

UTAH DIVISION OF OIL AND GAS CONSERVATION

REMARKS: WELL LOG  ELECTRIC LOGS   WATER SANDS  LOCATION INSPECTED  SUB. REPORT/abd.

*Re-completed Well in different Producing Formation  
Operator name change 4.1.83*

DATE FILED 1-6-78

LAND  FEE & PATENTED  STATE LEASE NO. PUBLIC LEASE NO. INDIAN

DRILLING APPROVED: 1-4-78

SPOUDED IN: 2-1-78 \* 7-11-83

COMPLETED: 6-7-78 PUT TO PRODUCING: 6-7-78 \* 9-21-83 **FA S1**

INITIAL PRODUCTION: 607 BOPD; 438 MCF/D

GRAVITY A.P.I. 46.4

722/1

PRODUCING ZONES: 9813'-9888', 9787'-9797' Twin Creek \* (6196-6210 STUMP)

DEPTH: 10,580'

ELEVATION: 6650' GR \* (6230)

DATE ABANDONED:

FIELD: PINEVIEW

UNIT:

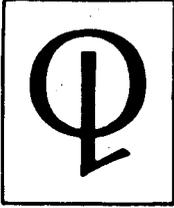
COUNTY: SUMMIT

WELL NO. CLARK 4-1 APT. NO. 43-043-30071

LOCATION 660' FT. FROM (N) (S) LINE, 1980' FT. FROM (E) (W) LINE. SE SW <sup>14</sup>/<sub>4</sub> - <sup>14</sup>/<sub>4</sub> SEC. 4

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
				2N	7E	4	Union Pacific <del>CLARK 4-1 CO.</del>

QUATERNARY	Star Point	Chinle	Molas
Alluvium	Wahweap	Shinarump	Manning Canyon
Lake beds	Masuk	Moenkopi	Mississippian
Pleistocene	Colorado	Sinbad	Humbug
Lake beds	Sego	PERMIAN	Brazer
TERTIARY	Buck Tongue	Kaibab	Pilot Shale
Pliocene	Castlegate	Coconino	Madison
Salt Lake	Mancos	Cutler	Leadville
Oligocene	Upper	Hoskinnini	Redwall
Norwood	Middle	DeChelly	DEVONIAN
Eocene	Lower	White Rim	Upper
Duchesne River	Emery	Organ Rock	Middle
Uinta	Blue Gate	Cedar Mesa	Lower
Bridger	Ferron	Halgait Tongue	Ouray
Green River	Frontier	Phosphoria	Elbert
Kelvin- 2930'	Dakota	Park City	McCracken
Stump- 6330'	Burro Canyon	Rico (Goodridge)	Aneth
Preuss- 6782'	Cedar Mountain	Supai	Simonson Dolomite
Twin Creek- 9015'	Buckhorn	Wolfcamp	Sevy Dolomite
Nugget- 10,366'	JURASSIC	CARBONIFEROUS	North Point
Wasatch	Morrison	Pennsylvanian	SILURIAN
Stone Cabin	Salt Wash	Oquirrh	Laketown Dolomite
Colton	San Rafael	Weber	ORDOVICIAN
Flagstaff	Summerville	Morgan	Eureka Quartzite
North Horn	Bluff Sandstone	Hermosa	Pogonip Limestone
Almy	Curtis		CAMBRIAN
Paléocene	Entrada	Paradox	Lynch
Current Creek	Moab Tongue	Ismay	Bowman
North Horn	Carmel	Desert Creek	Tapeats
CRETACEOUS	Glen Canyon Gr.	Akah	Ophir
Montana	Navajo	Barker Creek	Tintic
Mesaverde	Kayenta		PRE-CAMBRIAN
Price River	Wingate	Cane Creek	
Blackhawk	TRIASSIC		



# AMERICAN QUASAR PETROLEUM CO. OF NEW MEXICO

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

December 29, 1977

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

Attn: Cleon B. Feight, Director

Gentlemen:

Subject: Application to Drill Clark #4-1, Summit Co., Utah

Enclosed is American Quasar's application to drill the captioned well. Also enclosed is a copy of the plat for this well. It is a very poor copy, and we will try to obtain a better one for your files.

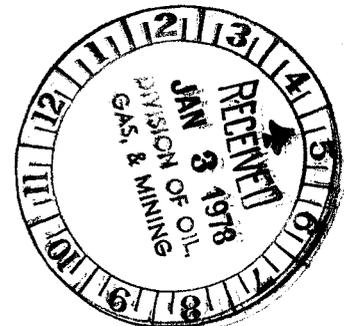
This well is scheduled for spudding in late January, so we would appreciate your prompt consideration of our application.

Very truly yours,

R. F. Reiner  
Division Production Superintendent

RFR:ld

Enc.



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

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

DRILL

DEEPEN

PLUG BACK

7. Unit Agreement Name

b. Type of Well

Oil Well

Gas Well

Other

Single Zone

Multiple Zone

8. Farm or Lease Name

Clark

9. Well No.

4-1

10. Field and Pool, or Wildcat

Pineview

11. Sec., T., R., M., or Blk. and Survey or Area

Sec. 4-2N-7E

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

660' FSL & 1980' FWL, (SE SW)

At proposed prod. zone

Same

12. County or Parrish 13. State

Summit

Utah

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

Approx 15 miles east of Colaville, Utah

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

660'

16. No. of acres in lease

640

17. No. of acres assigned to this well

160

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

19. Proposed depth

10,500'

20. Rotary or cable tools

Rotary

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

Approx 6650' GR

22. Approx. date work will start\*

1-25-78

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
17 1/2"	13 3/8"	48#	60'	60 sx
12 1/4"	9 5/8"	36#	2,000'	800 sx
8 3/4"	7"	23, 26 & 29#	10,500'	400 sx

Proposed operations:

Drill 12 1/4" hole to 2,000'+ using native mud.

Run and cement 9 5/8" surface casing.

Nipple up 10" 5000 psi wp double gate hydraulic BOP & Hydril. Pressure test stack.

Drill 8 3/4" hole to total depth with low solids non-disp.

Run BHC sonic-GR-Cal, DIL, CNL-FDC logs.

Run production casing if required.

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 RT Newer Title Division Production Superintendent Date 12-29-77

(This space for Federal or State office use)

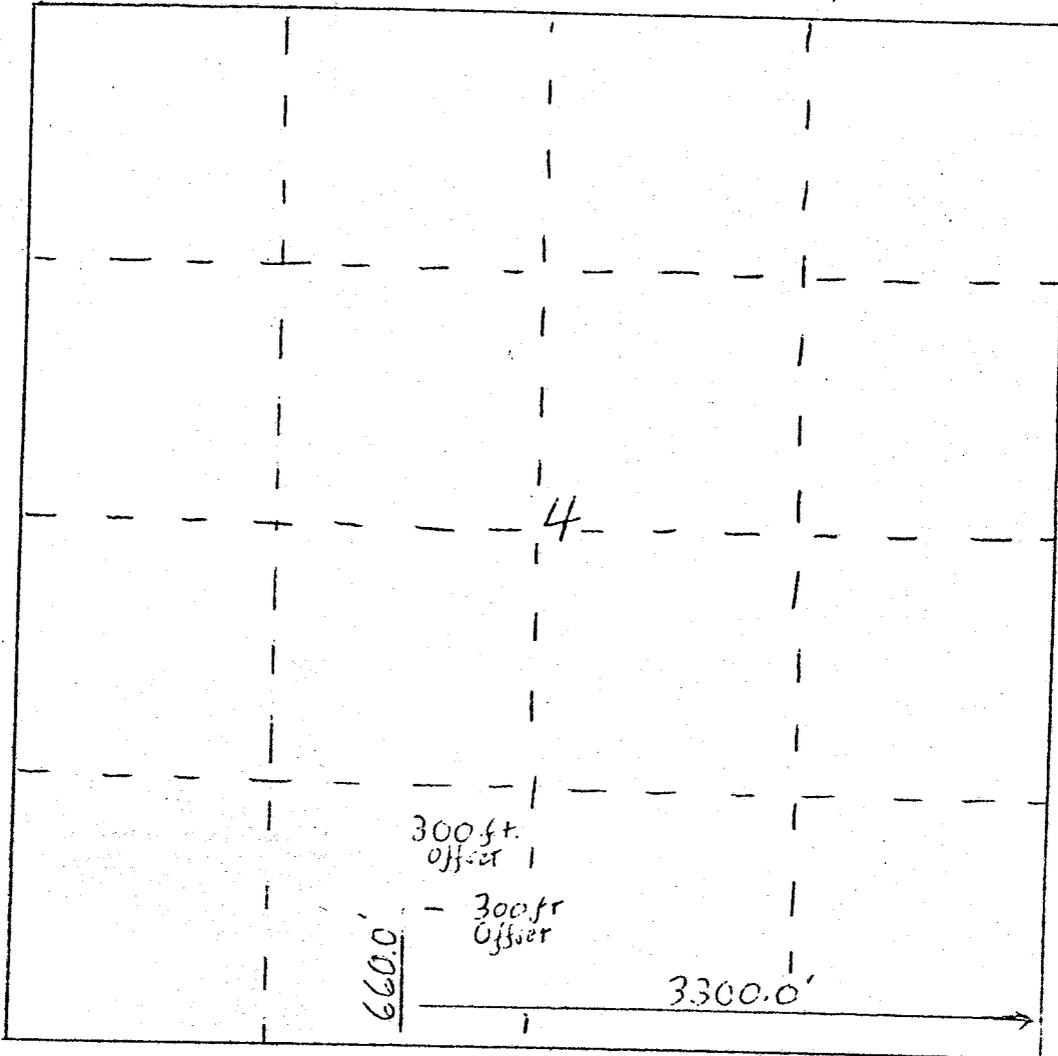
Permit No. .... Approval Date .....

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

Conditions of approval, if any:

6650  
3850  
01-28

T2N R7E



Summit Engineering, Inc. located the center of the Southeast Quarter of the Southwest Quarter of Section 4, T.2N,R.7E, SLB&M, for the purpose of an oil well. The location of said point is as shown above.

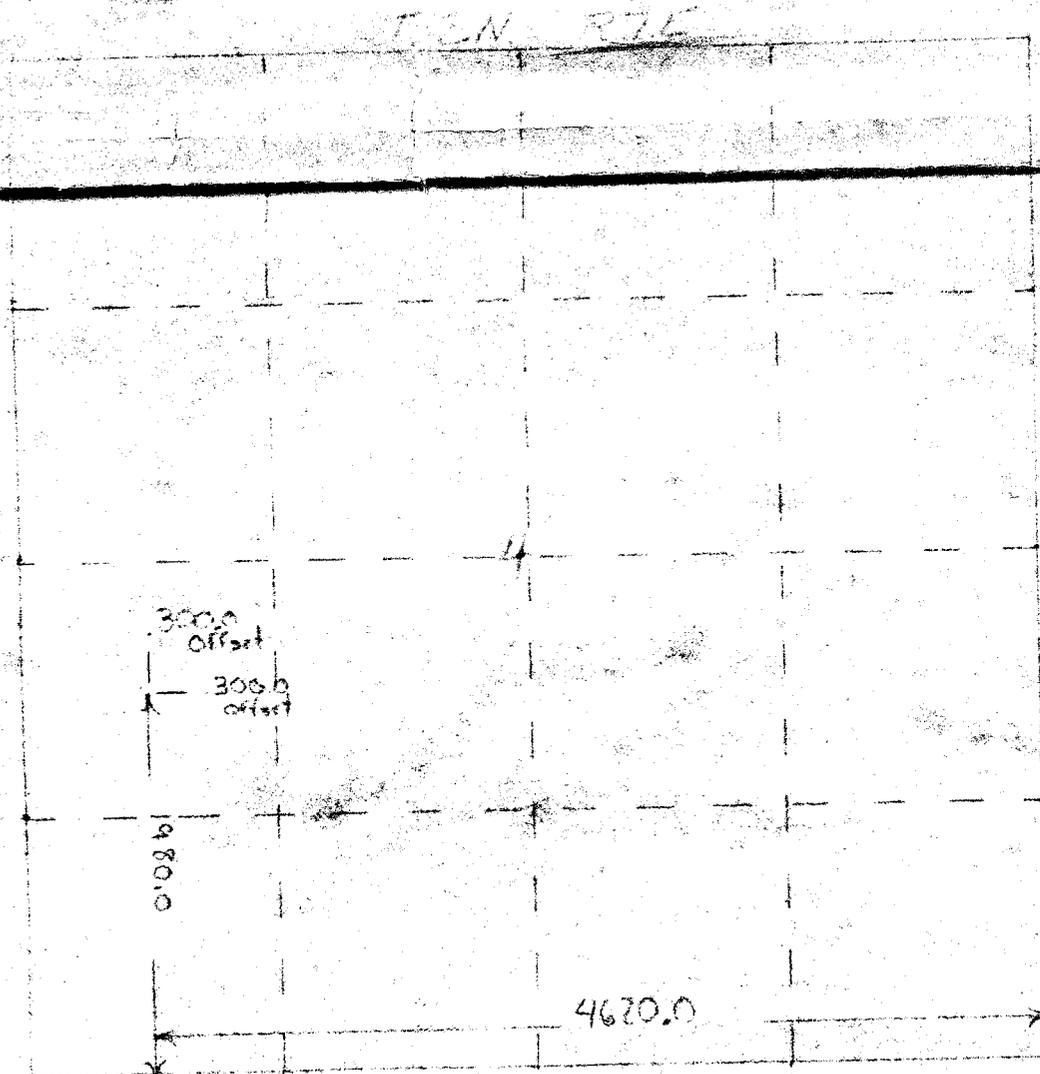
Date: 10/15/77

Clark  
4-1

No. 3491  
D.J. Silver

Amur. Quasar  
Sec. 4 2N 7E  
Summit County

POOR COPY



SUMMIT ENGINEERING INC. located the center of the Northwest quarter of the Southwest quarter of Section 4 T.2.N. R.7.E. S1B&M. for the purpose of locating an oil well. The of said point is as shown above.

DATE: 10-13-77

No. 3491  
D.J. Silver

POOR COPY

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

\*\* FILE NOTATIONS \*\*

Date: Jan. 4-  
Operator: American Gas  
Well No: Clark 4-1  
Location: Sec. 4 T. 2N R. 7E County: Summit

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

API NUMBER: 43-043-30071

CHECKED BY:

Administrative Assistant [Signature]  
Remarks:  
Petroleum Engineer [Signature]  
Remarks:  
Director \_\_\_\_\_  
Remarks:

INCLUDE WITHIN APPROVAL LETTER:

Bond Required:  [Signature] Survey Plat Required:   
Order No. 160-6  Surface Casing Change   
to \_\_\_\_\_

Rule C-3(c), Topographic exception/company owns or controls acreage  
within a 660' radius of proposed site

O.K. Rule C-3  O.K. In \_\_\_\_\_ Unit

Other:

Letter Written/Approved

January 4, 1978

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

*23 6 26 W Pipe*

Re: Well No. Clark #4-1  
Sec. 4, T. 2 N, R. 7 E,  
Summit County, Utah

Gentlemen:

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

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

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

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

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

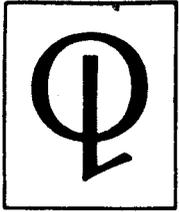
The API number assigned to this well is 43-043-30071.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT  
Director

cc: file



AMERICAN QUASAR PETROLEUM CO.  
OF NEW MEXICO

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

January 16, 1978



*File*

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

Attn: Cleon B. Feight, Director

Gentlemen:

*Dr. G.*  
Subject: Clark #4-1 & Clark #4-2, Summit Co., Utah

As promised, attached are copies of plats for the captioned wells. Please substitute these copies for the ones mailed to you with the applications to drill so that you will have readable ones in your files.

Very truly yours,

*Linda Donnelly*

Linda Donnelly  
Division Operations Secretary

/ld

Attachments-2

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

1588 WEST NORTH TEMPLE  
 SALT LAKE CITY, UTAH 84115  
 328-5771

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

REPORT OF OPERATIONS AND WELL STATUS REPORT

STATE UTAH COUNTY Summit FIELD/LEASE Pineview

The following is a correct report of operations and production (including drilling and producing wells) for the month of:  
March, 19 78

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

Company American Quasar Petroleum Company  
 Signed [Signature]  
 Title Division Operations Manager

Sec. and % of %	Twp.	Range	Well No.	Days Produced	Barrels of Oil	Gravity	Cu. Ft. of Gas (In thousands)	Gallons of Gasoline Recovered	Barrels of Water (if none, so state)	REMARKS (If drilling, depth; if shut down, cause date and result of test for gasoline content of gas)
Clark Sec. 4 SE SW	27	7E	4-1							Drlg @ 8065'
										Gas Sold _____ Flared/Vented _____ Used on/off Lease _____

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

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

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

1588 WEST NORTH TEMPLE  
 SALT LAKE CITY, UTAH 84115  
 328-5771

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

**REPORT OF OPERATIONS AND WELL STATUS REPORT**

P

STATE UTAH COUNTY Summit FIELD/LEASE Pineview

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

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

Company American Quasar Petroleum Company  
 Signed A. H. Shirley, J. H.  
 Title Division Operations Manager

Sec. and % of %	Twp.	Range	Well No.	Days Produced	Barrels of Oil	Gravity	Cu. Ft. of Gas (In thousands)	Gallons of Gasoline Recovered	Barrels of Water (if none, so state)	REMARKS (If drilling, depth; if shut down, cause, date and result of test for gasoline content of gas)
Clark Sec. 4 SE SW	27	7E	4-1							Dr1g @ 10,021'
Gas Sold _____ Flared/Vented _____ Used on/off Lease _____										

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

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



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

CIRCULATE TO:  
DIRECTOR \_\_\_\_\_  
PETROLEUM ENGINEER \_\_\_\_\_  
MINE COORDINATOR \_\_\_\_\_  
ADMINISTRATIVE ASSISTANT \_\_\_\_\_  
ALL \_\_\_\_\_  
RETURN TO Kathy Avila FOR FILING

Mike  JWS  
Jim   
KMY

REPORT OF WATER ENCOUNTERED DURING DRILLING  
\*\*\*\*\*

Well Name and Number Clark 4-1

Operator American Quasar Petroleum Co.

Address Casper, Wyo.

Contractor Parker Drilling Co.

Address Casper, Wyo.

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

Water Sands:

1.	<u>Depth:</u>		<u>Volume:</u>	<u>Quality:</u>
	From-	To-		
1.	<u>None</u>			
2.				
3.				
4.				
5.				

(Continue on Reverse Side if Necessary)

<u>Formation Tops:</u>			
<u>Kelvin</u>	<u>2930</u>	<u>Twin Creek</u>	<u>8930</u>
<u>Stump</u>	<u>6580</u>	<u>Gypsum Springs</u>	<u>10328</u>
<u>Preuss</u>	<u>7004</u>	<u>Nugget</u>	<u>10368</u>
<u>Salt</u>	<u>8725</u>		

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

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.)

<p>1. <input type="checkbox"/> OIL WELL    <input type="checkbox"/> GAS WELL    <input type="checkbox"/> OTHER (Completion)</p> <p>2. NAME OF OPERATOR <u>American Quasar Petroleum Co.</u></p> <p>3. ADDRESS OF OPERATOR <u>204 Superior Bldg., Casper, Wyo. 82601</u></p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <u>660' FSL &amp; 1980' FWL (SE 1/4 SW 1/4)</u></p>		<p>5. LEASE DESIGNATION AND SERIAL NO. <u>Fee</u></p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME <u>P</u></p> <p>8. FARM OR LEASE NAME <u>Clark</u></p> <p>9. WELL NO. <u>4-1</u></p> <p>10. FIELD AND POOL, OR WILDCAT <u>Pineview</u></p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <u>4-2N-7E</u></p> <p>12. COUNTY OR PARISH    13. STATE <u>Summit</u>                    <u>Utah</u></p>
<p>14. PERMIT NO.</p>	<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) <u>6650' GR (approx)</u></p>	

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

NOTICE OF INTENTION TO :

SUBSEQUENT REPORT OF :

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

(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.)\*

This is a Monthly Report of Operations for period 1/11-5/22/78  
(see attached chronological report).

