

Confidential Status Released - 1/12/73 SD
6/21/77 - approval given to American Quasar Pet.
to re-into well.

FILE NOTATIONS

Entered in NID File ✓
Location Map Pinned ✓
Card Indexed ✓

Checked by Chief *JMB*
Approval Letter 11-10-71
Disapproval Letter

COMPLETION DATA:

Date Well Completed 3-29-72

Location Inspected

OW..... WW..... TA.....

Bond released

GW..... OS..... PA..... ✓

State or Fee Land .

LOGS FILED

Driller's Log..... ✓

Electric Logs (No.) ✓

E..... I..... Dual I Lat..... CR-N..... Micro.....

BHC Sonic GR..... Lat..... MI-L..... Sonic.....

CBLog..... CCLog..... Others.....

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

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
 OCCIDENTAL PETROLEUM CORPORATION

3. ADDRESS OF OPERATOR
 902 Patterson Building, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
 At surface 1320' FSL, 710' FEL, Section 5-2N-7E
 At proposed prod. zone *NESE*

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Six miles east of Coalville, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. line, if any) 710'

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. None

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 6464' GR

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#	±1500'	sufficient to circ to surface
12-1/4"	9-5/8"	40 & 43-1/2#	6000-10,000'	±300 sacks
7-7/8"	5-1/2"	Engineered	±14,500'	to be determined

Series 900 B.O.P. double gate and hydrill until intermediate casing is set.
 Series 1500 B.O.P. double gate and hydrill base of intermediate casing to total depth.
 Mud logging unit (two-man) will be on location from spud to total depth.
 Qualified consultant geologist will be on well when potential pay zones are drilled.
 All oil and gas shows will be evaluated.

REMARKS:

- Occidental requests an exception to the prescribed location due to topography. *C-3*
- Occidental owns or controls all acreage within a 660-foot radius of the location applied for, as set out above in No. 4. *Bound*

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.

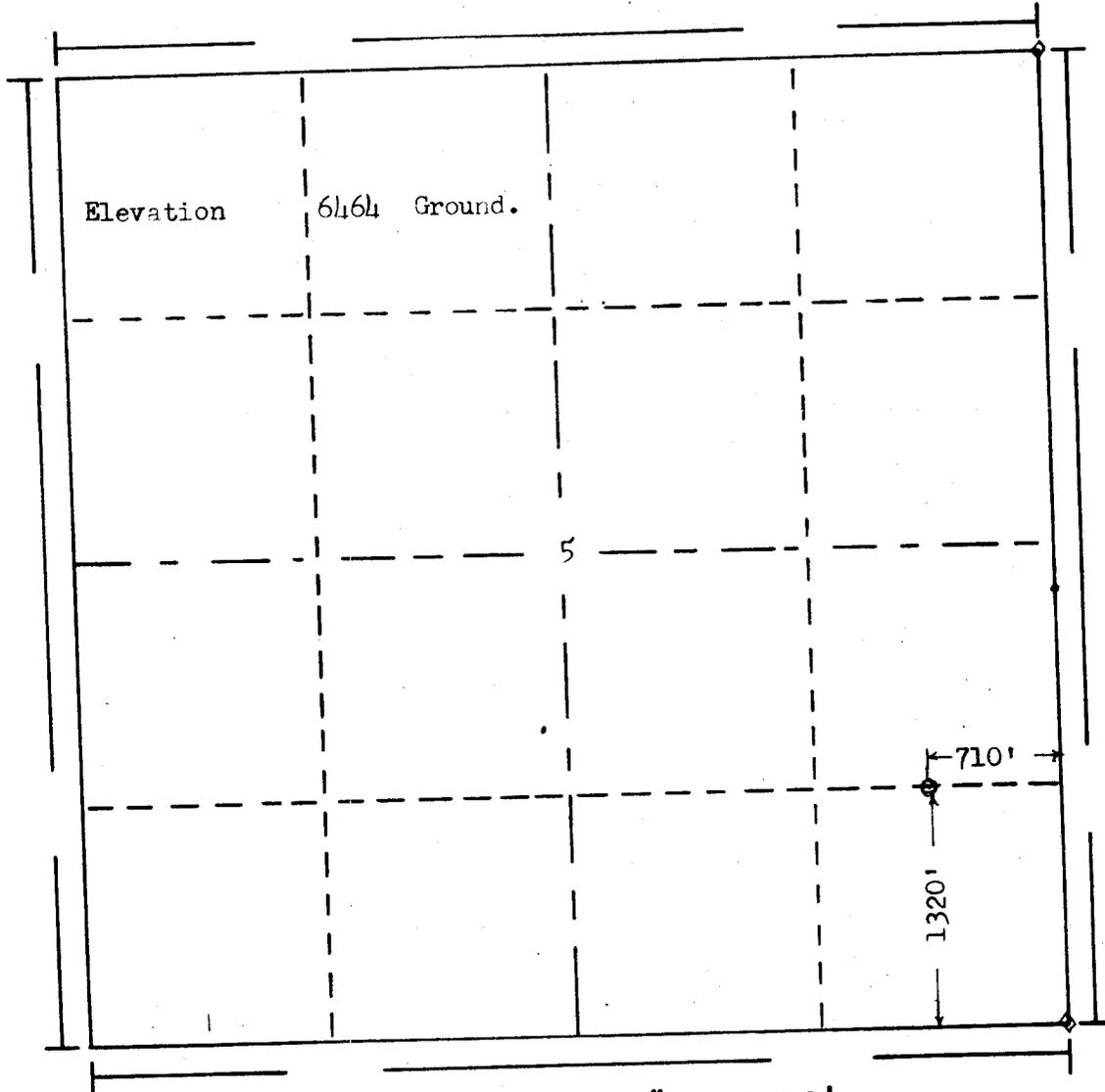
24. SIGNED *Russell A. Pomeroy* TITLE Manager DATE 11/5/71

(This space for Federal or State office use)
 PERMIT NO. *43-043-30004* APPROVAL DATE _____

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



R. 7 E.



T.
2
N.

Scale... 1" = 1000'

Powers Elevation Company, Inc. of Denver, Colorado
 has in accordance with a request from Russ Pomery
 for Occidental Petroleum Corporation
 determined the location of #1 Pineview
 to be 1320'FS & 710'FE Section 5 Township 2 N.
 Range 7 E. of the Salt Lake Meridian
 Summit County, Utah

I hereby certify that this plat is an
 accurate representation of a correct
 survey showing the location of
 #1 Pineview.

Date: 10-20-71

Donald White
 Licensed Land Surveyor No. 2658PE.
 State of Utah

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

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
INCIDENTAL PETROLEUM CORPORATION

3. ADDRESS OF OPERATOR
902 Patterson Building, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface
1320' FSL, 710' FEL, Section 5-2N-7E
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Six miles east of Coalville, Utah

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. line, if any)
710'

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
None

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
6464' GR

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#	150'	sufficient to circ to surface
12-1/4"	9-5/8"	47# & 47-1/2#	410'-21,000'	+300 sacks
7-7/8"	5-1/2"	Engineered	14,500'	to be determined

Series 900 B.O.P. double gate and hydrill until intermediate casing is set.
Series 1500 B.O.P. double gate and hydrill base of intermediate casing to total depth.
Mud logging unit (two-man) will be on location from end to total depth.
Qualified consultant geologist will be on well when potential pay zones are drilled.
All oil and gas shows will be evaluated.

- REMARKS:
- Occidental requests an exception to the prescribed location due to topography.
 - Occidental owns or controls all acreage within a 660-foot radius of the location applied for, as set out above in No. 4.

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 Russell A. Comney TITLE Manager DATE 11/5/71

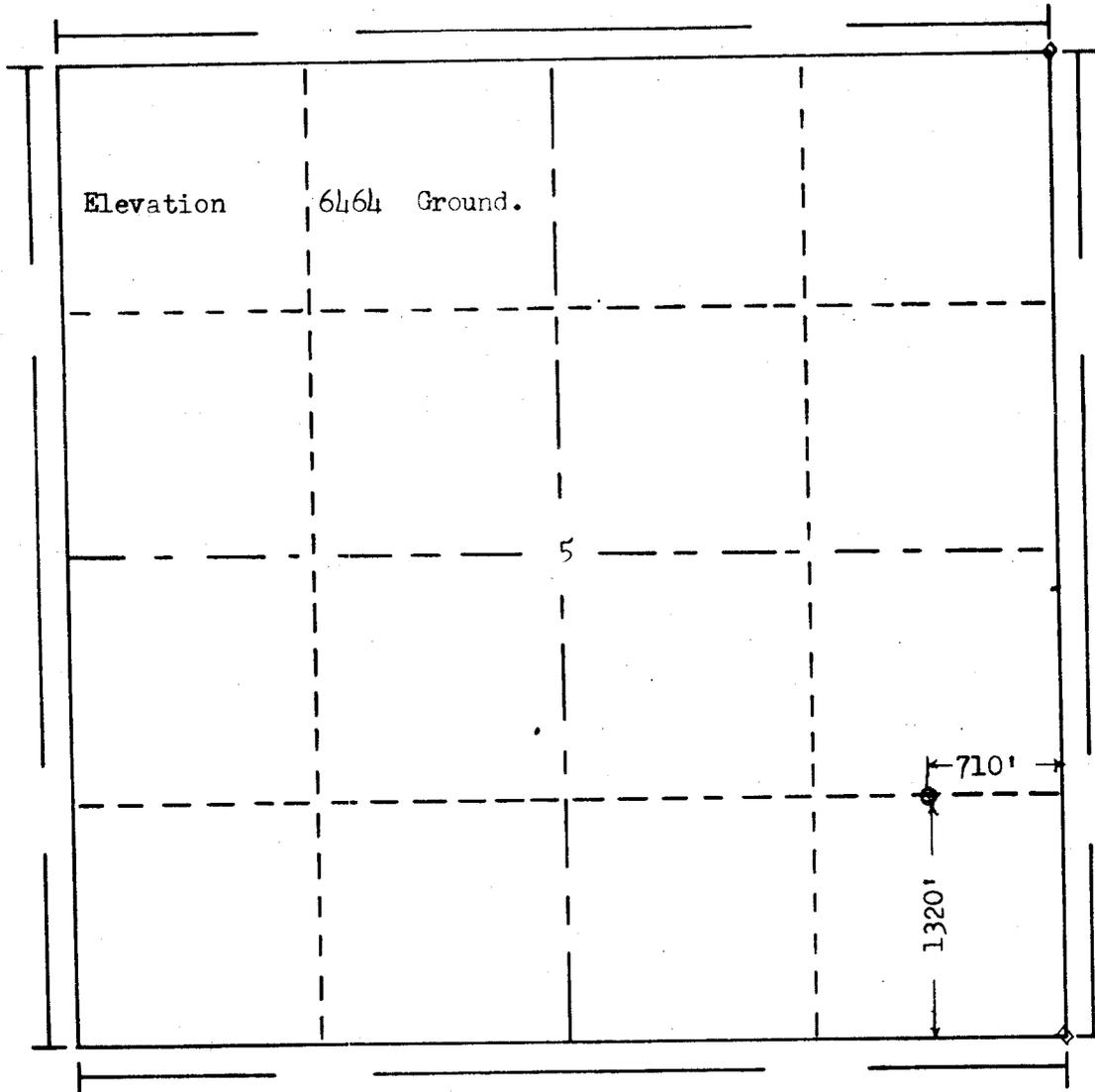
PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:



R. 7 E.



T.
2
N.

Scale... 1" = 1000'

Powers Elevation Company, Inc. of Denver, Colorado
 has in accordance with a request from Russ Pomery
 for Occidental Petroleum Corporation
 determined the location of #1 Pineview
 to be 1320'FS & 710'FE Section 5 Township 2 N.
 Range 7 E. of the Salt Lake Meridian
 Summit County, Utah

I hereby certify that this plat is an
 accurate representation of a correct
 survey showing the location of
 #1 Pineview

Date: 10-20-71

Samuel T. White
 Licensed Land Surveyor No. 2658PE.
 State of Utah

November 9, 1971

Occidental Petroleum Company
902 Patterson Building
Denver, Colorado 80202

Re: Well No. Pineview No. 1
Sec. 5, T. 2 N, R. 7 E,
Summit County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above mentioned well on said unorthodox location is hereby granted as provided for under Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure. Said approval is, however, conditional upon a drilling and plugging bond being filed with the Division as soon as possible.

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

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

This approval terminates within 90 days if the above well has not been spudded-in within said period.

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 43-043-30004.

Very truly yours,

DIVISION OF OIL AND GAS CONSERVATION

CLEON B. FEIGHT
DIRECTOR

CBF:sd

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

PLUGGING PROGRAM

NAME OF COMPANY Occidental Pet. Corp.

WELL NAME # 1 Renewer API NO: _____

Sec. 5 Township 9 N Range 7 E County Summitt

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

Total Depth: 10,530

Casing Program:

1000' of 13 3/8"
 Vic Gran (Geologist)

Formation Tops:

Wanship - surface
 Frontier - 910'
 Helven - 2920' (lots of sand (Orelean - form))
 Preece - 6660' (fish + sandstone - uniform)
 Green Creek - 8736' (uniform) salt at base (50')
 Hyrum Spring - 10,146' (congl + red sh)
 Nuggett - 10,208' (sandstone)
 little or no lost circ. - no water flow - little or no gas show.

Plugs Set as Follows:

Men: ~

- ① 100' cement plug at base of surface pipe (75% inside pipe)
- ② 200' plug from 2000 to 2200
- ③ 100' plug from 2850 to 2950
- ④ 200' plug from 5650 to 5850*
- ⑤ 100' plug from 6600 to 6700
- ⑥ 200' plug from 8600 to 8800
- ⑦ 200' plug from 10,100 to 10,300

Quartz found
 16' - from surface down
 5' - 2925 - 2975'
 37' - 8692 - 8729'
 30' - bridge 8810 - 8840
 70' - on bottom

Date: April 3, 1972 Signed: Paul H. Burchell

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

UPRR Lease
5. LEASE DESIGNATION AND SERIAL NO.
Union Pacific Railroad
6. IF INDIAN, ALLOTTEE OR TRIBE NAME

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____
b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR. Other _____

7. UNIT AGREEMENT NAME

~~Pineview~~
8. FARM OR LEASE NAME

Pineview
9. WELL NO.

One

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
SE section 5-2N-7E
SLM

12. COUNTY OR PARISH

Summit

13. STATE

Utah

2. NAME OF OPERATOR
Occidental Petroleum Corp.

3. ADDRESS OF OPERATOR
5000 Stockdale Highway, Bakersfield, Calif. 93309

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1320' FSL, 710' FEL
At top prod. interval reported below
At total depth

14. PERMIT NO. DATE ISSUED

15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 19. ELEV. CASINGHEAD
Dec. 21, 1971 Mar. 29, 1972 6487.6' KB 6464' GR

20. TOTAL DEPTH, MD & TVD 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 25. WAS DIRECTIONAL SURVEY MADE
10,527' X No

26. TYPE ELECTRIC AND OTHER LOGS RUN 27. WAS WELL CORED
DILL GR-Sonic Dip Meter 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#	1000' 1000'	17 1/2"	1330 cu ft.	

29. LINER RECORD 30. TUBING RECORD

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

31. PERFORATION RECORD (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION

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

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

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

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

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED Victor B. Gras TITLE Geologist DATE April 17, 1972

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

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

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.)

1. OIL WELL GAS WELL OTHER **Dry and abandoned**

2. NAME OF OPERATOR
Occidental Petroleum Company

3. ADDRESS OF OPERATOR
5000 Stockdale Highway, Bakersfield, Calif. 93309

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
1320' FSL, 710' FEL

14. PERMIT NO. _____

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
6464' GR 6487.60' KB

5. LEASE DESIGNATION AND SERIAL NO.
Union Pacific RR.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Pineview

9. WELL NO.
One

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
sec 5, T 2 N, R 7 E, SIM

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) _____	

(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.)*

Well plugged as follows:

- 1) 10,300-10,100' w/85 sx cement, 50-50 posmix (CIP 5:45 a.m. 4/5)
- 2) 8,800-8,600' w/85 sx as above (CIP 7:35 a.m. 4/5)
- 3) 6,700-6,600' w/65 sx as above (CIP 9:20 a.m. 4/5)
- 4) 2,950-2,850' w/65 sx as above (CIP 1:30 p.m. 4/5)
- 5) 2,200-2,000' w/130 sx as above (CIP 2:10 p.m. 4/5)
- 6) 1,025- 925' w/69 sx as above (CIP 4:45 p.m. 4/5)
- 7) 20' surface plug from 5' below ground level to 25' below ground level (CIP 5:30 a.m. 4/6)

15 surface
10' 2965 - 2975'
37' 2692 - 2729'
30' 2800 - 2840'
70 on bottom

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

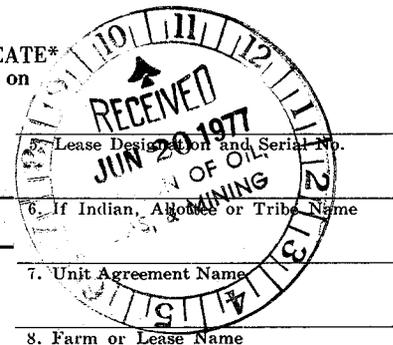
SIGNED Victor B. Hoas TITLE Consulting Geologist DATE May 18, 1972

(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 IN TRIPLICATE*
(Other instructions on reverse side)



APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work
Reentry 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: 1320' FSL, 710' FEL E $\frac{1}{2}$ of SE $\frac{1}{4}$
At proposed prod. zone: Same

5. Distance in miles and direction from nearest town or post office*
6. If Indian, Algonquian or Tribe Name
7. Unit Agreement Name
8. Farm or Lease Name
9. Well No.
10. Field and Pool, or Wildcat
11. Sec., T., R., M., or Blk. and Survey or Area
12. County or Parrish
13. State

UPRR *
5-1
Pineview
Sec. 5, T2N-R7E
Summit Utah

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any) 710'
16. No. of acres in lease 5760
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. Approx 1 mile
19. Proposed depth 10,300'
20. Rotary or cable tools Rotary

21. Elevations (Show whether DF, RT, GR, etc.) 6464' GL
22. Approx. date work will start* 7-15-77

PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
---	13 3/8"	48#	1,009'	Previously Cemented
12 1/4" & 8 3/4"	7"	23# & 26#	10,300'	Approx. 660 sx

We propose to:

Nipple up BOP stack on existing 13 3/8" casing.
Drill out cement plugs and open well with 12 1/4" and 8 3/4" hole to approx 10,300'.
Run and cement 7" casing.
MORT.
Move in completion rig.
Perforate to test Twin Creek formation.

* Well originally drilled by Occidental Petroleum Corp. as O.P.C. Pineview #1.

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 RF Reiver Title Drilling Engineer Date 6-15-77

(This space for Federal or State office use)

Permit No. Approval Date

Approved by..... Title..... Date.....

Conditions of approval, if any:

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

SUBMIT IN DUPLICATE*
(Other instructions on reverse side)

5. Lease Designation and Serial No. *Fee*

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work
Reentry 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
1320' FSL, 710' FEL E 1/2 of SE 1/4

At proposed prod. zone
Same

14. Distance in miles and direction from nearest town or post office*

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any)
710' ✓

16. No. of acres to lease
5760

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.
Approx 1 mile

19. Proposed depth
10,300'

20. Rotary or cable tools
Rotary

21. Elevations (Show whether DF, RT, GR, etc.)
6464' GL

22. Approx. date work will start*
7-15-77

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
---	13 3/8"	48#	1,009' ✓	Previously Cemented ✓
12 1/4" & 8 3/4"	7"	23# & 26#	10,300'	Approx. 660 sx

We propose to:

Nipple up BOP stack on existing 13 3/8" casing.
Drill out cement plugs and open well with 12 1/4" and 8 3/4" hole to approx 10,300'.
Run and cement 7" casing.
MORT.
Move in completion rig.
Perforate to test Twin Creek formation.

* Well originally drilled by Occidental Petroleum Corp. as O.P.C. Pineview #1.

*Re-entry
Best that off
unproven but well be
kept as sand.*

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 Drilling Engineer Date 6-15-77

(This space for Federal or State office use)

Permit No. _____ Approval Date _____

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

June 21, 1977

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

Re: Well No. UPRR #5-1
Sec. 5, T. 2 N, R. 7 E,
Summit County, Utah

Gentlemen:

Insofar as this office is concerned, approval to re-enter the above referred to well is hereby granted. However, it is suggested that should this well be unsuccessful as an oil and/or gas test, consideration be given to utilizing the well for future water disposal.

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 of this well is 43-043-30004.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT
Director

CIRCULATE TO:

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

RETURN TO Kathryn O.
FOR FILING

September 6, 1977

Memo To File:

Re: American-Quasar
UPRR 5-1
Sec. 5, T. 2 N., R. 7 E.
Summit County, Utah

This is a previously drilled test made by Occidental Petroleum and was formerly known as the Newton Sheep Company #1. American-Quasar applied for and received a permit to re-enter this well and it was granted.

As of September 7, 1977, American-Quasar planned upon re-opening the top plug and commencing operations.

PATRICK L. DRISCOLL
CHIEF PETROLEUM ENGINEER

PLD/ksw

MONTHLY PRODUCTION 1977

FIELD PINEVIEW OPERATOR AM QUASAR WELL/LEASE NAME UPRR-5-1
 SEC. 5 T. 2N R. 7E QTR./QTR. OIL x GAS PRODUCTION FORMATION TWIN CRK
 PLACED ON PRODUCTION 10-77 COMPLETION DATE 10-12-77 P&A

MONTH	CARD NO.	DAYS	OIL-BBLS	GAS-MCF	WATER-BBLS	PRODUC- ING		CARD CODE	GAS DISPOSITION		
						IN	BLE		SOLD	USE	FLARED
JANUARY	T5215	3	92	25	0	1	1	1	17		
FEBRUARY		15	440	674	333	1	1	1	502		
MARCH		7	280	270	83	1	1	1	210		
APRIL		26	1036	1398	3353	1	1	1	959	234	
MAY		23	385	678	3951	1	1	1	471	207	
JUNE		7	91	70	0 <i>Reported?</i>	1	1	1			
JULY		1	0	0	0	0	1	1			
AUGUST							1	1-12			
SEPTEMBER							1	1-12			
OCTOBER							1	1-12			
NOVEMBER							1	1-12			
DECEMBER											

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

5. LEASE DESIGNATION AND SERIAL NO.
FEE

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
UPRR

9. WELL NO.
5-1

10. FIELD AND POOL, OR WILDCAT
Pineview

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 5-2N-7E

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

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

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR. Other Reentry of Abandoned well

2. NAME OF OPERATOR (Oxy Pineview #1)
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
1320' FSL, 710' FEL (E½ SE¼)
At top prod. interval reported below
Same
At total depth
Same

14. PERMIT NO. 43-043-30004 DATE ISSUED 6-21-77

12. COUNTY OR PARISH Summit 13. STATE Utah

15. DATE REACHED 9-1-77 16. DATE T.D. REACHED 9-17-77 17. DATE COMPL. (Ready to prod.) 10-12-77 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6464' GR 19. ELEV. CASINGHEAD -----

20. TOTAL DEPTH, MD & TVD 10,534' 21. PLUG, BACK T.D., MD & TVD ----- 22. IF MULTIPLE COMPL., HOW MANY* *Dual 23. INTERVALS DRILLED BY → ROTARY TOOLS 0-TD CABLE TOOLS -----

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
9815/9850' (Twin Creek)

25. WAS DIRECTIONAL SURVEY MADE
Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN
CND w/caliper, CBL, CNL-FDC

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#	1,009'	----	Previously cemented	None
7"	23 & 26#	10,516'	12 1/4" & 8 3/4"	1200 sx	None

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8"	10,175	10,175'
2 3/8"	9,722	9,722 (Dual)

31. PERFORATION RECORD (Interval, size and number)

9815/9850' (TC) 4" csg gun 2 spf
10210/10230' (N) 2 spf
10260-10295' (N) 4" csg gun 4 spf
10310-10350' (N) 4" csg gun 4 spf

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
9815/9850'	1000 gals 15% HCl + 5% HS acid, flushed w/65 bbls wtr.

33.* PRODUCTION

DATE FIRST PRODUCTION 10-7-77 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
10-12-77	24	14/64"	→	368	143	63 (load wtr)	389:1

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
390	----	→	368	143	63	43°

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Waiting on pipe line connection 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 10-14-77

* Twin Creek - All Production
Nugget - Salt Water Disposal
*(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.)

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	TOP	
				MEAS. DEPTH	TRUE VERT. DEPTH
<p>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</p>					
		NONE		1950' 2306' 2728' 5820' 6890' 7380' 8838' 10222'	
				NAME	
				Frontier Aspen Kelvin Morrison Stump Preuss Twin Creek Nugget	
				GEOLOGIC MARKERS	

UPRR #5-1
(Re-entry)
Summit Co., Utah
8/29/77 FIRST REPORT. Location: 1320' FSL & 710' FEL
of E½ SE¼ of Section 5-2N-7E, Summit County, Utah.
(Well originally drld. by Occidental Petr. Corp. as
O.P.C. Pineview #1.) GL elev. 6464'. Now RURT -
Brinkerhoff Drlg. Co. - Rig #26.

UPRR #5-1
(Re-entry)
Summit Co., Utah
8/30/77 RURT - Brinkerhoff Drlg. Co. - Rig #26.

UPRR #5-1
(Re-entry)
Summit Co., Utah
8/31/77 RURT.

UPRR #5-1
(Re-entry)
Summit Co., Utah
9/1/77 RURT.

UPRR #5-1
Summit Co., Utah
9/2/77 Day #1 - PU DP @ 500'. MW 9.2; vis 80; WL 21.0;
pH 8.0. Ran bit #1 (12½" Smith V2HJ - SN 953JW) @ 20'.
Brake tour @ 8:00 AM 9/1/77. Pressure-tested stack &
manifold to 3000 psi, Hydril to 1500 psi. Drld. 15' cmt. in top of 13-3/8" csq.
Drld. out of cmt. @ 35' KB. KB on Brinkerhoff Rig #26: 20'. Now PU DC's
& DP @ 500'.

UPRR #5-1
Summit Co., Utah
9/3/77 2 days - TD 1752'. Washed & reamed 1252' in
11 hrs. TIH after unplugging bit. MW 8.9; vis 50; WL 4.8;
pH 9.0. Bit #1 has washed 1732' in 12 hrs. Plugged bit
while making conn. @ 1752'. POH. Cleaned jets. Now TIH.

9/4 3 days - Washing & reaming @ 2778'. Washed
1026' in 18½ hrs. MW 9.1; vis 55; WL 4.0; pH 9.0. Bit #1 has washed 2758' in
30½ hrs. Reaming wt 5,000#; RPM 60.

9/5 4 days - Washing & reaming @ 3555'. Washed
777' in 24 hrs. MW 9.2; vis 80; WL 3.8; pH 9.0. Bit #1 has washed 3535' in
54½ hrs. Had cmt. plug from 2965' to 2975'. Reaming wt 5,000#; RPM 60.

9/6 5 days - Washing & reaming @ 4973'. Washed
1418' in 20 hrs. MW 9.3; vis 100; WL 4.0; pH 9.0. Pulled bit #1 @ 3555'.
bit washed 3535' in 54½ hrs. Dull grade 2-4-1. Ran bit #2 (12½" Hughes XDV -
SN DK793). Bit has washed 1418' in 20 hrs. Reaming wt 5,000#; RPM 60.

UPRR #5-1
Summit Co., Utah
9/7/77 6 days - Washing & reaming @ 6444'. Washed 1471'
in 24 hrs. MW 9.7; vis 100; WL 4.4; pH 9.0. Bit #2 has
washed 2889' in 44 hrs. Lost 150 bbls. fluid @ 6335'.
Reaming wt 5000#; RPM 60.

UPRR #5-1
Summit Co., Utah
9/8/77 7 days - Washing & reaming @ 8034'. Washed
1590' in 19 hrs. MW 9.6; vis 120; WL 7.0; pH 10.9.
Bit #2 has washed 4479' in 63 hrs. Washing wt 5000#;
RPM 120.

