8" 36# @ 1951'
200 lbs 2 7/8" 154
TAB @ 6000' 1.50" RHBC pump
6029-37' 1 SPF
6049-63' 1 SPF
CICR @ 6082'
6089-93'
6122-31'
6139-44'
CICR @ 6200'
6250' squeeze perfs w/75 sx
CICR @ 9300' Squeezed w/100 sx
9387-9541' (gross)
CICR @ 9590' Squeezed w/175 sx
9620-50'
9851-65'
9990-95' Squeeze Perfs
10,006-036'
10,043-097'
CICR @ 10,052' Squeeze w/200 sx
10,412-067'
10,084-094'
10,110-116'
10,124-134'
PBD 10,142
TD, 10,312'

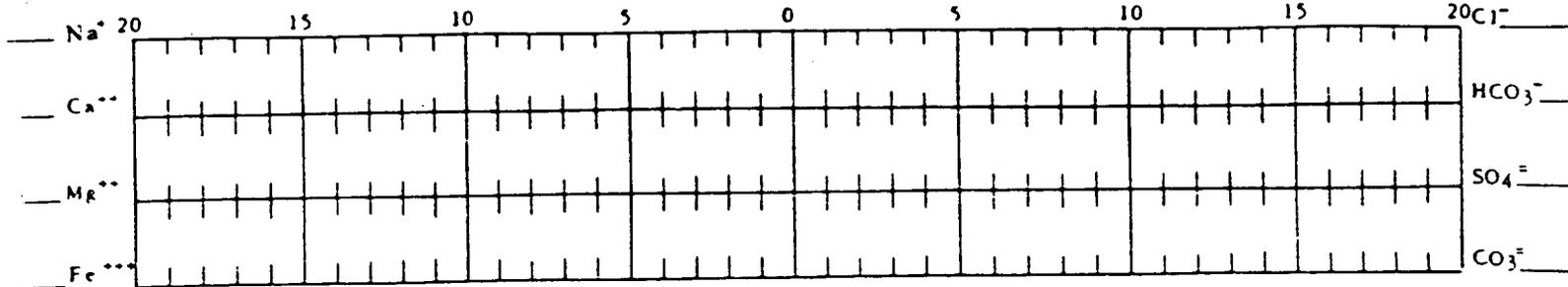
Cemented w/290 SX  
 7" 23,26929# S-95, K-55, N80  
 KJN 2-25-87

**BAROID TREATING CHEMICALS**

SHEET NUMBER						
DATE 2/19/87						
NAME Champlin Petroleum				COUNTY OR PARISH Summit		STATE Utah
ADDRESS Pineview			WELL(S) NAME OR NO.		WATER SOURCE INFORMATION	
WELL OR UNIT Transfer Plant		SAMPLE SOURCE Filter outlet		TEMP. F	WATER BE/DAY	OIL BE/DAY
DATE SAMPLED 2/19/87		TYPE OF WATER <input type="checkbox"/> PRODUCED <input type="checkbox"/> SUPPLY <input type="checkbox"/> WATERFLOOD <input checked="" type="checkbox"/> SALT WATER DISPOS				

**WATER ANALYSIS PATTERN**

(NUMBER BESIDE ION SYMBOL INDICATES me/l SCALE UNIT)



**DISSOLVED SOLIDS**

ATIONS	me/l*	mc/l*
Total Hardness	88	
Calcium, Ca <sup>++</sup>	49.6	992
Magnesium, Mg <sup>++</sup>	38.4	468.48
Iron (Total), Fe <sup>+++</sup>		10
Barium, Ba <sup>++</sup>		
Sodium, Na <sup>+</sup> (calc.)	294.13	6764.99

**DISSOLVED GASES**

Hydrogen Sulfide, H <sub>2</sub> S	mg/l*
Carbon Dioxide, CO <sub>2</sub>	mg/l*
Oxygen, O <sub>2</sub>	mg/l*

**PHYSICAL PROPERTIES**

pH	7.1
Eh (Redox Potential)	MV
Specific Gravity	
Turbidity, JTU Units	
Total Dissolved Solids (calc.)	26295 mg/l*
Stability Index	F
CaSO <sub>4</sub> Solubility	F
Max. CaSO <sub>4</sub> Possible (calc.)	mg/l*
Max. BaSO <sub>4</sub> Possible (calc.)	mg/l*
Residual Hydrocarbons	ppm/Vol

ANIONS	me/l*	mc/l*
Chloride, Cl <sup>-</sup>	371.83	13200
Sulfate, SO <sub>4</sub> <sup>=</sup>	87.5	4200
Carbonate, CO <sub>3</sub> <sup>=</sup>	0	0
Bicarbonate, HCO <sub>3</sub> <sup>=</sup>	10.8	658.8
Hydroxyl, OH <sup>-</sup>	0	0
Sulfide, S <sup>=</sup>	0	0

**UNSPENDED SOLIDS (QUALITATIVE)**

Iron Sulfide  Iron Oxide  Calcium Carbonate  Acid Insoluble

**REMARKS AND RECOMMENDATIONS:**

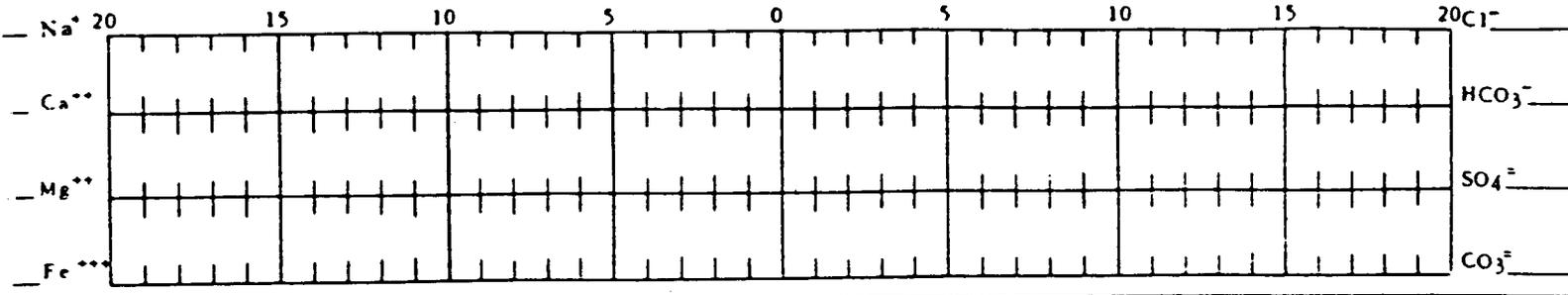
\* NOTE: me/l and mg/l are commonly used interchangeably for ppm and ppm respectively. Where ppm and ppm are used, corrections should be made for specific gravity.

ENGINEER Patrick O'Rourke	DIST. NO. 810	ADDRESS Evanston, Wy.	OFFICE PHONE (307) 789-1355	HOME PHONE 789-6541
ANALYZED	DATE	DISTRIBUTION <input type="checkbox"/> CUSTOMER <input type="checkbox"/> ENGINEER	<input type="checkbox"/> AREA OFFICE <input type="checkbox"/> ETC LAB	<input type="checkbox"/> DISTRICT OFFICE <input type="checkbox"/> ETC SALES SUPERVISOR

						SHEET NUMBER	
Champlin Petroleum						DATE 2/19/87	
Pineview				COUNTY OF PARISH Summit		STATE Utah	
WELL(S) NAME OR NO. 10-1			WATER SOURCE INFORMATION Twin Creek				
DEPTH, FT.	BHT, F	SAMPLE SOURCE Test treater	TEMP, F	WATER, EBL/DAY	OIL, EBL/DAY	GAS, MMCF/DAY	
SAMPLED 2/19/87		TYPE OF WATER <input checked="" type="checkbox"/> PRODUCED <input type="checkbox"/> SUPPLY <input type="checkbox"/> WATERFLOOD <input type="checkbox"/> SALT WATER DISPOSAL					

WATER ANALYSIS PATTERN

(NUMBER BESIDE ION SYMBOL INDICATES mg/l SCALE UNIT)



SOLVED SOLIDS

	me/l*	mc/l*
Calcium Hardness	122	1240
Calcium, Ca <sup>++</sup>	62	732
Magnesium, Mg <sup>++</sup>	60	75
Iron (Total), Fe <sup>+++</sup>	-	-
Boron, B <sup>+++</sup>	-	-
Sodium, Na <sup>+</sup> (calc.)	315.57	7258.11
Chloride, Cl <sup>-</sup>	512.68	18200
Sulfate, SO <sub>4</sub> <sup>=</sup>	33.33	1600
Carbonate, CO <sub>3</sub> <sup>=</sup>	0	0
Bicarbonate, HCO <sub>3</sub> <sup>-</sup>	13.56	826.9
Hydroxyl, OH <sup>-</sup>	0	0
Silica, Si <sup>=</sup>	0	0

DISSOLVED GASES

Hydrogen Sulfide, H <sub>2</sub> S	_____ mg/l*
Carbon Dioxide, CO <sub>2</sub>	_____ mg/l*
Oxygen, O <sub>2</sub>	_____ mg/l*

PHYSICAL PROPERTIES

pH	7.0
Eh (Redox Potential)	_____ MV
Specific Gravity	_____
Turbidity, JTU Units	_____
Total Dissolved Solids (calc.)	29932 mg/l*
Stability Index	€ ___ F _____
CaSO <sub>4</sub> Solubility	€ ___ F _____ mg/l*
	€ ___ F _____ mg/l*
Max. CaSO <sub>4</sub> Possible (calc.)	_____ mg/l*
Max. BaSO <sub>4</sub> Possible (calc.)	_____ mg/l*
Residual Hydrocarbons	_____ ppm(Vol/Vol)

UNDEPOSITED SOLIDS (QUALITATIVE)

Sulfide  Iron Oxide  Calcium Carbonate  Acid Insoluble

REMARKS AND RECOMMENDATIONS:

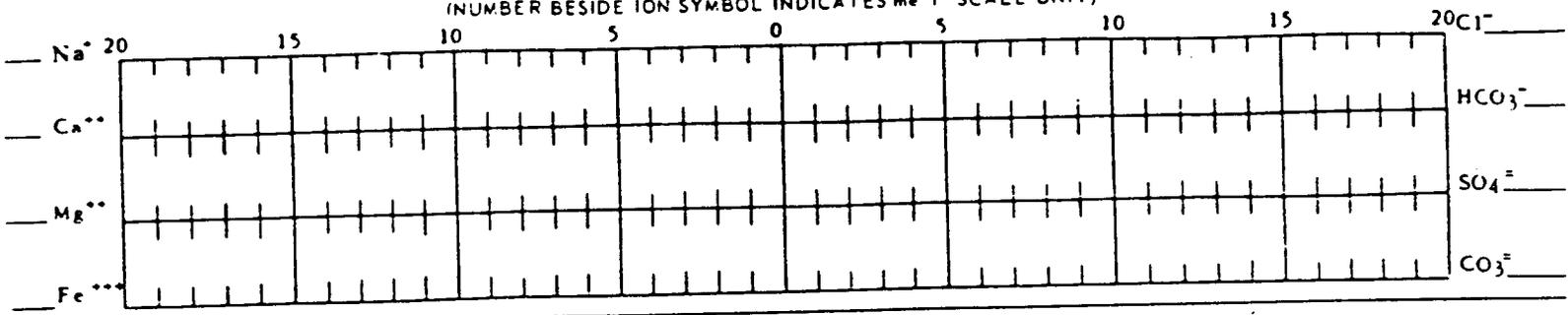
\* NOTE: me/l and mg/l are commonly used interchangeably for epm and ppm respectively. Where epm and ppm are used, corrections should be made for specific gravity.

ENGINEER Patrick O'Rourke	DEST. NO. 810	ADDRESS Evanston, Wyo.	OFFICE PHONE (307) 789-1355	HOME PHONE 789-6541
ANALYZED	DATE	DISTRIBUTION	<input type="checkbox"/> CUSTOMER <input type="checkbox"/> AREA CH <input type="checkbox"/> DISTRICT OFFICE <input type="checkbox"/> ENG. ENGINEER OF <input type="checkbox"/> ETC LAB <input type="checkbox"/> ETC SALES SUPERVISOR	

**JAR ID TREATING CHEMICALS**

						SHEET NUMBER	
Champlin Petroleum						DATE 2/19/87	
Pineview				COUNTY OR PARISH Summit		STATE Utah	
WELL NAME OR NO. 4-4		WATER SOURCE INFORMATION Frontier					
WATER, BBL/DAY	OIL, BBL/DAY	SAMPLE SOURCE Treater		TEMP, F	GAS, MCF/DAY		
DATE SAMPLED 2/19/87		TYPE OF WATER <input checked="" type="checkbox"/> PRODUCED <input type="checkbox"/> SUPPLY <input type="checkbox"/> WATERFLOOD <input type="checkbox"/> SALT WATER DISPOSAL					

**WATER ANALYSIS PATTERN**  
 (NUMBER BESIDE ION SYMBOL INDICATES me/l SCALE UNIT)



**DISSOLVED SOLIDS**

	me/l*	mg/l*
Calcium Hardness	10	-
Calcium, Ca <sup>++</sup>	8	160
Magnesium, Mg <sup>++</sup>	2	24.4
Iron (Total), Fe <sup>+++</sup>	-	5
Barium, Ba <sup>++</sup>	-	-
Sodium, Na <sup>+</sup> (calc.)	82.99	1908.77
<b>ANIONS</b>		
Chloride, Cl <sup>-</sup>	92.39	3280
Sulfate, SO <sub>4</sub> <sup>=</sup>	1.77	85
Carbonate, CO <sub>3</sub> <sup>=</sup>	1.6	48
Bicarbonate, HCO <sub>3</sub> <sup>=</sup>	7.2	439.2
Hydroxyl, OH <sup>-</sup>	0	0
Sulfide, S <sup>=</sup>	.03	.5

**DISSOLVED GASES**

Hydrogen Sulfide, H <sub>2</sub> S	.53 mg/l*
Carbon Dioxide, CO <sub>2</sub>	mg/l*
Oxygen, O <sub>2</sub>	mg/l*

**PHYSICAL PROPERTIES**

pH	7.6
Eh (Redox Potential)	MV
Specific Gravity	
Turbidity, JTU Units	
Total Dissolved Solids (calc.)	5951 mg/l*
Stability Index @ F	
CaSO <sub>4</sub> Solubility @ F	mg/l*
Max. CaSO <sub>4</sub> Possible (calc.)	mg/l*
Max. BaSO <sub>4</sub> Possible (calc.)	mg/l*
Residual Hydrocarbons	ppm Vol/V

**UNSPENDED SOLIDS (QUALITATIVE)**

Iron Sulfide     Iron Oxide     Calcium Carbonate     Acid Insoluble

**REMARKS AND RECOMMENDATIONS:**

\*NOTE: me/l and mg/l are commonly used interchangeably for ppm and ppm respectively. Where ppm and ppm are used, corrections should be made for specific gravity.

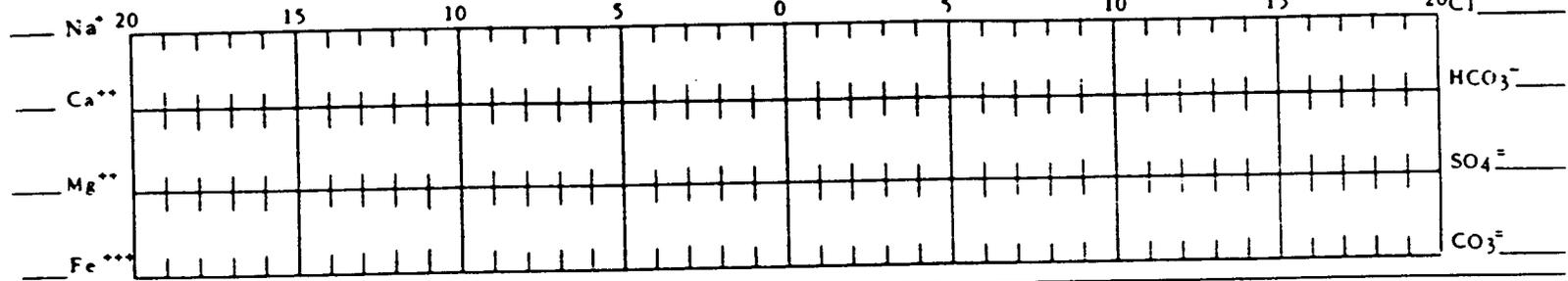
ENGINEER Patrick O'Rourke	WELL NO. 810	ADDRESS Evanston, Wyo.	OFFICE PHONE (307) 789-1355	HOME PHONE 789-654
DATE	DISTRIBUTION		AREA CH	
	<input type="checkbox"/> CUSTOMER <input type="checkbox"/> ENGINEER CH		<input type="checkbox"/> DISTRICT OFFICE <input type="checkbox"/> SALES SERVICE	

**BAROID TREATING CHEMICALS**

					SHEET NUMBER		
CLIENT <b>Champlin Petroleum</b>					DATE <b>3/9/87</b>		
WELL <b>Pineview</b>				COUNTY OR PARISH <b>Summit</b>		STATE <b>Utah</b>	
WELL NAME OR NO. <b>3-8</b>			WATER SOURCE INFORMATION <b>Stump</b>				
DEPTH, FT.	BHT, F	SAMPLE SOURCE <b>Wellhead</b>	TEMP, F	WATER, BBL/DAY	OIL, BBL/DAY	GAS, MMCF/DAY	
DATE SAMPLED <b>3/9/87</b>		TYPE OF WATER <input checked="" type="checkbox"/> PRODUCED <input type="checkbox"/> SUPPLY <input type="checkbox"/> WATERFLOOD <input type="checkbox"/> SALT WATER DISPOSAL					

**WATER ANALYSIS PATTERN**

(NUMBER BESIDE ION SYMBOL INDICATES mg/l SCALE UNIT)



**DISSOLVED SOLIDS**

	me/l <sup>*</sup>	mg/l <sup>*</sup>
Total Hardness	<u>4</u>	<u>16</u>
Calcium, Ca <sup>++</sup>	<u>.8</u>	<u>39.04</u>
Magnesium, Mg <sup>++</sup>	<u>3.2</u>	<u>5</u>
Iron (Total) Fe <sup>+++</sup>	<u>.27</u>	<u>0</u>
Barium, Ba <sup>++</sup>	<u>0</u>	<u>0</u>
Sodium, Na <sup>+</sup> (calc.)	<u>161.92</u>	<u>5748.04</u>

**DISSOLVED GASES**

Hydrogen Sulfide, H <sub>2</sub> S	_____ mg/l <sup>*</sup>
Carbon Dioxide, CO <sub>2</sub>	_____ mg/l <sup>*</sup>
Oxygen, O <sub>2</sub>	_____ mg/l <sup>*</sup>

	me/l <sup>*</sup>	mg/l <sup>*</sup>
Chloride, Cl <sup>-</sup>	<u>132.39</u>	<u>4700</u>
Sulfate, SO <sub>4</sub> <sup>=</sup>	<u>10.42</u>	<u>500</u>
Carbonate, CO <sub>3</sub> <sup>=</sup>	<u>0</u>	<u>0</u>
Bicarbonate, HCO <sub>3</sub> <sup>-</sup>	<u>8</u>	<u>488</u>
Hydroxyl, OH <sup>-</sup>	<u>0</u>	<u>0</u>
Sulfide, S <sup>=</sup>	<u>0</u>	<u>0</u>