This well is now in completion stage.



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

SIGNED John F. Sindelar TITLE Division Dirg. Supt. DATE 6/13/78  
(This space for Federal or State office use)

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

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

1/11/78 FIRST REPORT. Staked loc. 660' FSL & 1980'  
FWL (SE $\frac{1}{4}$  SW $\frac{1}{4}$ ) of Sec. 4-2N-7E. Elev: 6650' GR (approx.).  
Drlg. contractor: Parker Drlg. - Rlg #56.  
Now bldg. loc.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

1/12/78 Bldg. loc.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

1/13/78 Bldg. loc.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

1/14-16/78 Bldg. location.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

1/17/78 Bldg. location.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

1/18/78 Bldg. loc.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

1/19/78 Bldg. loc.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

1/20/78. Bldg. location.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

1/21-23/78 Bldg. loc.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

1/24/78 Bldg. loc. & road. Set 75' 13-3/8" 48# H-40  
ST&C conductor. Will cmt. today.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

1/25/78 Bldg. loc. & road. Cemented conductor w/7 yds.  
Ready-Mix.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

1/26/78 Bldg. road & loc.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

1/27/78 Bldg. road & loc. & MIRT (Parker Rig #56).

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

1/28/78 MIRT.  
1/29-30/78 RURT. Working on loc.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

1/31/78 RURT & installing new fluid ends on pumps.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

2/1/78 RURT.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

2/2/78 Day #1 - Drlg. in sh & rocks @ 210'.  
Drl'd. 119' in 6-3/4 hrs. MW 8.9; vis 39; WL 19.0;  
pH 8.5. Survey: 1/4° @ 188'. Ran bit #1 (12 1/4" Smith  
DTJ - SN 682MH) @ 91'. Bit has drld. 119' in 6-3/4 hrs.  
Spudded well @ 11 PM 2/1/78. Drlg. wt 15,000#; RPM 90.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

2/3/78 2 days - TD 651'. Repairing rig.  
Drl'd. 424' in 13 hrs. MW 9.0; vis 36; WL 18.0; pH 8.5.  
Surveys: 1° @ 267'; 1 1/2° @ 506'. Bit #1 has drld. 560'  
in 19-3/4 hrs. Elevation: 6619' GR; 6635.50' KB.  
Now repairing compound oiler pump.  
Total cost to date:

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

2/4/78 3 days - Drlg. in gravel, sd & sh @ 695'.  
Drl'd. 44' in 18 1/2 hrs. MW 8.9; vis 45; WL 18.0; pH 8.5.  
Survey: 1-3/4° @ 597'. Pulled bit #1 @ 651'. Bit drld.  
560' in 19-3/4 hrs. Dull grade 6-3-I. Ran bit #2  
(12 1/4" Hughes OSC3J - SN FD483). Bit has drld. 44' in 18 1/2 hrs. Drlg. wt  
10,000#; RPM 120.

2/5 4 days - Tripping in w/bit #4 @ 854'. Drl'd. 159'  
in 18 hrs. MW 9.4; vis 43; WL 9.0; pH 8.5. Survey: 2° @ 784'. Pulled bit #2  
@ 699'. Bit drld. 48' in 19 1/4 hrs. Dull grade 5-3-1/8". Ran bit #3 (12 1/4" Smith DGJ-  
SN 276MR). Pulled bit #3 @ 854'. Bit drld. 155' in 17 1/4 hrs. Dull grade 8-8-3/4".  
Now running bit #4 (12 1/4" Smith F2 - SN 884MK) @ 854'.

2/6 5 days - Drlg. in sd & gravel @ 1040'. Drl'd. 186'  
in 17-3/4 hrs. MW 9.4; vis 34; WL 20.0; pH 9.2. Survey: 1-3/4° @ 968'.  
Finished running bit #4 @ 854'. Bit has drld. 186' in 17-3/4 hrs. Drlg. wt  
20,000#; RPM 120.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

2/7/78 6 days - Drlg. in sd, sh & gravel @ 1260'.  
Drl'd. 220' in 22 1/4 hrs. MW 9.7; vis 55; WL 18.0; pH 9.4.  
Surveys: 1° @ 1069' & 1185'. Bit #4 has drld. 406' in  
39 hrs. Drlg. wt 20,000#; RPM 120.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

2/8/78 7 days - Tripping out & SLM @ 1500', prep to running csg. Drld. 240' of conglomerate in 23 hrs. MW 9.9; vis 48; WL 4.2; pH 9.1. Survey: 1¼° @ 1435'. Pulled bit #4 @ 1500'. Bit drld. 664' in 62 hrs. Now tripping out, prep to run 9-5/8" csg.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

2/9/78 8 days - TD 1528' (28' correction due to SLM). WOC & installing csg. head. Finished POH w/bit #4. Dull grade 3-3-I. Ran 9-5/8" csg. as follows:  
30 jts 36# K-55 ST&C 1250.1'  
6 jts 40# K-55 LT&C 255.5'  
Collar & shoe 5.0'  
Total of: 1510.6'  
Landed at: 1508' KB

Cemented w/700 sx Howco Lite, 10# gilsonite, 2% CaCl & ¼#/sk Flocele followed by 320 sx Class G, 2% CaCl & ¼#/sk Flocele. Had good returns thruout job. Cmt. circulated. Now WOC & installing csg. head.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

2/10/78 9 days - Drlg. in sd & sh @ 1538'. Drld. 10' in ½ hr. MW 8.8; vis 38; WL 15.0; pH 8.5. Finished WOC & NU csg. head. RU BOPE. Pressure-tested BOPE w/Yellow Jacket to 3000 psi; csg. & hydril to 1200 psi. PU stiff BHA. Ran bit #5 (8-3/4" Reed FP51 - SN 411837) @ 1528'. Drld. float shoe & collar. Bit has drld. 10' in ½ hr. Drlg. wt 15,000#; RPM 50.  
Total cost to date:

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

2/11/78 10 days - Drlg. in sd & sh @ 1743'. Drld. 215' in 19 hrs. MW 8.8; vis 32; WL 9.8; pH 9.6. Survey: ¼° @ 1618'. Bit #5 has drld. 225' in 20 hrs. Drlg. wt 25,000#; RPM 55.  
2/12 11 days - Drlg. in sd & sh @ 2081'. Drld. 338' in 22-3/4 hrs. MW 8.8; vis 37; WL 8.2; pH 10.1. Survey: ¼° @ 1991'. Bit #5 has drld. 553' in 42-3/4 hrs. Drlg. wt 25,000#; RPM 55.  
2/13 12 days - Drlg. in sd & sh @ 2358'. Drld. 277' in 22-3/4 hrs. MW 8.8; vis 42; WL 8.8; pH 9.9. Survey: 1° @ 2304'. Bit #5 has drld. 830' in 65½ hrs. Drlg. wt 25,000#; RPM 55.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

2/14/78 13 days - Drlg. in sd & sh @ 2580'. Drld. 222' in 22½ hrs. MW 8.9; vis 38; WL 8.0; pH 10.6. Surveys: ½° @ 2396'; 1° @ 2489'. Bit #5 has drld. 1052' in 88 hrs. Drlg. wt 25,000#; RPM 55.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

2/15/78 14 days - Drlg. in sd & sh @ 2780'. Drld. 200' in 21-3/4 hrs. MW 8.9; vis 37; WL 9.8; pH 9.9. Survey: 1¼° @ 2736'. Bit #5 has drld. 1252' in 109-3/4 hrs. Drlg. wt 25,000#; RPM 70.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect  
2/16/78 15 days - Drlg. in sh & sltstn @ 2986'. Drld. 206'  
in 23½ hrs. MW 9.1; vis 37; WL 9.0; pH 10.1.  
Survey: 1½° @ 2828'. Bit #5 has drld. 1458' in 133¼ hrs.  
Drlg. wt 25,000#; RPM 55.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect  
2/17/78 16 days - TD 3004'. Drld. 18' in 1¼ hrs.  
Repairing pumps. MW 9.3; vis 46; WL 8.2; pH 9.1.  
Survey: 1° @ 3004'. Pulled bit #5 @ 3004'. Bit drld.  
1476' in 134½ hrs. Dull grade 4-2-1/8". Ran bit #6  
(8-3/4" Hughes J22 - SN ?), to base of surf. csg. Now working on #1 & #2 pump  
drives.  
Total cost to date:

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect  
2/18/78 17 days - Drlg. in gry sh & sltstn @ 3124'.  
Drld. 120' in 13 hrs. MW 9.3; vis 43; WL 10.0; pH 8.7.  
Survey: 3/4° @ 3068'. Ran bit #6 (8-3/4" Hughes J22 -  
SN JE672) @ 3004'. Bit has drld. 120' in 13 hrs.  
Drlg. wt 25,000#; RPM 75.  
2/19 18 days - Drlg. in sh & sltstn @ 3368'.  
Drld. 244' in 22-3/4 hrs. MW 9.4; vis 41; WL 10.0; pH 10.3. Survey: ½° @ 3277'.  
Bit #6 has drld. 364' in 35-3/4 hrs. Kelvin sample top: 2815'. Drlg. wt 25,000#;  
RPM 70.  
2/20 19 days - Magnafluxing DC's @ 3513'. Drld. 145'  
in 15 hrs. MW 9.3; vis 39; WL 9.8; pH 10.5. Survey: 1° @ 3460'. Bit #6 has  
drld. 509' in 50-3/4 hrs. Lost 300# pump pressure. POH looking for hole--w/o  
success. Now magnafluxing DC's looking for cracked pin.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect  
2/21/78 20 days - Drlg. in sd, sh & sltstn @ 3687'.  
Drld. 174' in 14 hrs. MW 9.1; vis 41; WL 9.2; pH 8.4.  
Survey: ¼° @ 3647'. Bit #6 has drld. 643' in 64¼ hrs.  
Drlg. wt 25,000#; RPM 60.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect  
2/22/78 21 days - Tripping out @ 3833'. Drld. 146'  
of sd, sh & sltstn in 22 hrs. MW 8.9; vis 40; WL 10.0;  
pH 9.9. Survey: 3/4° @ 3742'. Now pulling bit #6 @  
3833'. Bit drld. 829' in 79 hrs. Drlg. wt 25,000#; RPM 75.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect  
2/23/78 22 days - Drlg. in sd, sh & sltstn @ 4008'.  
Drld. 175' in 18¼ hrs. MW 9.1; vis 40; WL 9.0; pH 9.6.  
Survey: 1° @ 3904'. Finished pulling bit #6 @ 3833'.  
Dull grade 5-8-1/8". Ran bit #7 (8-3/4" Smith F2 -  
SN 230MR). Bit has drld. 175' in 18¼ hrs. Drlg. wt 25,000#; RPM 60.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect  
2/24/78 23 days - Drlg. in sd & sh @ 4191'. Drld. 183'  
in 21¼ hrs. MW 8.9; vis 42; WL 8.6; pH 10.4.  
Surveys: 3/4° @ 4036'; 1¼° @ 4089'. Bit #7 has drld.  
358' in 39½ hrs. Drlg. wt 25,000#; RPM 60.  
Total cost to date:

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

2/25/78 24 days - Drlg. in sd, sh & sltstn @ 4346'.  
Drld. 155' in 22-3/4 hrs. MW 8.7; vis 36; WL 9.8; pH 10.2.  
Survey: 2° @ 4293'. Bit #7 has drld. 513' in 62¼ hrs.  
Drlg. wt 20,000#; RPM 60.

2/26 25 days - Drlg. in sd, sh & sltstn @ 4437'.  
Drld. 91' in 16-3/4 hrs. MW 8.8; vis 98; WL 10.2; pH 9.0. Survey: 1½° @ 4336'.  
Pulled bit #7 @ 4383'. Bit drld. 550' in 68 hrs. Dull grade 6-4-1/8". Ran bit #8  
(8-3/4" Reed FP52 - SN 406537). Bit has drld. 54' in 4½ hrs. Drlg. wt 22,000#;  
RPM 60.

2/27 26 days - Drlg. in sd, sh & sltstn @ 4598'.  
Drld. 161' in 23 hrs. MW 9.0; vis 35; WL 10.0; pH 10.3. Survey: 1¼° @ 4550'.  
Bit #8 has drld. 213' in 33½ hrs. Drlg. wt 25,000#; RPM 75.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

2/28/78 27 days - Drlg. in sd, sh & sltstn @ 4729'.  
Drld. 131' in 23 hrs. MW 9.2; vis 45; WL 8.6; pH 10.1.  
Survey: 3/4° @ 4676'. Bit #8 has drld. 346' in 56½ hrs.  
Drlg. wt 25,000#; RPM 75.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

3/1/78 28 days - Drlg. in sd, sh & sltstn @ 4878'.  
Drld. 149' in 23 hrs. MW 9.1; vis 37; WL 10.0; pH 10.0.  
Survey: 1° @ 4802'. Bit #8 has drld. 495' in 79-3/4 hrs.  
Drlg. wt 20,000#; RPM 75.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

3/2/78 29 days - Drlg. in sh & sltstn @ 4961'. Drld. 83'  
in 13¼ hrs. MW 9.0; vis 45; WL 10.0; pH 9.8.  
Survey: 1¼° @ 4890'. Pulled bit #8 @ 4958'. Bit drld.  
575' in 92½ hrs. Dull grade 5-4-1. Ran bit #9 (8-3/4"  
Reed FP51 - SN 411848). Bit has drld. 3' in 1½ hr. Drlg. wt 25,000#; RPM 75.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

3/3/78 30 days - Drlg. in sd, sh & sltstn @ 5190'.  
Drld. 229' in 21-3/4 hrs. MW 9.0; vis 35; WL 10.0;  
pH 9.8. Survey: 1¼° @ 5184'. Bit #9 has drld.  
232' in 23¼ hrs. Drlg. wt 25,000#; RPM 75.

Total cost to date:

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

3/4/78 31 days - Drlg. in sd, sh & slt @ 5557'. Drld. 367'  
in 22½ hrs. MW 8.9; vis 36; WL 9.2; pH 10.0. Survey:  
2½° @ 5517'. Bit #9 has drld. 599' in 44¼ hrs.  
Drlg. wt 25,000#; RPM 75.

3/5 32 days - Drlg. in sd, sh & slt @ 5769'. Drld. 212'  
in 22½ hrs. MW 9.0; vis 38; WL 9.8; pH 9.8. Survey: 2-3/4° @ 5701'. Bit #9  
has drld. 811' in 66-3/4 hrs. Drlg. wt 15,000#; RPM 80.

3/6 33 days - Drlg. in sd, sh & slt @ 5880'. Drld. 111'  
in 15 hrs. MW 8.9; vis 42; WL 9.8; pH 9.7. Survey: 2¼° @ 5855'. Pulled bit #9  
@ 5775'. Bit drld. 817' in 69-3/4 hrs. Dull grade 8-4-1/8". Ran bit #10 (8-3/4"  
Hughes J22 - SN JE606). Bit has drld. 105' in 12½ hrs. Drlg. wt 20,000#; RPM 75.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

3/7/78 34 days - Drlg. in sd, sh & sltstn @ 6074'.  
Drld. 194' in 21¼ hrs. MW 8.8; vis 38; WL 9.6; pH 9.9.  
Survey: 2½° @ 6045'. Bit #10 has drld. 299' in 34 hrs.  
Drlg. wt 20,000#; RPM 75.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

3/8/78 35 days - Drlg. in sd, sh & sltstn @ 6269'.  
Drld. 195' in 21½ hrs. MW 8.8; vis 35; WL 10.0; pH 9.9.  
Surveys: 2-¾° @ 6106'; 3° @ 6259'. Bit #10 has drld.  
494' in 55½ hrs. Drlg. wt 16,000#; RPM 70.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

3/9/78 36 days - Drlg. in Kelvin sh @ 6402'. Drld. 133'  
in 16½ hrs. MW 8.9; vis 37; WL 10.0; pH 10.0.  
Survey: 3° @ 6367'. Pulled bit #10 @ 6270'. Bit drld.  
495' in 55-¾ hrs. Dull grade 8-4-1/16". Ran bit #11  
(8-¾" Smith F2 - SN 095NF). Bit has drld. 132' in 16 hrs. Drlg. wt 25,000#;  
RPM 65.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

3/10/78 37 days - TIH w/bit #12 @ 6489'. Drld. 87'  
of sd & sh in 17½ hrs. MW 8.9; vis 40; WL 9.7; pH 9.8.  
Survey: ¾° @ 6428'. Pulled bit #11 @ 6489' due to hole  
in drill string. Found hole in slip area 1st jt of DP  
above DC's. Bit #11 drld. 219' in 33½ hrs. Dull grade 5-4-I. Now running  
bit #12 (8-¾" Reed FP51 - SN 832835) @ 6489'.

Total cost to date:

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

3/11/78 38 days - Drlg. in sd & sh @ 6551'. Drld. 62'  
in 17½ hrs. MW 9.0; vis 37; WL 9.8; pH 9.6.  
Survey: 3° @ 6491'. Finished running bit #12 @ 6489'.  
Bit has drld. 62' in 17½ hrs. Drlg. wt 20,000#; RPM 70.  
3/12 39 days - Drlg. in Stump formation @ 6695'.  
Drld. 144' in 22¼ hrs. MW 8.9; vis 39; WL 9.8; pH 9.8. Surveys: 2½° @ 6553';  
2-¾° @ 6646'. Bit #12 has drld. 206' in 39-¾ hrs. Stump sample top: 6533'.  
Drlg. wt 22,000#; RPM 70.

3/13 40 days - Drlg. in Stump sh @ 6828'. Drld. 133'  
in 22-¾ hrs. MW 8.9; vis 36; WL 9.8; pH 9.6. Survey: 3° @ 6770'. Bit #12  
has drld. 339' in 62 hrs. Drlg. wt 22,000#; RPM 70.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

3/14/78 41 days - On bottom w/bit #13 @ 6922'.  
Drld. 94' in 14¼ hrs. MW 8.9; vis 38; WL 9.5; pH 9.8.  
Surveys: ¾° @ 6831'; 4½° @ 6895'. Pulled bit #12 @ 6922'.  
Bit drld. 432' in 76¼ hrs. Dull grade 7-7-¼". Ran  
bit #13 (8-¾" Hughes J22 - SN JE592). Now on bottom @ 6922'.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

3/15/78 42 days - Drlg. in sd & sh @ 6975'. Drld. 53'  
in 22½ hrs. MW 8.8; vis 38; WL 9.6; pH 10.4.  
Surveys: 4-¾° @ 6927'; 5° @ 6961'. Bit #13 has  
drld. 53' in 22½ hrs. Running 70' pendulum.  
Drlg. wt 6000#; RPM 75. Prep to pull bit & change pendulum.

CLARK #4-1 3/16/78 43 days - Drlg. in Stump formation @ 7000'.  
Summit Co., Utah Drld. 25' in 15 hrs. MW 8.9; vis 35; WL 9.8; pH 10.5.  
Pineview Prospect Survey: 5° @ 6978'. Pulled bit #13 @ 6978'. Bit drld.  
56' in 24-3/4 hrs. Dull grade 4-3-I. PU total of  
3 IBS's; ran as 70' pendulum. Ran bit #14 (8-3/4" Sec. S44 - SN 768306)  
@ 6978'. Bit has drld. 22' in 12-3/4 hrs. Drlg. wt 4000#; RPM 75.