UPRR #5-1
Summit Co., Utah
9/9/77 8 days - Washing & reaming @ 8970'. Washed
926' in 13½ hrs. MW 9.4; vis 122; WL 7.1; pH 10.6.
Pulled bit #2 @ 8392'. Bit washed & reamed 4837' in
72½ hrs. Dull grade 2-2-1. Ran bit #3 (9-7/8" Hughes OWV - SN MX737).
Bit has washed 576' in 6 hrs. Reduced hole from 12½" to 9-7/8" @ 8392'.
H.M. DP--no correction. Drld. cmt plug 8692-8729'. Now washing & reaming.
Total cost to date: \$119,305

UPRR #5-1
Summit Co., Utah
9/10/77 9 days - TD 10,534'. Washed 1564' in 20½ hrs.
Circ. & cond. hole for logs. MW 9.5; vis 85; WL 7.4;
pH 10.0. Bit #3 has washed 2142' in 28½ hrs.
Reaming wt 5-10,000#; RPM 90-100.

9/11 10 days - TD 10,534'. Attempting to run logs.
MW 9.6; vis 80; WL 7.2; pH 10.3. Finished cond. hole for logs. Pulled bit #3
@ 10,534'. Bit washed & reamed 2142' in 28½ hrs. Attempted to run logs.
Log stopped @ 1730'. TIH w/9-7/8" bit to 2332'. Circ. & cond. hole. POH.
Attempted to run logs--w/o success. Ran 12½" bit to 8393'. Circ. & cond. hole.
POH. While running CND Log w/Caliper, log stopped @ 8630'. Now logging out.

9/12 11 days - TD 10,534'. Attempting to log w/Schl.
MW 9.7; vis 130; WL 6.0; pH 10.0. Finished logging out. Logged from 8670' to
970'. PU & TIH w/9-7/8" bit. Cleaned out bridge 8810-8840' & 70' of fill on bottom.
Circ. bottoms up; chained out. Attempted to log. Log stopped @ 1737'. TIH w/
12½" bit to 2500'. POH. Attempted to run logs. Log stopped @ 1737'. POH.
PU & TIH w/9-7/8" bit to 2200'. POH. Log stopped @ 1733'. TIH slick--no bit--
to 2200'. Did not circ. POH w/o rotating. Attempted to log. Log stopped @ 1737'.
Now waiting on flexible guide for logging tool.

UPRR #5-1
Summit Co., Utah

9/13/77 12 days - TD 10,534'. WO 7" csg.
MW 9.7; vis 145; WL 5.6; pH 9.7. Installed flexible guide
on logging tool. TIH. Ran CND Log w/Caliper 8650-10,537'
(Schl. TD). POH. Now WO 7" csg.

UPRR #5-1
Summit Co., Utah

9/14/77 13 days - TD 10,534'. Pulling wear ring.
MW 9.7; vis 125; WL 6.1; pH 10.0. TIH. Circ. &
cond. mud. LD DP & DC's. Now pulling wear ring
prep to run 7" csg.

UPRR #5-1
Summit Co., Utah

9/15/77 14 days - TD 10,534'. WOC 7" csg.
MW 9.7; vis 125; WL 6.1; pH 10.0. Finished pulling wear
ring. RU & ran 7" from bottom up as follows:

Howco differential shoe	2.43'
1 jt 7" 26# S-95	41.26'
Differential float collar	1.99'
56 jts 7" 26# S-95 sd-blasted csg	2,498.06'
19 jts 7" 26# S-95 csg (unblasted)	845.28'
16 jts 7" 23# S-95 csg	716.08'
160 jts 7" 23# N-80 csg	6,482.18'
Total:	10,587.82'

Landed @ 10,516' KB. Ran 14 centralizers & 2 cmt. baskets.
Cemented as follows: Pumped 10 BW, followed by 450 sx 50-50 Pozmix, 4% gel,
10#/sk Gilsomite, 1/4#/sk Flocele, 3/4 of 1% CFR₂, .2% HR₄, followed by 750 sx
50-50 Pozmix, 2% gel, 1/4#/sk Flocele, 10% salt, 1% CFR₂, .2% HR₄. Ran 2 wiper
plugs; displaced w/214 bbls. 3% Pot. Chl. wtr. Bumped plug w/2000 psi.
Bled back 3 bbls. PD 11:27 PM 9/14/77. Now ND, prep to set slips.

UPRR #5-1
Summit Co., Utah

9/16/77 15 days - TD 10,534'. WOC & adapter flange.
Set 7" csg. slips; cut off csg. Stripped 12" ROP Assy.
Now WO 12" 3000 x 10" 3000 adapter flange. Will NU today.
Total cost to date: \$284,760

UPRR #5-1
Summit Co., Utah

9/17/77 16 days - TD 10,534'. Rec'd adapter flange
on loc. Ran CBL. Released rig to Prod. Dept.
(Drop from drilling report.)

UPRR #5-1
Summit Co., Utah

9/20/77 PU 6 1/8" bit & csg scraper. RIH on 2 7/8" tbg to 10,447'.
Tested stack to 1500 psi. POH. Now RU to perf 10,210-30' (Nugget)
Completion Cost to Date \$16,850

9/21/77 Perfd Nugget 10,210-30 (20') CNL-FDC 2 spf. PU retrievable
packer & test valve. RIH on 2 7/8" tbg. Set packer @ 10,172'. Installed tree. Opened
test valve w/tree SI. In 2 hrs SITP was 150 psi. Opened well on 3/4" ck. Well was dead
in 15 min. Now RU swabbing unit.
Completion Cost to Date \$25,050

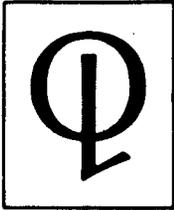
UPRR #5-1
Summit Co., Utah

9/22/77 SITP-0; FL-3700'. RU Maddux. Swabbed 3 hrs; rec 75 BH
w/slite gas show, no oil. FL-300'. Loaded tbg w/2% KCl wtr.
Released pkr. POH. RU Petrolog; perfd Rich 9815-50' 2 spf w/
4" csg gun (corr. to CNL FDC). TIH w/Baker packer & RBP.
Completion Cost to Date \$33,750

UPRR 5-1

9/24-25-26/77 Well SI. RDR T

\$284,760
33,750
\$318,510



AMERICAN QUASAR PETROLEUM CO.
OF NEW MEXICO

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

October 14, 1977

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

Attn: Cleon B. Feight

Gentlemen:

Subject: UPRR #5-1, Dual SWD & Twin Creek Producing Well, Pineview Field,
Summit County, Utah

Attached is the completion report for the captioned well which has been dually completed in Nugget and Twin Creek formations, for water disposal in the Nugget and oil production from the Twin Creek sand. Also attached is a schematic diagram of the well's downhole completion equipment.

This letter is to request commission approval for produced water disposal into the Nugget perforations 10,210-230', 10,260-295', and 10,310-350' in the captioned well. We currently produce approximately one hundred barrels per day of formation water for our entire Pineview Field and anticipate water production greatly in excess of this.

We believe that the UPRR 5-1 Nugget will be an ideal disposal point for produced waters from the Twin Creek and Nugget reservoirs in the Pineview Field. We further believe that this completion provides excellent mechanical control to assure that produced waters are confined to the Nugget formation below its oil water contact and will in no way adversely affect the correlative rights of Pineview Field's working interest or royalty owners.

We will provide the commission with detailed plans for surface collection and injection facilities which will be utilized for water disposal into the 5-1 well.

Please advise if additional information is needed.

Very truly yours,


A. H. Hurley, Jr.
Division Operations Manager

AHH:1d

Enc.

American Quasar Petroleum

WPRR No. 5-1

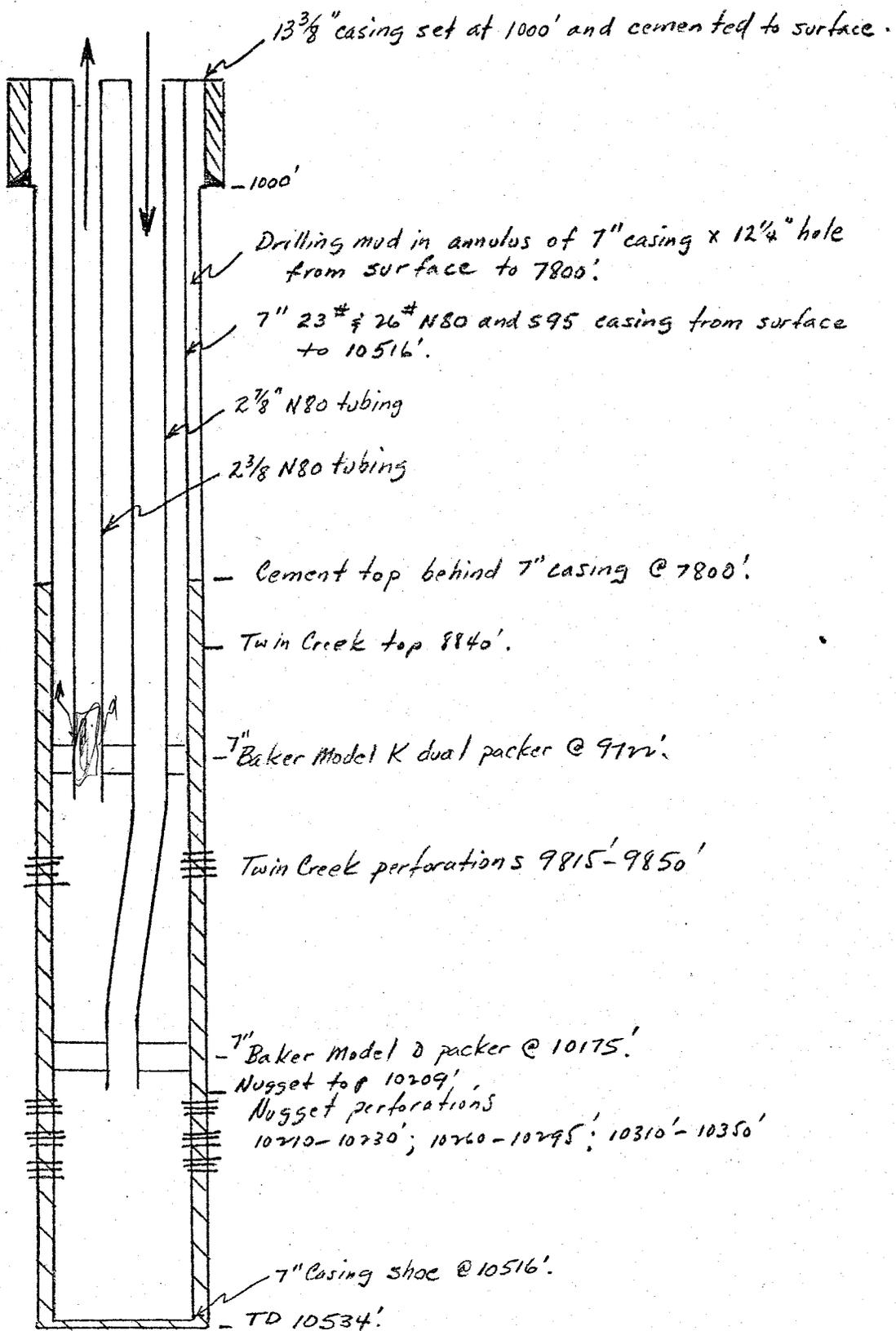
Dual Nugget Disposal - Twin Creek Producer

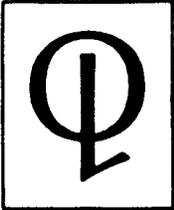
1370' FSL 710' FEL Sec 5-2N-7E,

Pineview Field, Summit Co., Utah

COMPLETION SCHEMATIC

* All measurements are from KBE 6488'





AMERICAN QUASAR PETROLEUM CO.
OF NEW MEXICO

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

December 19, 1977

prdo

P

P

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

Attn: Mr. Pat Driscoll

Gentlemen:

Subject: UPRR 19-1 and UPRR 5-1, Summit County, Utah

Persuant to our phone conversation of this afternoon, I am writing to request permission to continue flaring gas for a period of sixty days from today on the two captioned wells.

Due to protracted right-of-way negotiations (which are currently being finalized), we have been unable to commence construction of the gas lines for these wells.

Barring any unforeseen difficulties, both lines should be completed before February 19 of next year. Recent gas production on the UPRR 19-1 was 194 mcf/d and on UPRR 5-1, 149 mcf/d.

If there are any complications or any questions which I can answer, please contact me at the above phone number.

Thank you,

R. F. Reiner
Production Superintendent

RFR:ld

CIRCULATE TO:

DEPT. OF
ENERGY
OFFICE OF
OIL RESERVES
WASHINGTON, D.C.

Kathy Wells

December 20, 1977

Memo To File:

Re: American Quasar Petroleum Company
UPRR 19-1 & UPRR 5-1
Summit County, Utah

American Quasar today, December 19, 1977 requested permission to flare excess gas from wells 19-1, and 5-1. The reason is, that inclusion of both these wells for production purposes has not been permitted sufficient room within the gas plant gathering system. Hopefully, this will be corrected before the year is out.

Pat

PATRICK L. DRISCOLL
CHIEF PETROLEUM ENGINEER

PLD/ko



AMERICAN QUASAR PETROLEUM CO.

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

OUR NEW ADDRESS:
204 SUPERIOR BLDG.
201 NO. WOLCOTT

February 2, 1978

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

CIRCULATE TO:

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

RETURN TO *Kathy A.* FOR FILING

Attention: Patrick L. Driscoll
Chief Petroleum Engineer

Re: Bingham #2-3
SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 2-2N-7E
and
UPRR #5-1
E $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 5-2N-7E
Summit County, Utah

Buck or Brian

Gentlemen:

Pursuant to your request, we enclose herewith Eastman Whipstock Directional Survey dated 12/10/77 and Schlumberger Directional Log dated 1/15/78 covering the Bingham #2-3.

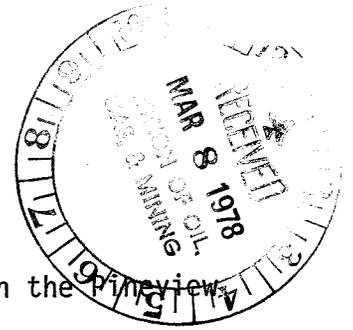
Since the UPRR #5-1 was a re-entry on a well originally drilled by Occidental Petroleum Corporation as Pineview #1, we did not run any deviation surveys and, therefore, do not have these records available to us.

If we can furnish any additional information, please advise.

Very truly yours,
John F. Sindelar
John F. Sindelar
Division Drilling Supt.

bh
Enc's

CONSTRUCTION AND OPERATING DETAILS
PINEVIEW WATER REINJECTION FACILITY



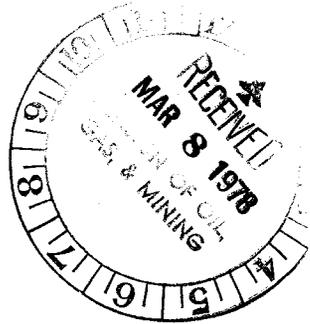
1. Water produced from the Twin Creek and Nugget formations within the Pineview field will be reinjected into the Nugget formation.
2. The initial reinjection well will be the UPRR 5-1 location in the E $\frac{1}{2}$ SE $\frac{1}{4}$, Section 5-T2N-R7E, Summit Co., Utah. Water will be injected down the long string into perforations from 10,210' to 10,350' (3,722' to 3,862' subsea).
3. Initial thruput capacity will be approximately 2700 bbls. per day. The facilities will be expandable to an ultimate capacity of approximately 10,000 bbls. per day. (Current water production from Quasar operated wells is approximately 1100 bbls. per day.)
4. One-eighth of the system capacity will be available for reinjection of water produced from Champlin operated wells. Equitable terms will be negotiated if and when Champlin requires water reinjection.
5. Line pipe to be used for shipping and injection lines is 4 $\frac{1}{2}$ " OD 0.156" wall x-42 belled end welded steel, internally plastic coated.
6. The wellhead to be utilized on the UPRR 5-1 is a Rector 6" 5000 psi WP x 2 7/8" x 2 3/8" dual upper section with two block master valves on each string. This assembly will be pressure tested for tubing-tubing and tubing-annulus isolation to 5000 psi.
7. Casing in the UPRR 5-1 is as follows from surface down:

160 jts 7" 23# N80 LT&C
16 jts 7" 23# S95 LT&C
75 jts 7" 26# S95 LT&C
Float collar
1 jt 7" 26# S95 LT&C

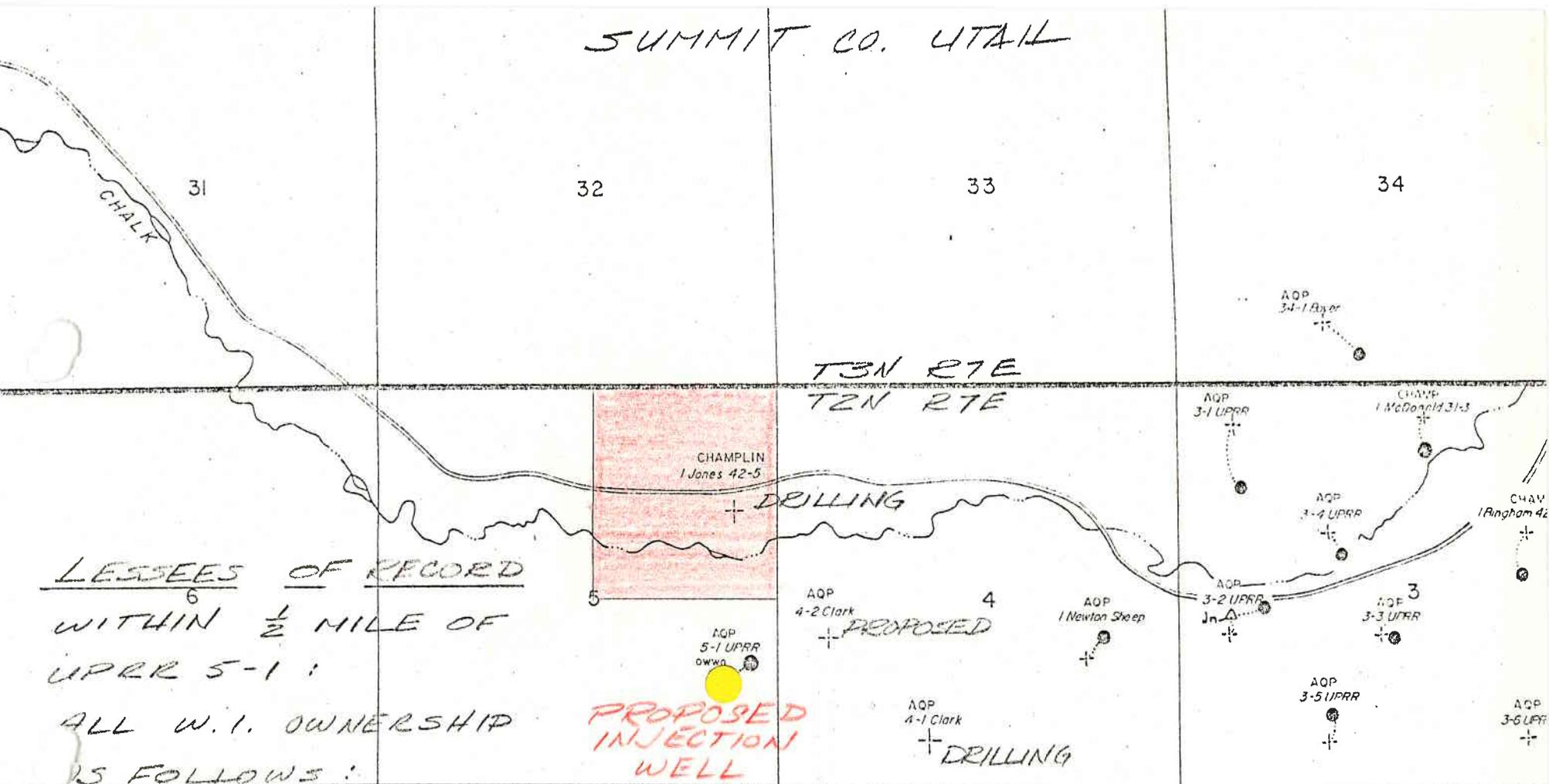
Casing is cemented with 1200 sx of 50/50 Pozmix. Cement top indicated to be approximately 7800' by CBL.

8. The casing string was tested on September 20, 1977, to 1500 psi above a column of water. The casing above the upper packer will be similarly tested before commencing injection.
9. The injection tubing string consists of 2 7/8" 6.5# N80 DSS tubing (all internally plastic coated) with the following equipment:
 - a. Baker model K dual packer at 9950'.
 - b. Baker model G seal assembly
 - c. Baker model DB single retainer packer @ 10,175' with millout extension containing two seating profile nipples and a check valve.

10. Recording pressure and flow meters will be utilized to monitor injection pressures and volumes.
11. Bottom hole injection pressures will not exceed a 0.65 psi per foot fracture gradient.
12. Water production from all Quasar operated wells which feed the system and total volume injected through the system will be reported to the Division of Oil, Gas and Mining monthly.
13. Any pits to be built for tank overflow or emergency shutdown capacity will be limited to the size necessary to contain four days production of water.



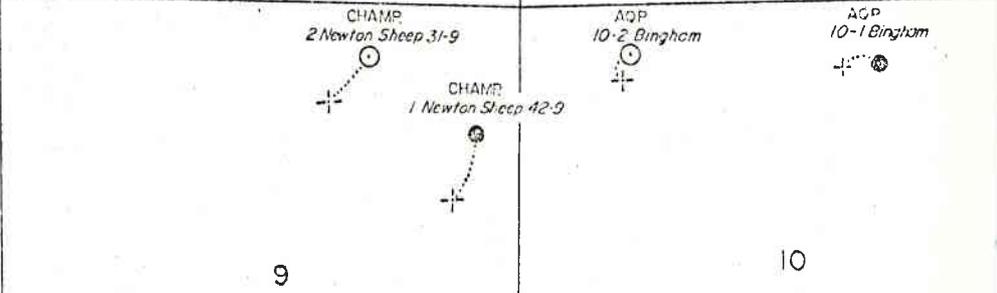
SUMMIT CO. UTAH



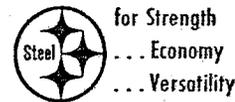
LESSEES OF RECORD
 WITHIN 1/2 MILE OF
 UPRR 5-1:

ALL W.I. OWNERSHIP
 IS FOLLOWS:

AMER QUASAR	13.750%
AMOCO PROD CO	20.000%
SUN OIL CO	12.500%
ENERGETICS INC	10.625%
OXY	10.000%
NORTH CENTRAL OIL	3.125%
<u>EXCEPT NE 1/4</u> SEC 5 WHICH IS CHAMPLIN UNLEASED.	



BETHLEHEM STEEL CORPORATION
SUPPLY DIVISION



QUOTATION

Quotation No. JFH-1539-X-1

Date January 20, 1978

To American Quasar Petroleum Company

Page 2 of 10

Issuing Office

P. O. Box 2171

Tulsa, OK 74102

Item No. Quantity

I Injection Plant

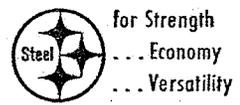
CONDITIONS

INITIAL ULTIMATE

Fluid	Salt Water	Salt Water
Volume @ 100% Ev	2708 BPD	5107 BPD
Suction	Flooded	Flooded
Discharge	639	639
Pump Speed	217 RPM	406 RPM
Motor Speed	1160 RPM	1160 RPM
Pump Sheave	37.5"	37.5"
Motor Sheave	7.1"	13.2"
Brake Horsepower Req'd	33	62
Number of pumps	1	1
Plunger size	3"	3"

- | | | |
|---|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | 2 | B-90-RMA Bethlehem 2" to 3" x 4" Horizontal Triplex Plunger Pump, rated at 6,600 lbs. plunger load, totally enclosed, flood lubricated power end, roller bearing mounted crankshaft, Aluminum Bronze fluid end with bolted Aluminum Bronze cylinder heads and valve covers, cradle cover, lubricated stuffing boxes with screw type bronze glands, H-B Style 2250 Monel Valve Assemblies & Delrin Discs and with 3" Ceramic Plungers, 3" 150 lb. ASA suction and 2" 900 lb. ASA discharge flanged connections, Murphy L-129-B-4 high-low adjustable crankcase oil level safety switchgag, LESS SKID. |
| 2 | 2 | Stuffing box force feed lubrication assembly TL-14398 including 3-feed 8 pint lubricator, mounting brackets and drive, installed at factory. |
| 3 | 2 | Power Assembly for electric motor consists of: Skid, sub-base, belt guard and slide rails. |
| 4 | 2 | 75 HP, 3 phase, 60 cycle, 230/440 volt, 1200 RPM, dripproof, NEMA C electric motor with inherent protection. |

BETHLEHEM STEEL CORPORATION
SUPPLY DIVISION



QUOTATION

Quotation No. JFH-1539-X-1...

Date January 20, 19 78

To American Quasar Petroleum Company..

Page 3 of 10

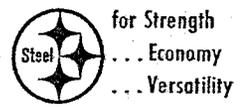
Issuing Office

P. O. Box 2171

Tulsa, OK 74102

Item No.	Quantity	
5	2	37.5" 4 gr 5V pump sheave w/ F hub
6	2	7.1" 4 gr 5V motor sheave w/ SF hub
7	2 set	(4 per set) 5V-1700 belts
8	12	3/4 x 18 L head foundation bolts w/ 2 hex nuts ea.
9	12	3 x 10 metal grant tubes
10	2	<p>Murphy Waterflood Control Panel with hydraulic section isolated from electrical section, panel to operate one Bethlehem B-90R pump and 75 HP motor, panel to indicate with tattletales, activate beacon and perform the following:</p> <p>A. Injection Pump</p> <ol style="list-style-type: none"> 1. Stop pump on low tank level, restart on rising tank level (OPL-H-30) light 2. Stop pump on high-low discharge pressure (OPL-F-1000), tattletale 3. Stop pump on low oil level (L-129-B-4) tattletale 4. Automatic restart of pump after power failure <p>B. Panel to have motor starter for 75 HP, 440 volt electric motor with inherent protection</p> <p>C. Panel to have pulsation dampeners</p> <p>D. H-O-A switch on front of panel.</p> <p>E. Fusible disconnect with interlock handle so door cannot be opened with power on.</p> <p>F. All tattletales to have dust covers.</p> <p>G. Adjustable time delay to lockout shutdowns during automatic start-up.</p> <p>H. Panel to contain lightning arresters, all lights, relays, terminal blocks, switches, etc. for complete electrical control.</p> <p>I. Rotating red beacon light furnished as loose item</p>

BETHLEHEM STEEL CORPORATION
SUPPLY DIVISION



QUOTATION

Quotation No. JFH-1539-X-1

Date January 20, 1978

To American Quasar Petroleum Company

Page 4 of 10

Issuing Office

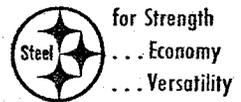
P. O. Box 2171

Tulsa, OK 74102

Item No.	Quantity	
11	1	<p>Prefabricated sheet metal flat roof building 14' - 8" wide x 42' - 8" long x 10' - 0" high complete with the following:</p> <ul style="list-style-type: none"> 2 - 3070 single swing glazed door 2 - 10' x 9' overhead door 3 - H-4040 horizontal slide window 4 - 12" dia stationary ventalators 1 - Lot insulation for walls and roof with metal Liner on walls and roof (3" thick on walls, 2" thick on roof) 1 - Lot erection on foundation by others 1 - H-2830 Horizontal slide window <p>Note: Building to have baked on enamel finish, light green</p>
12	2	<p>Bryant Model 100-342 Ceiling height gas heater complete w/ low voltage (T8-19A) thermostat and 1/15 HP electric motor 80,000 BTU output</p>
13	1	<p>15' - 4-5/8" dia. x 24' high, 750 BBL, bolted, galvanized steel tank with the following:</p> <ul style="list-style-type: none"> 1 - 24" x 36" extended type cleanout 1 - Combination thief hatch 1 - Inside ladder 1 - Outside ladder with safety loop 1 - 20" dome with 2" thd. top connection 3 - 8" thd. connection 2 - 6" thd. connection 1 - 6" thd. connection for top 2 - 4" thd. connection 3 - 2" thd. connection 1 - Galvanized foundation ring 1 - Lot labor and material to insulate tank

Delivered and erected on foundation prepared by others.