**PHYSICAL PROPERTIES**

pH	<u>7.0</u>
Eh (Redox Potential)	_____ MV
Specific Gravity	_____
Turbidity, JTU Units	_____
Total Dissolved Solids (calc.)	_____ mg/l <sup>*</sup>
Stability Index @ ___ F	_____
CaSO <sub>4</sub> Solubility @ ___ F	_____ mg/l <sup>*</sup>
Max. CaSO <sub>4</sub> Possible (calc.)	_____ mg/l <sup>*</sup>
Max. BaSO <sub>4</sub> Possible (calc.)	_____ mg/l <sup>*</sup>
Residual Hydrocarbons	_____ ppm/Vol %Vc

**SUSPENDED SOLIDS (QUALITATIVE)**

- Iron Sulfide     Iron Oxide     Calcium Carbonate     Acid Insoluble

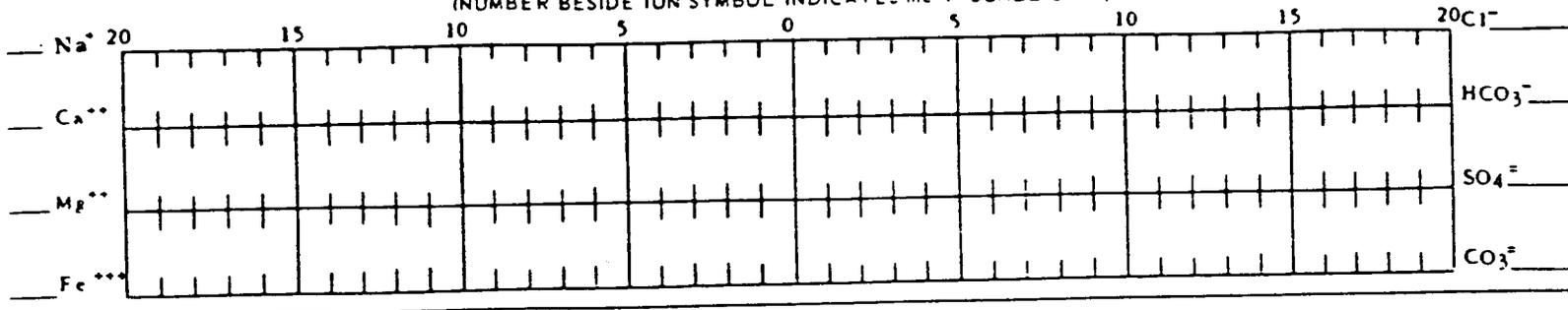
\* NOTE: me/l and mg/l are commonly used interchangeably for ppm and mg/l respectively. Where ppm and mg/l are used, corrections should be made for specific gravity.

**REMARKS AND RECOMMENDATIONS:**

ENGINEER <b>Patrick O'Rourke</b>	DIST. NO. <b>810</b>	ADDRESS <b>Evanston, Wyoming</b>	OFFICE PHONE <b>(307) 789-1356</b>	HOME PHONE
ANALYZED	DATE <b>3/9/87</b>	DISTRIBUTION	<input type="checkbox"/> CUSTOMER	<input type="checkbox"/> AREA OR <input type="checkbox"/> DISTRICT OFFICE
			<input type="checkbox"/> ENGINEER OR	<input type="checkbox"/> ETC LAB <input type="checkbox"/> ETC SALES SUPERVISOR

				SHEET NUMBER	
Champlin Petroleum				DATE 2/19/87	
Pineview			COUNTY OR PARISH Summit	STATE Utah	
WELL(S) NAME OR NO. 2-1A		WATER SOURCE INFORMATION Nugget			
WATER BEEL DAY	OIL BEEL DAY	GAS MMCF/DAY			
TYPE OF WATER	<input checked="" type="checkbox"/> PRODUCED <input type="checkbox"/> SUPPLY <input type="checkbox"/> WATERFLOOD <input type="checkbox"/> SALT WATER DISPOSAL				

**WATER ANALYSIS PATTERN**  
 (NUMBER BESIDE ION SYMBOL INDICATES me/l SCALE UNIT)



**DISSOLVED SOLIDS**

ANIONS	me/l*	mg/l*
Total Hardness	102	
Calcium, Ca <sup>++</sup>	62.8	1256
Magnesium, Mg <sup>++</sup>	39.2	478.24
Iron (Total), Fe <sup>+++</sup>	-	26
Sodium, Na <sup>+</sup>	-	-
Nitrate, NO <sup>-</sup> (calc.)	502.99	11568.77
<b>CATIONS</b>		
Chloride, Cl <sup>-</sup>	661.97	23500
Sulfate, SO <sub>4</sub> <sup>=</sup>	35.42	1700
Carbonate, CO <sub>3</sub> <sup>=</sup>	0	0
Bicarbonate, HCO <sub>3</sub> <sup>=</sup>	9.6	585.6
Hydroxyl, OH <sup>-</sup>	0	0
Silicate, Si <sup>=</sup>	0	0

**DISSOLVED GASES**

Hydrogen Sulfide, H <sub>2</sub> S	_____ mg/l*
Carbon Dioxide, CO <sub>2</sub>	_____ mg/l*
Oxygen, O <sub>2</sub>	_____ mg/l*

**PHYSICAL PROPERTIES**

pH	7.0
Eh (Redox Potential)	_____ MV
Specific Gravity	_____
Turbidity, JTU Units	_____
Total Dissolved Solids (calc.)	39115 mg/l*
Stability Index	<input type="checkbox"/> F _____
CeSO <sub>4</sub> Solubility	<input type="checkbox"/> F _____ mg/l*
Max. CeSO <sub>4</sub> Possible (calc.)	_____ mg/l*
Max. BaSO <sub>4</sub> Possible (calc.)	_____ mg/l*
Residual Hydrocarbons	_____ ppm/Vol %

**SUSPENDED SOLIDS (QUALITATIVE)**

Sulfide    
  Iron Oxide    
  Calcium Carbonate    
  Acid Insoluble

**REMARKS AND RECOMMENDATIONS:**

\*NOTE: me/l and mg/l are commonly used interchangeably for ppm and mg/l respectively. Where ppm and mg/l are used, corrections should be made for specific gravity.

ANALYZED BY Patrick O'Rourke	DIST. NO. 810	ADDRESS Evanston, Wyo.	OFFICE PHONE (307) 789-1355	HOME PHONE 789-6541
DISTRIBUTION		<input type="checkbox"/> CUSTOMER <input type="checkbox"/> AREA OFFICE <input type="checkbox"/> DISTRICT OFFICE <input type="checkbox"/> ENG. NEER OF <input type="checkbox"/> ETC LAB <input type="checkbox"/> ETC SALES SUPERVISOR		

143 SOUTH MAIN ST.  
P.O. BOX 45838  
SALT LAKE CITY, UTAH 84145  
FED. TAX I.D. # 87-0217663

Newspaper Agency Corporation  
The Salt Lake Tribune  DESERET NEWS

307024  
CUSTOMER'S COPY  
BLO

LEGAL ADVERTISING INVOICE

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	BILLING DATE
DIV OF OIL, GAS & MINING 355 W NO TEMPLE #350 3 TRIAD CENTER SLC, UT 84180	LE-5385340	10/05/89
FOR BILLING INFORMATION CALL (801) 237-2796		

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY CORPORATION LEGAL BOOKKEEPER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF NOTICE OF AGENCY ACTION CAUSE NO. UIC-111BEFOR FOR DIV OF OIL, GAS & MINING WAS PUBLISHED BY THE NEWSPAPER AGENCY CORPORATION, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH.

PUBLISHED ON OCT 05 1989

**NOTICE OF AGENCY ACTION CAUSE NO. UIC-111 BEFOR THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES, STATE OF UTAH IN THE MATTER OF THE APPLICATION OF UNION PACIFIC RESOURCES COMPANY FOR ADMINISTRATIVE APPROVAL OF THE BOYER 34-1 WELL LOCATED IN SECTION 34, TOWNSHIP 3 NORTH, RANGE 7 EAST, S.L.M., SUMMIT COUNTY, UTAH, AS A CLASS II INJECTION WELL. THE STATE OF UTAH ALL PERSONS INTERESTED THE ABOVE ENTITLED MATTER.**  
 Notice is hereby given that the Division is commencing an informal adjudicative proceeding to consider the application of Union Pacific Resources Company for administrative approval of the Boyer 34-1 Well, located in Section 34, Township 3 North, Range 7 East, S.L.M., Summit County, Utah, for conversion to Class II injection well. The proceeding will be conducted according to the provisions of the Administrative Procedures rules, R615-10. The operating data for the well is as follows:  
 Injection Interval: Nugget Formation, 10530' to 10694'  
 Maximum Injection Rate/Surface Pressure: 12,000 bwpd 2500 psig  
 Administrative approval of this application will be granted unless an objection is filed within fifteen days after publication of this notice by any person authorized to participate as a party in this adjudicative proceeding. If an objection is received by the Division, a formal adjudicative proceeding will be scheduled before the Board of Oil, Gas and Mining.  
 DATED this 26th day of September, 1989  
 STATE OF UTAH  
 DIVISION OF OIL GAS AND MINING  
 /s/ R.J. Firth  
 Associate Director  
 Oil and Gas  
 A2820230

SIGNATURE [Signature] DATE 10/05/89  
 COMMISSION EXPIRES MARCH 1, 1992  
 RESIDING IN SALT LAKE COUNTY

ACCOUNT NAME	TELEPHONE		
L, GAS & MINING	801-538-5340		
SCHEDULE	AD NUMBER		
989	A2820230		
REF. NO.	CAPTION	MISC. CHARGES	
117	NOTICE OF AGENCY ACTION CAUSE NO. UIC-111BEFOR	.00	
SIZE	TIMES	RATE	AD CHARGE
61 LINES	1	1.42	86.62
PAYABLE ON RECEIPT OF THIS INVOICE		TOTAL AMOUNT DUE	86.62

THANK YOU FOR USING LEGAL ADVERTISING.