CLARK #4-1 3/17/78 44 days - Drlg. in Stump formation @ 7038'.  
Summit Co., Utah Drld. 38' in 15 hrs. MW 9.0; vis 35; WL 9.6; pH 10.1.  
Pineview Prospect Surveys: 4½° @ 6993' & 7008'; 5° @ 7026'. Pulled bit #14  
@ 7008'. Bit drld. 30' in 17 hrs. Dull grade 8-8-1/8".  
Ran bit #15 (8-3/4" Hughes J33 - SN 011EG). Bit has drld. 30' in 10 hrs.  
Drlg. wt 18,000#; RPM 75.

Total cost to date:

CLARK #4-1 3/18/78 45 days - Drlg. in sh @ 7107'. Drld. 69'  
Summit Co., Utah in 22½ hrs. MW 8.7; vis 41; WL 9.2; pH 9.8.  
Pineview Prospect Survey: 5¼° @ 7059'. Bit #15 has drld. 99' in 32½ hrs.  
Drlg. wt 18,000#; RPM 99.  
3/19 46 days - Drlg. in Preuss formation @ 7181'.  
Drld. 74' in 15-3/4 hrs. MW 9.0; vis 40; WL 9.0; pH 10.0. Survey: 5½° @ 7174'.  
Bit #15 has drld. 173' in 47½ hrs. Preuss sample top: 7020'. Moved pendulum  
from 70' to 63'. Drlg. wt 28,000#; RPM 80.  
3/20 47 days - Drlg. in Preuss formation @ 7249'.  
Drld. 68' in 19 hrs. MW 8.9; vis 43; WL 8.6; pH 10.1. Survey: 6¼° @ 7235'.  
Bit #15 has drld. 241' in 66½ hrs. Drlg. wt 18,000#; RPM 70.

CLARK #4-1 3/21/78 48 days - Drlg. in Preuss formation @ 7304'.  
Summit Co., Utah Drld. 55' in 18 hrs. MW 8.9; vis 41; WL 8.8; pH 10.0.  
Pineview Prospect Survey: 6¼° @ 7300'. Pulled bit #15 @ 7257'. Bit drld.  
249' in 69¼ hrs. Dull grade 5-4-1/16". Ran bit #16  
(8-3/4" Smith F2 - SN 354MJ). Bit has drld. 47' in 16 hrs. Running 64' pendulum.  
Drlg. wt 15,000#; RPM 70.

CLARK #4-1 3/22/78 49 days - Drlg. in Preuss formation @ 7365'.  
Summit Co., Utah Drld. 61' in 13½ hrs. MW 8.9; vis 42; WL 9.0; pH 10.2.  
Pineview Prospect Survey: 6¼° @ 7353'. Pulled bit #16 @ 7308'. Bit drld.  
51' in 18-3/4 hrs. Dull grade 8-2-1/8". Ran bit #17  
(8-3/4" Smith F3 - SN 123MR). Bit has drld. 57' in 11-3/4 hrs. PU junk  
basket & stiff BHA w/bit #17. Drlg. wt 25,000#; RPM 60.

CLARK #4-1 3/23/78 50 days - Drlg. in Preuss formation @ 7455'.  
Summit Co., Utah Drld. 90' in 23 hrs. MW 8.8; vis 45; WL 8.4; pH 10.1.  
Pineview Prospect Survey: 6½° @ 7417'. Bit #17 has drld. 147' in 34-3/4 hrs.  
Drlg. wt 27,000#; RPM 60.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

3/24/78 51 days - Drlg in Preuss formation @ 7530'. Drld 75' in 23½ hrs. MW 8.8, vis 46, WL 8.0, pH 10.0. Survey: 6 3/4" @ 7478'. Bit #17 has drld 222' in 58 hrs. Drlg wt 28,000#; RPM 70.  
Total Cost to Date

3/25/78 52 days - Drlg in Preuss formation @ 7575'. Drld 45' in 15 hrs. MW 8.8, vis 40, WL 9.0, pH 10.0. Survey: 6 3/4" @ 7539'. Pulled bit #17 @ 7557'. Bit drld 249' in 67½ hrs. Dull grade 7-4-1/8. Ran bit #18 (8 3/4" Security S86F - SN 781018) @ 7557'. Bit has drld 18' in 5½ hrs. Drlg wt 30,000#; RPM 60.

3/26/78 53 days - Drlg in Preuss formation @ 7661'. Drld 86' in 22 hrs. MW 8.8, vis 39, WL 9.2, pH 10.0. Survey: 6 3/4" @ 7661'. Bit #18 has drld 104' in 27½ hrs. Drlg wt 30,000#; RPM 60.

3/27/78 54 days - Drlg in Preuss formation @ 7755'. Drld 94' in 22 hrs. MW 8.7, vis 34, WL 9.6, pH 10.1. Survey: 7½" @ 7742'. Bit #18 has drld 198' in 49½ hrs. Drlg wt 24,000#; RPM 60.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

3/28/78 55 days - Drlg in Preuss formation @ 7858'. Drld 103' in 23 hrs. MW 8.8, vis 40, WL 9.2, pH 10.0. Survey: 7½" @ 7805'. Bit #18 has drld 301' in 72½ hrs. Drlg wt-30,000#; RPM-60.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

3/29/78 56 days - Drlg in Preuss formation @ 7893'. Drld 35' in 9 hrs. MW 8.8, vis 43, WL 9.2, pH 10.0. Survey: 7½" N 23° W @ 7820'. Pul bit #18 @ 7869'. Bit drld 312' in 75½ hrs. Dull grade 8-5-1. Ran bit #19 (8 3/4" Smith F-3 - SN 470NT) @ 7869'. Bit has drld 24' in 6 hrs. Magnafluxed BHA while out of hole. Ran Eastman direction survey on T.I.H. Closures: 159.40' N 23° 45' E. Drlg wt-27,000#; RPM-60.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

3/30/78 57 days - Drlg in Preuss formation @ 7987'. Drld 94' in 21 3/4 hrs. MW 8.9, vis 45, WL 9.8, pH 10.6. Survey: 7 3/4" @ 7898'. Bit #19 has drld 118' in 27 3/4 hrs. Drlg wt-25,000#; RPM 60.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

3/31/78 58 days - Drlg @ 8029'. Drld 42' in 11 hrs. MW 8.9, vis 43 WL 9.6, pH 10.4. Survey: 8½" @ 7991'. Bit #19 has drld 160' in 38 hrs. Drlg wt-20,000#; RPM-60.  
Total Cost to Date

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

4/1/78 59 days - Drlg in Preuss formation @ 8065'. Drld 36' in 16½ hrs. MW 8.9, vis 40, WL 9.8, pH 10.1. Survey: 7½" @ 8038'. Pulled bit #19 @ 8038'. Bit drld 169' in 41½ hrs. Dull grade 5-4-1/8. Ran bit #2 (8 3/4" Security DMJ - SN 670064) @ 8038'. Bit has drld 27' in 13½ hrs. Drlg wt 35,000#; RPM-60.

4/2/78 60 days - Drlg in Preuss formation @ 8121'. Drld 56' in 12½ hrs. MW 8.9, vis 39, WL 9.4, pH 10.1. Survey: 8" @ 8064'. Pulled bit #20 @ 8065'. Bit drld 27' in 13½ hrs. Dull grade 4-4-1. Ran bit #21 (8 3/4" Smith F4 - SN 800NT) @ 8065'. Bit has drld 66' in 12½ hrs. Drlg wt 30,000#; RPM 60.

4/3/78 61 days - Drlg in Preuss formation @ 8198'. Drld 77' in 21 3/4 hrs. MW 8.9, vis 47, WL 8.0, pH 10.0. Survey: 8½" @ 8185'. Bit #21 has drld 133' in 34½ hrs. Drlg wt 32,000#; RPM 60.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

4/4/78 62 days - Drlg. in Preuss formation @ 8269'.  
Drld. 71' in 22¼ hrs. MW 8.9; vis 45; WL 8.0; pH 11.0.  
Survey: 8¼° @ 8248'. Bit #21 has drld. 204' in 52½ hrs.  
Drlg. wt 32,000#; RPM 60.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

4/5/78 63 days - Drlg. in Preuss formation @ 8308'.  
Drld. 39' in 14¼ hrs. MW 8.8; vis 43; WL 7.6; pH 10.8.  
Survey: 7-3/4° @ 8303'. Pulled bit #21 @ 8303'. Bit drld.  
238' in 68¼ hrs. Dull grade 6-3-1/8". Ran bit #22  
(8-3/4" Hughes J44 - SN FB217). Bit has drld. 5' in 2½ hrs. Drlg. wt 32,000#;  
RPM 60.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

4/6/78 64 days - Drlg. in Preuss formation @ 8342'.  
Drld. 34' in 12¼ hrs. MW 8.8; vis 60; WL 7.8; pH 10.4.  
Bit #22 has drld. 39' in 14-3/4 hrs. Lost pump pressure.  
POH. LD 2 cracked DC's. TIH. Now drlg. w/bit #22.  
Drlg. wt 32,000#; RPM 60.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

4/7/78 65 days - Drlg. in Preuss formation @ 8409'.  
Drld. 67' in 22 hrs. MW 8.9; vis 40; WL 8.4; pH 10.5.  
Survey: 8° @ 8372'. Bit #22 has drld. 106' in 36-3/4  
hrs. Drlg. wt 30,000#; RPM 60.

Total cost to date:

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

4/8/78 66 days - Drlg. in Preuss formation @ 8483'.  
Drld. 74' in 21-3/4 hrs. MW 8.8; vis 43; WL 8.6; pH 11.1.  
Survey: 7¼° @ 8436'. Bit #22 has drld. 180' in 58½ hrs.  
Drlg. wt 32,000#; RPM 60.

4/9 67 days - Drlg. in Preuss formation @ 8559'.  
Drld. 76' in 23¼ hrs. MW 8.9; vis 45; WL 9.6; pH 10.4. Survey: 7¼° @ 8499'.  
Bit #22 has drld. 256' in 81-3/4 hrs. Drlg. wt 32,000#; RPM 60.

4/10 68 days - Drlg. in Preuss formation @ 8635'.  
Drld. 76' in 15½ hrs. MW 8.9; vis 48; WL 8.8; pH 9.0. Survey: 6½° @ 8635'.  
Pulled bit #22 @ 8565'. Bit drld. 262' in 82-3/4 hrs. Dull grade 6-6-I. Ran bit  
#23 (8-3/4" Smith F3 - SN 198NK). Bit has drld. 70' in 13 hrs. Carrying 3 units  
BGG. Drlg. wt 32,000#; RPM 60.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

4/11/78 69 days - Drlg. in sh @ 8786'. Drld. 151'  
in 22-3/4 hrs. MW 8.9; vis 85; WL 9.6; pH 12.0.  
Survey: 6° @ 8653'. Bit #23 has drld. 221' in 35-3/4 hrs.  
Salt sample top: 8720'. Carrying 1 unit BGG.  
Drlg. wt 32,000#; RPM 60.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

4/12/78 70 days - Drlg. in salt & sh @ 8943'. Drld. 157'  
in 21 hrs. MW 8.9; vis 55; WL 9.8; pH 10.5.  
Survey: 6° @ 8902'. Bit #23 has drld. 378' in 56-3/4 hrs.  
Salt sample top: 8808'. Drlg. wt 32,000#; RPM 60.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

4/13/78 71 days - Drlg. in Twin Crk ls @ 9035'.  
Drl'd. 92' in 20½ hrs. MW 8.9; vis 49; WL 8.0; pH 10.5.  
Survey: 7° @ 9024'. Bit #23 has drld. 470' in 77¼ hrs.  
Carrying 1 unit BGG. Twin Crk sample top: 8920'.  
Drlg. wt 20,000#; RPM 60.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

4/14/78 72 days - Drlg. in Twin Crk ls @ 9070'.  
Drl'd. 35' in 12-¾ hrs. MW 8.9; vis 43; WL 7.4; pH 10.5.  
Survey: 5-¾° @ 9065'. Pulled bit #23 @ 9065'. Bit  
drld. 500' in 8¾ hrs. Dull grade 4-4-1/8".  
Ran bit #24 (8-¾" Smith F3 - SN 002NH). Bit has drld. 5' in ¾ hr.  
Drlg. wt 18,000#; RPM 60. Total cost to date:

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

4/15/78 73 days - Drlg. in Twin Creek @ 9156'. Drl'd.  
86' in 22½ hrs. MW 8.9; vis 50; WL 6.8; pH 10.5.  
Survey: 6° @ 9122'. Bit #24 has drld. 90' in 23¼ hrs.  
Drlg. wt 18,000#; RPM 60.

4/16 74 days - Drlg. in Twin Creek @ 9263'.  
Drl'd. 107' in 22¼ hrs. MW 8.9; vis 43; WL 7.6; pH 10.5. Survey: 6° @ 9245'.  
Bit #24 has drld. 197' in 45½ hrs. Drlg. wt 28,000#; RPM 60.

4/17 75 days - Drlg. in Twin Creek @ 9380'.  
Drl'd. 117' in 22¼ hrs. MW 8.9; vis 43; WL 7.6; pH 10.5. Survey: 5½° @ 9308'.  
Bit #24 has drld. 314' in 67½ hrs. Carrying 1 unit BGG. Drlg. wt 25,000#; RPM 60.

CLARK #4-1  
Summit Co., Utah  
Pineview Prosp.

4/18/78 76 days - Drlg. in Twin Crk ls @ 9496'.  
Drl'd. 116' in 23 hrs. MW 8.9; vis 43; WL 7.6; pH 10.5.  
Survey: 5-¾° @ 9432'. Bit #24 has drld. 430' in  
90¼ hrs. Drlg. wt 25,000#; RPM 60.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

4/19/78 77 days - Drlg. in Twin Crk ls @ 9505'. Drl'd. 9'  
in 2-¾ hrs. MW 8.9; vis 43; WL 7.6; pH 10.5.  
Survey: 5-¾° @ 9492'. Pulled bit #24 @ 9502'. Bit  
drld. 436' in 91-¾ hrs. Dull grade 4-4-1/16". Ran bit  
#25 (8-¾" Smith F3 - SN 331NV). Bit has drld. 3' in ¼ hr. Carrying 2 units  
BGG. Drlg. wt 25,000#; RPM 60.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

4/20/78 78 days - Drlg. in Twin Crk ls @ 9623'.  
Drl'd. 118' in 22 hrs. MW 9.0; vis 42; WL 8.4; pH 10.0.  
Survey: 6° @ 9606'. Bit #25 has drld. 121' in 23¼ hrs.  
Carrying 2 units BGG. Drlg. wt 25,000#; RPM 60.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

4/21/78 79 days - Drlg. in Twin Creek formation @ 9746'. Drl'd 123'  
in 22½ hrs. MW 9.0, vis 40, WL 9.3, pH 9.5. Survey: 6° @ 9726'.  
Bit #25 has drld 244' in 45½ hrs. Carrying 2-3 UN BGG. Drlg wt-  
25,000#; RPM-60.  
Total Cost to Date

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

22/78 80 days - Drlg. in Twin Crk ls @ 9834'.  
Drld. 138' in 22½ hrs. MW 8.9; vis 47; WL 10.0; pH 10.5.  
Survey: 6° @ 9802'. Bit #25 has drld. 382' in 67½ hrs.  
Had 15-unit gas increase 9788-9796'. Carrying 4 units  
BGG. Drlg. wt 25,000#; RPM 60.

4/23 81 days - Drlg. in Twin Crk ls @ 9999'. Drld. 115'  
in 23¼ hrs. MW 8.9; vis 45; WL 7.8; pH 9.5. Survey: 6° @ 9915'. Bit #25 has  
drld. 497' in 91-¾ hrs. Carrying 2 units BGG. Drlg. wt 25,000#; RPM 60.

4/24 82 days - TD 10,016'. Drld. 17' of Twin Crk ls  
in 3 hrs. Working tight hole @ 8986'. MW 9.0; vis 49; WL 7.6; pH 10.0.  
Bit #25 has drld. 514' in 94-¾ hrs. Now pulling bit #25 @ 10,016' & working  
tight hole.

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CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

4/25/78 83 days - TD 10,016'. Working tight hole  
@ 8986'. MW 9.1; vis 66; WL 7.6; pH 10.5.  
Now working tight hole & WO repairs for rotary clutch.

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CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

4/26/78 84 days - Drlg. in Twin Crk ls @ 10,021'.  
Drld. 5' in 1 hr. MW 8.9; vis 50; WL 8.2; pH 10.0.  
Bit #25 has drld. 519' in 95-¾ hrs. Finished  
repairing rotary clutch. Washed & reamed to bottom.  
Drld. 5' to cond. hole. Now prep to POH w/bit #25.

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CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

4/27/78 85 days - TD 10,021'. Fishing.  
MW 8.9; vis 57; WL 8.2; pH 10.0. Began POH w/bit #25;  
pulled to 6113'—hit tight spot. DP parted due to hole  
in pipe. POH. PU & TIH w/overshot, jars, bumper sub.  
Engaged top of fish @ 5607'. Now working fish, prep to run freepoint.

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CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

4/28/78 86 days - TD 10,021'. Fishing. MW 8.8; vis 58;  
WL 6.4; pH 10.0. Attempted to retrieve mud saver valve.  
Pulled out of rope socket. Had to release overshot & LD  
mud saver sub. Re-engaged fish w/overshot. TIH w/jet  
shot--unable to go below 5700'. POH w/jet shot. TIH w/1-¾" sinker bars--  
stopped @ 6185'. Ran freepoint--found pipe 100% free to 5726' (top of collars).  
POH w/freepoint. Attempted to back off--overshot slipped off. Now POH to  
change grapples in overshot. Total cost to date:

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CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

4/29/78 87 days - TD 10,021'. Washing over fish @ 5724'.  
MW 8.9; vis 50; WL 8.8; pH 9.6. Finished POH.  
Changed grapples in overshot. TIH. Circ. & cond. hole.  
Engaged fish @ 5607'. TIH w/Petro-Log string shot.  
Backed off @ 5680'. POH. Rec. 27' stub & 2 jts DP. Top of fish: 5698'.  
TIH w/8-1/8" washpipe & spear. Now washing over fish @ 5724'.

4/30/ 88 days - TD 10,021'. Soaking stuck washpipe.  
MW 8.9; vis 51; WL 8.8; pH 9.4. Washed over 5724-5731'. POH. TIH w/shoe #2.  
Washed over 5731-32½'. Fish came loose--fell 5'. Stuck washpipe. Spotted 40  
bbls. diesel. Now soaking stuck washpipe.