BETHLEHEM STEEL CORPORATION
SUPPLY DIVISION



for Strength
... Economy
... Versatility

QUOTATION

Quotation No. JFH-1539-X-1

Date January 20, 1978

To American Quasar Petroleum Company

Page 5 of 10

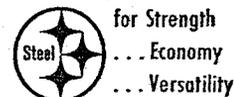
Issuing Office

P. O. Box 2171

Tulsa, OK 74102

Item No.	Quantity	Description
14	2	Eaton DB02 15RF 048-3052 Al Bronze, mitrile boat, stainless steel spring, in-line hydraulic discharge desurger w/ 1500 ASA RF x 3" flanged end caps
15	2	Eaton DA 06 00HP 064-4052 stainless steel for all wetted parts, 4" victaulic connections, in-line suction desurger
16	1	#1108 Chuck and 8 ft hose assembly
17	1	Pressure testing unit - consisting of Chuck, 1/8" swage, Collar and extra gauge
18	1 lot	Miscellaneous valves and fittings for injection plant
		Total, Items 1 thru 18 Injection Plant

BETHLEHEM STEEL CORPORATION
SUPPLY DIVISION



QUOTATION

Quotation No. JFH-1539-X-1

Date January 20, 1978

To American Quasar Petroleum Company

Page 6 of 10

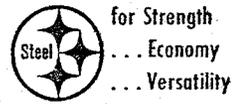
Issuing Office

P. O. Box 2171

Tulsa, OK 74102

Item No.	Quantity	Description	<u>CONDITIONS</u>	
			<u>INITIAL</u>	<u>ULTIMATE</u>
		II Transfer Station		
			Fluid	Salt Water
			Volume	2742 BPD
			Suction	Flooded
			Discharge	47' Head
			Brake Horsepower Req'd.	7-1/2
			Pump Speed	3500 RPM
			Number of Pumps	1
			Impeller	4-1/2"
19	2	Mission 1-1/2 x 2 R Aluminum Bronze Fitted Centrifugal Pump, 1-1/8" Pedestal, 4-1/2" Impeller with 15 HP, 3600 RPM, 3 phase 60 cycle 230/460 volt dripproof motor FB2 Base, Woods Type L Coupling and Coupling Guard, R Type		
20	2	Murphy Control Panel to operate one Centrifugal Pump with 15 HP motor.		
		A. Pump		
		1. Stop Pump on Low Tank Level Restart on Rising Tank Level. (OPL-H-30) Light		
		2. Automatic Restart of Pump after power Failure		
		B. Panel to have motor starter for 15 HP 440 Volt Electric Motor		
		C. Panel to contain all Light Relays, Terminal Blocks, Switches, etc. For Complete electrical control		
21	1	Prefabricated sheet metal flat roof building 10' - 8" wide x 13' - 4" long x 8' - 0" High complete with the following:		
		1 - 6070 Double Swing Glaze door		
		2 - H 4040 Horizontal Slide window		
		1 - 12" dia stationary ventalator		
		1 - Lot insulation for walls and roof (3" Thick on walls, 2" thick on roof)		

BETHLEHEM STEEL CORPORATION
SUPPLY DIVISION



QUOTATION

Quotation No. JFH-1539-X-1...

Date. January 20, 1978

To. American Quasar Petroleum Company.

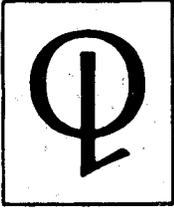
Page... 7 ... of ... 10 ...

Issuing Office

P. O. Box 2171

Tulsa, OK 74102

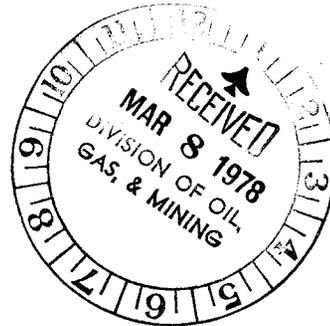
Item No.	Quan- tity	
		1 - Lot erection on Foundation by others
		Note: Building to have baked on enamel Finish, Light Green
22	1	Bryant Model 50-342 Ceiling height Gas heater complete with Low Voltage (T8-19A) Thermostat and 1/40 HP electric motor 40,000 BTU Output.
23	1	15' - 4-5/8" Dia x 16' High, 500 BBL. Bolted Galvanized Steel Tank with the following: <ul style="list-style-type: none"> 1 - 24" x 36" extended type cleanout 1 - Combination Thief Hatch 1 - Inside Ladder 1 - Outside Ladder with Safety Loop 1 - 20" dome with 2" Thd. Top Connection 3 - 4" Thd. Connection 2 - 3" Thd. Connection 2 - 2" Thd. Connection 1 - 4" Thd. Connection for Top 1 - Galvanized Foundation Ring 1 - Lot Labor and material to insulate Tank <p>Delivered and erected on Foundation Prepared by others.</p>
24	1	Lot miscellaneous Valves and Fittings for Transfer Station <p style="text-align: center;">Total, Items 19 thru 24 Transfer Station</p>



AMERICAN QUASAR PETROLEUM CO. OF NEW MEXICO

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

March 6, 1978



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

Attn: Pat Driscoll

Gentlemen:

Subject: Application to Reinject Produced Water, Pineview
Field, Summit Co., Utah

In accordance with Rule C-11 and pursuant to our telephone conversations with Mr. Pat Driscoll, I am enclosing the pertinent details of our proposed water reinjection project.

Attached please find the following:

1. Plat showing the proposed injection well and surrounding area. The acreage shown in red is owned by Champlin and unleased. The remainder within one-half mile of the proposed injection well is under undivided working interest ownership as listed on the plat.
2. BHC sonic-GR log of the proposed injection well. (Other logs of this well should be on file with the commission. Original well name: Occidental Petroleum Corporation Pineview #1. Renamed: American Quasar Petroleum Co. et al UPRR 5-1)
3. Schematic diagram of proposed collection and injection facilities and injection well.
4. Construction and operation details.

Division of Oil, Gas & Mining
March 6, 1978
Page 2

We anticipate commencing construction on or about March 21 of this year and hope to begin injection in early April.

If further information is necessary for approval of this proposal, please contact me at the above address or call 303/861-8437.

A copy of this application has been sent this date to Champlin Petroleum Co., P. O. Box 1257, Englewood, CO 80150.

Sincerely,



R. F. Reiner
Production Superintendent

RFR:ld

Enc.



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

SUBMIT TRIPPLICATE*
(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 type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER Salt Water Disposal System		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR American Quasar Petroleum Co. of New Mexico		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 707 United Bank Tower, 1700 Broadway, Denver, CO 80290		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. UPRR 5-1
15. ELEVATIONS (Show whether DF, RT, OR, etc.)		10. FIELD AND POOL, OR WILDCAT
		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA 5-2N-7E
		12. COUNTY OR PARISH 13. STATE

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) _____	

(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 intention to install and begin operation of salt water disposal facility. See attached.



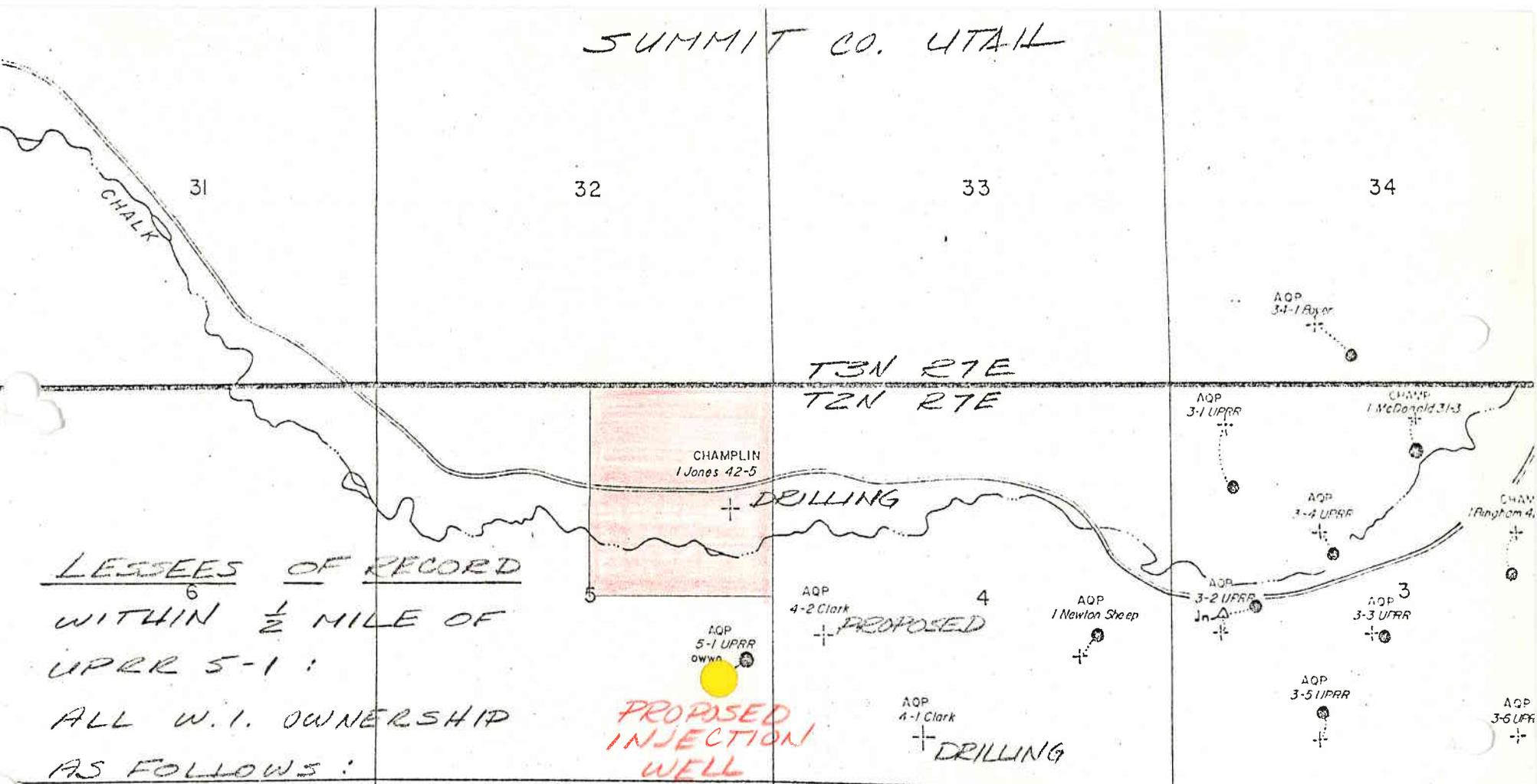
18. I hereby certify that the foregoing is true and correct

SIGNED R. Reimer TITLE Production Superintendent DATE 3-6-78

(This space for Federal or State office use)

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

SUMMIT CO. UTAH



LESSEES OF RECORD
 WITHIN $\frac{1}{2}$ MILE OF
 UPRR 5-1:

ALL W.I. OWNERSHIP
 AS FOLLOWS:

MER QUASAR	13.750%
AMOCO PROD CO	20.000%
SUN OIL CO	12.500%
ENERGETICS INC	10.625%
OXY	10.000%
NORTH CENTRAL OIL	3.125%
<u>EXCEPT NE $\frac{1}{4}$ SEC 5 WHICH IS CHAMPLIN UNLEASED.</u>	

CHAMPLIN UNLEASED.

CONSTRUCTION AND OPERATING DETAILS
PINEVIEW WATER REINJECTION FACILITY



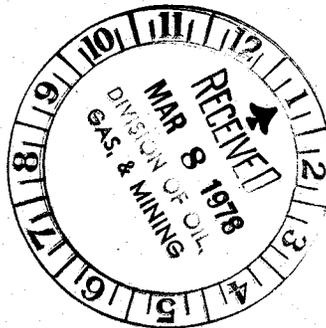
1. Water produced from the Twin Creek and Nugget formations within the Pineview field will be reinjected into the Nugget formation.
2. The initial reinjection well will be the UPRR 5-1 location in the E $\frac{1}{2}$ SE $\frac{1}{4}$, Section 5-T2N-R7E, Summit Co., Utah. Water will be injected down the long string into perforations from 10,210' to 10,350' (3,722' to 3,862' subsea).
3. Initial thruput capacity will be approximately 2700 bbls. per day. The facilities will be expandable to an ultimate capacity of approximately 10,000 bbls. per day. (Current water production from Quasar operated wells is approximately 1100 bbls. per day.)
4. One-eighth of the system capacity will be available for reinjection of water produced from Champlin operated wells. Equitable terms will be negotiated if and when Champlin requires water reinjection.
5. Line pipe to be used for shipping and injection lines is 4 $\frac{1}{2}$ " OD 0.156" wall x-42 belled end welded steel, internally plastic coated.
6. The wellhead to be utilized on the UPRR 5-1 is a Rector 6" 5000 psi WP x 2 7/8" x 2 3/8" dual upper section with two block master valves on each string. This assembly will be pressure tested for tubing-tubing and tubing-annulus isolation to 5000 psi.
7. Casing in the UPRR 5-1 is as follows from surface down:

160 jts 7" 23# N80 LT&C
16 jts 7" 23# S95 LT&C
75 jts 7" 26# S95 LT&C
Float collar
1 jt 7" 26# S95 LT&C

Casing is cemented with 1200 sx of 50/50 Pozmix. Cement top indicated to be approximately 7800' by CBL.

8. The casing string was tested on September 20, 1977, to 1500 psi above a column of water. The casing above the upper packer will be similarly tested before commencing injection.
9. The injection tubing string consists of 2 7/8" 6.5# N80 DSS tubing (all internally plastic coated) with the following equipment:
 - a. Baker model K dual packer at 9950'.
 - b. Baker model G seal assembly
 - c. Baker model DB single retainer packer @ 10,175' with millout extension containing two seating profile nipples and a check valve.

10. Recording pressure and flow meters will be utilized to monitor injection pressures and volumes.
11. Bottom hole injection pressures will not exceed a 0.65 psi per foot fracture gradient.
12. Water production from all Quasar operated wells which feed the system and total volume injected through the system will be reported to the Division of Oil, Gas and Mining monthly.
13. Any pits to be built for tank overflow or emergency shutdown capacity will be limited to the size necessary to contain four days production of water.



file

March 27, 1978

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

Re: Well No. UPRR 5-1
Sec. 5, T. 2 N, R. 7 E,
Summit County, Utah

Gentlemen:

No objections having been received within the fifteen day period, administrative approval is hereby granted to inject produced water into the above described well.

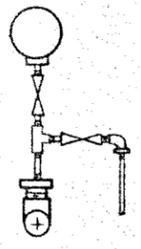
Said approval shall be granted in accordance with Rule C-11 of the General Rules and Regulations and Rules of Practice and Procedure.

Very truly yours,

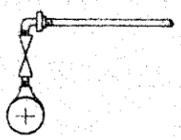
DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT
Director

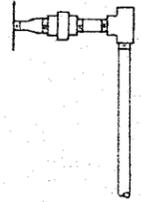
FREEZE BOX



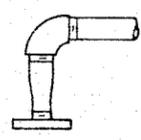
1/2" DISCHARGE
AIR BLEED
3/4" = 1'-0" SCALE



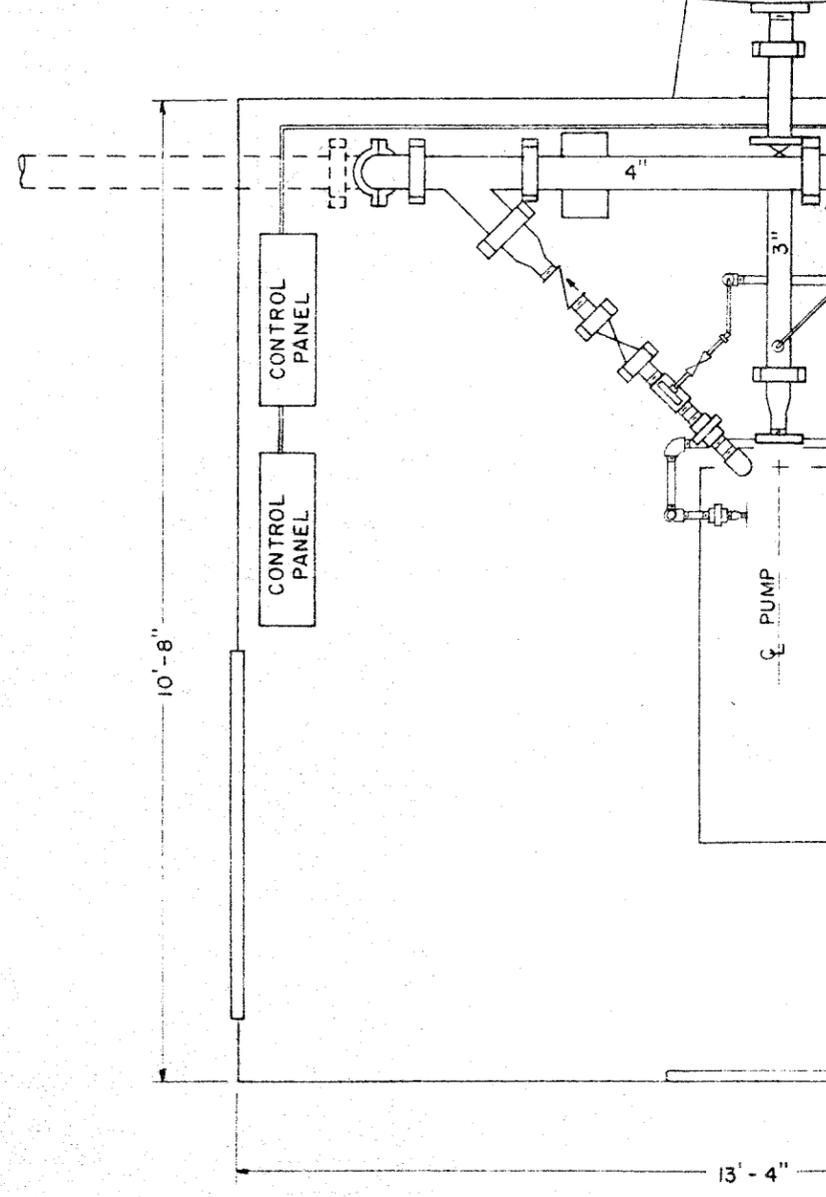
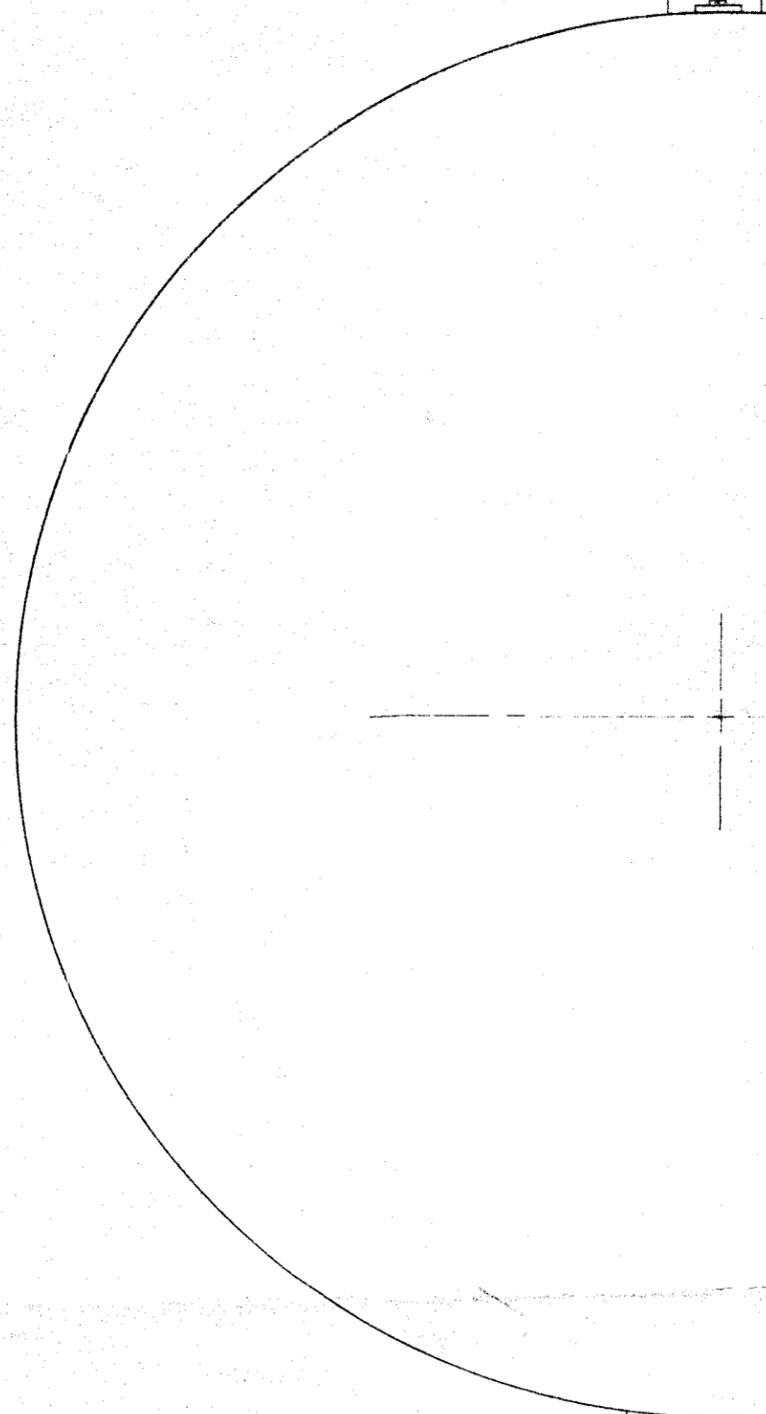
1/2" SUCTION
AIR BLEED
3/4" = 1'-0" SCALE

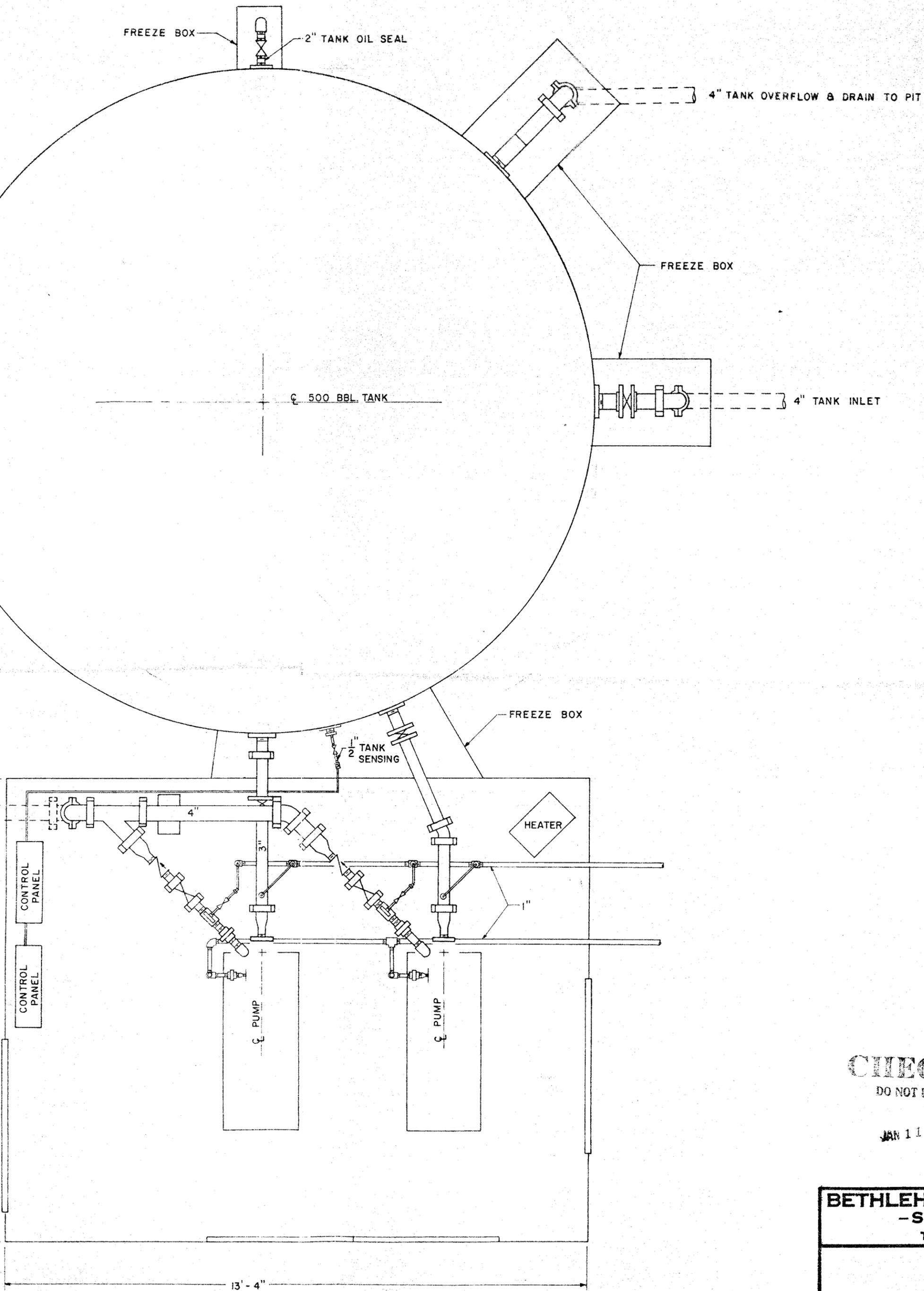


1" PUMP CRADLE DRAIN
3/4" = 1'-0" SCALE



2" DISCHARGE DETAIL
3/4" = 1'-0" SCALE

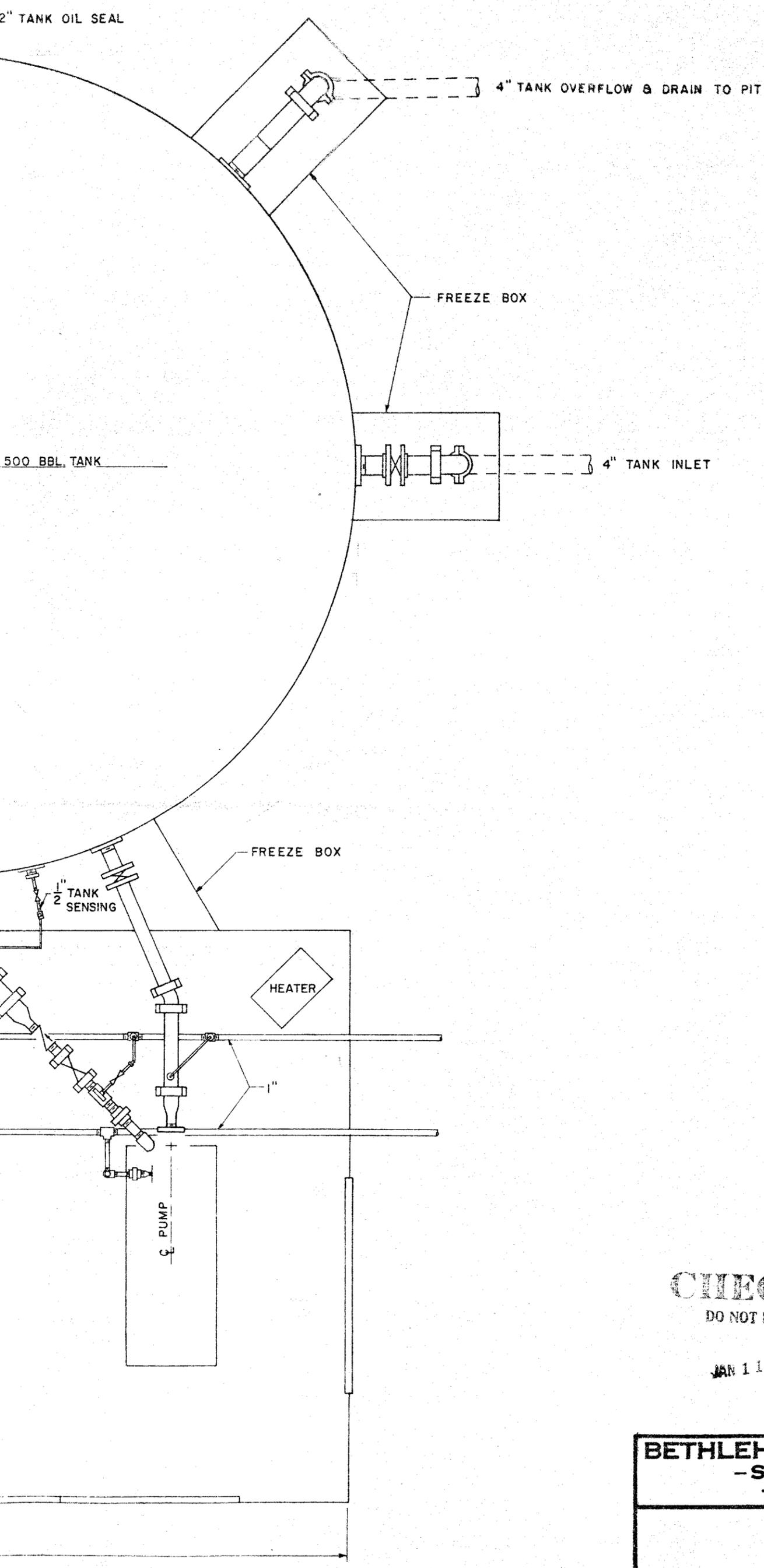




CHECK
DO NOT USE FOR

JAN 11 1978

BETHLEHEM	
- SUP	
TULSA	
AM	
TR	
REF. JFH-1539-X-1	
DATE 1-10-78	DR.
SCALE 1/2" = 1'-0"	CR.