PLEASE RETURN THIS PORTION WITH YOUR PAYMENT IN THE ENCLOSED ENVELOPE  
 LEGAL ADVERTISING ADV06-NT

ACCOUNT NUMBER	AD NUMBER	BILLING DATE	PAY THIS AMOUNT
LE-5385340	A2820230	10/05/89	86.62

LEGAL ADVERTISING  
 PLEASE REMIT TO:  
 NEWSPAPER AGENCY CORPORATION  
 P.O. BOX 45838  
 SALT LAKE CITY, UTAH 84145-0838

MAKE CHECKS PAYABLE TO:  
 NEWSPAPER AGENCY CORPORATION  
 DIV OF OIL, GAS & MINING  
 355 W NO TEMPLE #350  
 3 TRIAD CENTER  
 SLC, UT 84180

0701627062000070000000000000008662 181273817311118111111111111111119773

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

SUBMIT IN TRIPLICATE  
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

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

RECEIVED  
OCT 23 1989

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER WATER DISPOSAL WELL <input checked="" type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. FEE
2. NAME OF OPERATOR UNION PACIFIC RESOURCES COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P.O. BOX 8, FORT WORTH, TEXAS 76101		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) AT SURFACE 1980' FWL & 259' FSL SESW		8. FARM OR LEASE NAME BOYER
14. PERMIT NO. 43-043-30034		9. WELL NO. 34-1
15. ELEVATIONS (Show whether of, to, or, etc.) 6740' GR 6757' KB		10. FIELD AND POOL, OR WILDCAT PINEVIEW
		11. SEC., T., R., M., OR B.L.E. AND SUBST OR AREA SEC 34 T3N, R7E
		12. COUNTY OR PARISH 13. STATE SUMMIT UTAH

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input checked="" type="checkbox"/>	ABANDON <input type="checkbox"/>	SHOOTING OR ACIDISING <input type="checkbox"/>	ABANDONMENT <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGED 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.)

It is proposed to squeeze the existing Stump perforations and recomplete this well as a Nugget saltwater disposal well as follows:

- 1.) TOH W/TBG & PKR. SETCICR @ 6500'. STUMP PERFS 6578' - 6878' GROSS.
- 2.) SQUEEZE STUMP W/200 SX LOW WATER LOSS CEMENT FOLLOWED BY 150 SX CLASS "G" NEAT CMT. WJC
- 3.) DRILL OUT CEMENT & CEMENT RETAINERS @ 6500', 6930', 8809', AND 10050'.  
PRESSURE TEST CSG TO 1500 PSI
- 4.) PERFORATE NUGGET 10528' - 10704' w/4JSPF
- 5.) TIH W/3-1/2" IPC TUBING AND IPC PACKER. NOTIFY STATE OF UTAH & PRESSURE TEST CSG-TBG ANNULUS TO 1500 PSI.
- 6.) PLACE WELL ON INJECTION AND EVALUATE FOR POSSIBLE ACID STIMULATION.

WORK WILL COMMENCE UPON APPROVAL OF THE PENDING SALTWATER DISPOSAL PERMIT BY THE STATE OF UTAH.

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

18. I hereby certify that the foregoing is true and correct.  
DATE: 10/19/89  
BY: Ted D. Brown, Petroleum Engineer

SIGNED \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
(This space for Federal or State office use)

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

OIL AND GAS	
DATE	DATE
3 JED	1- CLH
DATE	DATE
DATE	10/19/89
D-TAS	
MICROFILM	
- 4 - FILE	

\*See Instructions on Reverse Side

Form DGC-15

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 new wells. Use APPLICATION FOR PERMITS TO A DIFFERENT DEPARTMENT (See back)

TYPE OF WELL  OIL  GAS  OTHER WATER

NAME OF OPERATOR  
OIL CO.

ADDRESS AND LOCATION  
P.O. BOX NORTH, TEXAS 76101

Well location clearly and in accordance with any State requirements (Report location clearly and in accordance with any State requirements below)

FSL  SESW  
919

1A. ELEVATIONS (Show whether OF, FT. OR SEA.)  
6740' GR 6757' KB

3. LEASE ORIGINATOR AND SERIAL NO.

FEE

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. NAME OF LEASE HOLD

BOYER

9. WELL NO.

34-1

10. FIELD AND POOL, OR

PINEVIEW

11. SEC., T., R., N., OR S.W. AND SURVEY OR AREA

SEC 34 T14N R4E

12. COUNTY OR PARISH OR STATE

SUMMIT

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

TYPE OF INTENTION TO:

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

SUBSEQUENT REPORT OF:

- WATER SHUT-OFF
- FRACTURE TREATMENT
- SHOOTING OR ACIDIZING

- REPERFORATION
- ABANDONMENT

(Other)

Note: Report results of multiple completion or Completion or Recompletion Report and Log form

\*ABANDONMENT (Clearly state all pertinent details, and give pertinent dates, including perforation date, if directly drilled, give subsurface locations and measured and true vertical depths for all perforations)

Freeze the existing Stump perforations and re-perforate disposal well as follows:

1. SET/CUR 0 6500', STUMP PERFS 6575' - 6872' G-0.5.  
2. 100 BX LOW WATER LOSS CEMENT FOLLOWED BY 150 BX 0.5

3. 100 BX CEMENT RETAINERS 6500', 6830', 8005', AND 8005' TO 1600 PSI

4. FOOT 10820' - 10704' WAC/SPE

5. 100 BX AND IPC PACKER. NOTIFY STATE OF UTAH

6. 100 BX AND IPC PACKER

7. 100 BX AND EVALUATE FOR POSSIBLE ACID STIMULATION

8. 100 BX AND 100 BX OF PENDING SALT WATER DISPERSED

Engineer

DATE





# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter  
Governor  
Dee C. Hansen  
Executive Director  
Dianne R. Nielson, Ph.D.  
Division Director

365 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340

October 25, 1989

Union Pacific Resources Company  
P.O. Box 7  
Fort Worth, Texas 76101-0007

Gentlemen:

Re: Boyer 34-1 Well, Located in Section 34, Township 3 North, Range 7 East, Summit County, Utah

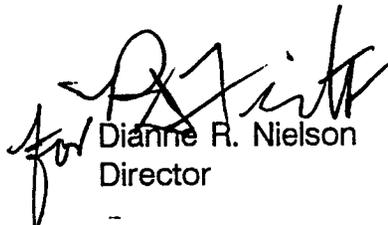
In accordance with Rule R615-5-3(3), the Oil and Gas Conservation General Rules, administrative approval for conversion of the referenced well to a Class II injection well in the Nugget formation is granted.

The following actions are necessary to fully comply with this approval:

- 1) Compliance with the UIC requirements for operation, maintenance and reporting for Class II injection wells.
- 2) Conformance with all conditions of the submitted application.

If you have any questions regarding this approval or the necessary requirements, please contact this office.

Best regards,

  
for Dianne R. Nielson  
Director

ldc  
HOI/1

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

---oo0oo---

IN THE MATTER OF THE APPLICATION	:	NOTICE OF AGENCY ACTION
OF UNION PACIFIC RESOURCES COMPANY	:	
FOR ADMINISTRATIVE APPROVAL OF	:	CAUSE NO. UIC-117
THE BOYER 34-1 WELL LOCATED IN	:	
SECTION 34, TOWNSHIP 3 NORTH,	:	
RANGE 7 EAST, S.L.M., SUMMIT	:	
COUNTY, UTAH, AS A CLASS II	:	
INJECTION WELL	:	

---oo0oo---

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division is commencing an informal adjudicative proceeding to consider the application of Union Pacific Resources Company for administrative approval of the Boyer 34-1 Well, located in Section 34, Township 3 North, Range 7 East SLM, Summit County, Utah, for conversion to Class II injection well. The proceeding will be conducted according to the provisions of the Administrative Procedures rules, R615-10.

The operating data for the well is as follows:

Injection Interval: Nugget Formation, 10530' to 10694'  
Maximum Injection Rate/Surface Pressure: 12,000 bwpd @ 2500 psig

Administrative approval of this application will be granted unless an objection is filed within fifteen days after publication of this notice by any person authorized to participate as a party in this adjudicative proceeding. If an objection is received by the Division, a formal adjudicative proceeding will be scheduled before the Board of Oil, Gas and Mining.

DATED this 26th day of September, 1989

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING



R. J. Firth  
Associate Director, Oil and Gas

September 27, 1989

Publication Notices were sent to the following:

UPRC  
P.O. Box 7  
Fort Worth, Texas 76101

Hamon Operating Company  
8411 Preston Road  
800, LB 33  
Dallas, Texas 75225

Conquest Exploration Company  
4201 FM 1960W, Suite 500  
Houston, Texas 77068

Amoco Production Company  
P.O. Box 800  
Denver, Colorado 80201

North Central Oil Corporation  
6001 Savoy, Suite 600  
Houston, Texas 77306

Geodyne Resources, Inc.  
320 South Boston, The Mezzanine  
Tulsa, Oklahoma 74103-3708

ORYX  
P.O. Box 26300  
Oklahoma City, OK 73126-0300

John Adkins, Jr.  
462 North Main  
Coalville, Utah 84017

Dwain & Margaret Louise Bowman  
3625 East Chalk Creek Road  
Coalville, Utah 84017