5/1 89 days - TD 10,021'. Cleaning out DC's.  
MW 8.9; vis 48; WL 6.8; pH 9.2. Finished soaking washpipe. Jarred on fish.  
Fish came free. POH & LD fish. Magnafluxed DC's. Now cleaning out DC's,  
prep to cond. hole.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

5/2/78 90 days - TD 10,021'. Reaming @ 8800'.  
MW 9.0; vis 60; WL 6.4; pH 10.0. Finished cleaning out  
DC's. Ran bit #RR25 (8-3/4" Smith F3 - SN 331NU).  
Now washing & reaming to bottom @ 8800'.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

5/3/78 91 days - TD 10,021'. Reaming @ 9682'.  
MW 9.0; vis 63; WL 9.6; pH 10.0. Began reaming &  
conditioning hole @ 5700'. Bit #RR25 has reamed 3982'  
in 36 hrs. Hole reaming very hard. Rmg wt 2-5000#; RPM 60.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

5/4/78 92 days - POH for bit @ 10,023'. Drld. 2'  
of Twin Crk ls in 2½ hrs. MW 8.9; vis 64; WL 9.2;  
pH 10.0. Reamed 9682-10,021' in 18½ hrs. w/bit  
#RR25. Bit has drld. 2' in 2½ hrs. Hole appears to  
be in fair condition. Now POH for bit.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

5/5/78 93 days - Drlg. in Twin Crk ls @ 10,024'.  
Drld. 1' in 1 hr. MW 9.0; vis 68; WL 9.6; pH 10.0.  
Finished pulling bit #RR-25 @ 10,023'. Bit had been  
running on junk. Dull grade 8-8-I. Ran 8½" Tri-State  
magnet to 4360'. Encountered tight hole. POH. Ran bit #26 (8-3/4" Sec. H7SG -  
SN 768928) @ 10,023'. Bit has drld. 1' in 1 hr. Appears to be running on junk.  
Drlg. wt 25,000#; RPM 60. Total cost to date:

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

5/6/78 94 days - Drlg. in Twin Crk ls @ 10,055'.  
Drld. 31' in 7-3/4 hrs. MW 9.0; vis 66; WL 8.4; pH 10.0.  
Pulled bit #26 @ 10,037'. Bit drld. 13' in 3 hrs.  
Dull grade 4-3-I. Ran bit #27 (8-3/4" Smith F4 -  
SN 308NK). Bit has drld. 18' in 5¼ hrs. Drlg. wt 25,000#; RPM 60.

5/7 95 days - Drlg. in Twin Crk ls @ 10,127'.  
Drld. 72' in 22 hrs. MW 8.9; vis 47; WL 7.8; pH 10.0. Bit #27 has drld. 90'  
in 27 hrs. Drlg. wt 25,000#; RPM 56.

5/8 96 days - Drlg. in Twin Crk ls @ 10,219'.  
Drld. 92' in 23½ hrs. MW 8.9; vis 47; WL 6.0; pH 11.0. Bit #27 has drld. 182'  
in 50½ hrs. Drlg. wt 25,000#; RPM 60.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

5/9/78 97 days - Drlg. in Twin Crk ls @ 10,320'.  
Drld. 101' in 22 hrs. MW 9.0; vis 60; WL 6.4; pH 10.0.  
Bit #27 has drld. 283' in 72½ hrs. Slide Rock sample top:  
10,175'. Drlg. wt 25,000#; RPM 56.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

5/10/78 98 days - Drlg. in Gyp Springs @ 10,346'.  
Drld. 26' in 13 hrs. MW 9.0; vis 56; WL 6.0; pH 10.0.  
Pulled bit #27 @ 10,320'. Bit drld. 283' in 72½ hrs.  
Dull grade 5-4-I. Ran bit #28 (8-3/4" Smith F9 -  
SN 376HJ). Bit has drld. 26' in 13 hrs. Gyp Springs sample top: 10,332'.  
Drlg. wt 27,000#; RPM 56.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

5/11/78 99 days - Drlg. in Nugget ss @ 10,436'.  
Drl'd. 90' in 23½ hrs. MW 9.1; vis 45; WL 6.4; pH 10.0.  
Bit #28 has drld. 116' in 36 hrs. Nugget sample top:  
10,380'. Drlg. wt 30,000#; RPM 60.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

5/12/78 100 days - Drlg. in Nugget ss @ 10,494'.  
Drl'd. 58' in 10-3/4 hrs. MW 8.9; vis 53; WL 6.8;  
pH 10.0. Pulled bit #28 @ 10,446'. Bit drld. 126'  
in 38 hrs. Dull grade 5-3-1/16". Ran bit #29  
(8-3/4" Sec. H100 - SN 792546). Bit has drld. 48' in 8-3/4 hrs. Lost 19 bbls.  
mud 10,446-10,460'. Had 3' drlg. break 10,454-10,457'. Now drlg. w/full returns.  
Drlg. wt 30,000#; RPM 58. Total cost to date:

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

5/13/78 101 days - POH for logs @ 10,580'. Drl'd. 86'  
of Nugget ss in 15½ hrs. MW 9.0; vis 71; WL 6.0; pH 10.4.  
Now pulling bit #29 @ 10,580' for logs. Bit drld. 134'  
in 26¼ hrs. Drlg. wt 30,000#; RPM 60.

5/14 102 days - TD 10,580'. Logging w/Schlumberger.  
MW 9.0; vis 71; WL 6.0; pH 10.4. Survey: 3-3/4° @ 10,580'. Finished pulling  
bit #29 @ 10,580'. Dull grade 3-4-I. Ran DLL 10,573-1519'. Now logging.

5/15 103 days - TD 10,580'. Circulating, WOO to  
run csg. MW 8.8; vis 58; WL 6.2; pH 10.1. Ran logs as follows: Dipmeter  
10,573-1519'; Sonic 10,570-1517'; Welx Frac-Finder 10,566-8640'; & Geometric  
Dual Log thru salt section. Now circulating, WOO.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

5/16/78 104 days - TD 10,580'. Running 5½" csg.  
MW 8.8; vis 58; WL 6.2; pH 10.1. Circulated & WOO.  
POH. LD DP & DC's. RU csg. crews. Now running csg.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

5/17/78 105 days - TD 10,580'. NU BOP stack.  
Finished running 5½" csg. as follows from bottom up:

99 jts 17#, S-95, 8-rd, LT&C -	4,138.55'
116 jts 17#, K-55, 8-rd, LT&C -	4,645.24'
44 jts 17#, N-80, 8-rd, LT&C -	1,826.69'
Total of 259 jts -	10,610.48'

Ran & set csg. @ 10,580' KB; float collar @ 10,536'. Displaced mud w/580 bbls.  
wtr, 3% KCl & 25 gals. Adamol. Cemented w/745 sx 50-50 Pozmix, 4% gel,  
5#/sk Gilsonite, ¼#/sk Flocele, 18% salt & 3/4 of 1% CFR<sub>2</sub>, followed by 226 sx  
50-50 Pozmix, 2% gel, 10% salt, 1#/sk Gilsonite, ¼#/sk Flocele, 3/4 of 1% CFR<sub>2</sub>  
& .2 of 1% HR<sub>4</sub>. Bumped plug w/2200 psi. Float held. PD 9:45 PM 5/16/78.  
Had good returns thruout job. Now NU BOP, prep to clean out 5½" csg. &  
run Bond Log.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

5/18/78 106 days - PBTD 10,535'. Tripping out to  
run Bond Log. PU & TIH w/4-3/4" bit (Hughes WO -  
SN HP381), csg. scraper, 4 - 3-1/8" DC's & 334 jts  
2-7/8" tbg. Tagged cmt. @ 10,476'. Drl'd. cmt. to  
10,535'. Circ. & cleaned hole. Displaced hole w/3% KCl. Now POH to run CBL.

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

5/19/78 107 days - PBTD 10,535'. ND BOPE. Ran bond log. TIH, LD  
DP. Now ND BOPE.  
Total Cost to Date

CLARK #4-1  
Summit Co., Utah  
Pineview Prospect

5/20/78 108 days - PBTD 10,535'. Finished LD DP.  
Rig released 12:00 noon 5/20/78.  
5/21-22 RDRT. (Drop from report, sub. to completion.)  
(Parker Rig #56 released to Exxon for 1 well.)

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

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

UNIT AGREEMENT NAME

FARM OR LEASE NAME

Clark

WELL NO.

4-1

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

3. ADDRESS OF OPERATOR

707 United Bank Tower, 1700 Broadway, Denver, CO 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface  
660' FSL & 1980' FWL  
At top prod. interval reported below

10. FIELD AND POOL, OR WILDCAT

Pineview

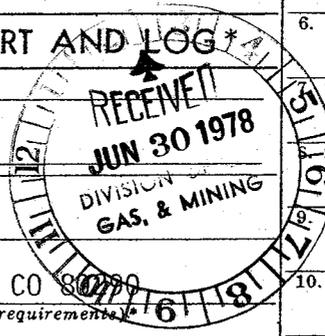
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 4-2N-7E

14. PERMIT NO. 43-043-30071  
DATE ISSUED 1-4-78

12. COUNTY OR PARISH  
Summit

13. STATE  
Utah



15. DATE SPUDDED 2-1-78  
16. DATE T.D. REACHED 5-17-78  
17. DATE COMPL. (Ready to prod.) 6-7-78  
18. ELEVATIONS (DF, REB, RT, GR, ETC.)\* 6650' GR  
19. ELEV. CASINGHEAD -----

20. TOTAL DEPTH, MD & TVD 10,580'  
21. PLUG, BACK T.D., MD & TVD 10,535' PBSD  
22. IF MULTIPLE COMPL., HOW MANY\* ----  
23. INTERVALS DRILLED BY ----  
ROTARY TOOLS 0-TD  
CABLE TOOLS ----

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

9813-9888, 9787-9797' (Twin Creek)

25. WAS DIRECTIONAL SURVEY MADE  
Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

DLI, Dipmeter, Sonic, FDC-CNL, BGT, Frac Finder

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
9 5/8"	36#, 40#	1508'	12 1/4"	700 sx	None
5 1/2"	17#	10580'	8 3/4"	971 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"	9610'	9590'

31. PERFORATION RECORD (Interval, size and number)

9813-88, 9787-97' 2 spf 3 1/8" gun

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
9787-97,	372 bbls 28% HCl, 144 bbls YF4G pad, 432 bbls YF4G w/2 ppg 100 mesh sd, 456 bbls 1se wtr, 50 ball sealers, flushed w/80 bbls
9813-88'	

33.\* PRODUCTION lse crude

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
6-7-78	flowing	producing					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
6-7-78	24	24/64	→	607	438	0	722:1
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
430	----	→	607	438	0	46.4	

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

Temporarily venting-- propose sale to Mountain Fuel

TEST WITNESSED BY  
Gary Kellogg

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 Production Superintendent DATE 6-22-78

\*(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.

**Item 1:** 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 33.

**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.
NONE			

NAME	MEAS. DEPTH	TOP
Kelvin	2930'	
Stump	6330'	
Preuss	6782	
Twin Creek	9015'	
Nugget	10366'	

## 38. GEOLOGIC MARKERS



SCOTT M. MATHESON  
Governor

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON  
Executive Director,  
NATURAL RESOURCES

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS, AND MINING

1588 West North Temple

Salt Lake City, Utah 84116

(801) 533-5771

May 21, 1979

I. DANIEL STEWART  
Chairman

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

CLEON B. FEIGHT  
Director

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

Re: WELL NO. CLARK 4-1  
Sec. 4, T. 2N, R. 7E  
Summit County, Utah

Gentlemen:

According to our records, a "Well Completion Report" filed with this office ~~6-22-78~~ from above referred to well(s) indicates the following electric logs were run: **DIL, Dipmeter, Sonic, FDC-CNL, BGT, Frac Finder.** The only log we have received to date is the Cement Bond.

Rule C-5, General Rules and Regulations and Rules of Practice and Procedure, requires that a well log shall be filed with the Commission together with a copy of the electric and radioactivity logs.

Your prompt attention to the above will be greatly appreciated.

Sincerely,

DIVISION OF OIL, GAS & MINING

*Kathy Ostler*

KATHY OSTLER  
RECORDS CLERK

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

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. FEE
2. NAME OF OPERATOR American Quasar Petroleum Co. of New Mexico		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 1700 Broadway, Ste. #707 Denver, Colorado 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 660' FSL, & 1980' FWL		8. FARM OR LEASE NAME Clark
14. PERMIT NO. 43-043-30071	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6619' GR	9. WELL NO. 4-1
		10. FIELD AND POOL, OR WILDCAT Pineview
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 4, 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) <input type="checkbox"/>	
(Other) <input type="checkbox"/>	Recompletion <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.)\*

Plan to recomplete well in Stump formation.

See attached prognosis.

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

DATE: 6/20/83  
BY: [Signature]

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

SIGNED James T. Bauer TITLE Division Production Manager DATE June 9, 1983

(This space for Federal or State office use)

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

CLARK 4-1

STUMP RECOMPLETION PROGNOSIS

SUMMIT COUNTY, UTAH

1. MIRU. Kill well with treated produced water, if necessary. ND tree and NU BOP's.
  2. TOH w/rods and pump. Release tbg anchor and TOH w/2 7/8" tbg.
  3. PU retrievable squeeze pkr and TIH on 2 7/8" tbg. Set pkr @9500'. Squeeze Watton Canyon perfs @9787-97' and 9813-88 w/100 sx Class H cement (bottom hole temp is 175°F). Displace cement to 9700', release pkr, reverse clean and TOH.
  4. RU wireline. Run Gamma-Ray Casing Collar Log from 7200' to 5200'. Correlate Gamma Ray log to Schlumberger's Gamma Ray run on 5/13/70 on Sonic log. Shoot squeeze perfs at ±6550' using 4" csg gun w/4 SPF. TOH, PU cement retnr and RIH set at ±6540'. TOH & RD wireline.
  5. TIH w/2 7/8" tbg, sting into CR @±6540. Prep to cement. Manifold lines and attempt to break circ btwn 5½-9 5/8" annulus. Do not exceed 1500 psi attempting to pump down backside. If circ can be established proceed to cement and attempt to circ to sfc. If circ cannot be established, leave backside open to atmosphere and squeeze with 300 sx Class H low water loss cement. (BHT 140°F). Unsting, reverse clean and TOH.
  6. RU wireline. Run CBL-GR-CCL from CR to top of cement. Telecopy to Denver office. If cement top is at 6300' or higher in hole and good bond is indicated proceed to perforating Stump. If poor or no cement over Stump zone is seen proceed with top block sqz as follows:
    - a. Perforate sqz holes w/4" csg gun @6300' w/4 SPF.
    - b. Set cement retnr @6290'. RD wireline. TIH w/tbg, sting into retnr, establish rate and sqz w/200 sx Class G low water loss cement. Displace cement to retnr, unsting, reverse clean & TOH.
    - c. PU bit, scraper, drill collars and RIH on 2 7/8" tbg. Drill out cement retnr @6300' and cement to bottom retnr at ±6540'. Circ hole clean. TOH and LD DC's, bit and scraper.
  7. PU retrievable pkr. TIH & set at 6200'. RU swab mandril and swab fluid level down to ±5500'. RD swab.
  8. RU wireline truck and perf the Stump formation w/2 JSPF at

6328-6337'	(20 holes)
6343-6356'	(28 holes)
	48 holes
- Correlate to Sonic-Gamma-Ray run by Schlumberger on 5/13/78. Report on any pressure changes - fluid influx. RD wireline.
9. RU swab and check for fluid entry. Prep to acidize zone if necessary with 5000 gals 15% HCl containing iron-sequestering agent, clay stabilizer and inhibited for 140°F BHT.
  10. Flow/swab load back. Determine productivity. If non-commercial, well will be used as Nugget saltwater disposal well. ND BOP & NU tree. A new rod and pump design will be forwarded based on productivity determined while swabbing load.

**STATE OF UTAH**  
 DEPARTMENT OF NATURAL RESOURCES  
 DIVISION OF OIL & GAS CONSERVATION  
 4241 STATE OFFICE BUILDING  
 SALT LAKE CITY, UTAH 84114  
 533-5771

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

AUG 30 1983

**REPORT OF OPERATIONS AND WELL STATUS REPORT**

STATE Utah COUNTY Summit FIELD/LEASE Pineview

The following is a correct report of operations and production (including drilling and producing wells) for the month of:  
July, 1983

Agent's Address 707 United Bank Tower Company American Quasar Petroleum Co. of New Mex  
1700 Broadway Signed Mary Marson  
Denver, CO 80290 Title Administrative Supervisor  
 Phone No. 303-861-8437

Sec. and % of %	Twp.	Range	Well No.	Days Produced	Barrels of Oil	Gravity	Cu. Ft. of Gas (In thousands)	Gallons of Gasoline Recovered	Barrels of Water (if none, so state)	API NUMBER/REMARKS (if drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
<u>Clark</u>										
<u>Sec. 4 SE SW</u>	<u>2N</u>	<u>7E</u>	<u>4-1</u>	<u>0</u>	<u>327</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>43-043-30071</u> ✓

**GAS: (MCF)**  
 Sold 0  
 Flared/Vented 0  
 Used On/Off Lease 0

**OIL or CONDENSATE: (To be reported in Barrels)**  
 On hand at beginning of month 0  
 Produced during month 327  
 Sold during month 327  
 Unavoidably lost 0  
 Reason: 0  
 On hand at end of month 0

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

Note: The API number must be listed on each well.

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

SUBMITTED 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 back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.	FFF
6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
7. UNIT AGREEMENT NAME	
8. FARM OR LEASE NAME	Clark
9. WELL NO.	4-1
10. FIELD AND POOL, OR WILDCAT	Pineview-Stump
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA	Sec. 4, T2N-R7E
12. COUNTY OR PARISH	Summit
13. STATE	Utah

1.  OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
American Quasar Petroleum Co.

3. ADDRESS OF OPERATOR  
1700 Broadway #707 Denver, CO 80290

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\* See also space 17 below.)  
At surface 660' FSL & 1980' FWL

14. PERMIT NO.  
43-043-30071

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

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

NOTICE OF INTENTION TO:

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

SUBSEQUENT REPORT OF:

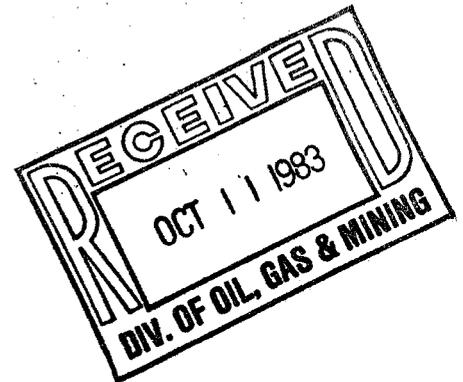
WATER SHUT-OFF	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACTURE TREATMENT	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOTING OR ACIDIZING	<input type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
(Other) <u>Recompletion</u>			<input checked="" type="checkbox"/>

(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.)\*

See attached.

Well TA pending possible SWD.