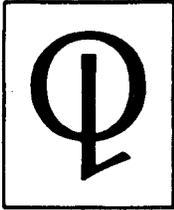


CHECK PRINT
DO NOT USE FOR CONSTRUCTION

JAN 1 1 1978

DO NOT SCALE

BETHLEHEM STEEL CORPORATION			
- SUPPLY DIVISION -			
TULSA, OKLAHOMA, U. S. A.			
AMERICAN QUASAR			
TRANSFER STATION			
REF. JFH-1539-X-1			
DATE 1-10-78	DR. MC	LAST REV.	NO.
SCALE 1/2"=1'-0"	CH.		DMS-944-3



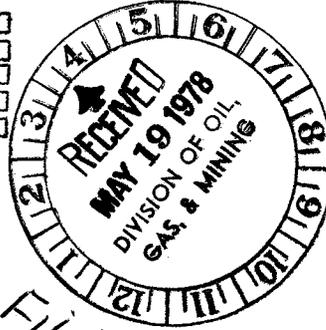
AMERICAN QUASAR PETROLEUM CO. OF NEW MEXICO

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

CIRCULATE TO:

- DIRECTOR
 - PETROLEUM ENGINEER
 - MINE COORDINATOR
 - ADMINISTRATIVE ASSISTANT
 - ALL
- RETURN TO *R. Wells* FOR FILING

May 17, 1978



Piz File
Pineview SWD
well

Mr. Patrick Driscoll
Utah Oil & Gas Commission
1588 West North Temple
Salt Lake City, Utah 84116

Dear Mr. Driscoll:

Subject: Pineview Salt Water Disposal Facility

Persuant to our conversation on Monday of this week, I am enclosing copies of the construction drawings and quotation giving equipment specifications for the captioned facility. Specifications for line pipe were given in our original application.

Please excuse our oversight in not notifying you of the recent incident of gas flaring. An increase in thruput in one of our production vessels caused a pressure relief valve to open, sending excess gas to the flare pit. This is a normal, automatic safety system function. Gas was flared at a rate of approximately 750 MCFD for a period of not more than five hours, while battery operators sought the cause and took action to route the diverted gas to the gas plant. Production vessel fittings which caused a flow restriction were changed out on May 11, and the system was placed back in normal operation on the same day with no further flaring.

Flaring of gas for any reason occurs very seldom in Pineview, but the field superintendent, Mr. Delmar Chapman, and the gas plant manager, Mr. Joe Hathorne, have both been instructed to notify the commission within four hours in the event of any future flaring.

Please accept our apology for the oversight. If I can be of any further assistance, please call me at the above number.

Sincerely,

R. F. Reiner
Division Production Superintendent

RFR:ld

Enc.

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 3/30/83

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 UPRR 5-1

API Well Number 43-043-30004 Location ^{center} NESE 1/4 of SE 1/4 of _____

Section 5 Township 2N Range 7E County Summit

Present at Completion: _____ Yes No

Casing Tested in My Presence: _____ Yes No Pressure _____ PSI _____ Minutes

Packer Tested in My Presence: _____ Yes No Pressure _____ PSI _____ Minutes

Surface-Prod. Csg. Annulus _____ PSI Prod. Csg.-Tubing Annulus NO PSI

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

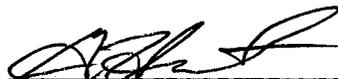
This well seems to be completed in accordance with DOGM Rule I:
Yes _____ No . If NO, write report.

Remarks: Dual comp. prod & injector, NO access to the annulus for testing or monitoring!

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

Name of Operator _____

(Signature) (Title)


DOGM Field Inspector



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

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

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

May 12, 1983

American Quasar Petroleum Co.
P.O. Box 406
Coalville, Utah 84017

Attn: Paul Smith

RE: UPRR #5-1 Disposal Well
Sec. 5, T. 2 N, R. 7 E.
Summit County, Utah

Gentlemen:

During a recent inspection of the above referenced salt water disposal well it was learned that due to the mechanical arrangement of this well pressure testing for mechanical integrity is impossible. It is my understanding this well is not producing from the twin creek formation at this time via the casing-tubing annulus. If this situation is to continue arrangements will be necessary to allow a pressure test of the annulus above the packer in order to comply with the UIC rules.

Please provide a schematic drawing of this well showing the downhole and well-head equipment.

If you have any questions, please call.

Sincerely,

A handwritten signature in black ink, appearing to read 'Gilbert L. Hunt'.

GILBERT L. HUNT
UIC GEOLOGIST

GLH/mn



AMERICAN QUASAR PETROLEUM CO.
OF NEW MEXICO

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

June 6, 1983

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

Attention: Mr. Gilbert L. Hunt

Subject: UPRR 5-1 Disposal Well
SE $\frac{1}{4}$ Sec. 5, T2N-R7E, Pineview Field,
Summit County, Utah

Gentlemen:

In order to adequately pressure test the subject well in accordance with Rule 1-6 b(1), American Quasar plans to remove the 2 3/8" tubing and Model K dual packer at 9493', set a single packer above the Watton Canyon perforations and continue injection into the Nugget below the packer at 10,175'. We have attached copies of the current wellbore sketch and proposed wellbore sketch. This will allow pressure testing the casing-annulus above the Watton Canyon. Please advise this office if this meets with your approval. Once this work is completed, we will arrange with your representative to witness the pressure testing of the UPRR 5-1.

Very truly yours,

James T. Brown
Division Production Manager

JDD:sb
attachments

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 6/10/83
BY: [Signature]

RECEIVED

JUN 08 1983

DIVISION OF
OIL, GAS & MINING

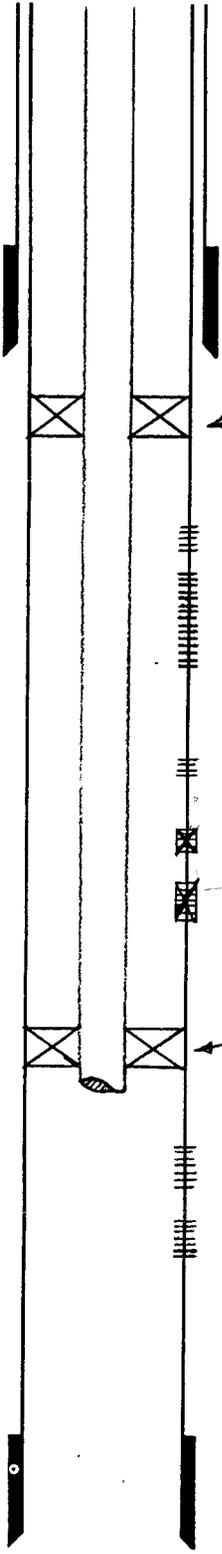
PETRO-LOG, INCORPORATED

SERVING THE ROCKY MOUNTAIN AREA

DATE 6/6/83 WELL NO. UPRR 5-1 LEASE UPRR FIELD PINEVIEW

KB 6487 GR 6464
SE/4 SECS, T2N, R7E
SUMMIT Co., UTAH.

PROPOSED WELL BORE



← BAKER MODEL "R-3" @ ± 9500'

WATSON CANYON member of Twin Creek Fm.

9570-9610'

9635 REPERF 9638-68' ?

9735

9746-9751 SQUEEZE PERFS NEVER SQUEEZED

9800-9802 SQZ, PERFS

9815-9850 RICH SQZ.

← BAKER MODEL "D" @ 10,175'

NUGGET

10,274'-10,295'

10,310'-10,350'

TD 10,537

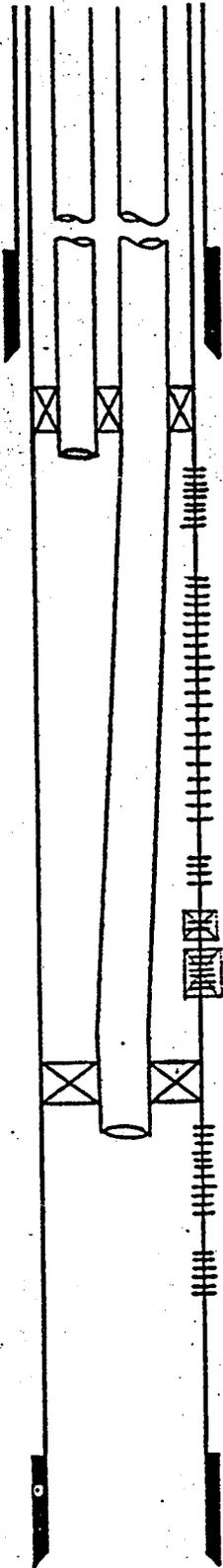
BRIDGE PLUG Packer CENTRALIZER SCRATCHER BASKET PERFORATION

(Use reverse side for additional remarks & sketches.)

PETRO-LOG, INCORPORATED

SERVING THE ROCKY MOUNTAIN AREA

DATE 11/29/79 WELL NO. UPRR 5-1 LEASE UPRR FIELD PINEVIEW



KB 6487 GL 6464

SHORT STRING

308 JOINTS 2 3/8" N-80
DSS, TOP 88 ARE
PLASTIC LINED
HYDRAULIC PUMP CAVITY

LONG STRING

296 Jts 2 7/8" DSS N-80
PLASTIC LINED

NATION CANYON

BAKER MODEL K DOUBLE GRIP @ 9493

9570

9610

CURRENT WELL BORE

9635

REPERF 9638 - 9668

9735

9746 - 9751 SQZ PERFS, NEVER SQZ'D

9800 - 9802 - SQZ PERFS

9815 - 9850 - RICH

BAKER MODEL D @ 10,175

NUGGET

10,274 - 10,295

CASING 7"

10,310 - 10,350

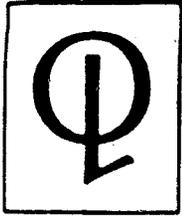
GRADE	WT	FROM	TO
S-95	26	SURF	2473
S-95	26	2473	3318
S-95	25	3318	4034
S-95	26	4034	10,516

TD, 10,537



(Use reverse side for additional remarks & sketches.)

CRF



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

DIVISION OF
OIL, GAS & MINING

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 $\pm .7$ to $.75$ 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 $.922$ 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° to 15° into a syncline separating it from the Elkhorn structure.

Smaller subsidiary faults parallel to the Absaroka cut the Pineview

7

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 X
 FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR
 INJECT FLUID INTO THE UPRR 5-1 WELL
 SEC. 5 TWP. 2N RANGE 7E
Summit COUNTY, UTAH

CAUSE NO. Rule C-11

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 UPRR	Well No. 5-1	Field Pineview	County Summit
Location of Enhanced Recovery Injection or Disposal Well <u>SE 1/4 SE 1/4</u> Sec. <u>5</u> Twp. <u>2N</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 type="checkbox"/> No <input checked="" type="checkbox"/>	Casing Test Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Date <u>3/30/83</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 What Oil
Location of Injection Source(s) Pineview Field	Geologic Name(s) and Depth of Source(s) Twin Creek (-3500' elev) Nugget (-4500' elev)		
Geologic Name of Injection Zone Nugget		Depth of Injection Interval <u>10274</u> to <u>10350</u>	
a. Top of the Perforated Interval: <u>10274'</u>	b. Base of Fresh Water: <u>±2900'</u>	c. Intervening Thickness (a minus b) <u>7374'</u>	
Is the intervening thickness sufficient to show fresh water will be protected without additional data? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			
Lithology of Intervening Zones Sandstone, siltstone and shale			
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.			
Newton Sheep Company c/o Steve Stewart 1675 N. 200 W. Provo, UT 84601			
Cecil Clark 3410 E. Chalk Creek Road Coalville, UT 84017			
Champlin Petroleum Co. P.O. Box 1257 Englewood, CO 80150			

State of Colorado

County of Denver

John D. Dolan
 John D. Dolan Applicant Div. Production Mgr.

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 19 83

SEAL

My commission expires 9/15/85

Sara Beth Handley
 Notary Public in and for Denver, Colorado

(OVER)

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 leasehole 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 (Re-entry)	13 3/8"	1009'	1200 sx cemtd prior	Surface	✓
Intermediate					
Production	7"	10516' KB	1200	7800'	Bond Log
Tubing	2 7/8"	10175'	Name - Type - Depth of Tubing Packer Model D 10,175'		
Total Depth 10534'	Geologic Name - Inj. Zone Nugget	Depth - Top of Inj. Interval 10,274'	Depth - Base of Inj. Interval 10,350'		

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

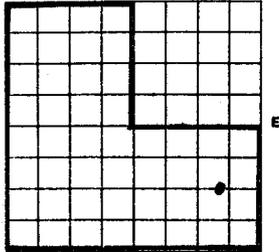
DEPARTMENT OF NATURAL RESOURCES AND ENERGY

COUNTY
LEASE NO.

API NO. 43-043-30004

640 Acres
N

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



Locate Well Correctly
and Outline Lease

COUNTY Summit SEC. 5 TWP. 2N RGE. 7E
COMPANY OPERATING American Quasar Petroleum
OFFICE ADDRESS 1700 Broadway #707
TOWN Denver STATE ZIP CO 80290
FARM NAME _____ WELL NO. UPRR 5-1
DRILLING STARTED 9/2 19 77 DRILLING FINISHED 9/17 19 77
DATE OF FIRST PRODUCTION 10/7/77 COMPLETED 10/12/77
WELL LOCATED 1/4 SE 1/4 SE 1/4 EL
1320 FT. FROM SW CORNER & 710 FT. FROM NW CORNER
ELEVATION DERRICK FLOOR 6487 GROUND 6464

TYPE COMPLETION

Single Zone _____
Multiple Zone _____
Comingled _____

LOCATION EXCEPTION

OIL OR GAS ZONES

Name	From	To	Name	From	To

CASING & CEMENT

Casing Set				Csg. Test		Cement		
Size	Wgt.	Grade	Feet	Psi	Sax	Fillup	Top	
13 3/8"	48#	H-40	1009	1000	±1200		Surface	
7"	23&26#	S-95 N-80	10516	1500	1200		7800'	

TOTAL DEPTH 10534'

PACKERS SET DEPTH 10175' (Model D) 9493' (Model K)

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

COMPLETION & TEST DATA BY PRODUCING FORMATION

FORMATION	1	2	3
Nugget		Twin Creek	
SPACING & SPACING ORDER NO.			
CLASSIFICATION (DISPOSAL WELL, ENHANCED RECOVERY, LP GAS STORAGE)			
PERFORATED	Injection well	Oil	
INTERVALS	10274-295	9570-9610	
	10310-350	9635-9735	
ACIDIZED?		1000 gals 15% HCl	
FRACTURE TREATED?			

INITIAL TEST DATA

Date	10/12/77		
Oil, bbl./day	368		
Oil Gravity	43		
Gas, Cu. Ft./day	CF 143M	CF	CF
Gas-Oil Ratio Cu. Ft./Bbl.	389		
Water-Bbl./day	63		
Pumping or Flowing	flowing		
CHOKE SIZE	14/64"		
FLOW TUBING PRESSURE	390		

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

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

PETRO-LOG, INCORPORATED

SERVING THE ROCKY MOUNTAIN AREA

DATE 9/12/83 WELL NO. UPRR 5-1 LEASE UPRR FIELD PINEVIEW

KB 6487 GL 6464 SE-SE-SEC 5-T2N-R7E
SUMMIT Co. UTAH

327 Jts. 2 7/8" 6.5# DSS (INTERNALLY PLASTIC COATED) LANDED
w/ 15,000# DOWN. TESTED ANNUL TO 1000PSI OK.

WATTON CANYON

9570

9610

9635

REPERF 9638 - 9668

9735

9746 - 9751 SQZ PERFS,

9800 - 9802 - SQZ PERFS

9815 - 9850 - RICH

NUGGET

10,274 - 10,295

10,310 - 10,350

TD, 10,537

NOTE

ALL WATTON CANYON
PERFS SQZ'D
W/ 450 SX AND
TESTED CSE-TRG ANNUL.
TO 1000PSI OK 9/7/83
WELL RETURNED TO
NUGGET INT.

BAKER MODEL D @ 10,175

CASING 7"

GRADE	WT	FROM	TO
S-95	26	SURF	2473
S-95	26	2473	3318
S-95	25	3318	4034
S-95	26	4034	10,516

 BRIDGE PLUG
 
 PACKER
  CENTRALIZER
  SCRATCHER
  BASKET
  PERFORATION

(Use reverse side for additional remarks & sketches.)

CHAMPLIN

AQP, et al

CHAMP.
1 Jones 42-5

AQP
4-6 Newton Sheep

AQP
4-8S

AQP
4-9S

AQP, et al

UPRR

AQP, et al

Newton Sheep Co.

5

4

AQP
4-10S

AQP
1 Newton Sheep

AQP
5-1UPRR

1/2 MILE
Radius

AQP
4-1Clark

AQP
4-4S

UPRR

M. Clark

AQP, et al

AQP, et al

8

T2N-R7E

EXHIBIT I

AMERICAN QUASAR PETROLEUM CO.

9

PINEVIEW FIELD

SUMMIT COUNTY, UTAH

EXISTING 5-1UPRR

SALT WATER DISPOSAL WELL

Newton Sheep Co.

UPRR

1" = 1,000'

8-25-82

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: 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-cm): 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): 0.238

CHEMICAL & GEOLOGICAL LABORATORIES

P. O. Box 2794
Casper, Wyoming

WATER ANALYSIS REPORT

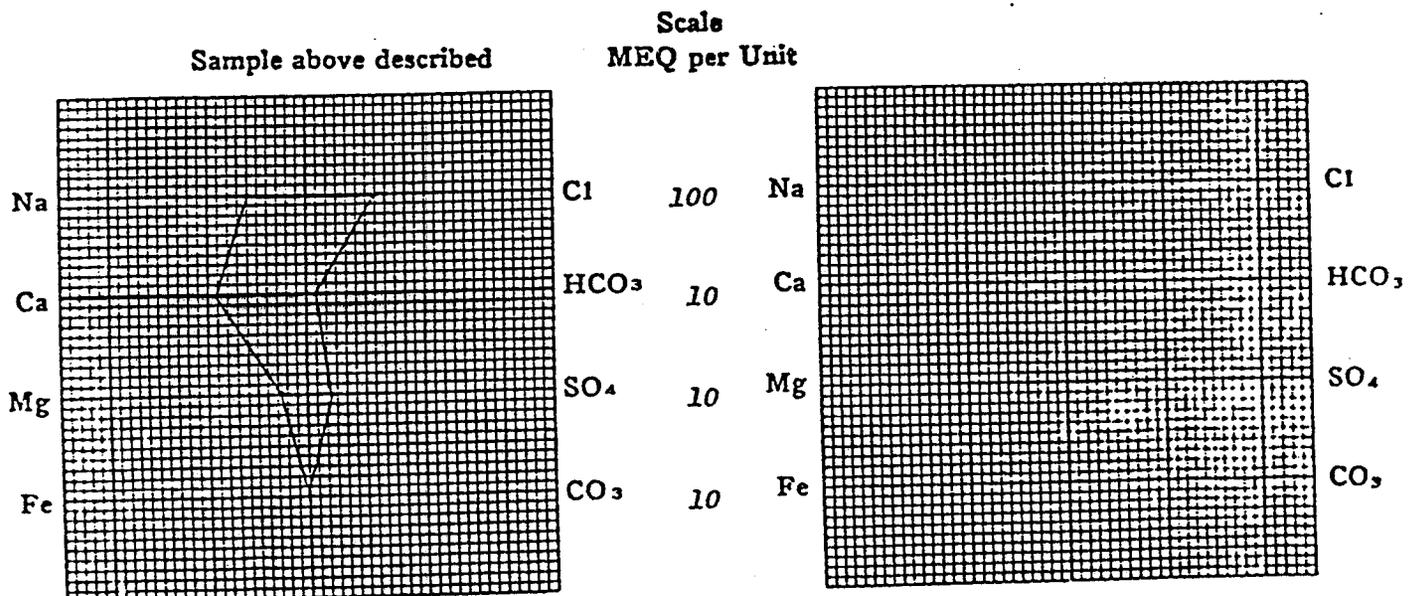
OPERATOR American Quasar Petroleum Co. DATE August 30, 1978 LAB NO. 28468-5
 WELL NO. 3-3 LOCATION _____
 FIELD Pineview FORMATION Nugget
 COUNTY Summit INTERVAL _____
 STATE Utah SAMPLE FROM Production (8-10-78)

REMARKS & CONCLUSIONS: _____

Cations			Anions		
	mg/l	meq/l		mg/l	meq/l
Sodium	14192	617.35	Sulfate	1275	26.52
Potassium	670	17.15	Chloride	25400	716.28
Lithium			Carbonate	-	
Calcium	1803	89.97	Bicarbonate	451	7.40
Magnesium	313	25.73	Hydroxide		
Iron	present		Hydrogen sulfide		
Total Cations			Total Anions		
		750.20			750.20

Total dissolved solids, mg/l	43875	Specific resistance @ 68°F.:	
NaCl equivalent, mg/l	43360	Observed	0.210 ohm-meters
Observed pH	6.9	Calculated	0.165 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

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		
Total Cations		389.70	Total Anions		389.70

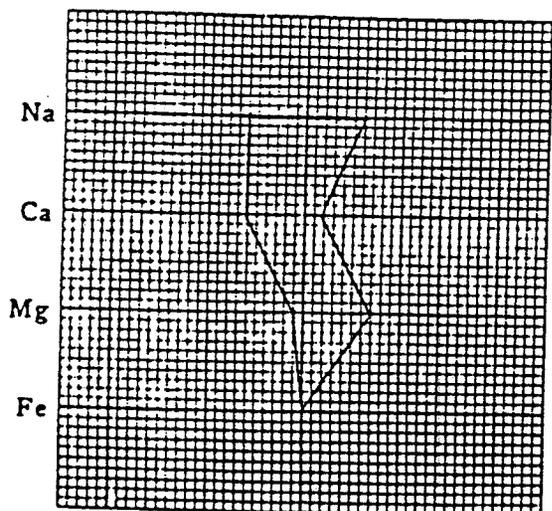
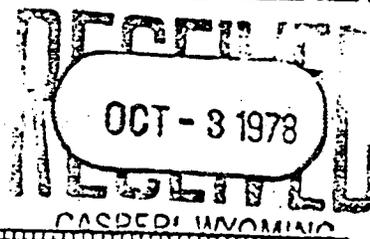
Total dissolved solids, mg/l 23226
 NaCl equivalent, mg/l 22212
 Observed pH 7.2

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

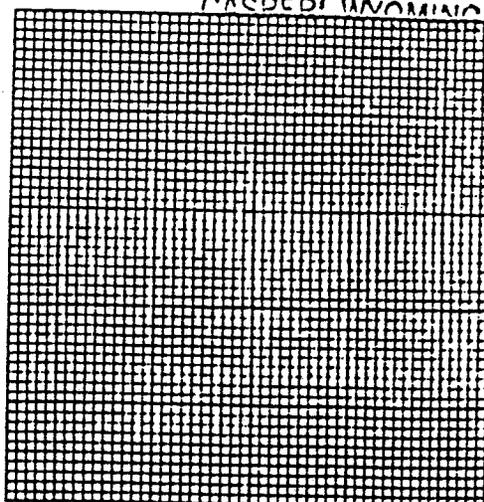
WATER ANALYSIS PATTERN

Sample above described

Scale
MEQ per Unit



Cl 50
HCO₃ 5
SO₄ 5
CO₃ 5



Cl
HCO₃
SO₄
CO₃

(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
Blizzard
Saddel
File*

WATER ANALYSIS REPORT

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

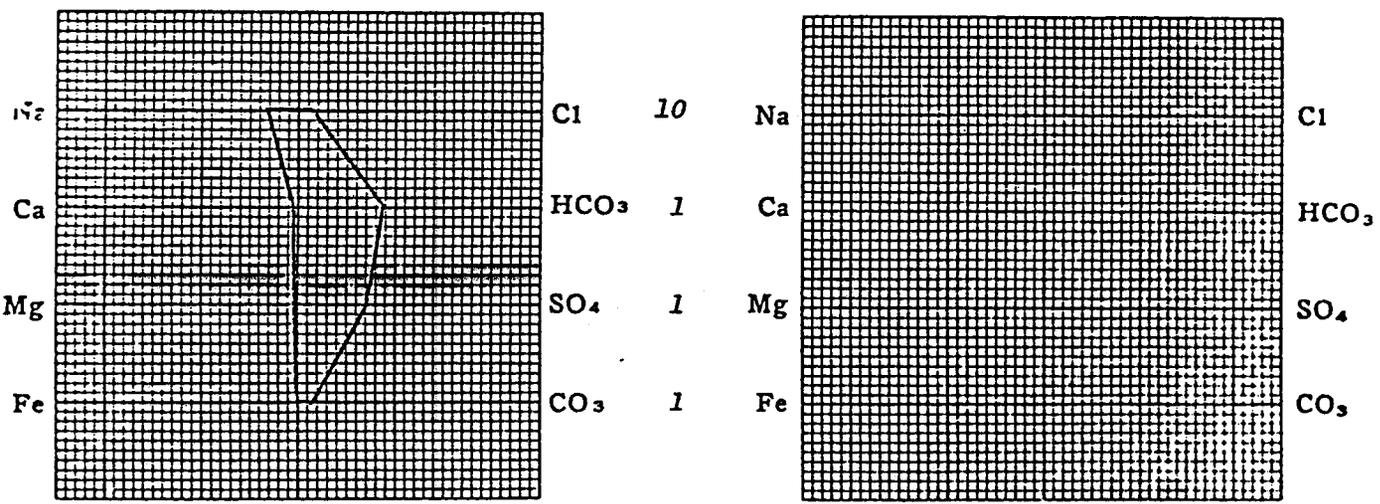
REMARKS & CONCLUSIONS:

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	Bicarbonate	512	8.40
Magnesium	5	0.41	Hydroxide		
Iron	-		Hydrogen sulfide	-	
Total Cations		33.65	Total Anions		33.65

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

WATER ANALYSIS PATTERN

Scale
Sample above described 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

CHEMICAL & GEOLOGICAL LABORATORIES

file

P. O. Box 2794
Casper, Wyoming

WATER ANALYSIS REPORT

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

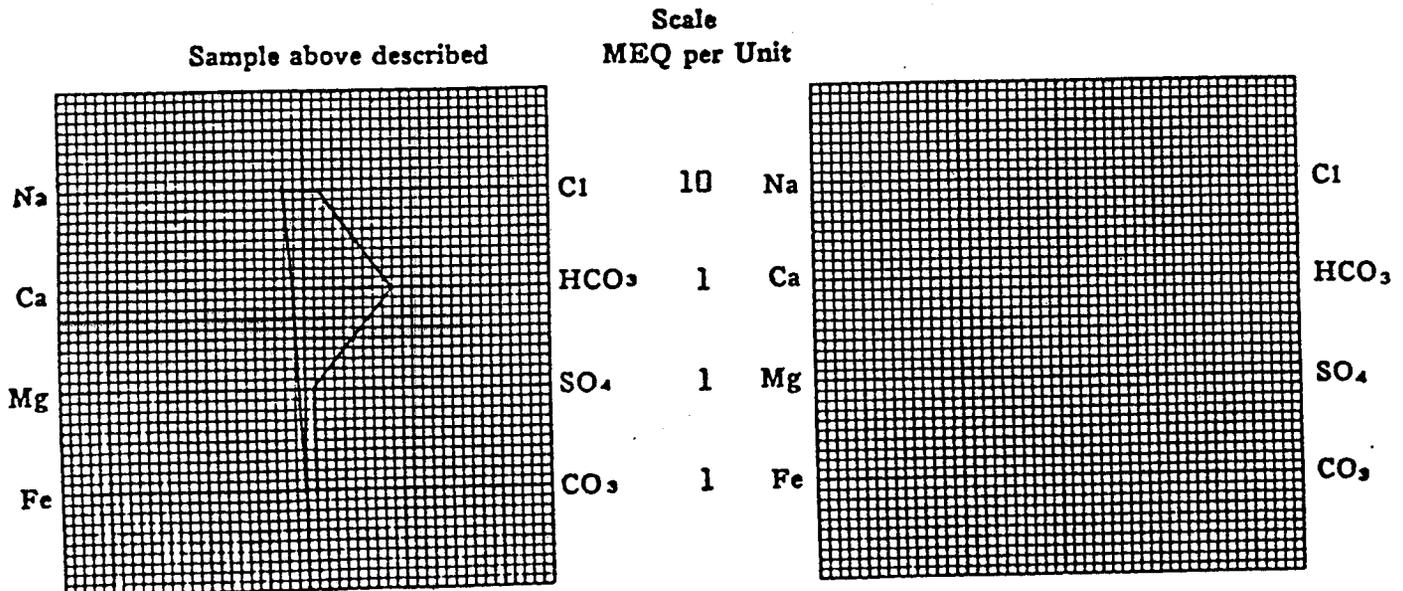
REMARKS & CONCLUSIONS: No other information given.