Bow Valley Development Corporation  
1675 North 200 West  
Provo, Utah 84601

Edward L. Gillmor  
3819 South 2000 East  
Holladay, Utah 84109

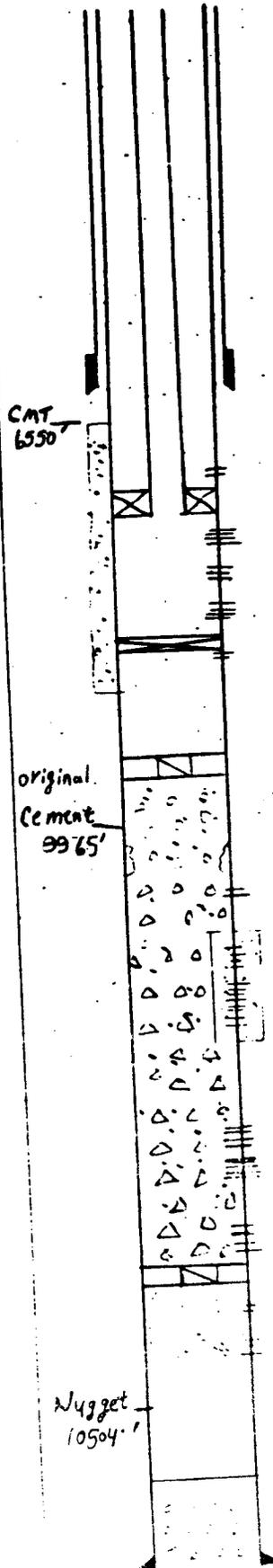
UI2/22

  
LISA CLEMENT  
SEPTEMBER 27, 1989

Location 1780' FWL 85' FSL S. 34 T. 3N R. 7E Well # Boyer 39-1 SWDW  
 Co. S. 1111, State 1111 API # 43-143-30034 Field Kinview  
 Spud: 1-2-77 Comp. 9-30-77 WI 36.5 RI \_\_\_\_\_ Lease Boyer  
 GR 6745' KB 6757' TD 10,850' PBD 8809' Formation Stump

**RECEIVED**  
 OCT 23 1989

DIVISION OF  
 OIL, GAS & MINING



9 5/8" 36# K-55 at 1515'  
 T & G 200 jts 2 7/8" IPC

6578-80' 350 SX  
 Baker R-3 at 6626'  
 6789-96'  
 6899-59'  
 6869-78' CICR @ 6930'  
 Squeeze hole 6950-52' 350 SX

CICR at 8809' w/EST CMT TOP @ 9225'

TITE 8990-9030'  
 SQUEEZE HOLES 9554-59' Squeezed w/500 SX  
 9586-9601' } Squeezed w/300 SX  
 9660-9720' }

9850-58'  
 9862-84' } Squeezed w/350 SX

9950'-10035'  
 CICR at 10,050'  
 Squeeze holes 10,080-85' Squeezed w/96 SX  
 10,384-10,404' 2 JPF Squeezed w/200 SX

PBD 10,767'  
 7" 23F26# N-80FS-95 at 10,826' Cemented w/700 SX  
 TD 10,850'

KJN 4-24-87

# Doubt Jack Testing & Services Inc.

P.O. Box 2097  
Evanston, WY 82931-2097  
(307) 789-9213

FIELD TICKET 7409  
SST # 1  
BIG NAME & NO. BOYER 34-1  
WELL NAME & NO.

DATE 5-26-90  
U.P.R.C.

OPERATOR Summit Lt.

COUNTY BOPS STATE Manifest

SECTION 34

TOWNSHIP 3N

RANGE 7E

ITEMS TESTED

ITEMS TESTED	LOW TEST PSI	TIME HELD MINUTES	HIGH TEST PSI	TIME HELD MINUTES	
Top Pipe Rams					Closing Unit Psi 2900
Bottom Pipe Rams			3000	10 min	Closing Time of Rams 4 Sec.
Blind Rams			3000		Closing Time of Annular 11 Sec.
Annular B.O.P.			1500		Closed Casing Head Valve
Choke Manifold			3000		Set Wear Sleeve
Choke Line			3000		COMMENTS choke line - closed kill line closed
Kill Line			3000		
Super Choke					
Upper Kelly			3000		
Lower Kelly			3000		
Floor Valve			3000		
Dart Valve			1500		

ADDITIONAL TESTS & COMMENTS:

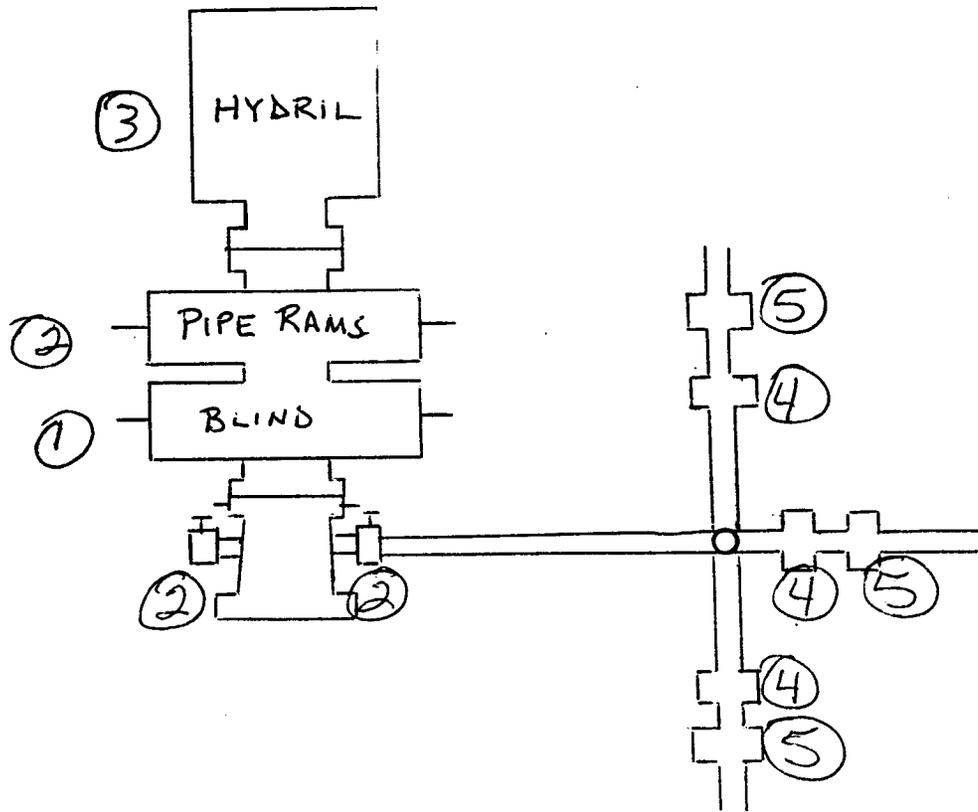
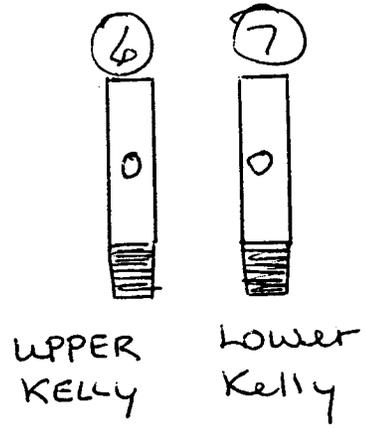
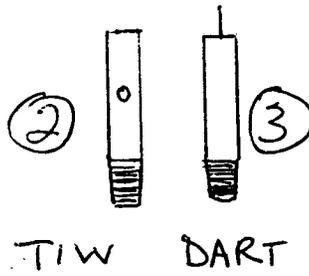
Cup Packer  
2" Threaded Gauge

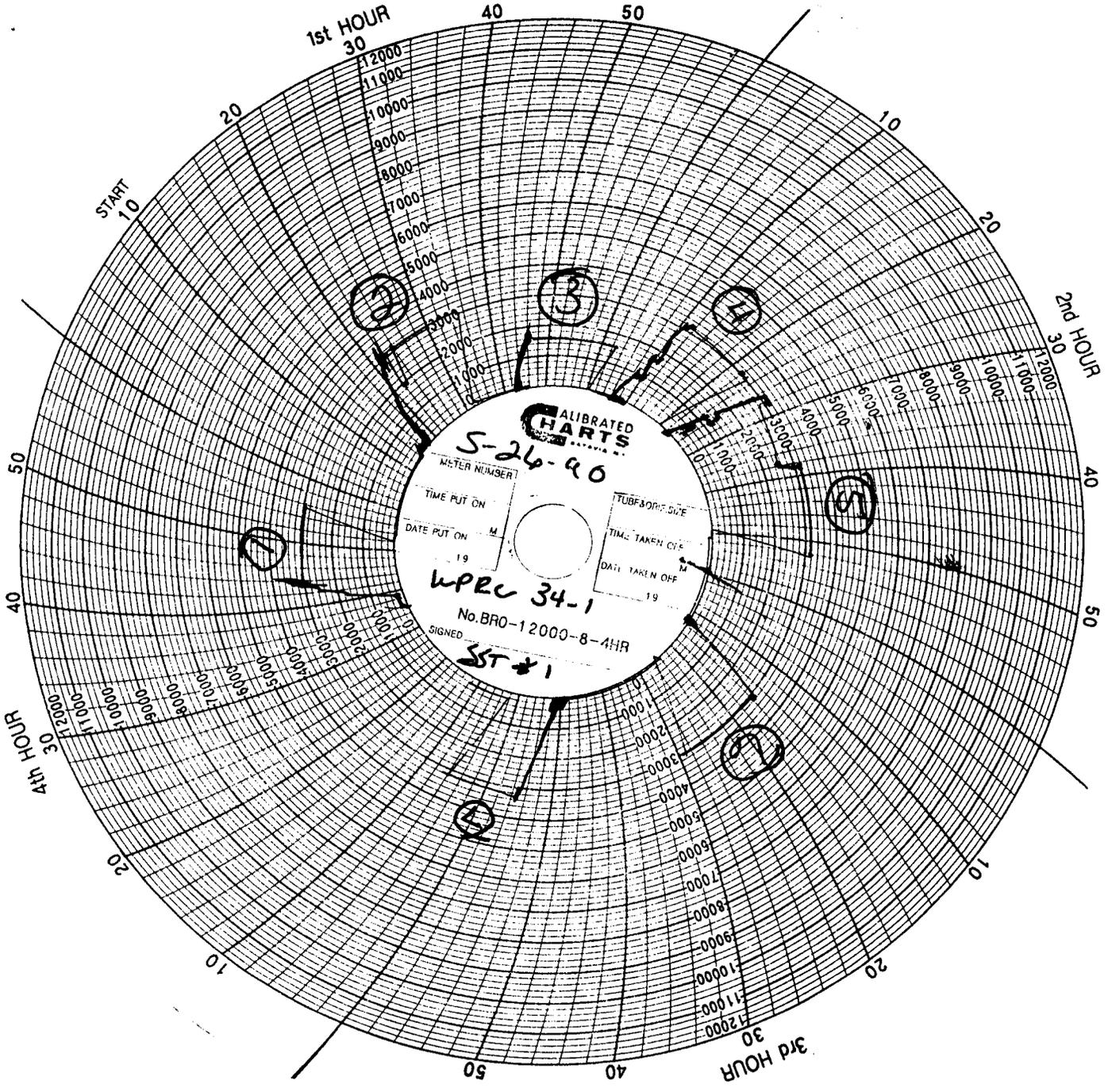
TEST PLUG 1/2 rector  
RET. TOOL  
TOP SUB. 3 1/2 IF  
KELLY SUB. 3 1/2 IF  
V OVER SUB