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

SIGNED John D. Nolan

TITLE Division Production Manager DATE 9/30/83

(This space for Federal or State office use)

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

TITLE \_\_\_\_\_ DATE \_\_\_\_\_

32. Sqzd perfs 9787-9888 w/250 sx Class H

Acddz (Stump) 6328-38, 6346-56 w/10,000 gals 15% HCl, flushed w/2% KCl wtr

Sqzd (Stump) 6328-38, 6346-56 w/100 sx Class H

Acddz (Stump) 6242-50, 6196-6210 w/119 bbls 15% HCl, flushed w/2% KCl wtr

Sqzd perfs 6242-50 w/50 sx cement

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

SUBMIT IN DUPLICATE  
(See other instructions  
on reverse side)

RECEIVED  
OCT 11 1983  
14

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \* OIL, GAS & MINING

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 \_\_\_\_\_

2. NAME OF OPERATOR  
American Quasar Petroleum Co.

3. ADDRESS OF OPERATOR  
1700 Broadway #707 Denver, CO 80290

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 660' FSL & 1980' FWL  
At top prod. interval reported below  
At total depth

14. PERMIT NO. 43-043-30071 DATE ISSUED 1/4/78  
Re-entry TA 9/21/83

15. DATE SPUDDED 7/11/83 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 9/21/83

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 19. ELEV. CASINGHEAD  
20. TOTAL DEPTH, MD & TVD 10580 21. PLUG, BACK T.D., MD & TVD 6230'

22. IF MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY  
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
6196-6210 (Stump)

25. WAS DIRECTIONAL SURVEY MADE  
26. TYPE ELECTRIC AND OTHER LOGS RUN GR-CCL, CBL 27. WAS WELL CORED

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8"	36#, 40#	1508'	12 1/4"	700 sx	None
5 1/2"	17#	10580'	8 3/4"	971 sx	None

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)  
6328-38 (22 holes) Stump formation  
6346-56 (22 holes)  
6242-50 } w/2 SPF  
6196-6210 }

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.  
DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED  
See attached

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.)
--	--	--	--	--	--	--

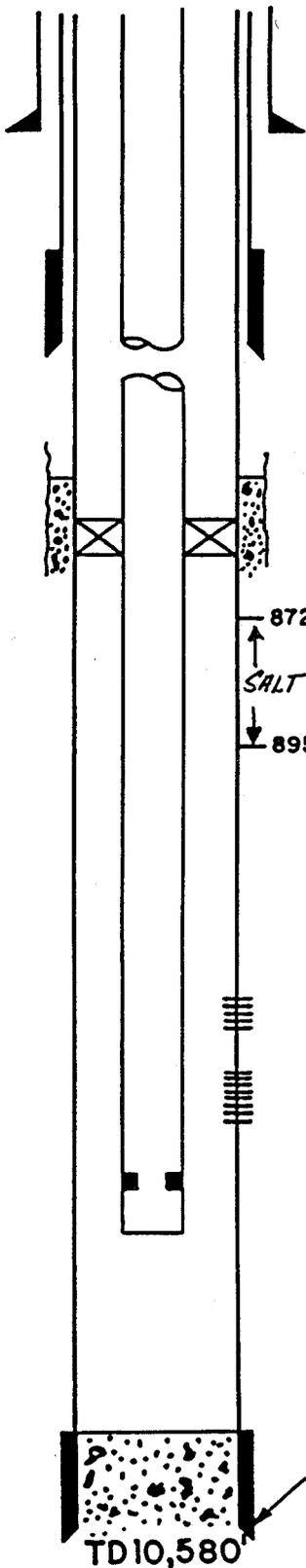
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNESSED BY

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 Johnd. Dolan TITLE Division Production Manager DATE 9/30/83

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



13 3/8", 48, H-40 CSA 75' w/7yds. REDI-MIX

9 5/8" 36 & 40# K-55 @ 1508' w/700sx

CEMENT TOP at 6922'

TUBING ANCHOR @ 8665'

RODS: 4-1"

198-3/4"

102-7/8"

91-1" w/SCRAPERS

2 1/2 x 1 1/2" 180" MAX STROKE PUMP.

8720'  
↑  
SALT  
↓  
8950'

TWIN CREEK—WATTON CANYON

9787'-97'

- 2 SPF

9813'-88'

SEAT NIPPLE @ 9922'

PBSD 10,535'

FC @ 10,535'

5 1/2" 17#, K-55 & S-95 CSA 10,580 w/971sx.

TD 10,580'

LOCATION: 660' FSL, 1980' FWL, Sec. 4

T 2 N - R 7 E SUMMIT CO, UTAH

ELEVATION: 6619 gr, 6635 KB

EXISTING WELL BORE  
AMERICAN QUASAR PETROLEUM CO.  
**CLARK 4-1 WELL BORE  
DIAGRAM**

NO SCALE

3-18-83

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 checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER</p> <p>2. NAME OF OPERATOR American Quasar Petroleum Co.</p> <p>3. ADDRESS OF OPERATOR 1700 Broadway, #707, Denver, CO 80290</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface  660' FSL, 1980' FWL</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 Clark</p> <p>9. WELL NO. 4-1</p> <p>10. FIELD AND POOL, OR WILDCAT Pineview-Stump</p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 4, T2N-R7E</p> <p>12. COUNTY OR PARISH Summit</p> <p>13. STATE Utah</p>
<p>14. PERMIT NO. 43-043-30071</p>	<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6619' 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"/>	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"/>	

(Other) Well status   
(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 SI 9-21-83 pending possible SWD.

**RECEIVED**  
  
AUG 27 1984  
  
DIVISION OF OIL  
GAS & MINING

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

SIGNED John D. Nolan 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

SUBMIT IN TRIPLICATE\*  
(OR instructions on  
back)

14  
14

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
Champlin Petroleum Company

3. ADDRESS OF OPERATOR  
PO Box 700, Rock Springs, Wyoming 82902

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

5. LEASE DESIGNATION AND SERIAL NO.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT  
Pineview

11. SEC. T. R. M. OR BLK. AND SURVEY OR AREA  
Sec 4 T2N R7E

12. COUNTY OR PARISH 13. STATE  
Summit Utah

14. PERMIT NO.

15. ELEVATIONS (Show whether DT, M, or etc.)

APR 26 1985

DIVISION OF OIL  
GAS & MINING

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

NOTICE OF INTEREST NO.:

SUBSEQUENT RESPONSE:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

FULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Change of Operator

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

REPAIR WELL

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

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

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

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

43-043 API	WELLS	LOCATION	43-043 API	WELLS	LOCATION
30026	Bingham 2-1	NW/4 SW/4 Sec 2, T2N, R7E	30031	UPRR 3-4	SE NW, Sec 3, T2N, R7E
30125	Bingham 2-1A	SW SW Sec 2, T2N, R7E	30035	UPRR 3-5 (WATER IN)	SE SW, Sec 3, T2N, R7E
30028	Bingham 2-2	NW NW, Sec 2, T2N, R7E	30036	UPRR 3-6	SE SE, Sec 3, T2N, R7E
30033	Bingham 2-3	SE SW, Sec 2, T2N, R7E		Pineview 3-7 (TA)	SW SW, Sec 3, T2N, R7E
30038	Bingham 2-4	SE NW, Sec 2, T2N, R7E	30120	UPRR 3-8	SW NW, Sec 3, T2N, R7E
	Bingham 2-5 (TA)	NW SE, Sec 2, T2N, R7E	30151	UPRR 3-9	NE SE, Sec 3, T2N, R7E
30025	Bingham 10-1	NW NE, Sec 10, T2N, R7E		Newton Sheep #1	NE SE, Sec 4, T2N, R7E
30016	Bingham 10-2	NW NW, Sec 10, T2N, R7E		Clark 4-1 (SE)	SE SW, Sec 4, T2N, R7E
30097	Bingham 10-3 (WATER IN)	SE NW, Sec 10, T2N, R7E	30077	Pineview 4-3	SE SE, Sec 4, T2N, R7E
30012	UPRR 3-1	NW/4 NW/4, Sec 3, T2N, R7E	30083	Pineview 4-4	SE SE, Sec 4, T2N, R7E
30015	UPRR 3-2	NW SW, Sec 3, T2N, R7E	30103	Newton Sheep 4-5	NE NE, Sec 4, T2N, R7E
30019	UPRR 3-3	NW/SE, Sec 3, T2N, R7E			

CONTINUES PAGE 2

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

SIGNED S.M. Schram  
S.M. SCHRAM

TITLE Production Superintendent

DATE March 27, 1985

(This space for Federal or State office use)

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

TITLE \_\_\_\_\_

DATE \_\_\_\_\_



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

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

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

June 24, 1985

Attention: John D. Dolan  
American Quasar Petroleum Company  
1700 Broadway, #707  
Denver, Colorado 80290

Dear Mr. Dolan:

RE: Status of Clark 4-1 Well, Section 4, T.2N, R.7E,  
Summit County, Utah

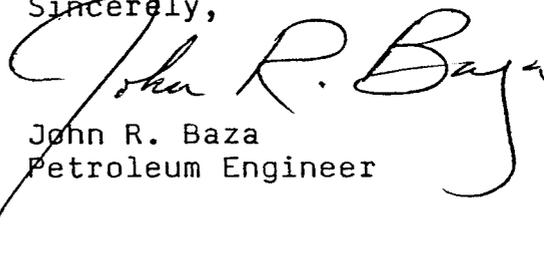
A recent review of the records on the Clark 4-1 well in Section 4, T.2N, R.7E, revealed that no sundry report has been filed with the Division since August 21, 1984. The Division staff is interested in knowing the present status of this well and any future plans of operation concerning the Clark 4-1.

The sundry filed on August 21, 1984, stated that the well was shut-in as of September 21, 1983, and was pending possible conversion to a salt water disposal well. There is no application on file with the Division for conversion to a salt water disposal well, and for that reason we are requesting further information.

Because this well has not proven capable of producing oil and/or gas, nor is it being converted to a salt water disposal well, the Staff's main concern is that the well be properly plugged and abandoned and the site restored with our approval.

Please notify the Division of your plans for the Clark 4-1 well. We appreciate your prompt attention to this matter.

Sincerely,



John R. Baza  
Petroleum Engineer

DBS/sb  
cc: Dianne R. Nielson  
R.J. Firth  
Well File  
9689T-54

14

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 type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. Fee
2. NAME OF OPERATOR CHAMPLIN PETROLEUM COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P.O. Box 700 Rock Springs, WY 82902		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 660' FSL, 1980' FWL		8. FARM OR LEASE NAME Clark
14. PERMIT NO. 43-043-30071		9. WELL NO. 4-1
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6619' GR		10. FIELD AND POOL, OR WILDCAT Pineview-Stump
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 4, 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"/>	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) Well Status <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.)

Well SI 09/21/83

Presently completed in the Stump Zone 6196-6210'

SI pending possible conversion to SWD

RECEIVED

JUL 15 1985

DIVISION OF OIL  
GAS & MINING

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

SIGNED Steven M. Schram TITLE Production Superintendent DATE 07/08/85

(This space for Federal or State office use)

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

UIC CHECKLIST FOR APPLICATION APPROVAL

OPERATOR Champlin Petroleum WELL NUMBER Clark #4-1

SEC. 4 T. 2N R. 7E COUNTY Summit

API # 43-043-30071

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

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

Comments: Similar rates, pressures + zones as the approved  
Nugget injector #5-1 (Sec. 5, 2N, 7E)

Wells in 1/2 mile review: 5 Producing, 0 SI,  
0 Injecting, 2 PA

Reviewed by Dorothy B. Swindel 3/31/87



A Subsidiary of  
Union Pacific Corporation

March 10, 1987

RECEIVED  
MAR 25 1987

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

DIVISION OF  
OIL, GAS & MINING

Attention Mr. Gil Hunt

SUBJECT: REQUEST FOR ADMINISTRATIVE APPROVAL TO CONVERT THE CLARK 4-1 WELL TO A NUGGET SALT WATER DISPOSAL WELL, 600' FSL & 1980' FWL, SECTION 4, T2N, R7E, PINEVIEW FIELD, SUMMIT COUNTY, UTAH

Champlin Petroleum Company hereby requests approval to convert the Clark 4-1 to a saltwater disposal well in the Nugget formation. The subject well was spudded in February of 1978 and subsequently completed in the Twin Creek during June of the same year. The Twin Creek produced a cumulative 252.4 MBO before becoming non-economic. The Stump formation was then thoroughly tested and found to be non-productive. The well has been shut-in since September of 1983. It should be noted that a Nugget disposal well, UPRR 5-1 SWDW, is already in operation at Pineview.

As required under Rule 502 (a) & (b), Champlin hereby submits the attached information. A copy of this application has been forwarded to all working interest owners and surface owners within a one-half mile radius of the Clark 4-1. Champlin is the only operator of producing leases within the one-half mile radius.

Very truly yours,

CHAMPLIN PETROLEUM COMPANY

Keith J. Nosich  
Petroleum Engineer

KJN/da

Attachments



RULE 502 (a)

The proposed well will be completed and equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, any other resource, and will confine injected fluids to the Nugget interval.

Please reference attached proposed wellbore diagram.

RULE 502 (b)

1. The attached plat shows the surface location of the Clark 4-1, all abandoned and active wells within a one-half mile radius, surface owners, and operators within a one-half mile radius. Champlin is the only operator within the subject radius.
2. All electrical and radioactive logs should be on file with the State of Utah.
3. The cement bond log should be on file with the State of Utah.
4. Please reference the above logs. If you should require further information, log copies can be forwarded to your office.
5. The existing casing program is illustrated on the attached diagrams. As shown, the casing program is as follows:

<u>Interval</u>	<u>Casing</u>
0-1826'	5½" 17# N-80 LTC
1826-6471'	5½" 17# K-55 LTC
6471-10,580'	5½" 17# S-95 LTC

The casing will be tested to a pressure of 1000 psi as outlined in Rule 505 (b) covering the testing of an existing well newly converted to an injection well. The well will be monitored according to Rule 505 (c)(1).

6. The disposal fluid will consist of saltwater produced in the Pineview and North Pineview Fields. The saltwater is produced from the Nugget, Twin Creek, Stump, and Frontier formations. The maximum estimated amount of water to be injected daily is 10,000 BWPD with an average volume of 5000 BWPD.
7. A standard laboratory water analysis of saltwater from each producing formation, the proposed disposal formation, and a combined saltwater stream with all producing formations is attached.
8. Average proposed injection pressure = 2100 psi  
Maximum proposed injection pressure = 2500 psi

9. Fracture Gradient = 0.86 psi/ft. (Bingham 2-1A Nugget frac and Bingham 2-3 acid job)  
 Disposal volume = 10,000 BWPD maximum, 5000 BWPD average  
 S.G. of water = 1.0325  
 Surface pressure = 2500 psi maximum  
 Average Nugget depth = 10,452'  
 Tubing setting depth = ±10,300'
- A. Fracture pressure at Nugget formation  
 10,452' (0.86 psi/ft.) = 8989 psi
- B. Injection pressure at Nugget formation (5000 BWPD average)  
 Injection pressure = surface injection pressure + hydrostatic pressure-friction pressure  
 = 2500 + (.433 psi/ft.)(1.0325)(10,452) - 700  
 = 6473 psi
- C. 8989 - 6473 = 2516 psi below fracture pressure

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

10. Nugget Formation  
 Top: 10,368'  
 Lithology: Sandstone  
 Thickness: 10,368-535' (this is all that was penetrated)  
 Lateral Extent: Fault located 3000' to south of Clark 4-1, 6000' to north and 8500' to west. No control to determine faulting on east side. UPRR 5-1 Nugget SWDW is located in same fault block 2800' to the east. Present over entire field.

Confining beds: Twin Creek  
 Top: 8930'  
 Lithology: Limestone  
 Thickness: 8930-10,368' (1438' thick)  
 Lateral extent: Identical to Nugget. Present over entire field.

Confining beds: Pruess Salt  
 Top: 8725'  
 Lithology: Salt  
 Thickness: 8720-8886' (166' thick)  
 Lateral Extent: Present over entire field.

Confining beds: Pruess  
 Top: 7004'  
 Lithology: Siltstone & Shales  
 Thickness: 7004-8720' (1716' thick)  
 Lateral Extent: present over entire field

Confining beds: Stump  
 Top: 6580'  
 Lithology: Sandstone & Shale  
 Thickness: 6580-7004' (424' thick)  
 Lateral Extent: Faults located 1000' southeast, 2000' east, 7000' north, and 5200' northwest. Present over entire field.

Confining beds: Kelvin  
 Top: 2930'  
 Lithology: Sandstone, Shale, Siltstone  
 Thickness: 2930-6580' (3650' thick)  
 Lateral Extent: Present over entire field

11. Attachments a. Mechanical Condition of Offsetting Wellbores

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

<u>Well Name</u>	<u>Location</u>	
Pineview 4-3	663' FEL & 722' FSL	Sec. 4, T2N, R7E
Pineview 4-4	909' FSL & 824' FEL	Sec. 4, T2N, R7E
Newton Sheep 4-10S	2163' FSL & 1990' FEL	Sec. 4, T2N, R7E
Newton Sheep 4-11S	1980' FSL & 1980' FWL	Sec. 4, T2N, R7E
UPRR 9-1	1723' FNL & 2484' FWL	Sec. 9, T2N, R7E
#1 Newton Sheep Co.	1780' FSL & 1220' FEL	Sec. 4, T2N, R7E
Newton Sheep #2	860' FNL & 1980' FEL	Sec. 9, T2N, R7E

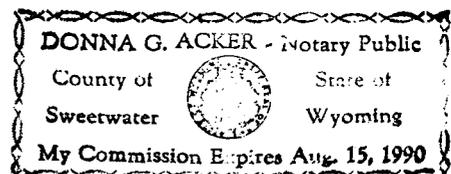
Of these wells, only the Newton Sheep #2 and #1 Newton Sheep Company penetrated the Nugget formation. In all cases, adequate isolation exists to prevent fluid migration into improper intervals.

12. Champlin Petroleum Company hereby certifies that a copy of the DOGM-UIC-1 Application for Injection Well has been sent to the following surface owners, lease owners, and operators.

Before me, Donna G. Acker, a Notary Public in and for Sweetwater County, State of Wyoming, personally appeared Keith J. Novich and he being first duly sworn by me upon his oath, says that the facts alleged in the foregoing instrument are true.

Witness my hand and official seal.

Donna G. Acker  
 Notary Public



My commission expires: August 15, 1990

Surface Owners:

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

Cecil Eugene Clark  
P.O. Box 247  
Coalville, UT 84017

Roberta A. Clark  
3410 East Chalk Creek Road  
Coalville, UT 84107

Wayne A. Jones  
3328 Chalk Creek Road  
Coalville, UT 84017

Operators:

Champlin Petroleum Company  
P.O. Box 700  
Rock Springs, WY 82902-0700

Lease Owners:

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

American Quasar Petroleum Company  
3909 South Hulen, Suite 400  
Fort Worth, TX 76107

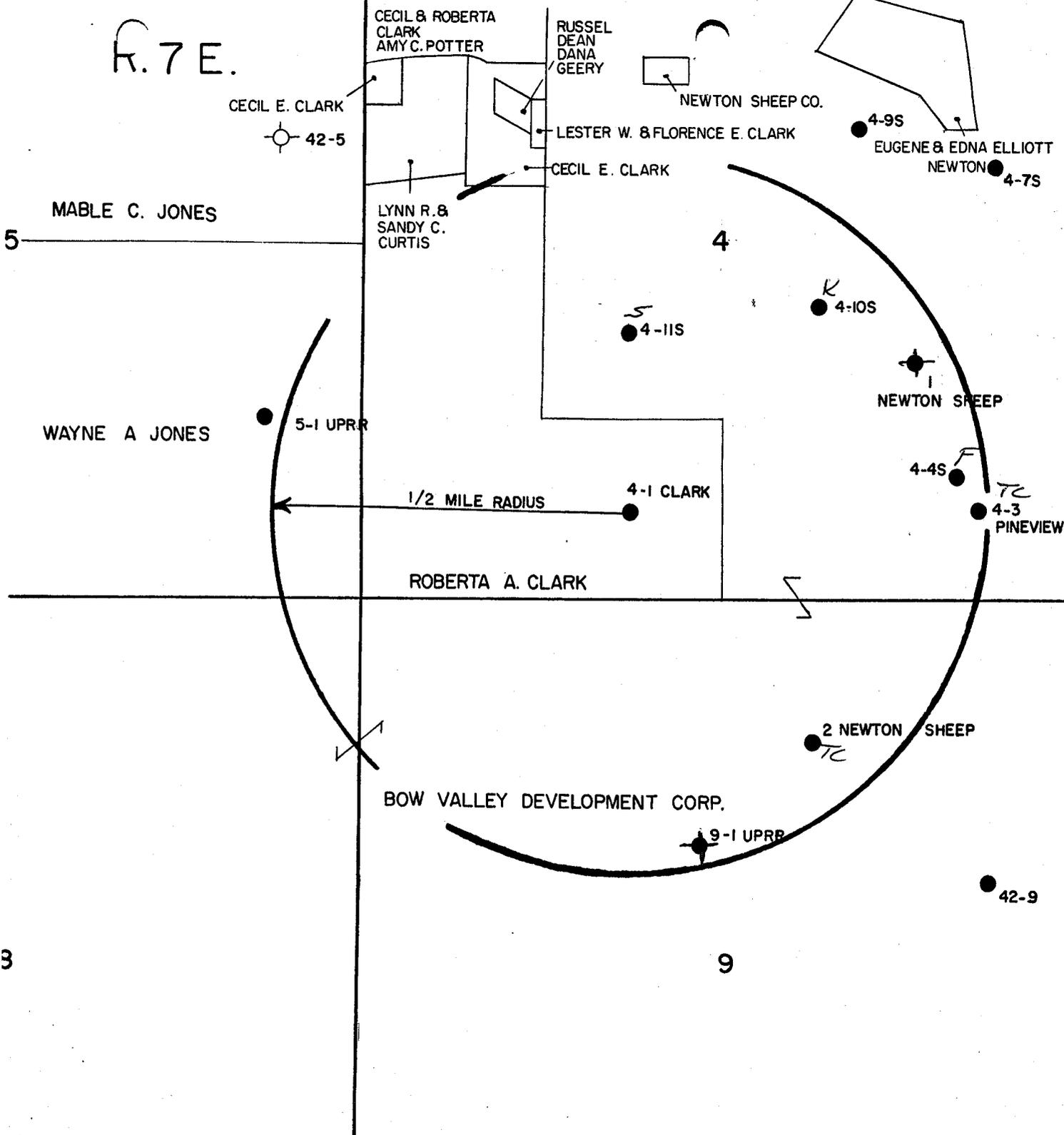
Amoco Production Company  
P.O. Box 829  
Evanston, WY 82930

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

Sun Exploration & Production Company  
P.O. Box 5940, Terminal Annex  
Denver, CO 80217-5940

Quinoco  
P.O. Box 378111  
Denver, CO 80237

R.7E.