JUL 11 1979

Cations			Anions		
	mg/l	meq/l		mg/l	meq/l
Sodium	557	24.22	Sulfate	41	0.85
Potassium	21	0.54	Chloride	560	15.79
Lithium			Carbonate	24	0.80
Calcium	22	1.10	Bicarbonate	549	9.00
Magnesium	7	0.58	Hydroxide		
Iron	-		Hydrogen sulfide		
Total Cations			Total Anions		
26.44			26.44		

Total dissolved solids, mg/l	1502	Specific resistance @ 68°F.:	
NaCl equivalent, mg/l	1372	Observed	4.25 ohm-meters
Observed pH	7.9	Calculated	4.35 ohm-meters

WATER ANALYSIS PATTERN



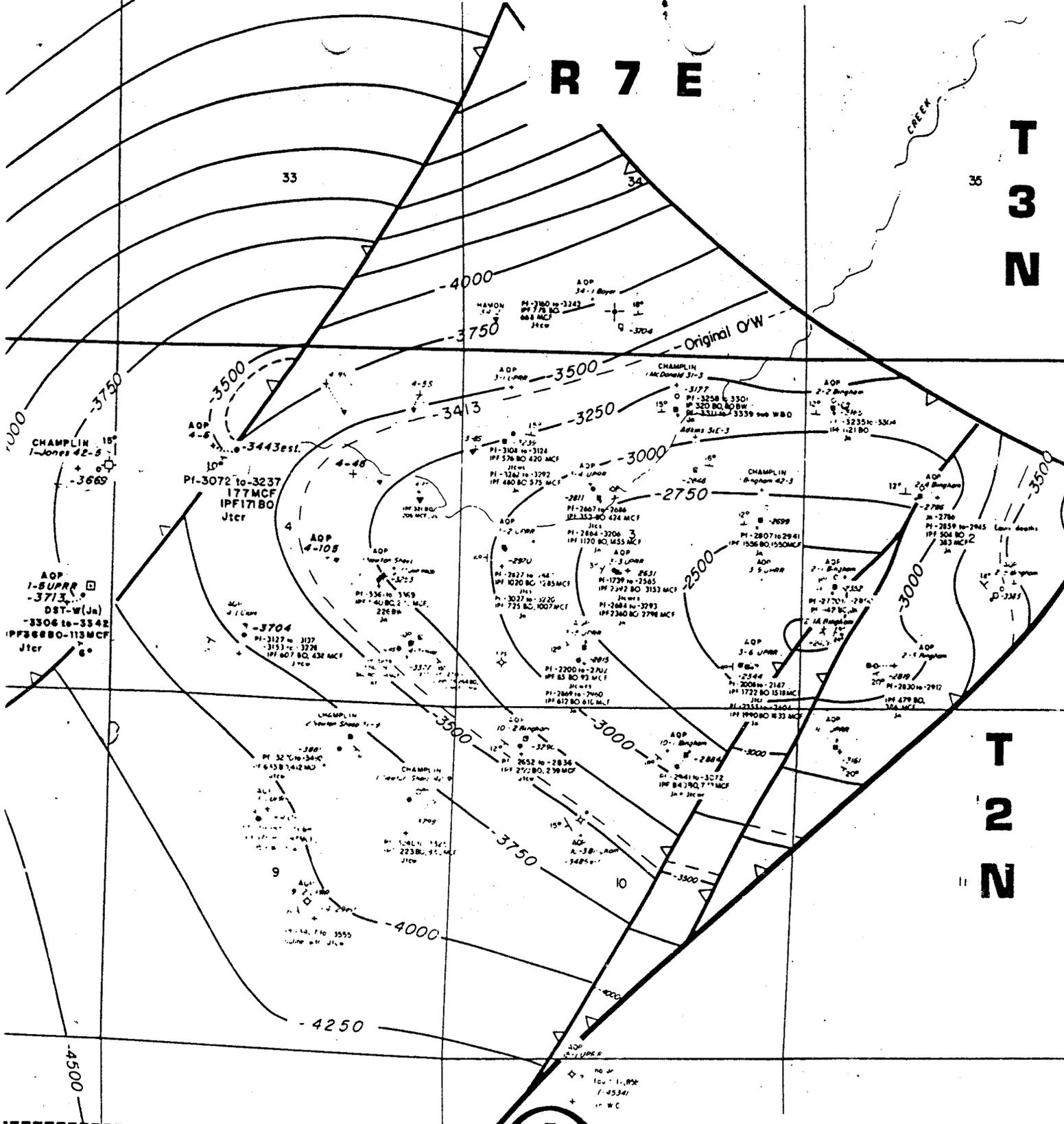
(Na value in above graphs includes Na, K, and Li)
 NOTE: Mg/l=Milligrams per liter Meq/l= Milligram equivalents per liter
 Sodium chloride equivalent=by Dunlap & Hawthorne calculation from components

R 7 E

T 3 N

35

T 2 N



AMERICAN QUASAR PETROLEUM CO. OF NEW MEXICO
 707 United Bank Building 1700 Broadway, Denver Colorado 80202 Phone 303 861-8437

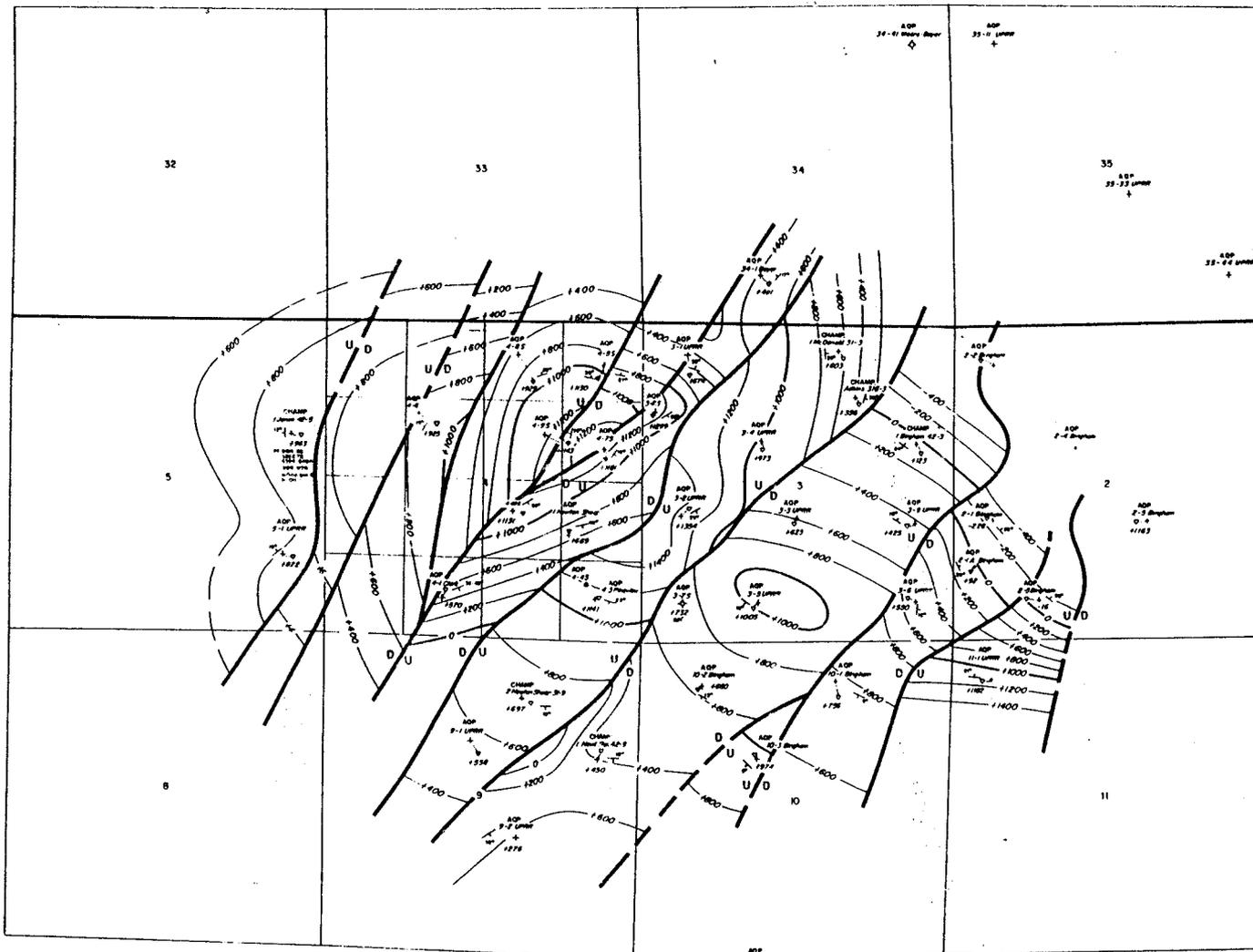
PINEVIEW AREA
 SUMMIT COUNTY, UTAH
 STRUCTURE CONTOUR MAP

ON NUGGET FORMATION
 C.I.: 250'

SCALE 1" = 2,000'

DESIGNED BY T. R. BLAZZARD	DRAWN BY D. M.	DATE 9-13-83	REVISIONS
-------------------------------	-------------------	-----------------	-----------

R 7 E



T 3 N

T 2 N

WELL SYMBOLS

- + SURFACE LOCATION
- o KELVIN LOC. (PROD.)
- v ♦ STUMP TOP (PRODUCTION)

STUMP PRODUCTION DATA

1-North Shale Perf 1358 to 1543 IPF 166 BO, 702 MCF, 68WPD
3-88 Perf 1700 to 1653 IPF 138 BO, 11MCFGPD
4-53 Perf 5891-5990, 8055-8006 IPF 397 BO, 276 MCFGPD
4-78 Perf 1612 to 1582 IPF 321 BO, 350 MCFGPD
4-88 Perf 5970-84, 8006-14, 8040-54 IPF 524 BO, 350 MCFGPD
4-95 Perf 5470-6148 6199 IPF 648 BO, 502 MCFGPD



AMERICAN QUASAR PETROLEUM CO. OF NEW MEXICO
787 West Salt Lake Building 1700 Broadway, Denver, Colorado 80202 Phone 302-624-2127

PINEVIEW FIELD
SUMMIT COUNTY, UTAH
STRUCTURE: TOP STUMP FORMATION
CONTOUR INTERVAL: 200'

DATE	BY	REVISED	BY	DATE
1-30-80	T BLAZZARD		DM	9-11-62

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 ± 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 ± 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

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

6 400
 600 8 40
 3 2

$$\text{Stump } V_2 = (.103)(315)(43560) \left(\frac{1}{5.614} \right) (1)$$

$$= 251746 \frac{\text{bbl}}{\text{acre}}$$

$$\text{Nugget } V_2 = (.118)(76)(43560) \left(\frac{1}{5.614} \right) (1)$$

$$= 69,584 \frac{\text{bbl}}{\text{acre}}$$

F. Acres of Influence

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

$$\text{Stump } A = \frac{876,000 \text{ (bbl/yr)}}{251,746 \text{ (bbl/ac)}}$$

$$= 3.5 \frac{\text{acres}}{\text{year}}$$

$$\text{Nugget } A = \frac{876,000}{69,584}$$

$$A = 12.6 \frac{\text{acres}}{\text{year}}$$

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.

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

7

SUNDRY NOTICES AND REPORTS ON WELLS

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

<p>1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Saltwater Disposal</p> <p>2. NAME OF OPERATOR American Quasar Petroleum Co.</p> <p>3. ADDRESS OF OPERATOR 707 United Bank Tower 1700 Broadway Denver, Colorado 80290</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1320' FSL, 710' FEL E½SE¼</p>		<p>5. LEASE DESIGNATION AND SERIAL NO. FEE</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME</p> <p>8. FARM OR LEASE NAME UPRR</p> <p>9. WELL NO. 5-1</p> <p>10. FIELD AND POOL, OR WILDCAT Pineview</p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 5, T2N-R7E</p> <p>12. COUNTY OR PARISH Summit</p> <p>13. STATE Utah</p>
<p>14. PERMIT NO. 43-043-30004</p>	<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6464' GR</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>Squeeze zone</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.)*

MIR 8/24/83 - Pulled 2 3/8" tbg and Model K dual pkr and seal assy.
BP set @9950', dumped 5 sx sand on BP, set pkr @9450'.
Pumped 150 sx cement, drilled cement to 9650', pulled pkr.
Set pkr @9450', pumped 300 sx cement, squeeze held Twin Creek perms 9570-9751', reldsd pkr, drilled cement to 9800'.
Ran 2 7/8" tbg.
Acidized Nugget perms w/1000 gals 7½% HCl.
Returned well to injection.

RECEIVED
FEB 9 1984

DIVISION OF
OIL, GAS & MINING

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

SIGNED John N. Nolan TITLE Div. Production Manager DATE 1/26/84

(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 <input checked="" type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <u>Injection</u>		5. LEASE DESIGNATION AND SERIAL NO. Fee
2. NAME OF OPERATOR American Quasar Petroleum Co.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 1700 Broadway #707, Denver, CO 80290		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 1320' FSL, 710' FEL (E 1/2 SE 1/4)		8. FARM OR LEASE NAME UPRR
14. PERMIT NO. 43-043-30004		9. WELL NO. 5-1
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6464' GR		10. FIELD AND POOL, OR WILDCAT Pineview-Twin Creek
		11. SEC., T., S., M., OR BLK. AND SURVEY OR AREA Sec 5, T2N-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 type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Well 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.)*

BP @ 9950'.
Squeezed Twin Creek perms 9570-9850'.
Well P&A 8/24/83.
Injecting into Nugget perms.

RECEIVED
AUG 27 1984
DIVISION OF OIL
GAS & MINING

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

SIGNED *John D. DeLa* TITLE Div. Prod. Mgr. DATE 8/21/84

(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 [X] GAS WELL [] OTHER [] 2. NAME OF OPERATOR Champlin Petroleum Company 3. ADDRESS OF OPERATOR PO Box 700, Rock Springs, Wyoming 82902 4. LOCATION OF WELL Pineview 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: TEST WATER SHUT-OFF [] FRACTURE TREAT [] SHOOT OR ACIDIZE [] REPAIR WELL [] (Other) [] FULL OR ALTER CASING [] MULTIPLE COMPLETE [] ABANDON* [] CHANGE PLANS [] SUBSEQUENT REPORT OF: WATER SHUT-OFF [] FRACTURE TREATMENT [] SHOOTING OR ACIDIZING [] (Other) Change of Operator [] REPAIRING WELL [] ALTERING CASING [] ABANDONMENT* [] y

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.

Table with columns WELLS and LOCATION. Lists wells such as Bingham 2-1, UPRR 3-4, Pineview 3-7, etc., with their respective locations.

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

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

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

SUBMIT APPLICATION*
(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.)

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

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input 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 *J. M. Schmitt* TITLE Production Superintendent DATE March 27, 1985

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

CLASS II FILE NOTATIONS

DATE FILED: 4/13/85 OPERATOR: Omni-Scan Energy WELL NO. VPRR5-1

Sec. 5 T. 2N R. 7E QRT/QRT: E2SE COUNTY: Summit

New Well? Conversion? Disposal Enhanced Recovery

SURETY/Bond? Y Card Indexed? API Number: 43-043-30004

APPLICATION FILE COMPLETION

Completed Form DOGM-UIC-1? Y

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) 0, dry holes 1.

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

Schematic diagram of Well: TD: 10,534, PBTD: _____, Depth of Inj/Disp interval: 10274-10350, geologic name of inj/dis interval Nugget, Casing and cement: top Surface, bottom 1009, Size of: casing 13 3/4 or 1009 7" at 10,516, tubing 2 3/8 10,175, depth of packer: 10,175

Assessment of existing cement bond: _____
Location of Bottomhole: E2SE. MAXIMUM INJECTION RATE: 10,000 BPD
MAXIMUM SURFACE INJECTION PRESSURE: 2500 PSI.

Proposed Operating Data:

Procedure for controlling injection rates and pressures: Switches 7 meters
Geologic name: Nugget, depth, 10,274, location of injection fluid source. Analysis of water to be injected 43875 tds, water of injection formation 24,236 tds., EXEMPTION REQUIRED? No.

Injection zone and confining zone data: lithologic description Aeolian Sand, geologic name Nugget, thickness 1054, depth 10,222, lateral extent 9447

USDW's that may be affected by injection: geologic name Netsadh, lateral extent _____, depth to the top and bottom of all known USDW's 2900' Water wells in area are only 200 or less deep.

Contingency plans? Yes

Results of formation testing? See letter Sept 22, 1983
Description of mechanical integrity test XX, injection procedure _____

CHECKED BY: UIC ADMINISTRATOR: XX Anal Completion no access to CFA
UB Jughal

UIC GEOLOGIST: _____

Application Complete? _____ Notice Published _____, Date: 1/1
DIRECTOR: Approved? _____, approval letter sent _____, Requires hearing _____

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

BAROID TREATING CHEMICALS

RECEIVED
APR 10 1987

UPRR 5-1

SHEET NUMBER

DATE

2/19/87

COMPANY

Champlin Petroleum 2N 7E Sec. 5

DIVISION OF OIL, GAS & MINING

STATE

Utah

FIELD

Pineview

COUNTY OR PARISH

Summit

EASE OR UNIT

Transfer Plant

WELL(S) NAME OR NO.

WATER SOURCE (FORMATION)

DEPTH, FT.

BHT, F

SAMPLE SOURCE

Filter outlet

TEMP, F

WATER, BBL/DAY

OIL, BBL/DAY

GAS, MMCF/DAY

DATE SAMPLED

2/19/87

TYPE OF WATER

PRODUCED

SUPPLY

WATERFLOOD

SALT WATER DISPOSAL

WATER ANALYSIS PATTERN

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

Na ⁺ 20	15	10	5	0	5	10	15	20 Cl ⁻
Ca ⁺⁺								HCO ₃ ⁻
Mg ⁺⁺								SO ₄ ⁼
Fe ⁺⁺⁺								CO ₃ ⁼

DISSOLVED SOLIDS

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

DISSOLVED GASES

Hydrogen Sulfide, H ₂ S	mg/l*
Carbon Dioxide, CO ₂	mg/l*
Oxygen, O ₂	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	<input type="checkbox"/> F
	<input type="checkbox"/> F
CaSO ₄ Solubility	<input type="checkbox"/> F mg/l*
	<input type="checkbox"/> F mg/l*
Max. CaSO ₄ Possible (calc.)	mg/l*
Max. BaSO ₄ Possible (calc.)	mg/l*
Residual Hydrocarbons	ppm(Vol Vol)

CATIONS

Chloride, Cl ⁻	371.83	13200
Sulfate, SO ₄ ⁼	87.5	4200
Carbonate, CO ₃ ⁼	0	0
Bicarbonate, HCO ₃ ⁻	10.8	658.8
Hydroxyl, OH ⁻	0	0
Sulfide, S ⁼	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	DIST. NO.	ADDRESS	OFFICE PHONE	HOME PHONE
Patrick O'Rourke	810	Evanston, Wy.	(307) 789-1355	789-6541
ANALYZED	DATE	DISTRIBUTION		
		<input type="checkbox"/> CUSTOMER	<input type="checkbox"/> AREA OR	<input type="checkbox"/> DISTRICT OFFICE
		<input type="checkbox"/> ETC ENGINEER OR	<input type="checkbox"/> BTC LAE	<input type="checkbox"/> ETC SALES SUPERVISOR

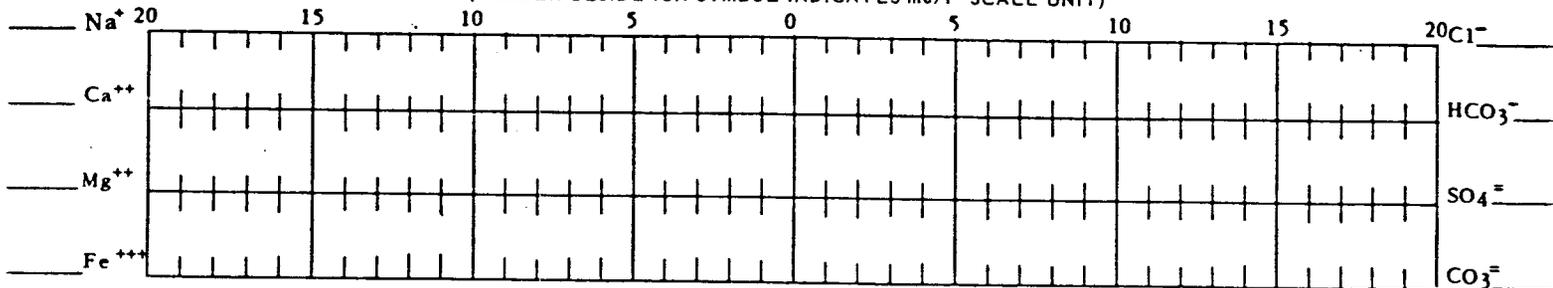
BAROID TREATING CHEMICALS

RECEIVED
WATER ANALYSIS REPORT
 APR 10 1987

COMPANY CHAMPLIN PETROLEUM COMPANY		DIVISION OF OIL, GAS & MINING		SHEET NUMBER
FIELD PINEVIEW		COUNTY OR PARISH SUMMIT		DATE 4/6/87
LEASE OR UNIT LODGEPOLE	WELL(S) NAME OR NO. Judd 34-2	WATER SOURCE (FORMATION) Co-mingled		STATE UTAH
DEPTH, FT.	BHT, F	SAMPLE SOURCE	TEMP, F	WATER, BBL/DAY
				OIL, BBL/DAY
				GAS, MMCF/DAY
DATE SAMPLED 4/2/87		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 ⁺⁺	26.7	534.0
Magnesium, Mg ⁺⁺	10.0	122.0
Iron (Total) Fe ⁺⁺⁺	0.7	12.5
Barium, Ba ⁺⁺	0	0
Sodium, Na ⁺ (calc.)	478.0	10,994.0

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

DISSOLVED GASES

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

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 ₄ Solubility @ ___ F	mg/l*
@ ___ F	mg/l*
Max. CaSO ₄ Possible (calc.)	mg/l*
Max. BaSO ₄ 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 Pat O'Rourke	DIST. NO. 810	ADDRESS Rock Springs	OFFICE PHONE 382-3466	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	

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

copy

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Saltwater Disposal		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 700 Rock Springs, WY 82902-0700		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 SESE Sec. 5		8. FARM OR LEASE NAME UPRR
14. PERMIT NO.		9. WELL NO. UPRR 5-1
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 6487' KB		10. FIELD AND POOL, OR WILDCAT Pineview - Nugget
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 5, T2N, 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 type="checkbox"/>	SHOOTING OR ACIDIZING <input checked="" type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____	

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

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

The subject saltwater disposal well was acidized May 29, 1987 in order to increase injectivity within the Pineview low pressure system. The treatment consisted of 3500 gallons of 15% HCl acid. The operating pressure fell from 1600 psi to 1250 psi at 3900 BWPD following the treatment.

RECEIVED
JUN 12 1987

DIVISION OF
OIL, GAS & MINING

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

SIGNED Keith J. Nosich TITLE Petroleum Engineer DATE June 9, 1987

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

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

(Other instructions on reverse)

SUNDRY NOTICES AND REPORTS ON WELLS

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

RECEIVED
DEC 21 1987

1. OIL WELL GAS WELL OTHER Saltwater Disposal

2. NAME OF OPERATOR
UNION PACIFIC RESOURCES COMPANY

3. ADDRESS OF OPERATOR
P. O. Box 700, Rock Springs, WY 82902-0700

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
* SE SE Section 5

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, CR, etc.)
6487' KB

5. LEASE DESIGNATION AND SERIAL NO.
Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
UPRR

9. WELL NO.
UPRR 5-1

10. FIELD AND POOL, OR WILDCAT
Pineview - Nugget

11. SEC., T., R., M., OR S.E.K. AND SURVEY OR AREA
Sec. 5, T2N, R7E

12. COUNTY OR PARISH 13. STATE
Summit 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 ACIDISE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input checked="" type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) <input type="checkbox"/>			

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.)*

Permission is hereby requested to perform the subject work. The tubing replacement is required to meet State of Utah requirements on mechanical integrity. Acidizing and perforating will be performed to increase disposal capacity.

1. Shoot off F Nipple below Model DB packer set at 10,175'.
2. Perforate 10,230-260' (30') and 10,264-285' (21') with decentralized through tubing gun at 4 JSPF.
3. ND wellhead. NU BOP.
4. TOOH laying down existing 2-7/8" tubing.
5. TIH with new 3-1/2" internally plastic coated tubing. Land in packer.
6. Acidize with nitrified 15% HCl acid. Flow back well.
7. ND BOP. NU wellhead.
8. Pressure test backside to 1000 psi. Notify State of Utah 48 hours prior to test.
9. Turn to disposal.

Work to begin on or about January 6, 1988 depending on delivery of new tubulars.

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

SIGNED Keith J. Nosich TITLE Petroleum Engineer DATE 12-9-87
(This space for Federal or State office use)

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

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 12-27-87
BY: [Signature]

*See Instructions on Reverse Side



**Union Pacific
Resources**

A Subsidiary of Union Pacific Corporation

February 18, 1988

RECEIVED
FEB 22 1988

**DIVISION OF
OIL, GAS & MINING**

State of Utah
Natural Resources
Oil, Gas, Mining
355 W. North Temple
3 Triad Center, Ste. 350
Salt Lake City, UT 84180-1203

ATTENTION: Mr. Gil Hunt

FILE: 150.2

RE: PINEVIEW/LODGEPOLE FIELDS - CASING INTEGRITY OF
DISPOSAL WELL

Dear Mr. Hunt:

In answer to your memo of February 9, 1988 and as a follow-up to our phone conversation, the following action has been taken in regard to the four SWD wells you listed.