DOUBLE JACK TESTING & SERVICES, INC.  
 P O BOX 2097  
 EVANSTON, WY. 82931-2097

COMPANY LEASE AND WELL NAME # TEST DATE RIG NAME & #  
 P.R.C. BOYER 34-1 | 5-26-90 | SST # 1

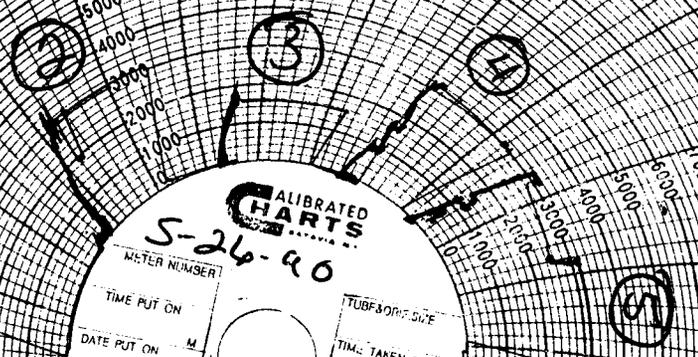
ST #	TIME	INFORMATION
	8:30	Arrive on location
	9:00	find 2" threaded flange to test blinds change out Blank flange to 2" threaded flange to test Blinds
①	9:30	BLIND Rams. Land test plug ;
	10:00	make blank flange and make up cup packer to test pipes + Hydril
②	10:45	Pipe rams, Safety valve, Kill valve + choke valve
③	11:00	Hydril, Dart. 1500
④	11:20	1st manifold valves.
⑤	11:35	2nd manifold valves.
⑥	11:50	Lower Kelly
⑦	12:00	Upper Kelly





**CALIBRATED CHARTS**  
 S-26-90  
 METER NUMBER  
 TIME PUT ON  
 DATE PUT ON M 19  
 WPRC 34-1  
 No. BRO-12000-8-4HR  
 SIGNED ST #1  
 TUBE & ORIF. SIZE  
 TIME TAKEN OFF M 19  
 DATE TAKEN OFF

1st HOUR 30  
 20  
 10  
 START 10  
 20  
 30  
 40  
 50  
 2nd HOUR 30  
 20  
 10  
 40  
 50  
 3rd HOUR 30  
 20  
 10  
 40  
 50  
 4th HOUR 30  
 20  
 10  
 40  
 50



DOUBLE JACK TESTING & SERVICES, INC

B.O.P. Test Report

RECEIVED

JUN 11 1990

43-043-30034

DIVISION OF OIL, GAS & MINING

B.O.P. Test Performed on (date) 5-26-90

Oil Company U.P.R.C.

Well Name & Number BOYER 34-1

Section 34

Township 3N

Range 7E

County Summit

Drilling Contractor SST #1

Oil Company Site Representative George BORNSON

Rig Tool Pusher Russ BURDICK

Tested out of EVANSTON

Notified Prior to Test State Hand

Copies of This Test Report Sent to: State of Utah

Site Rep.

Original Chart & Test Report on File at:

(BELOW)

Tested by: Double Jack Testing & Services, Inc. 108 Parkview Road P.O. Box 2097 Evanston, Wyoming 82930

OIL AND GAS	
DRN	RJF
JRB	GLH
DTS	SLS
1-JLT	
2-	MICROFILM ✓
3-	FILE ✓

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
BOPE TEST INSPECTION FORM

JD-10,950

Lower Levels

9950-10,035

Twin erect

WJW

COMPANY: Union Pacific Resources REPRESENTATIVE: George Branson  
*Consultant*

WELL NAME: Boyer 34-1 API# 43-043-30034

SE/SW

QTR/QTR SE/SW SECTION 34 WELLSIGN  TWP 3N RANGE 7E  
*Arthur Russ - Burdick*

INSPECTOR: John BERRIER DATE: 4-22-90

DRILLING CONTRACTOR SST Energy Corp. RIG # 1

RIG OPERATIONS: Testing Manifold & Blind Rams

DEPTH 10,950 LAST CASING 7"

TEST BY Double Jack WATER  MUD

PRESSURE RATING OF STACK 5000# H2S RATED

TEST PRESSURES 3000# KELLYCOCK: UPPER 3000# LOWER 3000#

INSIDE BOP 3000# FULL OPENING VALVE ON FLOOR Yes

WRENCH FOR FULL OPENING VALVE/KELLYCOCK ON FLOOR Yes

STACK - LISTED AS ARRANGED - TOP TO BOTTOM:

1. Hydril
2. Pipe Rams - 3 1/2
3. Blind Rams
4. Bell nipple inside Tbg spool
5. Tubing Spool w/ Wing Valves for Kill Lines to Manifold
6.

ADDITIONAL COMMENTS: Used Cuptype Plug To test Stack

REPORTED BY: Russ Burdick PHONE: 336-5668

DATE: 4-22-90 SIGNED: John Berrier

(IF TESTED BY INDEPENDENT COMPANY, ATTACH COPY OF TEST)

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. <b>OIL WELL</b> <input type="checkbox"/> <b>GAS WELL</b> <input checked="" type="checkbox"/> <b>OTHER</b> SWD Well		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR UNION PACIFIC RESOURCES COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Box 7 - MS 3407, Fort Worth, TX 76101-0007 817/877-7956		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1980' FWL & 859' FSL 9.9 ft (SESW)		8. FARM OR LEASE NAME Boyer 34-1 (SWD)
14. PERMIT NO. 43-043-30034	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6740' GR; 6757' KB	9. WELL NO. #1
		10. FIELD AND POOL, OR WILDCAT Pineview
		11. SEC., T., S., M., OR BLE. AND SURVEY OR AREA 34-T3N-R7E
		12. COUNTY OR PARISH Summit
		13. STATE Utah

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input 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"/>	
(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.)\*

NOTICE OF INTENT TO P&A

Well History:

TD: 10,850' PBD: 948'

Surface Casing: 9-5/8" 36# K-55 @ 1515'

Production Casing: 7" 23# & 26# N-80 & S-95 @ 10,826'

Tubing: None

Perforations: Stump 6784-96', 6849-59', 6869-78', 2 JSPF

**RECEIVED**

JUL 23 1991

DIVISION OF OIL GAS & MINING

6/9/6 Stamp and JAM  
per well file

Procedure to Plug & Abandon:

- 1) MIRUSU.
- 2) Kill well.
- 3) RU wireline and lubricator and RIH w/gauge ring to ±6300'. PU & RIH w/CICR and set @ 6300'. RD wireline.

(CONTINUED ON REVERSE)

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

SIGNED Joy L. Rector / Joy L. Rector TITLE Regulatory Analyst DATE 7-22-91

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE 8-2-91

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

\*See Instructions on Reverse Side approved as per attached slips.

- 4) PU stinger and 2-7/8" work string & TIH. Pressure test casing to 100 psi and tubing to 2500 psi and sting into retainer.
- 5) RU cementers to squeeze cement Stump perforations 6784-6878' gross interval. Establish injection rate down 2-7/8" tubing while monitoring annulus pressure. Squeeze w/100 sx Class "G" low water loss followed by 100 sx Class "G" neat. Sting out of retainer and spot 5 sx on top. Reverse circulate hole clean.
- 6) TOOH laying down tubing to 1565'. Spot 100' cement plug (10 sx) from 1565-1465' across surface casing shoe. TOOH laying down tubing.
- 7) ND BOPs and tubing head. Release casing slips and remove casing head.
- 8) Spot 10 sx plug @ surface using 2-7/8" tubing. Using 1" pipe, set 100' annular plug. RD cementers.
- 9) Weld on dry hole marker, RDMOSU.

PLUGGING AND ABANDONMENT STIPULATIONS  
UNION PACIFIC RESOURCES COMPANY  
BOYER 34-1 SWD  
SECTION 34, TOWNSHIP 3 NORTH, RANGE 7 EAST  
SUMMIT COUNTY, UTAH  
API # 43-043-30034

Application is approved with the following stipulations:

Step #4 If casing does not test hole will be found, squeezed, and retested.

Step #5 After reverse circulation of hole, circulate hole with a non-corrosive fluid of sufficient weight to prevent migration of fluids between zones.



**WORK ORDER CONTRACT  
AND PRE-TREATMENT DATA**

DISTRICT Road Spring (Eucumata)

DATE 8-20-91

TO: **HALLIBURTON SERVICES** YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO: U.P.R.C. (CUSTOMER) AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. 34-1 LEASE Boyer SEC. 34 TWP. 3-N RANGE 7-E  
FIELD Pinesimo COUNTY Summit STATE Utah OWNED BY U.P.R.

**THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT**

FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_  
FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_  
PACKER: TYPE EZSV SET AT 6300  
TOTAL DEPTH \_\_\_\_\_ MUD WEIGHT \_\_\_\_\_  
BORE HOLE \_\_\_\_\_  
INITIAL PROD: OIL \_\_\_\_\_ BPD, H<sub>2</sub>O \_\_\_\_\_ BPD, GAS \_\_\_\_\_ MCF  
PRESENT PROD: OIL \_\_\_\_\_ BPD, H<sub>2</sub>O \_\_\_\_\_ BPD, GAS \_\_\_\_\_ MCF

	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING	U	23.26	7"			
LINER						
TUBING	U	6.5	2 7/8	EUC		
OPEN HOLE						SHOTS/FT.
PERFORATIONS				6784	6818	
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE \_\_\_\_\_ TYPE \_\_\_\_\_ MATERIALS \_\_\_\_\_

TREATMENT INSTRUCTIONS: TREAT THRU TUBING  ANNULUS  CASING  TUBING/ANNULUS  HYDRAULIC HORSEPOWER ORDERED \_\_\_\_\_  
Run 7" EZSV to casing and 6784-6818 for plug & abandoned

**CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES**

In consideration of the above-named Customer agrees: THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. Invoices are payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable but never to exceed 18% per annum. In the event it becomes necessary to employ attorneys to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account.

To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorneys fees, and costs of defense to the extent permitted by law for:

1. Damage to property owned by, in the possession of, or leased by Customer, and/or the well owner (if different from Customer), including, but not limited to, surface and subsurface damage. The term "well owner" shall include working and royalty interest owners.
2. Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
3. Personal injury or death or property damage (including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout or the use of radioactive material.

The defense, indemnity, release and hold harmless obligations of Customer provided for in this Section b) and Section c) below shall apply to claims or liability even if caused or contributed to by Halliburton's negligence, strict liability, or the unseaworthiness of any vessel owned, operated, or furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton whether in the preparation, design, manufacture, distribution, or marketing thereof, or from a failure to warn any person of such defect. Such defense, indemnity, release and hold harmless obligations of Customer shall not apply where the claims or liability are caused by the gross negligence or willful misconduct of Halliburton. The term "Halliburton" as used in said Sections b) and c) shall mean Halliburton, its divisions, subsidiaries, parent and affiliated companies, and the officers, directors, employees, agents and servants of all of them.

That because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, Halliburton is unable to guarantee the effectiveness of the products, supplies or materials, nor the results of any treatment or service, nor the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by Halliburton. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for and Customer shall indemnify Halliburton against any damages arising from the use of such information.

That Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental indirect punitive or consequential damages.

That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for marine operations, Customer shall, in addition to the foregoing, be fully responsible for loss of or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at the landing until returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.

- a) To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.
- b) That this contract shall be governed by the law of the state where services are performed or materials are furnished.
- c) That Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT.

SIGNED \_\_\_\_\_ CUSTOMER  
DATE 8-20-91  
TIME 0800 A.M. EB

# JOB LOG

CUSTOMER U.P.R.C.

PAGE NO. 1

JOB TYPE E2SV Squeeze to abandoned

DATE 8-20-91

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL / GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0700							on low string, Rigging up
	0820							Pressure test 3000 O.K
	0833							1000 on casing O.K
	0825	1				2000	1000	Injection rate
	0837						1000	Start mix cement
	0910					300	1000	finish mix
	0935					2200	1000	Cement in place, string out, drop
								5 SKS on top of cement set, pull
								6 joints & reverse out, pull up to
								<del>15165</del> 15165 & set 20 SK plug,
	1330							Set # 2 plug.
	1400							Job complete

CUSTOMER

# HALLIBURTON SERVICES JOB SUMMARY

FORM 2025

DIVISION Well Services

HALLIBURTON LOCATION Rock Springs, Utah

BILLED ON TICKET NO. 071376

## WELL DATA

FIELD Pineview SEC. 34 TWP. 3-N RNG. 7-E COUNTY Summit STATE Utah

FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_  
 FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_  
 INITIAL PROD: OIL \_\_\_\_\_ SPD. WATER \_\_\_\_\_ SPD. GAS \_\_\_\_\_ MCFD  
 PRESENT PROD: OIL \_\_\_\_\_ SPD. WATER \_\_\_\_\_ SPD. GAS \_\_\_\_\_ MCFD  
 COMPLETION DATE \_\_\_\_\_ MUD TYPE \_\_\_\_\_ MUD WT. \_\_\_\_\_  
 PACKER TYPE \_\_\_\_\_ SET AT \_\_\_\_\_  
 BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_  
 MISC. DATA \_\_\_\_\_ TOTAL DEPTH \_\_\_\_\_

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING						
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

## JOB DATA

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>8-20-91</u>	DATE <u>8-20-91</u>	DATE <u>8-20-91</u>	DATE <u>8-20-91</u>
TIME <u>0430</u>	TIME <u>0700</u>	TIME <u>0700</u>	TIME <u>1500</u>

## PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>C. Buller</u>	<u>40984 PU</u>	<u>55365</u>

### TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD		
PACKER <u>EZSV 7"</u>	<u>1ea</u>	<u>Hales</u>
OTHER		

### MATERIALS

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB./GAL. °API  
 DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB./GAL. °API  
 PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.  
 PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.  
 ACID TYPE \_\_\_\_\_ GAL. %  
 ACID TYPE \_\_\_\_\_ GAL. %  
 ACID TYPE \_\_\_\_\_ GAL. %  
 SURFACTANT TYPE \_\_\_\_\_ GAL. IN  
 NE AGENT TYPE \_\_\_\_\_ GAL. IN  
 FLUID LOSS ADD. TYPE \_\_\_\_\_ GAL.-LB. IN  
 GELLING AGENT TYPE \_\_\_\_\_ GAL.-LB. IN  
 FRIC. RED. AGENT TYPE \_\_\_\_\_ GAL.-LB. IN  
 BREAKER TYPE \_\_\_\_\_ GAL.-LB. IN  
 BLOCKING AGENT TYPE \_\_\_\_\_ GAL.-LB.  
 PERFFAC BALLS TYPE \_\_\_\_\_ QTY.  
 OTHER \_\_\_\_\_  
 OTHER \_\_\_\_\_

DEPARTMENT Tools  
 DESCRIPTION OF JOB Run 7" EZSV for squeeze to abandon  
 JOB DONE THRU: TUBING  CASING  ANNULUS  TBC./ANN.   
 CUSTOMER REPRESENTATIVE [Signature]  
 HALLIBURTON OPERATOR C. Buller COPIES REQUESTED \_\_\_\_\_

## CEMENT DATA

STAGE	NUMBER OF SACKS	TYPE	API CLASS	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>100</u>		<u>G</u>	<u>HG-300</u>	<u>B</u>	<u>.4/10 to 344</u>	<u>1.15</u>	<u>15.6</u>
<u>2</u>	<u>100</u>		<u>G</u>		<u>B</u>	<u>Neut</u>	<u>1.15</u>	<u>15.6</u>
<u>3</u>	<u>20</u>		<u>G</u>		<u>B</u>	<u>Neut</u>	<u>1.13</u>	<u>15.6</u>

### PRESSURES IN PSI

### SUMMARY

### VOLUMES

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_ PRESLUSH: SBL.-GAL. \_\_\_\_\_ TYPE \_\_\_\_\_  
 BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_ LOAD & BKDN: SBL.-GAL. \_\_\_\_\_ PAD: SBL.-GAL. \_\_\_\_\_  
 AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_ TREATMENT: SBL.-GAL. \_\_\_\_\_ DISPL: SBL.-GAL. \_\_\_\_\_  
 SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN. \_\_\_\_\_ 15-MIN. \_\_\_\_\_ CEMENT SLURRY: SBL.-GAL. \_\_\_\_\_  
 TOTAL VOLUME: SBL.-GAL. \_\_\_\_\_  
 ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_ REMARKS \_\_\_\_\_  
 AVERAGE RATES IN BPM \_\_\_\_\_  
 TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_  
 CEMENT LEFT IN PIPE \_\_\_\_\_  
 FEET \_\_\_\_\_ REASON \_\_\_\_\_

CUSTOMER

CUSTOMER UPEC  
 LEASE Rayon  
 WELL NO. 34-1  
 JOB TYPE EZSV Plug to abandon 8-20-91  
 DATE 8-20-91



**HALLIBURTON SERVICES**  
**JOB LOG**

WELL NO. 34-1 LEASE Boyer TICKET NO. 091738  
 CUSTOMER UPRC PAGE NO. 2  
 JOB TYPE Squeeze to Abandon DATE 8-21-91

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	15:15	1	0			50		Start cmt through 1" pipe
	15:30	1-25	15			50		Cement falling away keep mixing
	15:45	0	20.5			0		End cement
								Cement fell away ordered more cement
								For 8-22-91 AM.
								Done for Day
								Thanks Don, Dile
								=
	0615							ON LOCATION 8-22-91
	0630							SAFETY MEETING & Rig up
	0725							Mix up 3 BBL 3% CC. WATER FOR 25 SKS CMT
	0730	1/2	5			0	0	Mix & Pump 25 SKS (5 BBL) CMT BETWEEN 7" & 9 1/8" CASING.
	0735							NO RETURN TO SURFACE Pull out 1" pipe & wash up. Going to wait 45 min.
	0830							Mix up 3 BBL 3% CC. WATER FOR 25 SKS CMT
	0835	1/2	2 1/2			0	0	MIX & Pump 2 1/2 BBL CMT BETWEEN 7" & 9 1/8" GOT CMT TO SURFACE
	0840							SHUT DOWN. Pull out 1" pipe Run 1" pipe down 7" casing to 130' bits of 1" pipe
	0845	1/2	5			0	0	MIX & Pump 25 SKS (5 BBL) CMT w/ 3% CC. WATER
								GOT CMT BACK TO SURFACE
	0855							SHUT DOWN Pull 1" pipe out of hole & wash up.
	0900							JOB COMPLETE CREW RELEASED
								USED 75 SKS OF CMT TOTAL
								THANK YOU
								Kennedy & CREW