T.2N.  
R.7E.

T.2N.-R.7E.  
PINEVIEW FIELD  
SUMMIT COUNTY UTAH

PROPOSED 4-1 CLARK SALT  
WATER DISPOSAL WELL

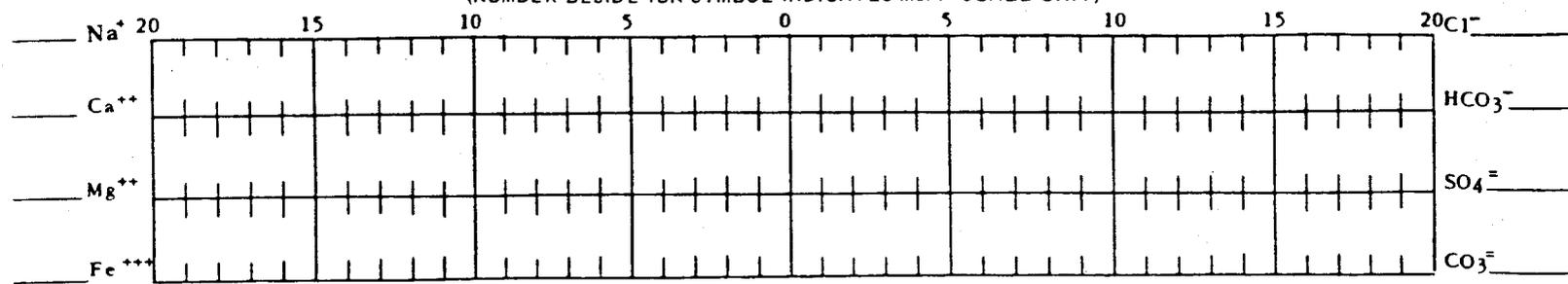
1"=1000'

3/87

**BAROID TREATING CHEMICALS**

COMPANY <b>Champlin Petroleum</b>							SHEET NUMBER
FIELD <b>Pineview</b>							DATE <b>2/19/87</b>
LEASE OR UNIT <b>Transfer Plant</b>				WELL(S) NAME OR NO.		STATE <b>Utah</b>	
DEPTH. FT.		BHT. F	SAMPLE SOURCE <b>Filter outlet</b>	TEMP. F	WATER, BBL/DAY	OIL, BBL/DAY	GAS, MMCF/DAY
DATE SAMPLED <b>2/19/87</b>		TYPE OF WATER					
		<input 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	88	
Calcium, Ca <sup>++</sup>	49.6	992
Magnesium, Mg <sup>++</sup>	38.4	468.48
Iron (Total) Fe <sup>+++</sup>		10
Barium, Ba <sup>++</sup>		
Sodium, Na <sup>+</sup> (calc.)	294.13	6764.99

**DISSOLVED GASES**

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

**PHYSICAL PROPERTIES**

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

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

**SUSPENDED SOLIDS (QUALITATIVE)**

Iron Sulfide     Iron Oxide     Calcium Carbonate     Acid Insoluble

**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.

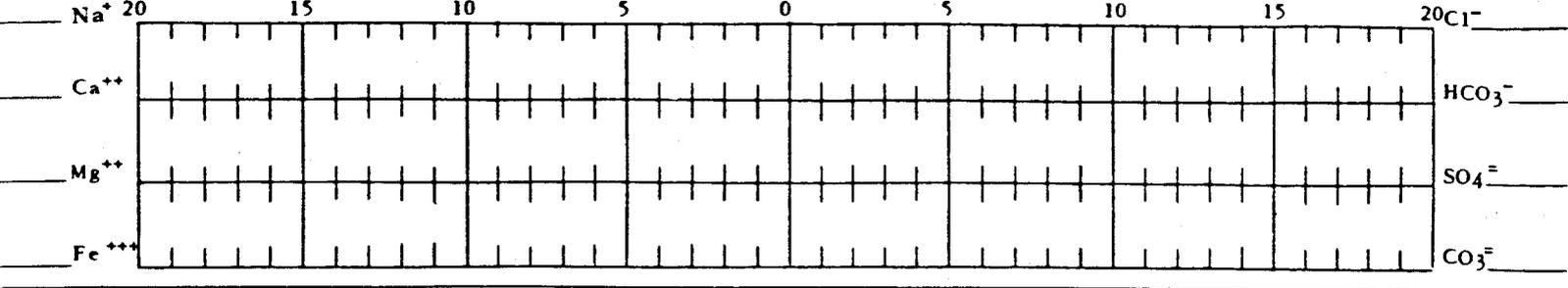
ETC ENGINEER <b>Patrick O'Rourke</b>	DIST. NO. <b>810</b>	ADDRESS <b>Evanston, Wy.</b>	OFFICE PHONE <b>(307) 789-1355</b>	HOME PHONE <b>789-6541</b>
ANALYZED	DATE	DISTRIBUTION	<input type="checkbox"/> CUSTOMER <input type="checkbox"/> AREA OR <input type="checkbox"/> DISTRICT OFFICE <input type="checkbox"/>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

**BAROID TREATING CHEMICALS**

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

**WATER ANALYSIS PATTERN**

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



**DISSOLVED SOLIDS**

**DISSOLVED GASES**

CATIONS	me/l*	mg/l*
Total Hardness	<u>122</u>	<u>1240</u>
Calcium, Ca <sup>++</sup>	<u>62</u>	<u>732</u>
Magnesium, Mg <sup>++</sup>	<u>60</u>	<u>75</u>
Iron (Total) Fe <sup>+++</sup>	<u>-</u>	<u>-</u>
Barium, Ba <sup>++</sup>	<u>-</u>	<u>-</u>
Sodium, Na <sup>+</sup> (calc.)	<u>315.57</u>	<u>7258.11</u>

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

**PHYSICAL PROPERTIES**

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

ANIONS	me/l*	mg/l*
Chloride, Cl <sup>-</sup>	<u>512.68</u>	<u>18200</u>
Sulfate, SO <sub>4</sub> <sup>=</sup>	<u>33.33</u>	<u>1600</u>
Carbonate, CO <sub>3</sub> <sup>=</sup>	<u>0</u>	<u>0</u>
Bicarbonate, HCO <sub>3</sub> <sup>=</sup>	<u>13.56</u>	<u>826.9</u>
Hydroxyl, OH <sup>-</sup>	<u>0</u>	<u>0</u>
Sulfide, S <sup>=</sup>	<u>0</u>	<u>0</u>

**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 <b>Patrick O'Rourke</b>	DIST. NO. <b>810</b>	ADDRESS <b>Evanston, Wyo.</b>	OFFICE PHONE <b>(307) 789-1355</b>	HOME PHONE <b>789-6541</b>
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 LAB <input type="checkbox"/> BTC SALES SUPERVISOR		

**JAR ID TREATING CHEMICALS**

SHEET NUMBER

DATE

2/19/87

STATE

Utah

COMPANY  
Champlin Petroleum

FIELD  
Pineview

COUNTY OR PARISH

Summit

WATER SOURCE (FORMATION)

Frontier

WELL(S) NAME OR NO.

4-4

LEASE OR UNIT

DEPTH, FT.

BHT, F

SAMPLE SOURCE

Treater

TEMP, F

WATER, BBL/DAY

OIL, BBL/DAY

GAS, MMCF/DAY

DATE SAMPLED

2/19/87

TYPE OF WATER

PRODUCED

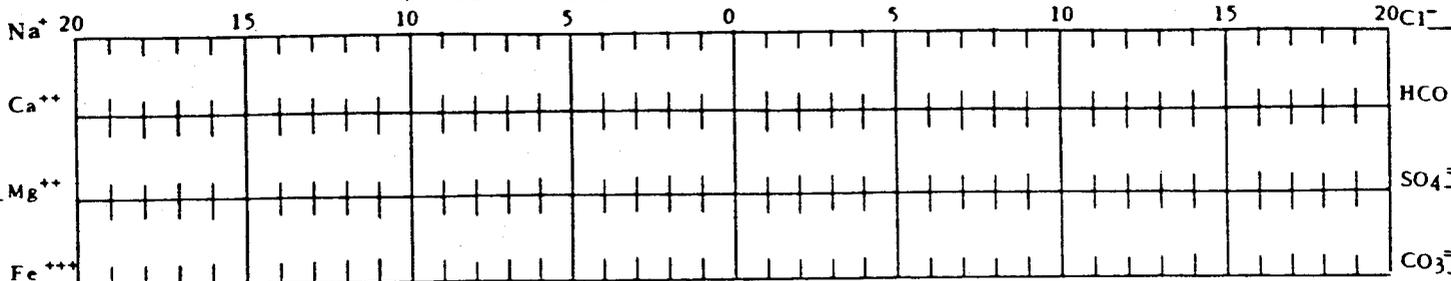
SUPPLY

WATERFLOOD

SALT WATER DISPOSAL

**WATER ANALYSIS PATTERN**

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



**DISSOLVED SOLIDS**

CATIONS	me/l*	mg/l*
Total Hardness	10	-
Calcium, Ca <sup>++</sup>	8	160
Magnesium, Mg <sup>++</sup>	2	24.4
Iron (Total) Fe <sup>+++</sup>	-	5
Barium, Ba <sup>++</sup>	-	-
Sodium, Na <sup>+</sup> (calc.)	82.99	1908.77

**DISSOLVED GASES**

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

**PHYSICAL PROPERTIES**

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

**SUSPENDED SOLIDS (QUALITATIVE)**

Iron Sulfide  Iron Oxide  Calcium Carbonate  Acid Insoluble

**REMARKS AND RECOMMENDATIONS:**

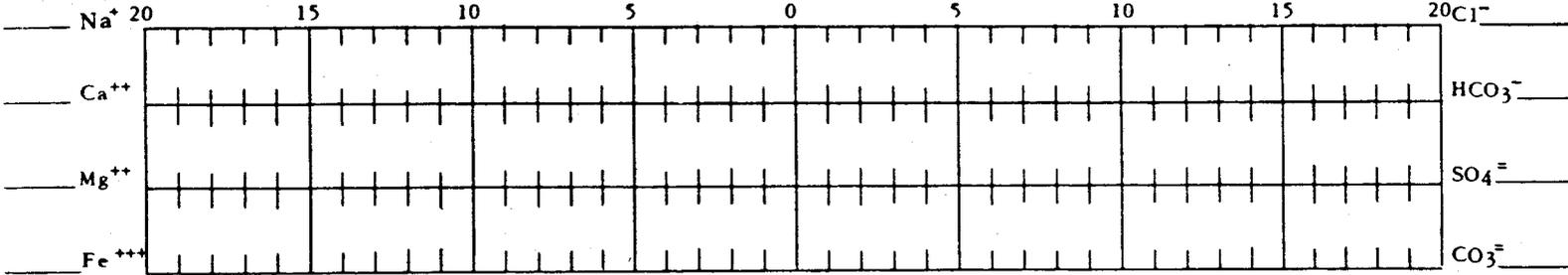
\*NOTE: me/l and mg/l are commonly used interchangeably for epm and ppm respectively. Where epm and ppm are used, corrections should be made for specific gravity.

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

**BAROID TREATING CHEMICALS**

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

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



**DISSOLVED SOLIDS**

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

**DISSOLVED GASES**

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

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

**PHYSICAL PROPERTIES**

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

**SUSPENDED SOLIDS (QUALITATIVE)**

Iron Sulfide     Iron Oxide     Calcium Carbonate     Acid Insoluble

**REMARKS AND RECOMMENDATIONS:**

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

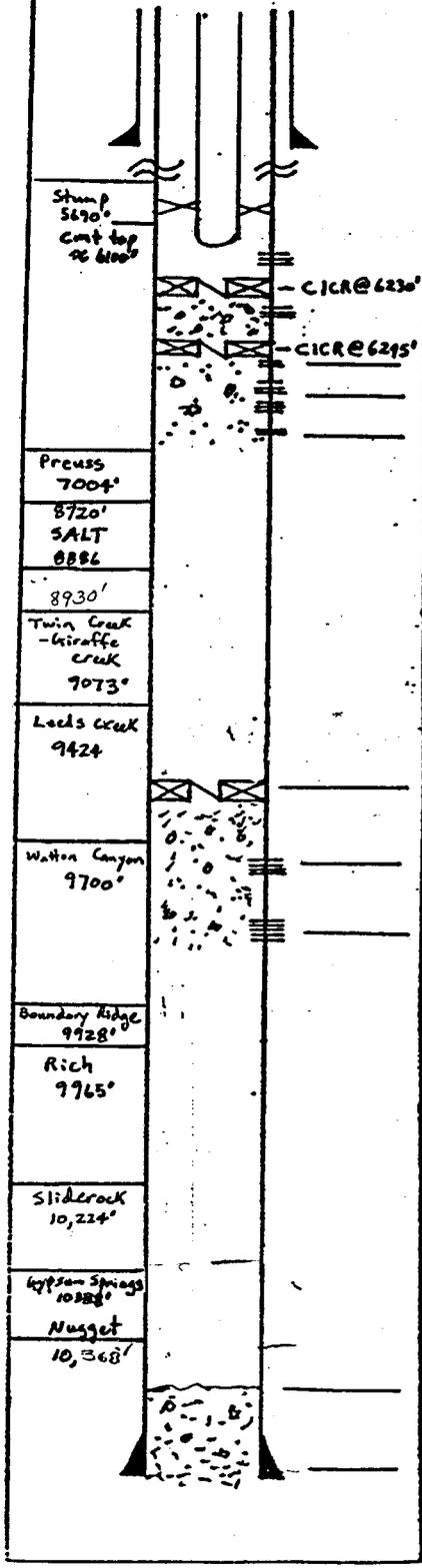
BTC ENGINEER <b>Patrick O'Rourke</b>	DIST. NO. <b>810</b>	ADDRESS <b>Evanston, Wyoming</b>	OFFICE PHONE <b>(307) 789-1355</b>	HOME PHONE
ANALYZED	DATE <b>3/9/87</b>	DISTRIBUTION <input type="checkbox"/> CUSTOMER <input type="checkbox"/> AREA OR <input type="checkbox"/> DISTRICT OFFICE <input type="checkbox"/> BTC ENGINEER OR <input type="checkbox"/> BTC LAB <input type="checkbox"/> BTC SALES SUPERVISOR		



WELLBORE DIAGRAM

PRESENT STATUS

Location 600' FSL 1980' FWL S. 4 T. 2N R. 7E Well # Clark 4-1  
 Co. Summit, State Utah API # 43-043-30071 Field Pineview Field  
 Spud 2/1/78 Comp. 6/7/78 WI \_\_\_\_\_ RI \_\_\_\_\_ Lease \_\_\_\_\_  
 CR 6619' KB 6636' TD 10,580' PBD 6230' Formation Stamp



All depths KB - NOT TO SCALE

9 5/8" csq @ 1508'	36 and 40# K-55
SN @ 6165'	
Baker Tubing anchor @ 6166'	
6196'-6210'	2 SPF
6242'-6250'	2 SPF
Sqz perf @ 6800'	
6328-6338', 6346-6356'	2 SPF
Sqz perf @ 6450'	
<u>TUBING</u>	
2 7/8" 6.5# N80 EUE 8rd	200 jts
with gas anchor	
Baker Tbg anchor @ 6166'	
SN @ 6165'	
CICR @ 9500'	
9787-9797'	2 SPF
9813-9888'	2 SPF
<u>CASING</u>	
13 3/8" 48# H-40	0 - 75'
9 5/8" 36 & 40# K55	0 - 1508' 36 jts
5 1/2" 17# N80 LT&C	0 - 1826' 44 jts
17# K55 LT&C	1826' - 6471' 116 jts
17# S95 LT&C	6471' - 10,580' 99 jts
Original	
PBD 10,535'	FC @ 10,536'
TD - 10,580'	
5 1/2" csq @ 10,580'	

BRE 2/18/86

PROPOSED WELLBORE

Location 600' FSL 1980' FWL S. 4 T. 2N R. 7E Well # Clark 4-1 SWDW  
 Co. Summit, State Utah API # 43-043-30071 Field Pineview Field  
 Spud 2/1/78 Comp. WI RI RI Lease                       
 GR 6619' KB 6636' TD 10,580' PBDT 10,535' Formation Nugget

STUMP  
5690'

9 5/8" 36 & 90# K-55 at 1508'

Currently open Perfs 6196-6210' Squeeze w/100 SX

Previously Squeezed Perfs 6242-6252'

Previous Squeeze Perf 6300'

Previously Squeezed Perfs 6328-6338', 6346-6356'

Previous Squeeze Perf at 6450'

Previously Squeezed Perfs 9787-9797'

Previously Squeezed Perfs 9813-9888'

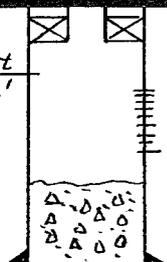
2 7/8" 6.5# Internally Plastic Coated Tubing 8rd EUE  
 Retrivable packer at ± 10,300'

Proposed Perforations 10,412-10,535' 4 JSPF

PBDT = 10,535' Float Collar 10,536'

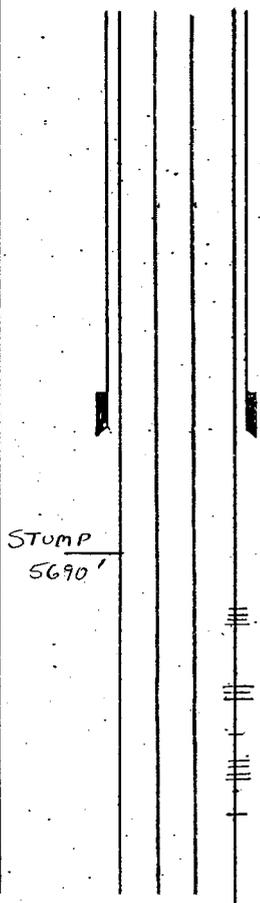
TD 10,580'