UPRR 5-1

Following the discovery of pressure on the tubing/casing annulus, approvals to replace the tubing in this well were gathered from the Working Interest Partners. New 3½" N-80 tubing is presently laying on location, ready to be run once the workover begins. A special Tuboscope MMS coupling is being used in hopes of eliminating many of the small thread leaks we have experienced on other wells in the area where 8rd EUE tubing was used.

Boyer 34-1

The tubing string and packer originally run in the well when it was converted to disposal were both pulled and laid down in October of 1986. New internally plastic coated 8rd EUE tubing was run back in the well. It has been our experience that 8rd EUE tubing is not capable of maintaining the necessary integrity to keep the wellbore annulus from pressuring up over time. It is UPRC's plan to shut this and several other Stump wells in once the new tubing has been installed in UPRR 5-1. There are no plans to return the well to disposal status except in an emergency situation.

Pineview/Lodgepole Fields
Casing Integrity of Disposal Wells
February 18, 1988
Page 2

UPRR 3-5

This well is the only SWD well in the Pineview Field to have fiberglass tubing installed. In order to stay within the design limits of the tubing, it is necessary to maintain pressure on the backside. As with the Boyer 34-1, the UPRR 3-5 is also slated for shut-in once the UPRR 5-1 is reworked to change out its tubing string.

Judd 34-2

The Lodgepole SWD well is presently shut-in, along with the two producing wells in the field. Because of the fields borderline economic operation, all expenditures are closely scrutinized as to their effect on the fields revenue. During a workover in November 1986 to recover some coiled tubing, the casing was pressure tested to 1000 psi and held okay. Because of this, it is felt that this wells casing is in good condition and that the pressure currently on the annulus is a result of leaking threads in the old tubing.

It is UPRC's commitment to continue to maintain its Pineview SWD wells within the specifications designated by the UIC program. If you have any questions concerning the four wells listed, or any other SWD wells in the Pineview Field, feel free to call me at 307/362-5641.

Very Truly Yours,

UNION PACIFIC RESOURCES COMPANY



Steve M. Schram
Production Superintendent

SMS/tc

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

<p>1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Saltwater Disposal</p> <p>2. NAME OF OPERATOR Union Pacific Resources Company</p> <p>3. ADDRESS OF OPERATOR P. O. Box 700, Rock Springs, WY 82902</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SESE Sec. 5</p>		<p>5. LEASE DESIGNATION AND SERIAL NO. Fee <u>SOW</u></p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME</p> <p>8. FARM OR LEASE NAME UPRR</p> <p>9. WELL NO. UPRR 5-1</p> <p>10. FIELD AND POOL, OR WILDCAT Pineview - Nugget</p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 5, T2N, R7E</p> <p>12. COUNTY OR PARISH 13. STATE Summit Utah</p>
<p>14. PERMIT NO. <u>43-043-30004</u></p>	<p>15. ELEVATIONS (Show whether DF, RT, OR, etc.) 6487' KB</p>	<p>APR 07 1988 DIVISION OF OIL, GAS & MINING</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"/>	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>Change tubing string/acidize</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 work was performed from March 14-21, 1988:

1. RIH with wireline. Tag PBTD at 10,352'.
2. TOOH with 2 7/8" 6.5# N-80 DSS internally plastic coated tubing.
3. TIH with new 3 1/2" 9.3# N-80 8rd EUE internally plastic coated tubing with Tuboscope MMS couplings. Land seal assembly in Baker Model DB packer.
4. Acidize with 5,000 gallons 15% HCL with 72,000 scf N₂.
5. Flow back and clean up.
6. Turn well to disposal.

The subject well has an apparent casing hole. The shut-in pressure indicates the hole is likely across the Stump. The Stump has been a major disposal zone within the field. Since the Nugget has a SITP=0 and the Stump has a SITP=± 600 psi, mechanical integrity can be monitored by periodically shutting in the well and recording tubing pressure. Pending State of Utah approval, operations will continue status quo.

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

SIGNED Keith J. Nosich TITLE PETROLEUM ENGINEER DATE March 28, 1988
KEITH J. NOSICH

(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

TECHNICAL REVIEW

Engr. _____

Geol. _____

Surface _____

June 7, 1988

State of Utah, Dept. of Natural Resources
Division of Oil, Gas & Mining
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

RECEIVED
JUN 10 1988

Attention Mr. Gilbert Hunt

**DIVISION OF
OIL, GAS & MINING**

FILE: 320.2

RE: UPRR 5-1 SWDW, PINEVIEW FIELD, SEC. 5, T2N, R7E, SUMMIT CO., UT

Regarding our phone conversation on April 29, 1988, Union Pacific Resources requests permission to continue disposal under the existing well conditions. As mentioned in the Sundry dated March 28, 1988, a casing leak has apparently developed across the Stump disposal zone.

The attached wellbore diagram indicates the UPRR 5-1 is currently being utilized as a Nugget disposal well. The well handles approximately 4000 BWP (30% of Pineview requirements). The well currently operates at an average tubing pressure of 1300 psi with a constant shut-in casing pressure of 630 psi. The casing pressure matches the shut-in tubing pressure of nearby Stump disposal well Jones #1 42-5 SWDW. The UPRR 5-1 SWDW tubing will go on a vacuum when shut-in, but the casing pressure maintains at 630 psi. Consequently, it is evident that the pressure is due to a casing leak and not tubing-annulus communication. In addition, it is possible to monitor the mechanical integrity of the wellbore by periodically shutting in the well and observing casing and tubing pressure responses.

The hole does not present any additional threat to the tubing string or any uphole aquifers. The backside was displaced with a corrosion inhibitor prior to landing the tubing in the packer. Since the casing is shut-in, the packer fluid will remain in the annulus and no additional Stump water can enter the wellbore. Should a leak eventually develop in the tubing in the future, water will enter the annulus and the Stump. As mentioned, the Stump is already a disposal zone. The leak could eventually be detected by the pressure monitoring method suggested.

Options to repair the leak were evaluated which included squeezing the hole or running a liner. A successful squeeze is possible if the casing damage is not extensive. This would have to be determined by an inspection log. It is estimated a no-problem operation would cost over \$80,000. A liner would be required if the casing damage is extensive. The liner would require cementing, re-perforating and subsequent stimulation of the Nugget, and the purchase of smaller OD tubulars. This option is estimated at \$180,000.

Since no additional threats are posed to the environment or the mechanical integrity, UPRC requests permission to defer any remedial work. In addition, it is not desirable to pull the disposal string since the MMS couplings and plastic coating are susceptible to damage. Our plans call for running an inspection log when a tubing change-out or packer replacement is required next. A repair of the casing could be performed at this time.

UPRC requests permission to continue operation of the well in its current condition. If you have any questions or require further information, please contact me at 307/362-5641.

Very truly yours,

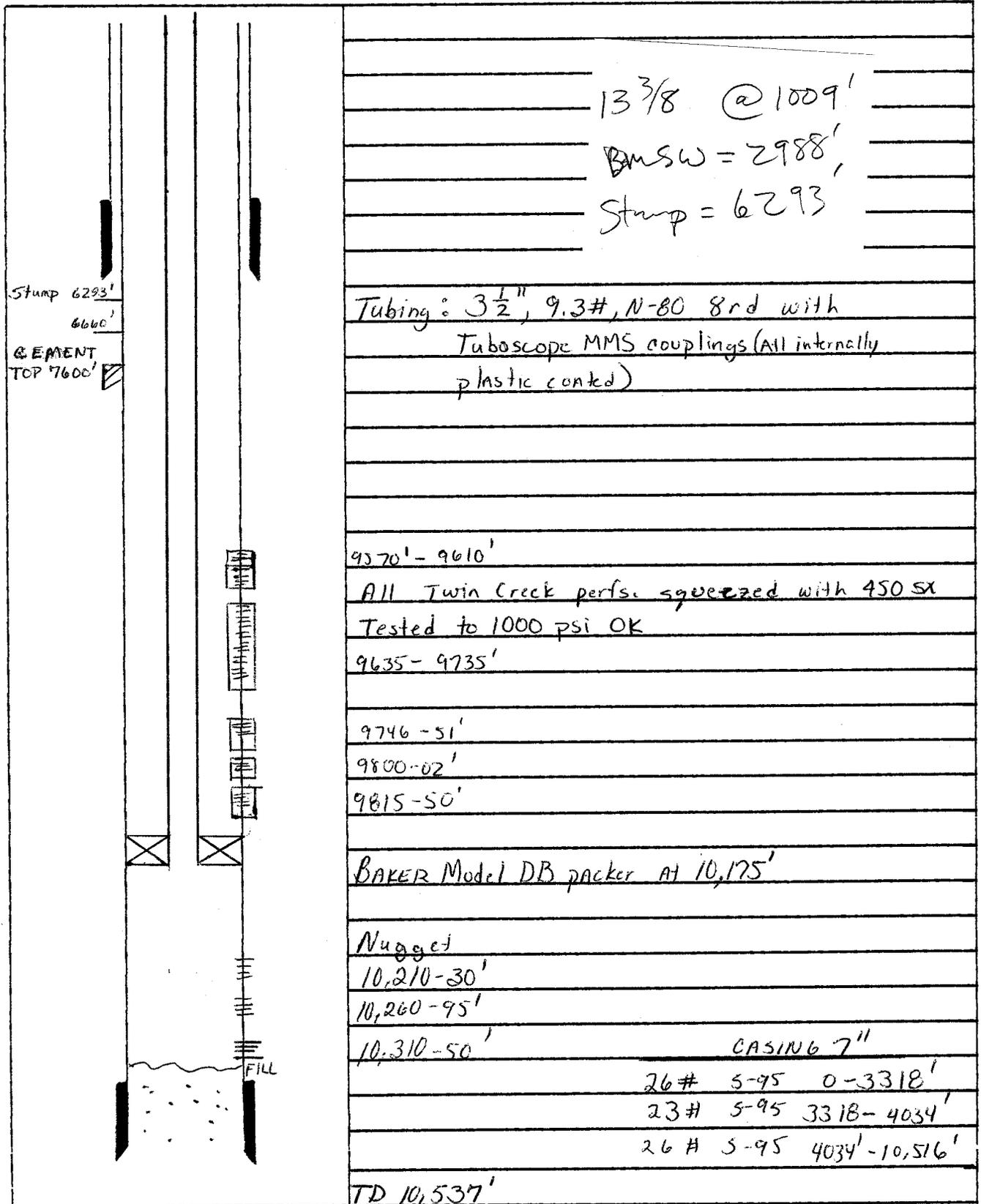
UNION PACIFIC RESOURCES COMPANY


Keith J. Nosich *KJN*
Petroleum Engineer

KJN/da

Attachment

Location 'F L 'F L Sec. 5 T. 2N R. 7E Well No. UPRR 5-1
 State Utah County Summit API No. _____ Field Pineview
 Spud _____ Comp. _____ WI _____ NRI _____ Lease UPRR
 KB 6487 GR 6464 TD 10537 PBDT 10,352' (Fill) Formation Nugget





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

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

*Enforcement
5-1
43-043-300 04*

Jel

August 2, 1988

Union Pacific Resources
P.O. Box 700
2515 Foothill Blvd.
Rock Springs, WY 82902-0700

Gentlemen:

Re: UPRR #5-1 Well, Section 5, Township 2 North, Range 7 East
Summit County, Utah

The purpose of this letter is to discuss the mechanical condition of the referenced water disposal well and other related matters concerning produced water disposal at the Pineview field.

The UPRR 5-1 injection well with the existing casing leak, does not by definition demonstrate mechanical integrity. This situation can, however be closely monitored to assure that the tubing and packer is performing properly and the fluid is being injected into the proper zone.

However, a related issue of even greater concern in the Pineview field area is that of injection into the Stump formation in wells which are near other wells(s) which have not been cemented through the Stump formation interval. This situation provides the potential for fluid movement to shallow aquifers; the exact scenario the UIC Program was designed to prevent. The Board of Oil, Gas and Mining voiced concern about this as early as 1979, with their order in Cause No. 160-14 (enclosed). The transcript from this hearing describes the Board's concern as to the possibility of a situation similar to that which has occurred between the UPRR 5-1 and Jones #1 42-5 wells. A review of the files for wells throughout the field indicates that in many wells the surface casing is set several thousand feet above the Stump formation, that no intermediate casing was set, and the top of cement outside the production casing is well below the Stump formation.

Page 2
August 2, 1988
Union Pacific

In view of the water disposal needs and environmental concerns in the Pineview field, the Division recommends the following:

- 1) That the use of the Stump Formation for water disposal be phased out starting immediately by discontinuing the use of the Jones #1 42-5 well as a disposal well. This well handles only about 7% of the total volume of water disposal for the field and perhaps this volume of water could be injected into the UPRR 5-1 well.
- 2) Perform special monitoring requirements on the UPRR #5-1 well to assure tubing integrity and early detection of tubing and/or packer failure. This monitoring should be on a daily basis. Also, the well casing should be repaired at the time of the next tubing change-out or packer replacement/repair.

The Division urges you to consider these recommendations and welcomes any further discussion or suggestions for dealing with the problems.

Sincerely,



Gil Hunt
Environmental/Geological Supervisor

tc
0310U/61-62
Enclosure

BEFORE THE BOARD OF OIL, GAS AND MINING

DEPARTMENT OF NATURAL RESOURCES

- IN AND FOR THE STATE OF UTAH

IN THE MATTER OF THE APPLI-)
CATION OF AMERICAN QUASAR)
PETROLEUM CO. OF NEW MEXICO) CAUSE NO. 160-14
FOR AN ORDER TO CONVERT TWO)
WELLS IN THE PINEVIEW FIELD)
FOR SALT WATER DISPOSAL,)
INVOLVING LANDS IN SUMMIT/)
COUNTY, UTAH.)

ORDER

Pursuant to the application of American Quasar Petroleum Co. of New Mexico, this cause came on for hearing before the Board of Oil, Gas and Mining, Utah Department of Natural Resources, at 9:00 a.m., on Tuesday, June 26, 1979, in the Executive Conference Room, Holiday Inn, 1659 West North Temple, Salt Lake City, Utah. The following Board members were present:

Charles R. Henderson, Chairman (presiding)

Edward T. Beck

Thadis Box

John L. Bell

E. Steele McIntyre

C. Ray Juvelin

Also present was Cleon B. Feight, Director. Witnesses for the applicant were W. R. Seidel and James T. Brown. The applicant was represented by Robert G. Pruitt, Jr., attorney.

NOW, THEREFORE, the Board, having considered the testimony and the exhibits received at said hearing, and being fully advised in the premises, now makes and enters the following:

FINDINGS

1. Due and regular notice of the time, place and purpose of the hearing was given to all interested parties in the form and in the manner and within the time required by law in the Rules and Regulations of the Board.

2. The Board has jurisdiction over the matter covered by said application and over all parties interested therein and has jurisdiction to make and promulgate the Order hereinafter set forth.

3. Salt water production from the wells of the Pineview Field is increasing and the existing disposal facilities are now at their capacity. Continued operations necessitate approval of additional salt water disposal facilities to maintain efficient oil production. Neither the Boyer 34-1 nor the UPRR 11-1 wells have ever produced oil from the Stump formation, and neither well is currently capable of oil or gas production from any formation. The Stump formation represents a satisfactory reservoir for disposal of produced salt water under the circumstances and constraints applicable to the Pineview Field.

4. The Boyer 34-1 well in SE $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 34, Township 3 North, Range 7 East, and the UPRR 11-1 well in the NW $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 11, Township 2 North, Range 7 East, can be efficiently converted to salt water disposal wells into the Stump formation with a potential capacity of 10,000 barrels of water per day per well, sufficient to meet existing and proposed disposal requirements. The Boyer 34-1 well casing can be block squeezed to isolate the injection zone, while the UPRR 11-1 well will require casing and cementing the injection zone to prevent contamination of other formations.

5. Analysis of the water to be disposed of from the Pineview Field is compatible with conditions in the Stump formation. The Stump formation is capable of accepting the quantities of water produced from the Pineview Field, and

disposed water in the Stump formation will not reach surface or shallow potable water sources or contaminate other water aquifers.

6. Continued efficient production of oil from the Pineview Field requires that applicant's proposed plan of salt water disposal be adopted in accordance with the provisions hereinafter stated.

IT IS, THEREFORE, ORDERED:

1. That the Boyer 34-1 well in the SE $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 34, Township 3 North, Range 7 East, and the UPRR 11-1 well in the NW $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 11, Township 2 North, Range 7 East, be converted to salt water disposal wells for the Pineview Field, and that said wells be limited to disposal of salt water into the Stump formation after the injection interval is acceptably isolated.

2. That applicant's proposed program for converting and operating the disposal wells be followed with the following changes:

(a) Injection pressures may not exceed 2500 psi.

(b) For each producing well within a one-half ($\frac{1}{2}$) mile radius of a disposal well, applicant shall be required to conduct a temperature log or a noise log, or other acceptable test to determine whether vertical migration of fluids is occurring behind the well casing from the Stump formation into other formations. Such surveys shall be conducted at least once every three (3) years for each well.

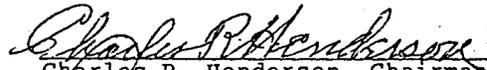
As provided in applicant's proposed program, cement bond logs for the injection intervals of both disposal wells will be submitted to the staff for inspection prior to disposal operations.

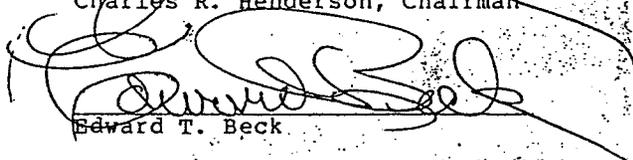
3. If deviations from applicant's program are required, staff approval shall first be sought and obtained.

Any future substitute or additional disposal wells shall be approved by the staff without the necessity for a further hearing before this Board.

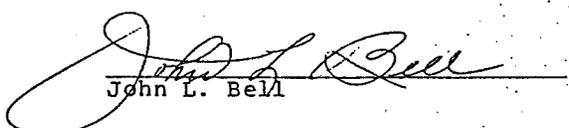
4. The application was approved by all Board members except Thadis Box. The Board retains continuing jurisdiction of all matters covered by this Order and over all parties affected hereby.

DATED this 26th day of June, 1979.


Charles R. Henderson, Chairman


Edward T. Beck

Thadis Box


John L. Bell


E. Steele McIntyre


C. Ray Javelin



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangert
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

March 16, 1990

UIC	
GLH	/
DJJ	/
BGH	/
COMPUTER	/
MICROFILM	/
FILE	/
Enforcement	

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

Gentlemen:

Re: Disposal Wells No.s 5-1 and 15-1, Sections 5 and 15, Township 2 North, Range 7 East, Summit County, Utah, API No.s 43-043-30004, 30080

The purpose of this letter is to discuss the mechanical condition of the referenced wells.

The 15-1 well has pressure on the tubing/casing annulus which indicates a probable leak in the tubing or packer. This well is also due for a mechanical integrity test which is required by rule every five years. Please make arrangements to repair and test the well to demonstrate compliance. If possible this work should begin within 60 days following receipt of this letter.

The 5-1 well has had a casing leak opposite the Stump formation, for at least two years. This concern was pointed out to you in a letter from this Division dated August 2, 1988 and it was hoped that this situation would be remedied by cement squeeze. Monitoring of the tubing and annulus pressures assure the integrity of the tubing and packer, however, fluid could be migrating up outside the casing into shallower zones.

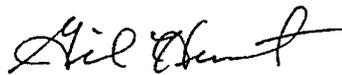
At this time we are requesting that UPRC take the following actions to rectify the problem and bring this well back into full compliance with regulations. This work should begin within 60 days following receipt of this letter.

1. Run an " Oxygen Activation Log " on the well to determine whether fluid is migrating up outside the casing into shallow zones.
2. Perform remedial cement work on the well to eliminate the casing leak and establish an obstruction to the possible up hole fluid movement outside the casing.

Page 2
Union Pacific Resources Company
March 16, 1990

If you would like to discuss these items or have other suggestions for solving these problems, please call.

Sincerely,

A handwritten signature in cursive script, appearing to read "Gil Hunt".

Gil Hunt
UIC Manager

ldc
cc: R.J. Firth
WO155

American Quasar Petroleum

WPRR No. 5-1

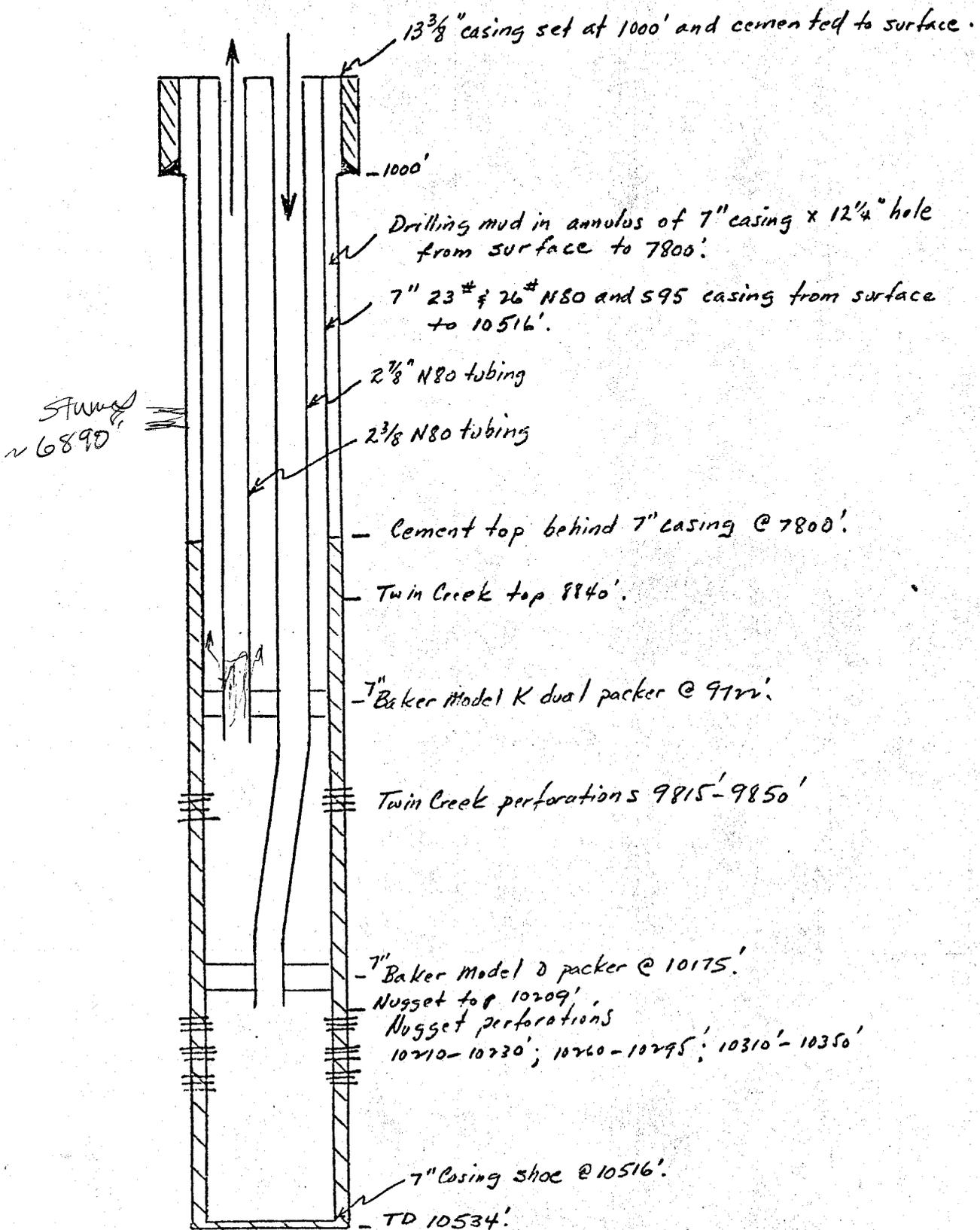
Dual Nugget Disposal - Twin Creek Producer

1370' FSL 710' FEL Sec 5-2N-7E,

Pineview Field, Summit Co., Utah

COMPLETION SCHEMATIC

* All measurements are from KBE 6488'

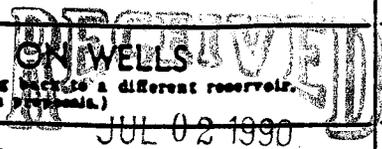


STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

PRINT IN TRIPPLICATE
(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 wells in a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)



3. LEASE DESIGNATION AND SERIAL NO. Fee
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME UPRR
9. WELL NO. 5-1
10. FIELD AND POOL, OR WILDCAT Pineview
11. SEC., T., R., M., OR B.L. AND SUBDIV. OR AREA Sec. 5, T2N, R7E
12. COUNTY OR PARISH 13. STATE Summit County Utah

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Salt Water Disposal
2. NAME OF OPERATOR Union Pacific Resources Company
3. ADDRESS OF OPERATOR P.O. Box 7, MS 3409 Ft. Worth, TX 76101-0007
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface SESE Sec. 5 T2N R7E, Pineview Field, Summit County, Utah
14. PERMIT NO. 43-043-30004
15. DISTANCES (Show whether DF, RT, or, etc.) 6487' KB 6464' GR

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) <input type="checkbox"/>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROMISED 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 procedure outlines our proposed plans to repair the casing in the subject well:

- MIRUSU, Mud pump, Flat Tank.
- ND wellhead, NU BOP. Pull out of packer and TOOH laying down w/ 3-1/2" IPC MMS tubing string. Inspect tubing string and coating. Redress seal assembly.
- PU 6-1/8" bit and TIH w/workstring to 10175'. If necessary, PU casing swage or mill, drill collars, bumper sub, and jars and swage or mill out casing to 6.125". (7" 26# casing drift diameter 6.151".)
- TOOH and rig up Schlumberger to run MET log to evaluate extent of casing damage from 10175' to surface. After logging, RIH w/wireline set RBP and set @ 10100'. Dump 2 sx sand on top. RD wireline.
- TIH w/pkr and tubing. Pressure test RBP to 2000 psi. Isolate casing leak with packer. TOOH.
- TIH w/CICR and set 75-100' above casing leak. Pressure test tubing to 2000 psi.

Continued on the back --

DATE	7/3/90
SIGNATURE	[Signature]

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

SIGNED: [Signature] TITLE: Staff Petroleum Engineer

(This space for Federal or State office use)

APPROVED BY: _____ TITLE: _____ DATE: _____

CERTIFICATE OF APPROVAL, IF ANY:

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

DATE: 7-3-90 BY: [Signature]

*See Instructions on Reverse Side

7. RU cementers, sting into retainer, and establish injection rate. Cement squeeze casing leak w/100 sx low water loss cement (WL < 100cc/30 min.) followed by 100 sx 50-50 POZMIX.
8. Sting out of retainer, reverse circulate tubing clean, and TOOH. WOC.
9. PU rock bit, collars, and drill up cement and cement retainer. Circulate hole clean and pressure test squeeze to 1000 psi for 30 minutes. TOOH.
10. If pressure holds, proceed to step #11, otherwise repeat steps 6-9.
11. TIH w/retrieving head and circulate sand off RBP. Circulate hole clean with annular fluid treated with biocide and inhibitors as necessary. Retrieve RBP and TOOH laying down work string.
12. PU 3-1/2" IPC tubing string with seal assembly and TIH. Sting into packer.
13. ND BOP and NU wellhead. Pressure test annulus to 1000 psi. Contact state of Utah 48 hours prior to pressure testing annulus.
14. RDMSU and return well to disposal.