CUSTOMER

# HALLIBURTON SERVICES JOB LOG

WELL NO. 51-1 LEASE Boyer TICKET NO. 099738  
 CUSTOMER U. I. R. C. PAGE NO. 1  
 JOB TYPE Sg-type P.T.A. DATE 8-20-91

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	01:00							Called out / on 8-20-91
	07:00							on location, setting meeting, setup
	08:25	1	0			1750	1500	start injection rate w/ fresh H <sub>2</sub> O
	08:30	1	5			2000		End Fresh/start lead cement at 15-8 <sup>1/2</sup> /gal
	08:42	1	12			1750		End lead/start tail cement at 15-8 <sup>1/2</sup> /gal
	08:56	2	12			520		End tail cement/start Fresh Batch
	08:59	2	5			430		End Fresh continue with formation
	09:17	0	35.5			2150		shot down at 35.5 BBLs in leaving 5 sts on top of E2SV tool. down
	09:20	3	10			700		Pump tubing. Pull 3 joints
	09:40	3	40			1200		Reverse out tubing volume pull 700 lbs
	10:50	3	0			650		Pump down tubing
	10:54	0	10			0		shut down
<del>10:50</del>	12:22	3	0			750		Pump down tubing
<del>10:50</del>	12:30	0	10			0		shut down
								Pull out a total of 158 sts. tubing at 1565' set 100' Plug
	13:23	3	0			50		start Fresh Ahead
	13:28	3	15			130		End Fresh/start cement at 15-8 <sup>1/2</sup> /gal
	13:30	3	4.1			25		End cement/start Fresh displacement
	13:31	3	2.5			25		End Fresh disp/start Formation disp.
	13:35	0	7			20		End Formation disp.
						0		Remove iron off floor end job for day
								8-21-91
	07:00							on location, set up, safety meeting
	10:11	1				30		start cut down" tubular 7" - 9 <sup>1/8</sup> Pump 40 sts down 7" - 9 <sup>1/8</sup> cut fall away shut down
	11:00							ordered
	11:00							ordered move cement

CUSTOMER

**WELL DATA**

FIELD Pineview SEC. 34 TWP. 3N RNG. 7E COUNTY Summit STATE Utah

FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_

FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_

INITIAL PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD \_\_\_\_\_

PRESENT PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD \_\_\_\_\_

COMPLETION DATE \_\_\_\_\_ MUD TYPE \_\_\_\_\_ MUD WT. 11 #

PACKER TYPE E 250 SET AT 6300'

BOTTOM HOLE TEMP. 150' PRESSURE \_\_\_\_\_

MISC. DATA \_\_\_\_\_ TOTAL DEPTH \_\_\_\_\_

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<u>U</u>	<u>23#</u>	<u>7"</u>	<u>0</u>	<u>TD</u>	
LINER						
TUBING	<u>1</u>	<u>65</u>	<u>2 3/4"</u>	<u>0</u>	<u>6300'</u>	
OPEN HOLE						SHOTS/FT.
PERFORATIONS				<u>6784'</u>	<u>6876'</u>	
PERFORATIONS						
PERFORATIONS						

**JOB DATA**

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>8-00-88</u> TIME <u>01:00</u>	DATE <u>8-20-88</u> TIME <u>07:00</u>	DATE <u>8-20-88</u> TIME <u>08:25</u>	DATE <u>8-22-88</u> TIME <u>09:00</u>

**PERSONNEL AND SERVICE UNITS**

NAME	UNIT NO. & TYPE	LOCATION
<u>D. Handinger</u>	<u>31878</u> <u>WELL P</u>	<u>55685</u>
<u>D. Minkley</u>	<u>50756-7</u> <u>APC-REM</u>	<u>11</u>
<u>Ray Clark</u>	<u>7534</u> <u>Bulk</u>	<u>55685</u>
<u>Ken Sanders</u>	<u>35792</u> <u>PUMP</u>	<u>55365</u>
<u>K. Dunning</u>	<u>25765</u> <u>PUMP</u>	<u>11</u>
<u>R. Clark</u>	<u>22444</u> <u>TRUCK</u>	<u>11</u>

DEPARTMENT Contract  
DESCRIPTION OF JOB Stimulation of Abandon

JOB DONE THRU: TUBING  CASING  ANNULUS  TBG/ANN.

CUSTOMER REPRESENTATIVE X Donald Handinger

HALLIBURTON OPERATOR Donald Handinger COPIES REQUESTED \_\_\_\_\_

**CEMENT DATA**

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>100</u>	<u>AG-300</u>			<u>.4% Hated - 344</u>	<u>1.15</u>	<u>15.8</u>
<u>2</u>	<u>100</u>	<u>AG-300</u>			<u>Act</u>	<u>1.15</u>	<u>15.8</u>
<u>3</u>	<u>30</u>	<u>AG-300</u>			<u>Act</u>	<u>1.15</u>	<u>15.8</u>
<u>4</u>	<u>75</u>	<u>AG-300</u>		<u>B</u>	<u>4/3% CC</u>	<u>1.15</u>	<u>15.8</u>

**PRESSURES IN PSI**

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_

BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_

AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_

SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN \_\_\_\_\_

HYDRAULIC HORSEPOWER \_\_\_\_\_

ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_

AVERAGE RATES IN BPM \_\_\_\_\_

TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_

CEMENT LEFT IN PIPE \_\_\_\_\_

FEET \_\_\_\_\_ REASON \_\_\_\_\_

**SUMMARY**

VOLUMES

PRESLUSH: BBL-GAL. 5000/5000 TYPE Prep

LOAD & BKDN: BBL-GAL. \_\_\_\_\_ PAD: BBL-GAL. \_\_\_\_\_

TREATMENT: BBL-GAL. \_\_\_\_\_ DISPL: BBL-GAL. \_\_\_\_\_

CEMENT SLURRY: BBL-GAL. \_\_\_\_\_

TOTAL VOLUME: BBL-GAL. \_\_\_\_\_

**REMARKS**

See Job Log

CUSTOMER UPLC  
LEASE BY  
WELL NO. 31-1  
JOB TYPE Stimulation of Abandon DATE 8-20-88



WORK ORDER CONTRACT AND PRE-TREATMENT DATA

WDW

FORM 1908 R-7

A Division of Halliburton Company

ATTACH TO INVOICE & TICKET NO. 099738

DISTRICT UPRAL

DATE 8-20-91

TO: HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE

THE SAME AS AN INDEPENDENT CONTRACTOR TO: U.P.R.C. (CUSTOMER)

AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. 34-1 LEASE Boyer SEC. 34 TWP. 3 N. RANGE 7 E.

FIELD Pine View COUNTY Summit STATE Utah OWNED BY Same

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME TYPE
FORMATION THICKNESS FROM TO
PACKER: TYPE EZSV SET AT 6300'
TOTAL DEPTH MUD WEIGHT
BORE HOLE
INITIAL PROD: OIL BPD, H2O BPD, GAS MCF
PRESENT PROD: OIL BPD, H2O BPD, GAS MCF

Table with columns: NEW USED, WEIGHT, SIZE, FROM, TO, MAX. ALLOW. P.S.I. Rows include CASING, LINER, TUBING, OPEN HOLE, PERFORATIONS.

PREVIOUS TREATMENT: DATE TYPE MATERIALS

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED

Provide man, equipment and materials to squeeze off perforations to plug to abandon well as instructed by customer.

CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES

As consideration, the above-named Customer agrees: THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

- a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list.
b) To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies...

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT.

SIGNED [Signature] CUSTOMER

DATE 8-22-91

TIME 0700 P.M.

We certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to services furnished under this contract.

CUSTOMER

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER Plug and Abandon SWD		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR UNION PACIFIC RESOURCES COMPANY (817) 877-7956		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Box 7-MS 3407, Fort Worth, Texas		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface SE SW 1980' FWL & 859' FSL 9197		8. FARM OR LEASE NAME Boyer 34-1
14. PERMIT NO. 43-043-30034		9. WELL NO. #1
15. ELEVATIONS (Show whether of, ft. or m.) 6740' GR; 6757' KB		10. FIELD AND POOL, OR WILDCAT Pineview
16. GAS & MINING		11. SEC., T., R., M., OR BLK. AND SURVEY OR ABBA Sec 34-3N-7E
		12. COUNTY OR PARISH Summit
		13. STATE UTAH

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

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

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

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

The subject well was PLUGGED AND ABANDONED on 08/24/91 as follows:

- MIRUSU. Well dead. ND WH, NU BOP.
- RU wireline, TIH w/gauge ring & junk basket to 6310' KB. TOH, PU Halliburton CICR - TIH & set @ 6300' KB.
- PU Stinger and 304 jts 2-7/8" 6.5# N80 EUE tbg. Sting into retainer & press test csg 1000# - 15 min OK; Sting out of retainer & press test tbg to 2500# - 15 min OK.
- RU Halliburton press test csg to 1000#. Hold - Squeeze w/100 sx Class G Low water loss - follow w/100 sx Class G neat, sting out of retainer & spot 5 sx on retainer.
- TOH w/6 jts tbg & rev clean, TOH LD tbg to 1564' KB. Spot 20sx from 1564'-1464'. Finish TOH w/ 2-7/8" tbg, LD stinger.
- ND BOP & tbg head. Rev csg head. RU Halliburton. Load 9-5/8" w/prod wtr.
- Circ 40 sx cmt down 1" to set plug. Pumped cmt away. Pump addtn 1 100 sx down 9-5/8" csg. No circ to surf. RD Halliburton.
- RU Halliburton & pump 25 sx Class G down 9-5/8" csg - wait 45 min. Pump 15 sx w/cmt to surface.
- RIH w/120' 1" down 7" csg; set 25 sx plug @ surface.
- Pull deadman; back fill pits; blade location; set regulation P&A marker.

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

SIGNED J.L. Recto / J.L. Recto TITLE Regulatory Analyst DATE 10/04/91  
R. Montgomery

(This space for Federal or State office use)

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