Nugget  
10,368'



PROPOSED WELLBORE

Location 600' FSL 1960' FWL S. 4 T. 2N R. 7E Well # Clark 4-1 SWDW  
 Co. Summit, State Utah API # 43-043-30071 Field Pineview Field  
 Spud 2/1/78 Comp. WI RI RI Lease                       
 GR 6619' KB 6636' TD 10,580' PBD 10,535' Formation Nugget



9 5/8" 36 & 40# K-55 at 1508'

Currently open Perfs 6196-6210' Squeeze w/100 SX

Previously Squeezed Perfs 6242-6252'

Previous Squeeze Perf 6300'

Previously Squeezed Perfs 6328-6338', 6346-6356'

Previous Squeeze Perf at 6450'

Previously Squeezed Perfs 9787-9797'

Previously Squeezed Perfs 9813-9888'

2 7/8" 6.5# Internally Plastic Coated Tubing 8rd EUE  
 Retrivable packer at ± 10,300'

Proposed Perforations 10,412-10,535' 4 JSPF

PBD = 10,535' Float Collar 10,536'

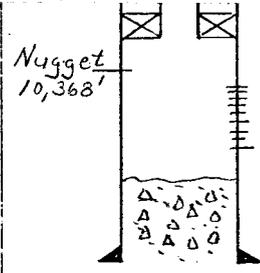
TD 10,580'

Basis  
 for P&A

on Stump &  
 Twin Creek

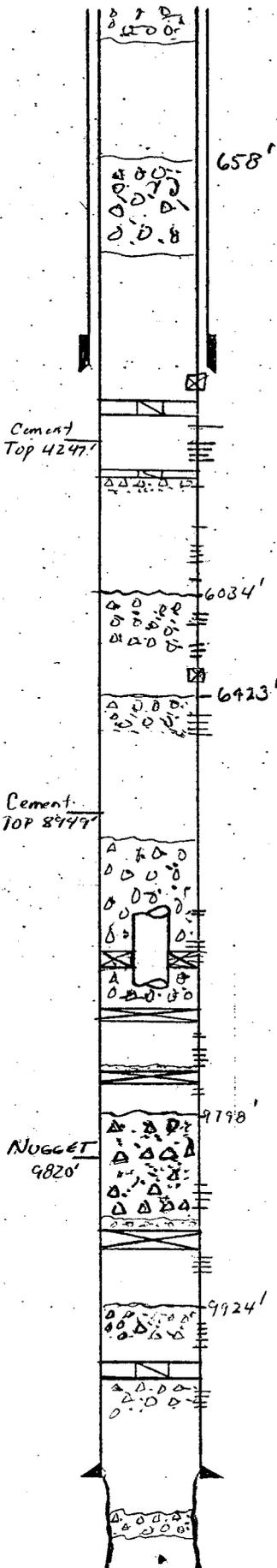
Zones.

Now a water  
 Disposal Well





Location 1780' FS L 1220' FEL S. 4 T. 2N R. 7E Well # #1 Newton Sheep Company  
 Co. Summit, State Utah API # 43-043-30006 Field Pineview  
 Spud 12/21/73 Comp. 1175 WI RI Lease Newton Sheep  
 GR KB 6555' TD 14,500' PBTD P&A Formation P&A



10 SX surface plug

40 SX plug

658'

1 3/8" 59.5# K-55 @ 1708' CEMENTED w/1580 SX  
 DV @ 2315' Cement TO SURFACE.  
 Retainer @ 4200' Squeezed w/100 SX  
 4 holes at 4290' Squeezed w/100 SX  
 4366-4380' 2 SPF  
 Retainer @ 4410' Squeezed w/100 SX  
 4 holes at 4425'

4 holes at 5982' Squeezed w/150 SX  
 5995-6012' 2 SPF  
 4 holes @ 6070'

6034'

6142-6148' 4 SPF } Squeezed w/125 SX  
 6159-6166' 4 SPF }  
 DV Tool @ 6167'

6423'

6495-6518' 2 SPF Squeezed w/150 SX

Cement top 8879' Squeezed w/300 SX

Drilled out cement retainer @ 9143' Squeezed w/67 SX  
 8 holes 9190-9192' Squeezed with 30 SX

9280-9340' 2 SPF  
 CIBP at 9323' with tubing stub  
 CIBP at 9370' w/25X on top  
 8 holes 9380-9382'  
 9432-9472' w/4 SPF  
 Cast iron bridge plug @ 9640' w/25X on top  
 8 holes 9665-9667'

9798'

9830-9880' 2-SPF Squeezed w/225 SX  
 Baker Model N at 9902' w/25X on top  
 9908-9918' 4-SPF

9924'

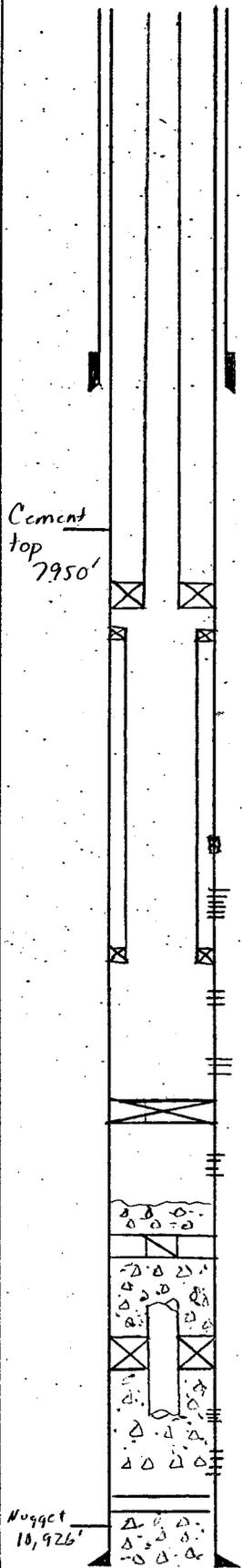
9928-9931' 4 SPF } Squeezed w/100 SX  
 9931-9936' 2 SPF }  
 Cement retainer at 10,000' Squeezed w/49 SX  
 10,024-10,036'

9 5/8" 40 # 43.5 # S-95 & CYN 80 @ 10,989' Cmt w/365 SX

80 SX. cmt. plug AT 11,325' - 11,525'  
 TD 14,500'

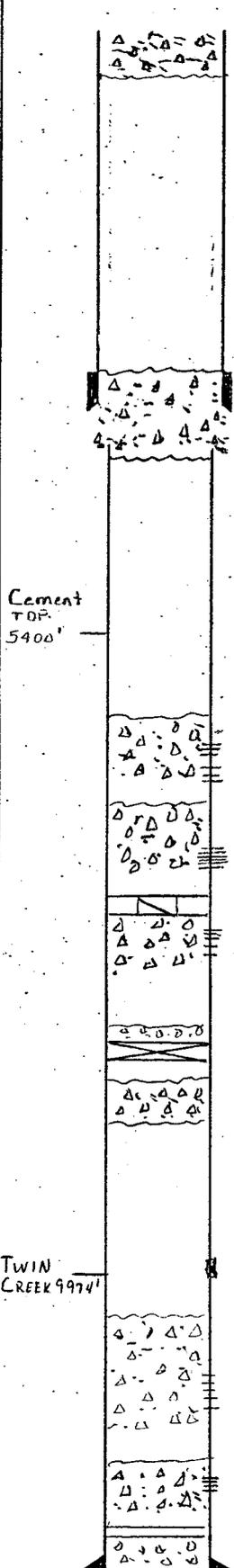
RJN 2-17-87

Location 860' FNL 1980' FEL S. 9 T. 2N R. 7E Well # Newton Sheep #2  
 Co. Summit, State Utah API # 43-043-30048 Field Pineview  
 Spud 5/28/77 Comp. 9/77 WI 100% RI          Lease Newton Sheep  
 GR 6983' KB 6993' TD 10,956' PBDT 9980' Formation NA



9 5/8" 36# K-55 set at 2500'	Cemented w/1200 SX
283 jts 2 7/8" 6.5# M-80 8rd EUE +bg.	
Baker R-3 at 8832'	
PRC packer at 8873'	
3 1/2" 15.8# PH-6 hybrid C-75/L-50 scab liner	
DV tool at 9522'	
9550'-9650' 1 JS/2 Ft	
DL Hanger Packer @ 9800'	
9860-9866' 4SPF	
9923-9929' 4SPF	
Baker CIBP at 9980'	
9989-9994' 4SPF	
5 SX on top of retainer	
Baker K-1 Cement Retainer at 10,219'	Squeezed w/100 SX
TOP of 30' tubing sub @ 10,241'	
Baker Permanent Packer @ 10,248'	
10,300 - 10,340' 1SPF	
10,370 - 10,420' 1SPF	
Floot Collar 10,869'	
TD 10,956'	
	5 1/2" CASING
	17# and 20# N-80 FPI10 casing
	Cemented with 1500 SX

Location 1723 'FNL 2487' FWL S. 9 T. 2N R. 7E Well # UPRR 9-1  
 Co. Summit, State Utah API # 43-043-30104 Field Pineview  
 Spud 7/22/79 Comp. 15/80 WI RI Lease UPRR  
 GR 7200' KB 7216' TD 11,050' PBTD P&A Formation NA



Cement  
TOP  
5400'

TWIN  
CREEK 9974'

30 SX surface plug.

9 5/8" 36# K-55 Set at 2010'  
 200' cement plug one half in & one half out surface casing  
 Cut off & pulled 5 1/2" casing at 2051'

SQUEEZED WITH 50 SX TOP 6335'  
 Stump 6384' - 6398'  
 6456 - 6466'

SQUEEZED WITH 50 SX AT 6435'  
 Stump 6672 - 6718'

Retainer at 6775' SQUEEZED WITH 100 SX  
 Stump 6816 - 6831'

CIBP AT 7100' w/ 25 SX cement.  
 Spotted 25 SX plug 7120 - 7235'

DV collar at 9970'

SQUEEZED WITH 200 SX

5 1/2" CASING

Perforated 10,696 - 10,925' gross

17# 20# N-80 5595

Set at 11,050'

Cemented with 3085 SX

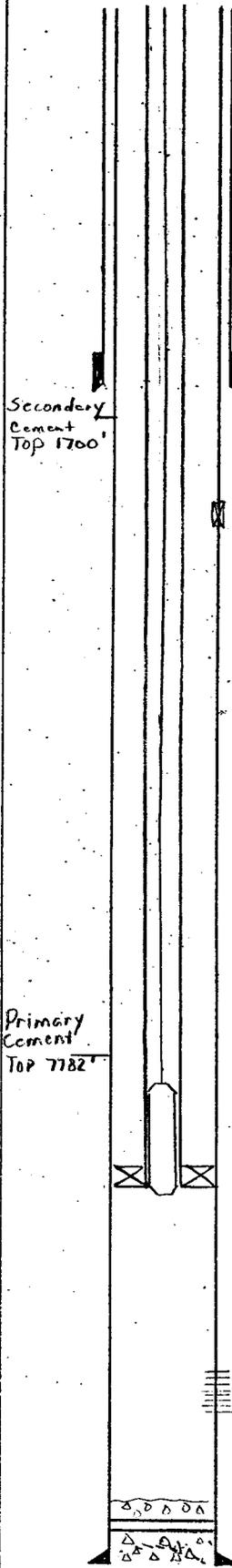
4 holes @ 10,955' SQUEEZED WITH 200 SX

Float collar 11,004'

TD 11,050'

RSN 2-12-87

Location 663' FEL 722' FSL S. 4 T. 2N R. 7E Well # Pineview 4-3  
 Co. Summit, State Utah API # 43-043-30077 Field Pineview  
 Spud 7/31/78 Comp. 11/78 WI 20,625 RI \_\_\_\_\_ Lease \_\_\_\_\_  
 GR 6612' KB 6629' TD 9830' PBD 9738' Formation TWIN CREEK



Secondary  
Cement  
Top 1700'

Primary  
Cement  
Top 7782'

RODS

(4) 1"  
 (170) 3/4"  
 (87) 7/8"  
 (74) 1"

9 5/8" 40# K-55 S-80 AT 1558' KA  
 Cemented w/575 SX

DV tool at 3313'

271 JTS 2 7/8" N-80 8.1 d EUE  
 Tubing Anchor at 8462'

Twin Creek - Watton Canyon 19 shots 9347-9525'  
 5 1/2" CASING

PBD 9738'  
 Float Collar 9784'  
 TD 9830'  
 9061-9830' 17# N-80 LTC  
 8057-9061' 20# S-95 LTC  
 1989-8057' 17# K-55 LTC  
 0-1989' 17# N-80 LTC

Landed at 9830' Cemented with 1330 SX

Location 909' FSL 829' FEL S. 4 T. 2N R. 7E Well # Pineview 4-4  
 Co. Summit, State Utah API # 43-043-30083 Field Pineview  
 Spud 9/20/78 Comp. 11/78 WI \_\_\_\_\_ RI \_\_\_\_\_ Lease Newton Sheep  
 GR 66.11' KB 6623' TD 3156' PBD 2909' Formation Frontier

RODS  
 (4) 1"  
 (107) 3/4"

Cement  
 Top 2180'

9 5/8" 40# K-55 STC set at 419'  
 Cemented w/140 SX

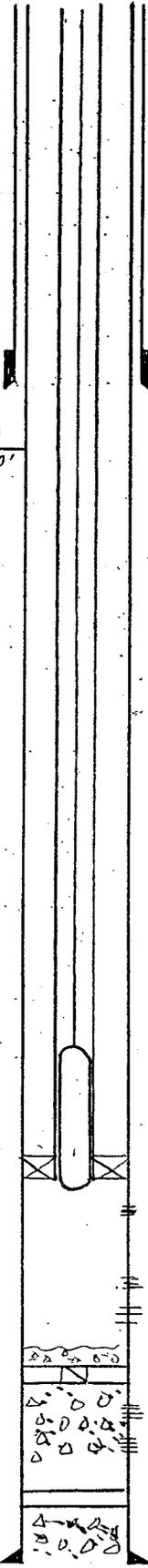
88 JTS 2 7/8" 6.5# N-80 8rd  
 Tubing Anchor @ 2719'  
 4 holes at 2749' SQUEEZED w/128 SX

Frontier 2784-2832'  
 2862-2882'

PBD 2909'  
 Cement Retainer at 2910' SQUEEZED w/150 SX

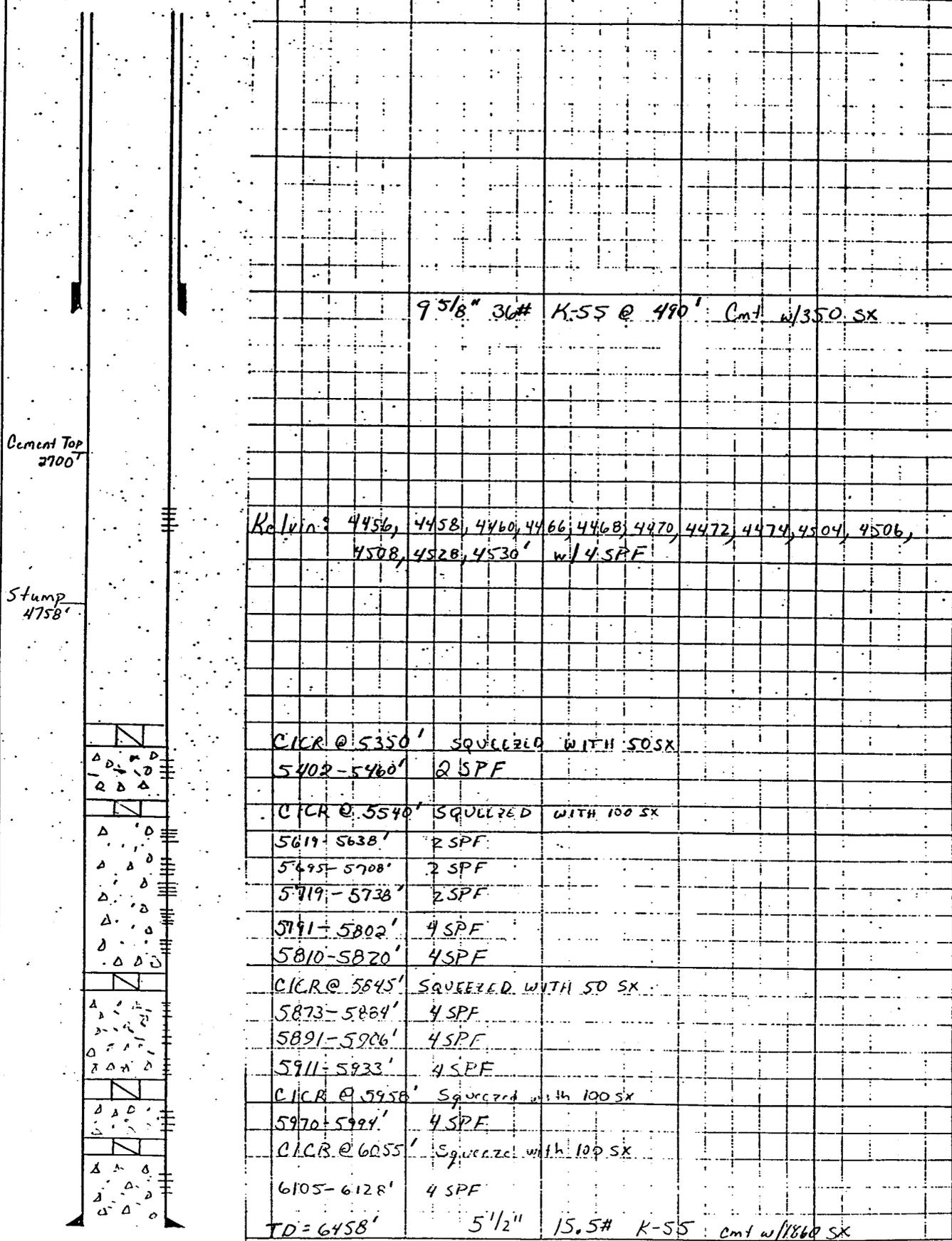
WANSHIP 2930-2942'  
 2947-2980'

Float Collar 3113'  
 5 1/2" 23# N-80 and K-55 Cemented with 200 SX  
 TD 3156'



RJN 2-12-87

Location 2163' FS L 1990' FEL S. 4 T. 2N R. 7E Well # Newton Sheep 4-105  
 Co. Summit, State UT API # 43-043-30133 Field Pineview  
 Spud 4/80 Comp. 6/80 WI 20.625 RI \_\_\_\_\_ Lease Newton Sheep  
 GR 6514' KB 6530' TD 6458' PBD 5350' Formation Kelvin



9 5/8" 36# K-55 @ 490' Cmt w/350 SX

Kelvin: 4456, 4458, 4460, 4466, 4468, 4470, 4472, 4474, 4504, 4506, 4508, 4528, 4530' w/4 SPF