J

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER - SWD Well		3. LEASE DESIGNATION AND SERIAL NO. Fee
2. NAME OF OPERATOR Union Pacific Resources Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
3. ADDRESS OF OPERATOR P. O. Box 7 - MS 3407, Fort Worth, Texas 76101-0007		7. UNIT AGREEMENT NAME N/A
4. LOCATION OF WELL (Report location clearly and in accordance with applicable rules. See also space 17 below.) At surface SESE API 43-043-30004		8. FARM OR LEASE NAME UPRR
14. PERMIT NO.		9. WELL NO. 5-1
15. ELEVATIONS (Show whether op. pt. or DIVISION OF OIL, GAS & MINING)		10. FIELD AND POOL, OR WILDCAT Pineview
		11. SEC., T., R., N., OR S.E. AND SURVEY OR AREA Sec. 5-T2N-R7E
		12. COUNTY OR PARISH Summit
		13. STATE Utah

RECEIVED
FEB 25 1991

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 COMPLETS <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDISE <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>SWD Casing Repairs</u> <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion or 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 work was performed from May 5, 1990 to October 1, 1990:

1. Attempt to run Oxygen Activation Log on May 18, 1990. Tool pulled out of rope socket and fell to bottom; top of tool @ 10,344'; bottom of tool @ 10,386. Several attempts to fish were unsuccessful. Contacted State of Utah, Bureau of Radiation Control for procedure to abandon tool in hole.
2. Abandon tool in hole as follows on 6-2-90: MIRU Halco & Nowcam. Pumped a balanced 50' plug of Class G red oxide cement from 10,388'-10,377' to encapsulate logging tool. (Cement tagged @ 10,336').
3. Acidized nugget perms from 10,210'-10,350' on June 4, 1990 as follows: Pumped 5000 gals of HCL acid. Pump 18.2 BBLS of fresh water. Circulated bottoms up. Started pumping acid @ .9 BPM & 4200 psi. Pumped total of 5000 gals of 15% HCL Acid displaced with 21 BW. Jetted well with total of 35,000 SCF N2.
4. On June 5, 1990, injection lines hook back-up; Well returned to injection status.
5. On July 9, 1990, commenced casing repairs operations. Ran casing inspection log identifying corrosion from 3700'-6300'.

(CONTINUED ON BACKSIDE)

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

SIGNED Joy L. Prohaska TITLE REGULATORY ANALYST DATE 2-8-91
JOY L. PROHASKA

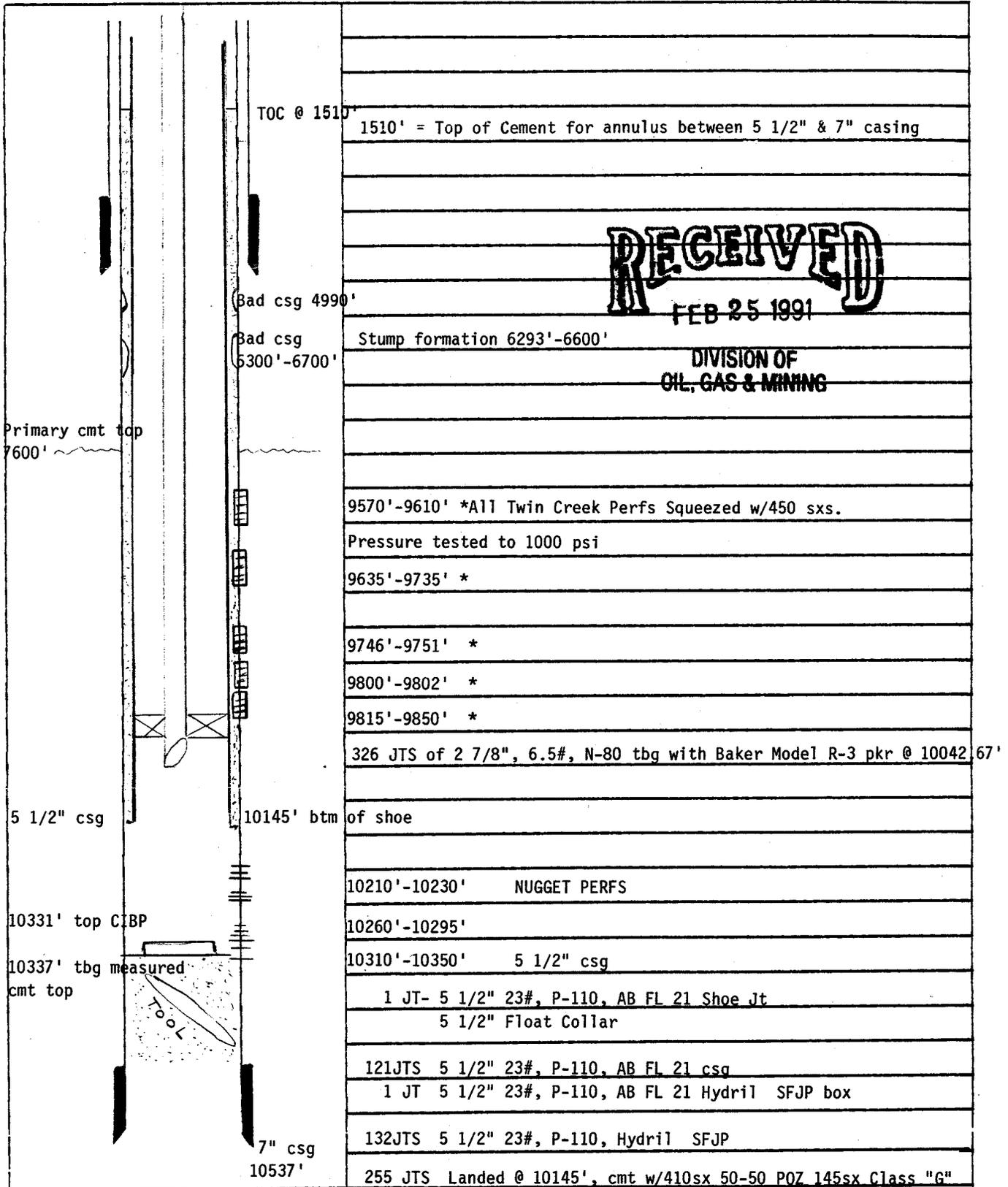
(This space for Federal or State office use)

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

6. Squeeze cemented casing six times from 3606' to 10,123' with a total of 1425 sx of cement from 7-19-90 thru 8-5-90.
7. 9-7-90 set CIBP @ 10,500'. PU & ran 255 jts of 5-1/2", 23#, P110 casing (10,140-81'). Bottom of shoe @ 10,145'. 9-11-90 Drld and chased CIBP to 10,331'. Dumped 34 sx of sand down 5-1/2" casing. CIBP set @ 10,331'. RU Halco circulated 100 bbls fresh water down 5-1/2" casing. Pumped 410 sx of 50/50 POZ and 145 sx class G. Good returns, no cement returns.
8. 9-20-90 RU Schlumberger. Ran CBL from 10,100' to 1100'. TOC @ 1510'.
9. 9-27-90 MIRU Cudd Pressure control and RU to acidize nugget perms 10,210' to 10,337' with 5000 gallons of 7.5% HCL acid with 150 bbls of Diklor S and 5% Checkersol. Displaced with 78 bbls of H2O.
10. 9-29-90 PU and ran 326 jts of 2-7/8", 6.5#, N-80 EUE tubing. Packer set @ 10,042.67' with 22,000 compression.
11. 10-11-90 MIRU Schlumberger to perform injectivity test. Pumped 2.5 BPM @ 1500 psi (3600 BWPD). Well on injection.

WELLSBORE DIAGRAM

Location 'F L 'F L Sec. 5 T. 2N R. 7E Well No. UPRR 5-1
 State Utah County Summit API No. _____ Field Pineview
 Spud _____ Comp. _____ WI _____ NRI _____ Lease _____
 KB _____ GR _____ TD _____ PBDT _____ Formation Nugget



RECEIVED
 FEB 25 1991
 DIVISION OF
 OIL, GAS & MINING

Good returns, no cmt returns

STATE OF UTAH

DIVISION OF OIL, GAS AND MINING

INJECTION WELL - PRESSURE TEST

TEST DATE: 6/30/93 WELL OWNER/OPERATOR: UPRC

DISPOSAL WELL: X ENHANCED RECOVERY WELL: OTHER:

API NO: 43-043-30004 WELL NAME/NUMBER: 5-1

SECTION: 5 TOWNSHIP: 2N RANGE: 7E

INITIAL CONDITIONS:

TUBING - rate: pressure: SI

CASING/TUBING ANNULUS - pressure: 0

CONDITIONS DURING TEST:

TUBING pressure: 0 psi for 15 minutes

CASING/TUBING ANNULUS pressure: 1000 psi

annulus pressure drop during test: 0 psi

CONDITIONS AFTER TEST:

TUBING pressure: SI psi

CASING/TUBING ANNULUS pressure: 0 psi

REMARKS:

well was pressured to 1000 psi
held for 15 min.

Paul Smith
OPERATOR REPRESENTATIVE

[Signature]
DOG M WITNESS



Michael O. Leavitt
Governor
Ted Stewart
Executive Director
James W. Carter
Division Director

State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

LDC

June 1, 1993

Union Pacific Resources Co.
P.O. Box 527
Coalville, Utah 84017

Gentlemen:

Re: Pressure Test for Mechanical Integrity, #3-5, #5-1, #4-1, Bingham #1, Judd #34-2, Salt Water Disposal Wells, Pineview and Lodgepole Fields, Summit County, Utah

The Underground Injection Control Program which the Division of Oil, Gas and Mining (DOGM) administers in Utah, requires that all Class II injection wells demonstrate mechanical integrity. It has been past policy of the Division to require pressure testing of all Class II salt water disposal wells and other injection wells not reporting monthly annulus pressures in accordance with rule R649-5-5.3 of the Oil and Gas Conservation General Rules. This rule requires that the casing-tubing annulus above the packer be pressure tested at a pressure equal to the maximum authorized injection pressure or 1,000 psi, whichever is lesser, provided that no test pressure is less than 300 psi. This test shall be performed at least every five year period beginning October, 1982. Our records indicate the above referenced wells are due for testing for the second five year period. Please make arrangements and ready the wells for testing during the week of June 28, 1993 as outlined below:

1. Operator must furnish connections, and accurate pressure gauges, hot oil truck (or other means of pressuring annulus), as well as personnel to assist in opening valves etc.
2. The casing-tubing annulus shall be filled prior to the test date to expedite testing, as each well will be required to hold pressure for a minimum of 15 minutes.
3. If mechanical difficulties or workover operations make it impossible for the wells to be tested on this date the tests may be rescheduled.

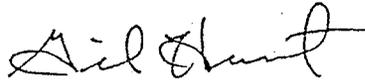


Page 2
Pressure Test
June 2, 1993

4. Company personnel should meet DOGM representatives at the field office or other location as negotiated.
5. All bradenhead valves with exception of the tubing on the injection wells must be shut in 24 hours prior to testing.

Please contact Mr. Dan Jarvis at (801)538-5340 to arrange a meeting time and place or negotiate a different date if this one is unacceptable.

Sincerely,



Gil Hunt
UIC Program Manager

Idc
Attachment
WOI52



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor
Ted Stewart
Executive Director
James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

August 8, 1995

STIPULATIONS FOR PLUGGING AND ABANDONMENT
UPRR 5-1
SECTION 5, TOWNSHIP 02 NORTH, RANGE 07 EAST
SUMMIT COUNTY, UTAH
API #43-043-30004

1. Notify DOGM 24 hrs. prior to the beginning of plugging operations.
2. In step 2 set retainer @ \pm 9500'.
3. Between steps 3 & 4 might want to consider circulating plugging fluid "non corrosive fluid of adequate density to prevent migration of formation water into or through the well bore"

Lease:UPRR
Well #:5-1

Spud Date: 12/21/1971
KB: 0
TD: 10534

Comp Date: 10/12/1977
ELEV: 6464
PBD: 0

API #: 43-043-30004-
Location: Sec 05 Twn 02N Rng 07E
County: SUMMIT
State: UTAH
Field: PINEVIEW
Operator: UNION PACIFIC RESOURCES

Depth	Interval	Start End	Size Length	Description
				Description
0-		0.0	17.500	Hole: SURFACE
1060-	1	1000.0	1000.0	
		0.0	13.375	Casing: 48# CASING
		1000.0	1000.0	
		0.0		Cement: 1330 CU FT SET BY OCCIDENTAL
		1000.0	1000.0	PET. CORP
2120-				
3180-				
4240-				
5300-	2	4990.0		Perf: BAD CASING
		4991.0	1.0	
	3	6300.0		Perf: BAD CASING STUMP FORMATION
		6700.0	400.0	6293-6600
	4	1000.0	12.500	Hole: INTERMEDIATE
		8390.0	7390.0	
	5	9570.0		Perf: ALL TWIN CREEK PERFS SQUEEZED
		9610.0	40.0	W/450SXS TESTED 1000PSI.
		9635.0		Perf:
		9735.0	100.0	
		9746.0		Perf: SQUEEZE PERFS NEVER SQUEEZED
		9751.0	5.0	
		9800.0		Perf: SQUEEZE PERFS
	3	9802.0	2.0	
		9815.0		Perf: RICH SQUEEZE
		9850.0	35.0	
		9815.0		Perf: 2SPF
		9850.0	35.0	
	6	1510.0		Cement: 410SX 50/50POZ+145 SX CL G.
		10145.0	8635.0	
		0.0	5.500	Casing: 123JTS 23# P-110
		10145.0	10145.0	ABFL4S+132JTS 23# P-110 HYDRIL SFJP
		10210.0		Perf: 2SPF
		10230.0	20.0	
		10260.0		Perf: 4SPF
	4	10295.0	35.0	
		10274.0		Perf:
		10295.0	21.0	
		10310.0		Perf: 4SPF
		10350.0	40.0	
		10310.0		Perf:
		10350.0	40.0	
	5	10336.0	9.625	Plug: CL G PLUG RED OXIDE CEMENT TO
		10388.0	52.0	ENCAPSULATE LOST LOGGING TOOL
		7800.0		Cement: 450SX 50/50POZ+4%GEL+10#/SX
		10516.0	2716.0	GILSONITE+750SX
	6	0.0	9.625	Casing: 75JTS 26# S-95, 16JTS 23#
		10516.0	10516.0	S-95 160JTS 23# N-80
		8390.0	9.875	Hole:
9540-		10530.0	2140.0	



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor
Ted Stewart
Executive Director
James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

July 1, 1993

Paul Smith
Union Pacific Resources Company
P.O. Box 527
Coalville, Utah 84017

Dear Paul:

Re: Pressure Tests for Mechanical Integrity, McDonald 31-3, Bingham #1, 5-1 and Clark 4-1, Salt Water Disposal Wells, Pineview Field, Summit County, Utah

On June 30, 1993, pressure tests for mechanical integrity were conducted on the above referenced wells. All of the wells with the exception of the Clark 4-1 passed the MIT and have satisfied the requirements of our 5 year testing period.

Please submit to the Division within 15 days of the receipt of this letter your plans for repairing the Clark 4-1 disposal well, including a time frame.

If you have any questions, please call me at (801)538-5340.

Sincerely,

A handwritten signature in cursive script that reads "Dan Jarvis".

Dan Jarvis
Geologist

ldc
WUI34





Union Pacific
Resources

Resources for the Energy Industry

13 043 50004

July 11, 1995

Division of Oil, Gas and Mining
Utah Department of Natural Resources
3 Triad Center - Suite 350
355 West North Temple Street
Salt Lake City, Utah 84190

ATTN: Mr. Mike Hebertson

RE: **Proposed Plugging Procedure**
UPRR 5-1
Section 5, T. 2 N., R. 7 E.
Summit County, Utah

Dear Mike:

Enclosed for your review and approval is an original and one copy of the plugging procedure Union Pacific Resources Company (UPRC) proposes to use on the above referenced well. Because of scheduling equipment and manpower, UPRC solicits approval of the procedure at your earliest convenience.

Please call me at (817) 877-7952, FAX (817) 877-7942, if you have any questions or need additional information.

Yours truly,

UNION PACIFIC RESOURCES COMPANY

W. F. Brazelton
Senior Regulatory Analyst

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

RECEIVED
JUL 12 1995
DIV. OF OIL, GAS & MINING

5. Lease Designation and Serial No.
UPRC Fee

6. Indian, Allottee or Tribe Name
NA

7. Unit Agreement Name
NA

8. Well Name and Number
UPRR 5-1

9. API Well Number
43-043-30004

10. Field and Pool, or Wildcat
Pineview

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals

1. Type of Well:
OIL () GAS (X) OTHER:

2. Name of Operator
Union Pacific Resources Company

3. Address and Telephone Number
P. O. Box 7 MS 3006 Fort Worth, Texas 76101-0007
Telephone (817) 877-6000 (Main Number)

4. Location of Well
Footages 1380' FSL 710' FEL
County Summit
State Utah
QQ, Sec., T., R., M. SESE Section 5, R. 2 N., R. 7 E.

11 CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)

(X) Abandonment () New Construction
 () Casing Repair () Pull or Alter Casing
 () Change of Plans () Recompletion
 () Conversion to Injection () Shoot or Acidize
 () Fracture Test () Vent or Flare
 () Multiple Completion () Water Shutoff
 () Other:

Approximate date work will start: Upon Approval

SUBSEQUENT REPORT
(Submit Original Form Only)

() Abandonment * () New Construction
 () Casing Repair () Pull or Alter Casing
 () Change of Plans () Shoot or Acidize
 () Conversion to Injection () Vent or Flare
 () Fracture Treat () Water Shut-Off Shutoff
 () Other _____

Date of work completion _____

Report results of Multiple Completions and Reclamations to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.
 * Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work).

Union Pacific Resources Company proposes to permanently plug and abandon the above referenced well as per the attached procedure. Operator of Record for the well.

PLEASE CONSIDER ALL SUBMITTALS PERTAINING TO THIS WELL AS "COMPANY CONFIDENTIAL"
If additional information is needed, please contact the undersigned at (817) 877-7952, FAX (817) 877-7942

13.
Name/Signature: W. F. Brazelton W.F. Brazelton Title: Senior Regulatory Analyst Date: 95-07-11

(This space for State use only)

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS AND MINING
DATE: 8/11/95
BY: [Signature]
as per attached strips

43-043-30004

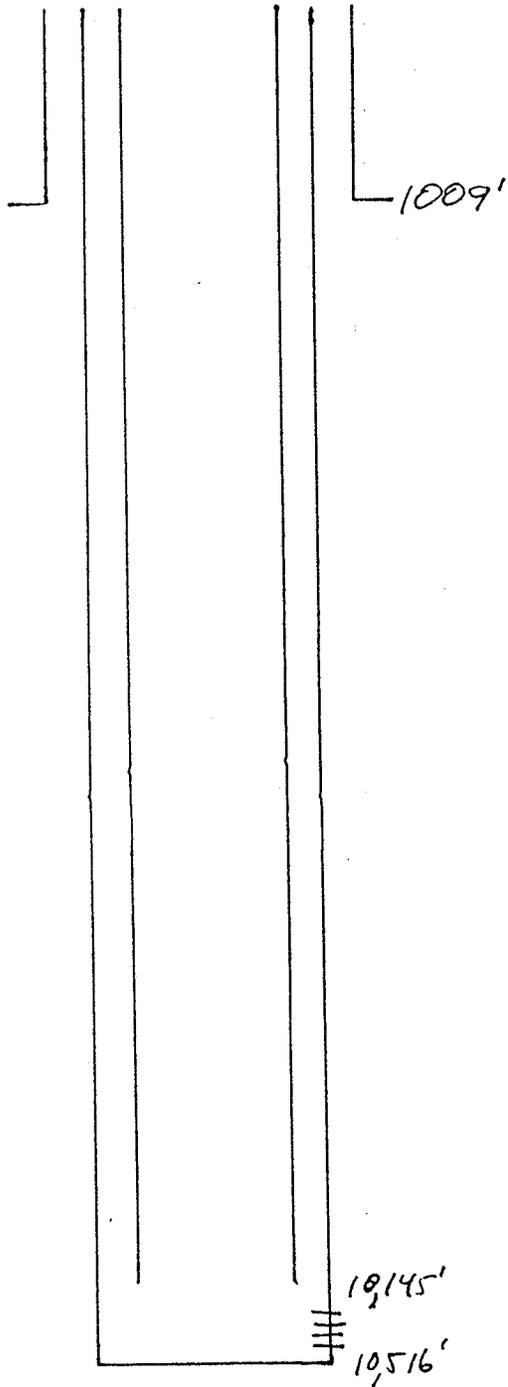
UPRR 5-1
55-TAN-R7E
6L-6464'

13 3/8" 48# csq cmt'd e 1009'

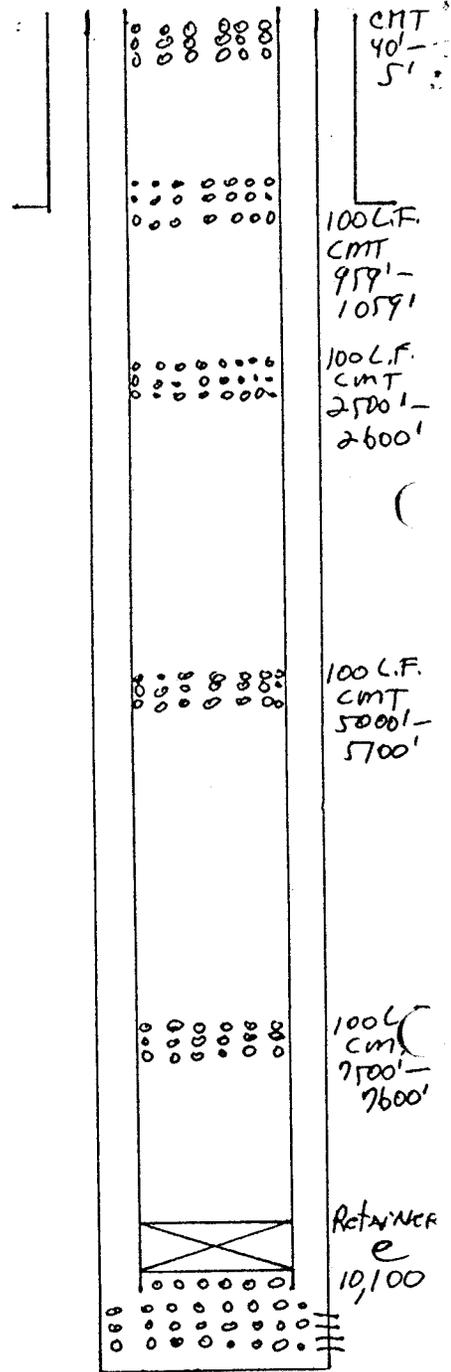
7" 2326# csq cmt'd in 12 1/4,
8 3/4" hole with 1200 SX.
Shot e 10516'

5 1/2" 23# P-110 csq e 10145'. Cmt'd
with 410 SX, 50-D P02, 145 SX "G".
TOC e 1570' f/ CBL.

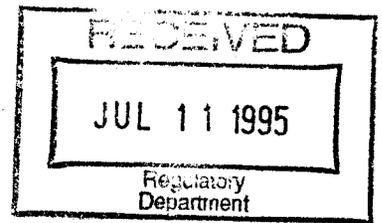
Perforations - Nugget 10,210' - 10,337'



Present



Proposed



UPRR 5-1
SE S5 T2N R7E
Summit County, Utah
Elevation = 6464' KB = 6488' TD = 10,516'

Surface Casing: 13-3/8" 48# @ 1009'.
Intermediate Casing: 7" 23, 26# @ 10,516' in 12-1/4", 8-3/4" hole. Cemented with 1200 sxs.
Liner: 5-1/2" 23# P-110 with shoe @ 10,145'. TOL @ surface. Cemented with 555 sxs. TOC @ 1510' from CBL.
Tubing: 326 jts 2-7/8" 6.5# N-80 with packer @ 10,043'.

Plug and Abandonment Procedure: 6-12-95

1. MIRU production rig with circulating pump and tank. Remove tree. NU BOP.
2. Release and POH with packer. LD packer. PU 5-1/2" 23# retainer on tubing and RIH to 10,100'.
3. Based on the breakdown, pump +/- 50 FT3 cement through the retainer and spot 3 FT3 of cement on top of the retainer.
4. At 7500', 5000' and 2500' spot 100 linear feet of cement (12 FT3). As you POH lay down the tubing.
5. From 959' - 1059' spot 100 linear feet of cement (12 FT3).
6. With an inside spear, pick up the casing and release the slips.
7. Pick up +/- 100' of 1" tubing. Cement the production-surface casing annulus with 25 sxs.
8. Spot 10 sxs cement from 40' to 5'. Leave the top 4'-5' clean of cement.
9. RDMO production rig and equipment.
10. Cut off the casing head.
11. Set a regulation P&A marker, top off the production casing with cement. The regulation P&A marker is to have the following information :

UPRR 5-1
Union Pacific Resources Company
S5 T2N R7E
Elevation 6464'

12. Rehabilitate location.

P. L. Stevens

cc: J. Neuner, P. Straub, M. Talbott, B. Brazelton, Files.

Author: Paul R. Smith at UPRC-FW-FS1
Subject: Mechanical Integrity Testing of Pineview SWD Wells

----- Message Contents -----

Bingham & Sons #1 Pumped 65 BBLs of treated water. 1000PSI on backside and 500PSI on tbg held pressure on backside for 30 min.. Well pressure Tested OK! (when injection pumps were down the tbg pressure was 110PSI)

43-043-30295
Sec. 2, 2N, 7E

McDonald 31-3: Pumped 3 BBLs of treated water. 1000PSI on backside and 770PSI on tbg with injection pump running. (when injection pump was down the tbg pressure went to 120PSI) Well pressure Tested OK!

43-043-30018
Sec. 3, 2N, 7E

Clark 4-1: Pumped 29 BBLs of treated water. 1000PSI on backside and 530PSI on tbg, held pressure on backside for 30 min.. The backside bled off to 700PSI in 20 min. then held. Looks like the twin creek perfs. are still leaking because the injection pressure came up to 1125PSI at the same time. Does not look like we have communication between the tbg and annulus. Well did not pressure test!

43-043-30071
Sec. 4, 2N, 7E

Failed MIT

UPRC #1 Exxon: Pumped 2 BBLs of treated water. 1000PSI on backside and 675PSI on the tubing with the injection pumps shutdown. Held pressure on backside for 30 min. After 10 min. the backside bled off to 900PSI we started the injection pumps and tbg pressure went to 1080PSI. After 25 min. the backside was at 775PSI the tbg was holding at 1125PSI. Looks like the Perfs. are still leaking on this well. Does not look like we have communication between the tbg and annulus. Well did not pressure test!

43-043-30290
Sec. 17, 2N, 7E

Failed MIT

UPRR 33-1 Conoco: Pumped 390 BBLs treated water. 100PSI on backside and 635PSI on the tubing with the injection pump running. Well did not test leaking in perfs. Well did not pressure test!

43-043-30233
Sec. 33, 2N, 6E

UPRR 3-5: Pumped 1 BBL treated water. 1000PSI on backside and 2200PSI on tbg. Pressure dropped off to 700PSI on backside pumped back up to 1000PSI on back side and shut in to go test the bingham 10-3. Backside pressure down to 550PSI in one hour. Well did not pressure test!

43-043-30035
Sec. 3, 2N, 7E

Blonquist 26-4: Pumped 5 BBLs treated water. 1000PSI on backside and 1600 on tbg. Held pressure for 15 min. Well Pressure Tested OK!

43-043-30268
Sec. 26, 2N, 6E

UPRR 10-3: Had 500PSI on backside and water at surface. Pumped 10 BBLs of treated water. Well did not pressure test. State would like for us to P&A this well as soon as possible.

43-043-30097
Sec. 10, 2N, 7E

UPRR 5-1 Jones : On P&A list.

43-043-30004
Sec. 5, 2N, 7E



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Underground Injection Control Program
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801
801-538-5338
801-359-3940 (Fax)

Daniel Jarvis
Geologist

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

5. Lease Designation and Serial No.	Fee
6. If Indian, Allottee or Tribe Name	NA
7. Unit Agreement Name	NA
8. Well Name and Number	UPRR 5-1 SWD (Jones)
9. API Well Number	43-043-30004
10. Field and Pool, or Wildcat	Pineview

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals

1. Type of Well: OIL () GAS () OTHER: () INJ. (X)

2. Name of Operator
Union Pacific Resources Company

3. Address and Telephone Number
P. O. Box 7 MS 3006 Fort Worth, Texas 76101-0007
Telephone (817) 877-6000 (Main Number)

4. Location of Well
Footages 1320' FSL, 710' FEL Sec. 5, T. 2 N., R. 7 E. County Summit
QQ, Sec., T., R., M. (SE/4SE4) Sec. 5, T. 2 N., R. 7 E. State Utah

11 CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)
() Abandonment	(X) Abandonment *
() Casing Repair	() Casing Repair
() Change of Plans	() Change of Plans
() Conversion to Injection	() Conversion to Injection
() Fracture Test	() Fracture Treat
() Multiple Completion	() Other _____
() Other:	
() New Construction	() New Construction
() Pull or Alter Casing	() Pull or Alter Casing
() Recompletion	() Shoot of Acidize
() Shoot or Acidize	() Vent or Flare
() Vent or Flare	() Water Shut-Off Shutoff
() Water Shutoff	

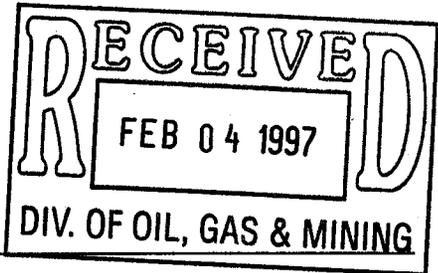
Approximate date work will start: Upon Approval

Date of work completion _____

Report results of Multiple Completions and Reclamations to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.
* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work).

Please be advised that Union Pacific Resources Company permanently plugged and abandoned the above referenced well on Jan 17-23, 1997, according to the accompanying daily reports of operations and Schlumberger cement verification report.



PLEASE CONSIDER ALL SUBMITTALS PERTAINING TO THIS WELL AS "COMPANY CONFIDENTIAL"
If additional information is needed, please contact the undersigned at (817) 877-7952, FAX (817) 877-7942

13. Name/Signature: W. F. Brazelton *W. F. Brazelton* Title: Senior Regulatory Analyst Date: 97-01-31

(This space for State use only)

Union Pacific Resources

Day # 1

17-Jan-97

Daily Completion and Workover Report

Proposed Work: PLUG TO ABANDON AFE# A0923

PC: Land Grant

Team: Overthrust

Lse: Jones 5-1

Field: Pineview

Rig: Dunbar

Supervisor: Talbott / Smith

Casing & Liner

OD	WT	Grade	Remarks
13 3/8"	48		0'-1009'
7"	26		0'- 10516'
5 1/2"	23	P-110	0'- 10145'

Packer Detail: Anchor set @

Operations

From To

06:00 MIRU Dunbar Service RIG

18:00

BHA

Qty	Description	Length
1	kb	24.00
326	jts. 2 7/8" N-80	10040.00
1	Baker R-3 packer	3.00

Total BHA 10067.00

NOTE:

Costs

Qty	Description	Cost
	Rig	\$750
	Rentals	\$0
	Schlumberger / Dowell	\$0
	Geary (Dirt work)	\$2,474
	Dalbo	\$0
	Labor	\$0
	Trucking	\$0
	Supervisor	\$300
	Contingency 5%	\$55
	Total Daily Cost	\$3,579
	Cumulative Cost to Date	\$3,579

Union Pacific Resources

Day # 2

18-Jan-97

Daily Completion and Workover Report

Proposed Work: PLUG TO ABANDON AFE# A0923

PC: Land Grant

Team: Overthrust

Lse: Jones 5-1

Field: Pineview

Rig: Dunbar

Supervisor: Talbott / Cooper

Casing & Liner

OD	WI	Grade	Remarks
13 3/8"	48		0'-1009'
7"	26		0'-10516'
5 1/2"	23	P-110	0'-10145'

Packer Detail: Anchor set @

Operations

From To

06:00		Started to ND wellhead valves frozen, Thaw wellhead NU BOP, pull hanger jt POH laying down singles
		Laydown 150 jts 2 7/8" plastic coated tbg w/MMS
18:00		collars, secure well, service rig, Shut down until Monday

BHA

Qty	Description	Length
1	kb	24.00
326	jts. 2 7/8" N-80	10040.00
1	Baker R-3 packer	3.00
Total BHA		10067.00

NOTE:

Costs

Qty	Description	Cost
	Rig	\$2,200
	Rentals	\$195
	Schlumberger / Dowell	\$0
	Geary (Dirt work)	\$0
	Dalbo	\$30
	Labor	\$0
	Trucking	\$1,000
	Supervisor	\$300
	Contingency 5%	\$194
	Total Daily Cost	\$3,919
	Cumulative Cost to Date	\$7,498

Union Pacific Resources

Day # 5

22-Jan-97

Daily Completion and Workover Report

Proposed Work: PLUG TO ABANDON AFE# A0923

PC: Land Grant

Team: Overthrust

Lse: Jones 5-1

Field: Pineview

Rig: Dunbar

Supervisor: Talbot / Smith

Casing & Liner

OD	WT	Grade	Remarks
13 3/8'	48		0'-1009'
7"	26		0'- 10516'
5 1/2"	23	P-110	0'- 10145'

Packer Detail: Anchor set @

Operations

From To

06:00	Warm up service
	MIRU Dowell / Schlumberger
	Pressure test lines to 3700 PSI
18:00	Establish injection rate Pump 70 sx cement sting out
	spot 5 sx on top of retainer (bottom of retainer @9498')
	TOH with 5 jts tbg Circulate tbg clean / inject packer
	fluid in CSG / TOH with 59 jts tbg
	Pump 10 sx cement set balanced plug @ 7493'
	displace with water TOH with 81 jts tbg pump 10 sx
	cement set balanced plug @ 4990' displace with H2O
	TOH with 80 jts tbg pump 10 sx cement set balanced
	plug @ 2506' displace with water TOH with 45 jts tbg
	pump 10sx cement set balanced plug @ 1052'
	TOH with 34 jts tbg ND BOP dig out around CSG

BHA

Qty	Description	Length
1	kb	24.00
0	jts. 2 7/8" N-80	0.00
0	Baker R-3 packer	0.00
Total BHA		24.00

NOTE: Well has a cement block around cellar will need to move the rig and get a jackhammer to remove will need to set surface plugs at that time

Costs

Qty	Description	Cost
	Rig	\$2,650
	Rentals	\$195
	Schlumberger / Dowell	\$8,659
	Halliburton - <i>CICR</i>	\$1,150
	Dalbo - <i>Water Insuling</i>	\$1,550
	Labor	\$675
	Trucking	\$0
	Supervisor	\$300
	Contingency 5%	\$758
	Total Daily Cost	\$15,937
	Cumulative Cost to Date	\$31,594

Dowell

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER

2-09-2397

DATE

1/22/97

JS-492-A PRINTED IN U.S.A.

WELL NAME AND NO.

UPRR-15-1

LOCATION (LEGAL)

SEC 5-T2N-R7E

RIG NAME:

OKINGER

FIELD-POOL

FORMATION

WELL DATA:

BIT SIZE	CSG/Liner Size	BOTTOM	TOP
TOTAL DEPTH	WEIGHT		
<input type="checkbox"/> ROT <input type="checkbox"/> CABLE	FOOTAGE		
MUD TYPE	GRADE		
<input type="checkbox"/> BHST <input type="checkbox"/> BHCT	THREAD		
MUD DENSITY	LESS FOOTAGE SHOE JOINTS		
MUD VISC.	Disp. Capacity		

COUNTY/PARISH

Summit

STATE

UTAH

API NO.

NAME

V.P.R.

NO.

ADDRESS

ZIP CODE

SPECIAL INSTRUCTIONS

P9A

705X BELOW RETAINER @ 9493 53X ON TOP.

105X @ 7493

105X @ 4990

105X @ 2506

105X @ 1052

CASING/TUBING SECURED?

YES

NO

BACKS + SAFETY CABLE

IFT PRESSURE

9000+

PSI

CASING WEIGHT - SURFACE AREA

(3.14 x R²)

RESSURE LIMIT

3500+

PSI

BUMP PLUG TO

NI

PSI

ROTATE

RPM

RECIPROCATATE

FT

No. of Centralizers

NOTE: Include Footage From Ground Level To Head in Disp. Capacity

Float	TYPE		Stage Tool	TYPE	
	DEPTH			DEPTH	
SHOE	TYPE			TYPE	
	DEPTH			DEPTH	

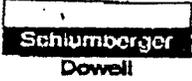
Head & Plugs	<input checked="" type="checkbox"/> T&G	<input type="checkbox"/> D.P.	SQUEEZE JOB	
<input type="checkbox"/> Double	SIZE	2 7/8	TOOL TYPE	RETAINER HAWK
<input type="checkbox"/> Single	<input type="checkbox"/> WEIGHT	6.5	DEPTH	9493
<input checked="" type="checkbox"/> Swage	<input type="checkbox"/> GRADE	N-80	TAIL PIPE: SIZE	
<input type="checkbox"/> Knockoff	<input type="checkbox"/> THREAD	FDG	DEPTH	
TOP OR OW	<input type="checkbox"/> NEW	<input checked="" type="checkbox"/> USED	TUBING VOLUME	59
BOT OR OW	DEPTH	9492	CASING VOL. BELOW TOOL	10
			TOTAL	65
			ANNUAL VOLUME	125

TIME	PRESSURE	VOLUME PUMPED bbl	JOB SCHEDULED FOR TIME: 0700 DATE: 1/22	ARRIVE ON LOCATION TIME: 0645 DATE: 1/22	LEFT LOCATION TIME: DATE: 1/22
0001 to 2400	T&G OR D.P. CASING	INCREMENT CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY

TIME	T&G OR D.P.	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
0830								PRE-JOB SAFETY MEETING SAFETY MEETING 0845
0855								TEST LINES OK 3750+
0857	0	0	6	-	2-1/2	FW	8.34	START NI TEST
0900	2050	1	-	6				SHUT DOWN 1 1/2 BPM 2050
0905	1400	1	15	-	1 1/2-2	CMT	15.8	START CMT
0915	1300	1	42	21	2 1/2	FW	8.34	START DISP
0921	3050	1	8	62	1 1/2	"	"	CMT BELOW RETAINER (SLOW RATE) #1
0935	2450	1	-	70				SHUT DOWN ST. IN CMT
0950	0	0	5	-	3	INH.O.	8.4	PUMP INHIBITOR DOWN BACKSIDE
0952	Flow	1050	85	5	3 1/2	"	"	CIRC
1016	0	0	-	90				SHUT DOWN MULTITUBING
1117	0	0	5	-	3	FW	8.34	START FW
1122	100	Flow	3	5	1	CMT	15.8	START CMT
1125	900	Flow	42	8	4-2	FW	8.34	START DISP #2
1135	0	0	-	30				SHUT DOWN P.I.L. TUBING
1237	0	0	5	-	1	FW	8.34	START FW
1242	100	Flow	3	5	1	CMT	15.8	START CMT #3
1245	0.25	Flow	28	8	4	FW	8.34	START DISP
1252	0	0	-	36				SHUT DOWN P.I.L. TUBING

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS		SLURRY MIXED	
					BBLs	DENSITY
1.	75	1.15	6"	+ 0.1% D-65 + 0.2% D-800	15	15.8
2.	18	1.15	6"	+ 0.1% D-65 + 0.2% B-71	3	15.8
3.	15	1.15	6"	+ 0.1% D-65 + 0.2% B-71	3	15.8
4.	15	1.15	6"	+ 0.1% D-65	3	15.8
5.	15	1.15	6"	+ 0.1% D-65	3	15.8

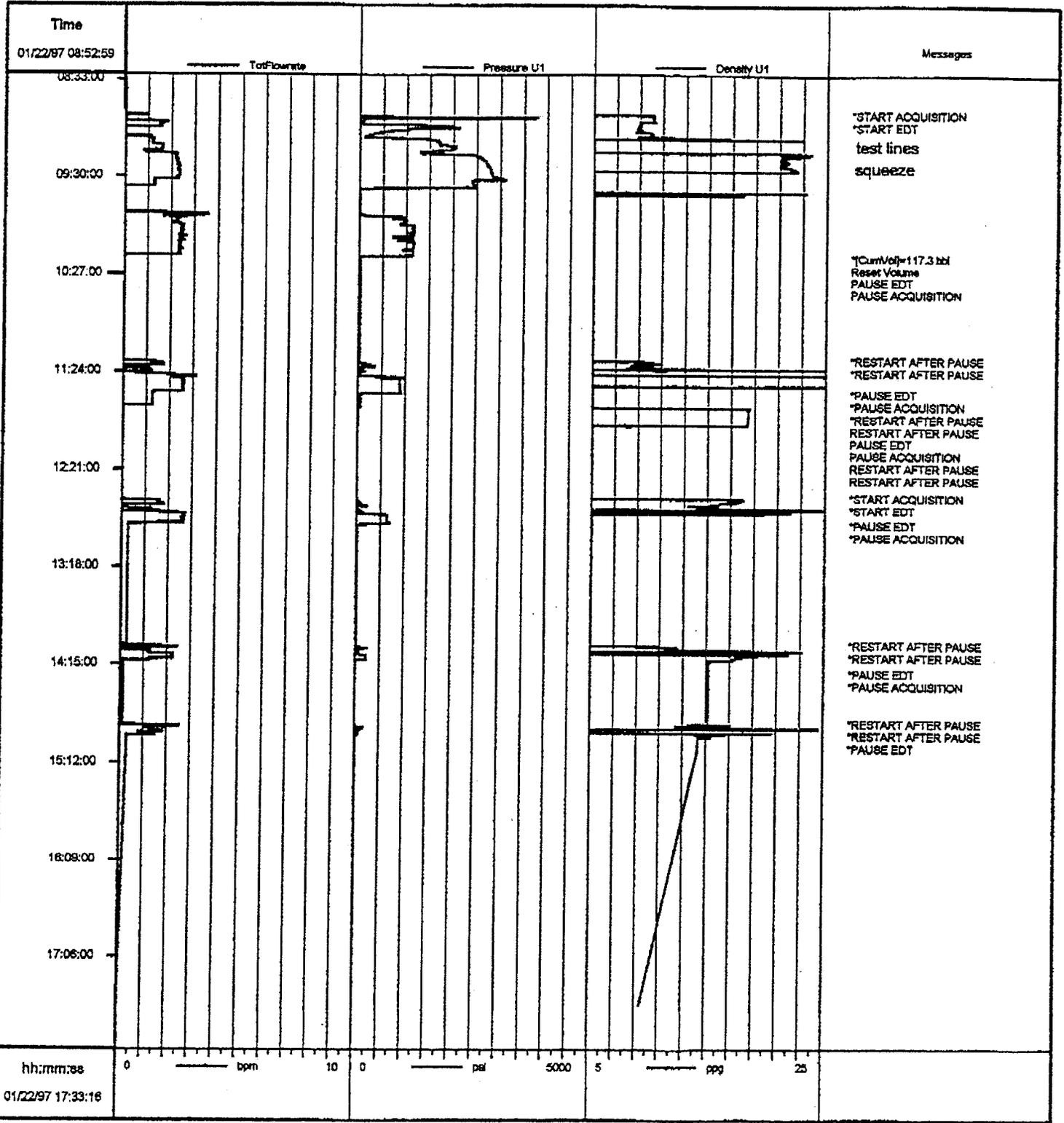
BREAKDOWN FLUID TYPE	VOLUME	DENSITY	PRESSURE	MAX. 3050	MIN: 0
HESITATION SQ. 11	<input type="checkbox"/> RUNNING SQ.	CIRCULATION LOST	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	Cement Circulated To Surf.	<input type="checkbox"/> YES <input type="checkbox"/> NO
BREAKDOWN 1/8" FINAL	PSI	DISPLACEMENT VOL. 54-48-28-13-5	Bbls	TYPE OF WELL	<input type="checkbox"/> OIL GAS <input type="checkbox"/> STORAGE <input type="checkbox"/> INJECTION <input type="checkbox"/> BRINE WATER <input type="checkbox"/> WILDCAT
Finished Thru Parts <input type="checkbox"/> YES <input type="checkbox"/> NO	TO	FT.	MEASURED DISPLACEMENT	<input type="checkbox"/> WIRELINE	
REMARKS 1A	TO	TO	CUSTOMER REPRESENTATIVE	DS	SUPERVISOR
			Mark Smith		



Cementing Job Report

PRISM V2.2

Well	UPRR # 5-1	Client	U.P.R.
Field	SEC5-T2N-R7E	SIR No.	15-09-2397
Country	P & A	Job Date	1/22/97 8:52:59 AM



Job: 142397
01/22/1997 17:54

* Mark of Schlumberger

ATTN: Mr. Mark Matthews

Union Pacific Resources Day # 5 22-Jan-97

Daily Completion and Workover Report

Proposed Work: PLUG TO ABANDON AFE# A0923

PC: Land Grant

Team: Overthrust

Lse: Jones 5-1

Field: Pineview

Rig: Dunbar

Supervisor: Talbott / Smith

Casing & Liner

OD	WT	Grade	Remarks
13 3/8"	48		0'-1009'
7"	26		0'-10516'
5 1/2"	23	P-110	0'-10145'

Packer Detail: Anchor set @

Operations

From To

06:00		Warm up service
		MIRU Dowell / Schlumberger
		Pressure test lines to 3700 PSI
18:00		Establish injection rate Pump 70 sx cement sting out spot 5 sx on top of retainer (bottom of retainer @9498')
		TOH with 5 jts tbg Circulate tbg clean / inject packer fluid in CSG / TOH with 59 jts tbg
		Pump 10 sx cement set balanced plug @ 7493'
		displace with water TOH with 81 jts tbg pump 10 sx cement set balanced plug @ 4990' displace with H2O
		TOH with 80 jts tbg pump 10 sx cement set balanced plug @ 2506' displace with water TOH with 45 jts tbg pump 10sx cement set balanced plug @ 1052'
		TOH with 34 jts tbg ND BOP dig out around CSG

NOTE: Well has a cement block around cellar will need to move the rig and get a jackhammer to remove will need to set surface plugs at that time

BHA

Qty	Description	Length
1	Kb	24.00
0	jts. 2 7/8" N-80	0.00
0	Baker R-3 packer	0.00
Total BHA		24.00

Costs

Qty	Description	Cost
	Rig	\$2,650
	Rentals	\$195
	Schlumberger / Dowell	\$8,659
	Halliburton	\$1,150
	Dalbo	\$1,550
	Labor	\$675
	Trucking	\$0
	Supervisor	\$300
	Contingency 5%	\$758
	Total Daily Cost	\$15,937
	Cumulative Cost to Date	\$31,594

CEMENTING SERVICE REPORT

Schlumberger

Dowell

DOWELL SCHLUMBERGER INCORPORATED

CEMENT NUMBER -01-2397	DATE 1/22/97
STRIKE Rock Springs WY	DS DISTRICT

DS-496-A PRINTED IN U.S.A.

WELL NAME AND NO. UPRR-#5-1	LOCATION (LEGAL) SEC 5-T2N-R7E	RIG NAME DUNBAR
FIELD-POOL	FORMATION	WELL DATA: BOTTOM TOP
COUNTY/PARISH Summit	STATE UTAH	API. NO.
NAME U.P.R.	WELL DATA: BIT SIZE CSG/Liner Size	
AND	TOTAL DEPTH WEIGHT	
ADDRESS	MUD TYPE GRADE	
ZIP CODE	MUD DENSITY LESS FOOTAGE SHO JOINT(S)	
	MUD VISC. Disp. Capacity	
	NOTE: Include Footage from Ground Level To Head in Disp. Capacity	
	Float	Squeeze Tool
	DEPTH	DEPTH
	TYPE	TYPE
	DEPTH	DEPTH

SPECIAL INSTRUCTIONS P9A

705x 8" RETAINER @ 9493 5' ON TOP.

105x @ 7493

105x @ 4290

105x @ 2506

105x @ 1052

IS CASING/TUBING SECURED? YES NO *Check safety cable*

LIFT PRESSURE 9000+ PSI CASING WEIGHT + SURFACE AREA (8.14 x R²)

PRESSURE LIMIT 3500+ PSI BUMP PLUG TO *N/A* PSI

ROTATE - RPM RECIPROCATE FT No. of Centralizers

Head & Plugs	<input checked="" type="checkbox"/> TBG <input type="checkbox"/> D.P.	SQUEEZE JOB	
<input type="checkbox"/> Double	SIZE 2 7/8	TOE	TYPE Retainer Howco
<input type="checkbox"/> Single	WEIGHT 6.5	DEPTH	9493
<input checked="" type="checkbox"/> Swags	GRADE N-80	TAIL PIPE: SIZE	DEPTH -
<input type="checkbox"/> Knockoff	THREAD EUG	TUBING VOLUME	55 Bbls
TOP OR OW	<input checked="" type="checkbox"/> NEW <input checked="" type="checkbox"/> USED	CASING VOL. BELOW TOOL	10 Bbls
BOT OR OW	DEPTH 9492	TOTAL	65 Bbls
		ANNUAL VOLUME	125+ Bbls

TIME	PRESSURE		VOLUME PUMPED bbl		JOB SCHEDULED FOR TIME: 0700 DATE: 1/22			ARRIVE ON LOCATION TIME: 0645 DATE: 1/22		LEFT LOCATION TIME: DATE: 1/22	
	TBG OR D.P.	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL			
0830								PRE-JOB SAFETY MEETING SAFETY MEETING 0845			
0855								TEST LINES OK 3750'			
0857	0	0	6	-	2-1/2	FW	8.34	START INJ TEST			
0900	2050			6				SHUT DOWN 1 1/2 BPM 2050'			
0905	1900		15	-	1 1/2	CMT	15.8	START CMT			
0915	1300		5	21	2 1/2	FW	8.34	START DISO #1			
0921	3050		8	62	1 1/2	"	"	CMT BELOW RETAINER (SLOW RATE)			
0935	2450			70				SHUT DOWN STING OUT			
0950	0	0	5	-	3	INJ.	8.4	PUMP INHIBITOR DOWN BACKSIDE			
0952	Flow	1050	85	5	3 1/2	"	"	CIRC			
1016	0	0		90				SHUT DOWN PULL TUBING			
1117	0	0	5	-	3	FW	8.34	START FW			
1122	100	Flow	3	5	1	CMT	15.8	START CMT #2			
1125	800	Flow	7	8	4-2	FW	8.34	START DISO			
1135	0	0		50				SHUT DOWN PULL TUBING			
1237	0	0	5	-	1	FW	8.34	START FW #3			
1242	100	Flow	3	5	1	CMT	15.8	START CMT			

REMARKS 10:15 0.5" Flow 28 8 4 FW 8.34 START DISO

12:52 0 0 - 36 - - - SHUT DOWN PULL TUBING

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
							BBLs	DENSITY
1.	75	1.15	6" + 0.1% D-65 + 0.2% D-800				15	15.8
2.	18	1.15	6" + 0.1% D-65 + 0.2% B-71				3	15.8
3.	15	1.15	6" + 0.1% D-65 + 0.2% B-71				3	15.8
4.	15	1.15	6" + 0.1% D-65				3	15.8
5.	15	1.15	6" + 0.1% D-65				3	15.8
6.								

BREAKDOWN FLUID TYPE	VOLUME	DENSITY	PRESSURE MAX. 3050 MIN: 0
<input type="checkbox"/> HESITATION SQ.	<input type="checkbox"/> RUNNING SQ.	<input type="checkbox"/> CIRCULATION LOST	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
BREAKDOWN	PSI FINAL	PSI	DISPLACEMENT VOL. 54-42-28-13-5 Bbls
Washed Thru Parts <input type="checkbox"/> YES <input type="checkbox"/> NO	TO	FT.	MEASURED DISPLACEMENT <input checked="" type="checkbox"/> WIRELINE
PERFORATIONS	TO	TO	CUSTOMER REPRESENTATIVE
			PAUL Smith
			DS SUPERVISOR
			Roy A. Viteh

PLUGGING AND ABANDONMENT OF UPRR 5-1
SECTION 5, TOWNSHIP 2 NORTH, RANGE 7 EAST
SUMMIT COUNTY, UTAH

API # 43-043-30004

F Matthews

- 1/21/97 GIH w/HOWCO CICR on 2 7/8" tubing and set retainer @ 9493'.
- 1/22/97 RU Dowell Schlumberger and pumped into prefs @ 1.5 BPM @ 2050 psi. Pumped 70 sxs. Cl "G" cement plus additives below the retainer and dumped 5 sxs. of cement on top of the retainer. POH with 64 jts. of tubing to 7493'. Pump 15 sx. plug balanced cement plug and flushed with 42 bbls. (139' plug 7493 7354') Cont. POH with 81 jts tubg. to 4990'. Pumped 15 sx. balanced cement plug and flushed with 27.6 bbls. 139' plug from 4990' to 4851'. Cont. out of hole with 80 jts of 2 7/8" tbg. to 2506'. Pump 15 sx. balanced cement plug and flushed with 13.2 bbls. 139' plug 2506' - 2367'. Cont POH with 45 jts of tubg. to 1052'. Pump 15 sx balanced cement plug and flush with 4.8 bbls. 139' plug 1052' to 913'. Attempted to dig out cellar and ran into concrete, will have to jack hammer out before cutting off and setting top plug.
- 1/30/97 UPRC with the help of a back-hoe rigged up and ran 4 joints of 1" pipe into the 5 1/2" casing stub and Dowell/Schlumberger pumped a 100' plug of Class "G" cement. They pulled the pipe out and ran it down the annulus and filled the annulus with a 100' cement plug. See pictures. The well is to be plated per the land owners instruction, so he can go back to farming the field. UPRC will send pictures of the plating before covering the casing stub up.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
RECORD OF ABANDONMENT OPERATIONS

COMPANY NAME: Union Pacific Resources
WELL NAME: UPRR 5-1
QTR/QTR: _____ SECTION: 5 TOWNSHIP: 2N RANGE: 7E
COUNTY: Summit API NO: 43-043-30004
INSPECTOR: Frank Mathew TIME: 07:30 DATE: 1-22-97

SURFACE CASING SHOE DEPTH _____ CASING PULLED YES _____ NO
CASING PULLED: SIZE _____ CUT DEPTH _____ FT/CSG RECOVERED _____
CASING TESTED YES _____ NO _____ TESTED TO: _____ PSI TIME: _____ MIN:

CEMENTING COMPANY: Dowell/Schlumberger
CEMENTING OPERATIONS: P&A WELL:

PLUG 1. SET: FROM 7493 FT. TO 7354 FT. TAGGED YES _____ NO
SLURRY: Cl"G" + 0.1% D65 + 0.2% B-71
PLUG 2. SET FROM 4990 FT. TO 4851 FT. TAGGED YES _____ NO
SLURRY: Cl"G" + 0.1% D65 + 0.2% B-71
PLUG 3. SET FROM 2506 FT. TO 2367 FT. TAGGED YES _____ NO
SLURRY: Cl"G" + 0.1% D-65
PLUG 4. SET FROM 1052 FT. TO 913 FT. TAGGED YES _____ NO
SLURRY: Cl"G"

SURFACE PLUG: FROM 100 FT. TO 0 FT.
ALL ANNULUS CEMENTED TO SURFACE: YES NO _____

PLUGGING FLUID TYPE: plg fluid w/oxygen scavenger + corrosion inhibitor

PERFORATIONS: FROM _____ FT. TO _____ FT.
FROM _____ FT. TO _____ FT.
1 ~~SET~~ CICR SET: 9493' Helled set on top. 70 sks Cl"G" + 0.1% D65
2 ~~SET~~ + 0.2% D800 below returner 5sk on top of returner

ABANDONMENT MARKER: PLATE: PIPE: _____ CORRECT INFORMATION: _____

COMMENTS: Jack hammered out cement around log in cellar
cut off casing + 1" 5 1/2 + 7" annulus w/ Cl"G" cement.
Well P + A. Will cap casing + rehab location