C.I.C.R. @ 5350' SQUEEZED WITH 50 SX  
 5402-5460' 2 SPF

C.I.C.R. @ 5540' SQUEEZED WITH 100 SX  
 5619-5638' 2 SPF

5495-5708' 2 SPF  
 5719-5738' 2 SPF

5791-5802' 4 SPF  
 5810-5820' 4 SPF

C.I.C.R. @ 5845' SQUEEZED WITH 50 SX  
 5873-5884' 4 SPF  
 5891-5906' 4 SPF  
 5911-5923' 4 SPF

C.I.C.R. @ 5958' Squeezed with 100 SX  
 5970-5994' 4 SPF

C.I.C.R. @ 6055' Squeezed with 100 SX  
 6105-6128' 4 SPF

TD = 6458' 5 1/2" 15.5# K-55 Cmt w/1860 SX

KJN 1-20-89

Location 1980' FSL 1980' FWL S. 4 T. 2N R. 7E Well # Newton Sheep 4-11 S  
 Co. Summit, State Utah API # 43-043-30239 Field Pineview  
 Spud 9/20/83 Comp. 12/83 WI RI Lease Newton Sheep  
 GR 6491' KB 6507' TD 7137' PBDT 6510' Formation Stump

Cement  
Top 1530'

9 5/8" 40# 43.5# S-95 # L-80 at 638'  
Cemented with 395 SX

Rods (170) 3/4"  
(55) 7/8"  
(4) 1"

191 jts 2 7/8" 6.5# N-80 8rd EUE  
Tubing Anchor at 5847' 1.50" pump

Stump 5874-5918'

PBDT 6510'  
5 1/2" 17# K-55 at 6688' Cemented with 2600 SX.  
KSN 2-12-87

TD 7137'

This publication was sent to the following:

X Newspaper Agency  
Legal Advertising  
Mezzanine Floor  
143 South Main  
Salt Lake City, Utah 84111

X The Park Record  
PO Box 3688  
Park City, Utah 84060  
Legal Advertising

U.S. Environmental Protection Agency  
Region VIII  
999 18th Street - Suite 500  
Denver, Colorado 80202-2405

Bureau of Land Management  
Consolidated Financial Center  
324 South State Street  
Salt Lake City, Utah 84111-2303

Cecil Eugene Clark  
PO Box 247  
Coalville, Utah 84017

Roberta A. Clark  
3410 East Chalk Creek Road  
Coalville, Utah 84107

Wayne A. Jones  
3328 Chalk Creek Road  
Coalville, Utah 84017

Champlin Petroleum Company  
PO Box 700  
Rock Springs, Wyoming 82902-0700

Conquest Exploration Company  
4201 FM 1960W, SUITE 500  
HOUSTON, TEXAS 77068

American Quasar Petroleum Company  
3909 South Hulen, Suite 400  
Fort Worth, Texas 76107

Amoco Production Company  
PO Box 829  
Evanston, Wyoming 82930

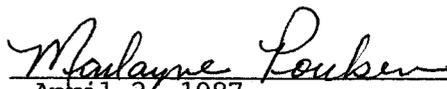
North Central Oil Corporation  
60001' Savoy, Suite 600  
Houston, Texas 77306

Sun Exploraiton and Production Company  
PO Box 5940, Terminal Annex  
Denver, Colorado 80217-5940

Quinco  
PO Box 387111  
Denver, Colorado 80237

Utah State Department of Health  
Water Pollution Control  
288 N. 1480 W.  
PO Box 16690  
Salt Lake City, Utah 84114  
Attn: Loren Morton

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

  
April 2, 1987



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

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

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

April 2, 1987

The Park Record  
P.O. Box 3688  
Park City, Utah 84060  
Legal Advertising

Gentlemen:

RE: Cause No. UIC-095

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

It is requested that this notice be published ONCE ONLY, as soon as possible, but no later than the 9th day of April, 1987. In the event that said notice cannot be published by this date, please notify me immediately by calling 538-5340.

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

Sincerely,

*Marjorie L. Anderson*  
for  
Marjorie L. Anderson  
Administrative Assistant

mfp

Enclosure



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

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

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

April 2, 1987

Newspaper Agency Corporation  
Legal Advertising  
143 South Main - Mezzanine Floor  
Salt Lake City, Utah 84111

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Sincerely,

*Marjorie L. Anderson*  
for  
Marjorie L. Anderson  
Administrative Assistant

mfp

Enclosure

To Whom It May Concern:

Until All damages existing damages are handled I totally object to granting of permit to convert CLARK 4-1 LOCATED IN SECTION 4 TOWNSHIP 2 NORTH RANGE 7 EAST SLM Summit County to a salt water disposal WELL.

I have had problems with the oil companies before and have been totally disregarded when I have complained.

Cecil E Clark  
Box 247  
Coalville Utah  
84017  
336-2624

**RECEIVED**  
APR 08 1987

DIVISION OF  
OIL, GAS & MINING



116 State Capitol Building  
Salt Lake City, UT 84114  
Telephone 801-533-5245

## office of planning and budget

Norman H. Bangerter, Governor Dale C. Hatch, C.P.A., J.D., Director Michael E. Christensen, Ph.D., Deputy Director

**RECEIVED**  
APR 15 1987

**DIVISION OF  
OIL, GAS & MINING**

April 14, 1987

Gil Hunt  
Division of Oil, Gas and Mining  
3 Triad Center, Suite 350  
355 West North Temple  
Salt Lake City, Utah 84180-1203

SUBJECT: Pineview Field Saltwater Disposal Project  
State Application Identifier #UT870408-020

Dear Gil:

The Resource Development Coordinating Committee of the State of Utah has reviewed this proposed action and no comments have been indicated.

Thank you for the opportunity of reviewing this document. Please address any other questions regarding this correspondence to Carolyn Wright (801) 533-4971.

Sincerely,

*Michael E. Christensen*

Michael E. Christensen  
Deputy Director

MEC/cw

RECEIVED  
APR 22 1987

DIVISION OF  
OIL, GAS & MINING



NORMAN H. BANGERTER  
GOVERNOR



STATE OF UTAH  
DEPARTMENT OF COMMUNITY AND  
ECONOMIC DEVELOPMENT

April 16, 1987

Division of  
State History  
(UTAH STATE HISTORICAL SOCIETY)

MAX J. EVANS, DIRECTOR  
300 RIO GRANDE  
SALT LAKE CITY, UTAH 84101-1182  
TELEPHONE 801 / 533-5755

Gil Hunt  
UIC Program Manager  
Division of Oil, Gas & Mining  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

RE: Pineview Field Saltwater Disposal Project

In Reply Please Refer to Case No. J797

Dear Mr. Hunt:

The staff of the Utah Preservation Office has reviewed the above referenced project which was received from the State Resource Development Coordinating Committee on April 9. From your telephone conversation of April 13 with Charles Shepherd of the Preservation Office, we understand that there will be no additional ground-disturbing activities involved with the proposed conversion of an existing well for salt water disposal. We would be able to concur with a determination of no effect for this proposed action.

The above is provided on request for assistance as outlined by 36 CFR 800 or Utah Code, Title 63-18-37. If you have questions or need additional assistance, please contact Charles Shepherd at (801) 533-7039.

Sincerely,

Max J. Evans  
Director and  
State Historic Preservation Officer

CMS:jrc:J797/4029V

xc: Chairperson, Resource Development Coordinating Committee, State Planning  
Office, 118 State Capitol, Salt Lake City, Utah 84114

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

---oo0oo---

IN THE MATTER OF THE APPLICATION :  
OF CHAMPLIN PETROLEUM COMPANY FOR :  
ADMINISTRATIVE APPROVAL TO :  
CONVERT THE CLARK #4-1 WELL, CAUSE NO. UIC-095  
LOCATED IN SECTION 4, TOWNSHIP 2 :  
NORTH, RANGE 7 EAST, S.L.M., :  
SUMMIT COUNTY, UTAH TO A SALTWATER :  
DISPOSAL WELL :

---oo0oo---

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

Notice is hereby given that Champlin Petroleum Company has  
requested administrative approval from the Division to convert the  
following well to a saltwater disposal well:

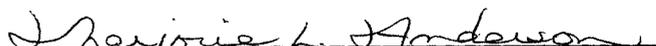
Clark #4-1  
Section 4, Township 2 North, Range 7 East, S.L.M.  
Summit County, Utah

INJECTION INTERVAL: Nugget Formation 10,368' to 10,535'  
MAXIMUM SURFACE PRESSURE: 2500 psig  
MAXIMUM WATER INJECTION RATE: 10,000 BWP

Approval of this application will be granted unless objections are  
filed with the Division of Oil, Gas and Mining within fifteen days  
after publication of this Notice. Objections, if any, should be  
mailed to the Division of Oil, Gas and Mining, Attention: UIC Program  
Manager, 3 Triad Center, Suite 350, 355 West North Temple, Salt Lake  
City, Utah 84180-1203.

DATED this 1st day of April, 1987.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

  
MARJORIE L. ANDERSON  
Administrative Assistant

STATE ACTIONS

Mail to:  
Grants Coordinator  
State Clearinghouse  
116 State Capitol, SLC, Ut, 84114  
533-4971

1. Administering State Agency STATE OF UTAH NATURAL RESOURCES OIL, GAS, & MINING 3 TRIAD CENTER, SUITE 350 SALT LAKE CITY, UTAH 84180-1203	2. State Application Identifier Number: (assigned by State Clearinghouse)  3. Approximate date project will start:  APRIL 24, 1987
---	---

4. Areawide clearinghouse(s) receiving State Action:  
 (to be sent out by agency in block 1)  
 MOUNTAINLANDS ASSOCIATION OF GOVERNMENTS  
 Attn: Homer Chandler  
 160 East Center, Provo, Utah 84601

5. Type of action:  Lease  Permit  License  Land Aquisition  
 Land Sale  Land Exchange  Other \_\_\_\_\_

6. Title of proposed action:  
 Pineview Field saltwater disposal project

7. Description:  
  
 Approval for possible conversion of one shut in-oil and gas well to a saltwater disposal well for the purpose of reinjecting saltwater and thereby disposing of it

8. Land affected (site location map required) (indicate county)  
 Clark #4-1  
 Section 4, Township 2 North, Range 7 East Summit County, Utah

9. Has the local government(s) been contacted?  
  
 Yes

10. Possible significant impacts likely to occur:  
  
 None

11. Name and phone number of district representative from your agency near project site, if applicable:  
  
 N/A

12. For further information, contact:  Gil Hunt Phone: 538-5340	13. Signature and title of authorized officer  Date: 4/6/87
--	---



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

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

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

April 24, 1987

Mr. Cecil Clark  
P.O. Box 247  
Coalville, Utah 84017

Dear Mr. Clark:

RE: Application to Convert the Clark 4-1 Well to a Saltwater Disposal Well

The Division received a letter from you protesting the conversion of the Clark 4-1 well located in Sec. 4, Township 2 North, Range 7 East, to a disposal well. In this letter you refer to past activities and problems created by oil companies. If you are in objection to the conversion and use of the particular well as a disposal well, please send in another letter addressing those particular concerns.

If you have any questions, please call.

Sincerely,

A handwritten signature in black ink, appearing to read "Gil Hunt".

Gil Hunt  
UIC Manager

mfp  
0134U/56

PS Form 3811, July 1983 Marlayne UIC

SEN : Complete items 1, 2, 3 and 4.

Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

- 1.  Show to whom, date and address of delivery.
- 2.  Restricted Delivery.

3. Article Addressed to:

Mr. Cecil Clark  
P.O. Box 247  
Coalville, Utah 84017

4. Type of Service:

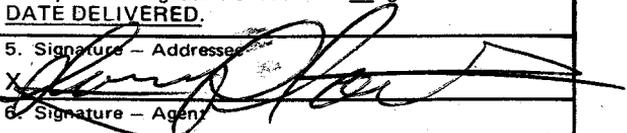
Article Number

- Registered
- Certified
- Express Mail
- Insured
- COD

P.001-770-539

Always obtain signature of addressee or agent and **DATE DELIVERED.**

5. Signature - Addressee

X 

6. Signature - Agent

X

7. Date of Delivery

APR 28 1987

8. Addressee's Address (ONLY if requested and fee paid)

DOMESTIC RETURN RECEIPT

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

Newspaper Agency Corporation

The Salt Lake Tribune

DESERET NEWS

MORNING & SUNDAY

EVENING & SUNDAY

Affidavit of Publication

STATE OF UTAH.  
County of Salt Lake

ss.

I, Raylene Vigil Hereby certify that the attached advertisement of CAUSE NO. UIC-095 for STATE OF UTAH, NATURAL RESOURCES, OIL, GAS & MINING was published by the NEWSPAPER AGENCY CORPORATION, AGENT FOR THE SALT LAKE TRIBUNE and DESERET NEWS, daily newspapers printed in the English language with general circulation in Utah, and published in Salt Lake City, Salt Lake County in the State of Utah.

PUBLISHED ON APR 9, 1987

SUBSCRIBED AND SWORN TO BEFORE ME THIS 24th DAY OF APRIL 19 87

CAUSE NO. UIC-095  
BEFORE THE DIVISION OF OIL,  
GAS AND MINING  
DEPARTMENT OF NATURAL  
RESOURCES  
STATE OF UTAH

IN THE MATTER OF THE AP-  
PLICATION OF CHAMPLIN PE-  
TROLEUM COMPANY FOR  
ADMINISTRATIVE APPROVAL  
TO CONVERT THE CLARK #4-  
1 WELL, LOCATED IN SEC-  
TION 4, TOWNSHIP 2 NORTH,  
RANGE 7 EAST, S.L.M., SUM-  
MIT COUNTY, UTAH TO A  
SALTWATER DISPOSAL  
WELL.

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

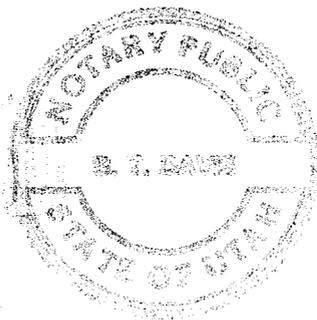
Notice is hereby given that  
Champlin Petroleum Company  
has requested administrative  
approval from the Division to  
convert the following well to a  
Saltwater disposal well:

Clark #4-1  
Section 4, Township 2 North,  
Range 7 East, S.L.M., Summit  
County, Utah  
INJECTION INTERVAL: Nugget  
Formation 10,368' to 10,535'  
MAXIMUM SURFACE PRES-  
SURE: 2500 psig  
MAXIMUM WATER INJEC-  
TION RATE: 10,000 BWPD

Approval of this application  
will be granted unless objec-  
tions are filed with the Division  
of Oil, Gas and Mining within fif-  
teen days after publication of  
this Notice. Objections, if any,  
should be mailed to the Division  
of Oil, Gas and Mining, Atten-  
tion: UIC Program Manager, 3  
Triad Center, Suite 350, 355  
West North Temple, Salt Lake  
City, Utah 84180-1203.  
DATED this 1st day of April,  
1987.

STATE OF UTAH  
DIVISION OF OIL, GAS  
AND MINING  
Marjorie L. Anderson  
Administrative Assistant  
U-64

RECEIVED  
APR 27 1987  
DIVISION OF  
OIL, GAS & MINING



B. J. Davis  
NOTARY PUBLIC

March 01, 1988  
COMMISSION EXPIRES

LEGAL ADVERTISING INVOICE

ACCOUNT NAME	AD NUMBER	TELEPHONE		
NATURAL RESOURCES, OIL, GAS & MINING	U-64	538-5340		
SCHEDULE	MISC. CHARGES			
C APR 9, 1987				
DATE	SIZE	TIMES	RATE	AD CHARGE
CAUSE NO. UIC-095	65 ACATS LINES	1	1.22	79.30
<b>DUE AND PAYABLE ON RECEIPT OF THIS INVOICE</b>				<b>TOTAL AMOUNT DUE</b>
FOR BILLING INFORMATION CALL 801-237-2796				79.30

TO INSURE PROPER CREDIT

PLEASE RETURN THIS PORTION

WITH YOUR PAYMENT IN THE ENCLOSED ENVELOPE  
MAKE CHECKS PAYABLE TO:

NEWSPAPER AGENCY CORPORATION

(PLEASE WRITE YOUR ACCOUNT  
NUMBER ON YOUR CHECK)

BILL TO:

ACCOUNT NUMBER	BILLING DATE
538-5340	4/24/87
AD NUMBER	PAY THIS AMOUNT
U-64	79.30

STATE OF UTAH, NATURAL RESOURCES  
OIL, GAS & MINING  
3 TRIAD CENTER, SUITE 350  
SALT LAKE CITY, UT 84180-1203

143 SOUTH MAIN ST.  
P.O. BOX 45838  
SALT LAKE CITY, UTAH 84145

FED. TAX I.D. # 87-0217663

Newspaper Agency Corporation

The Salt Lake Tribune

DESERET NEWS

MORNING & SUNDAY

EVENING & SUNDAY

Affidavit of Publication

STATE OF UTAH. }  
County of Salt Lake }

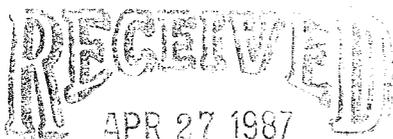
I, Raylene Vigil Hereby certify that the attached advertisement of CAUSE NO. UIC-095 for STATE OF UTAH, NATURAL RESOURCES, OIL, GAS & was published by the NEWSPAPER AGENCY CORPORATION, AGENT FOR THE SALT LAKE TRIBUNE and DESERET NEWS, daily newspapers printed in the English language with general circulation in Utah, and published in Salt Lake City, Salt Lake County in the State of Utah.

PUBLISHED ON APR 9, 1987

SUBSCRIBED AND SWORN TO BEFORE ME THIS 24th DAY OF APRIL 19 87

NOTARY PUBLIC

COMMISSION EXPIRES



DIVISION OF  
OIL, GAS & MINING

LEGAL ADVERTISING INVOICE

ACCOUNT NAME		AD NUMBER	TELEPHONE	
STATE OF UTAH, NATURAL RESOURCES, OIL, GAS & MINING		U-64	538-5340	
CUST. REF. NO.	SCHEDULE		MISC. CHARGES	
	C APR 9, 1987			
CAPTION	SIZE	TIMES	RATE	AD CHARGE
CAUSE NO. UIC-095	65 AGATE LINES	1	1.22	79.30
DUE AND PAYABLE ON RECEIPT OF THIS INVOICE FOR BILLING INFORMATION CALL 801-237-2796				<b>TOTAL AMOUNT DUE</b>
				79.30

TO INSURE PROPER CREDIT

PLEASE RETURN THIS PORTION

WITH YOUR PAYMENT IN THE ENCLOSED ENVELOPE  
MAKE CHECKS PAYABLE TO:

NEWSPAPER AGENCY CORPORATION

(PLEASE WRITE YOUR ACCOUNT  
NUMBER ON YOUR CHECK)

BILL TO:

ACCOUNT NUMBER	BILLING DATE
538-5340	4/24/87
AD NUMBER	PAY THIS AMOUNT
U-64	79.30

STATE OF UTAH, NATURAL RESOURCES  
OIL, GAS & MINING  
3 TRIAD CENTER, SUITE 350  
SALT LAKE CITY, UT 84180-1203

# PROOF OF PUBLICATION



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

I, Linda Martin

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

Secretary of The Park Record, a week-

ly newspaper of general circulation, published once each week at

Park City, Utah, that the notice attached hereto and which is a

Well conversion - Champlin Petro. Co.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

was published in said newspaper for one (1) con-

secutive issues, the first publication having been made on the

9th day of April, 1987, and the last

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

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

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

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

Linda Martin

Subscribed and sworn to before me this 9 day of

April, 1987

Susan Davis  
Notary Public

My commission expires Oct. 17, 1987

## Well conversion

Cause No. UIC-095

In the matter of the application of Champlin Petroleum Company for administrative approval to convert the Clark no. 4-1 Well, located in Section 4, Township 2 North, Range 7 East, S.L.M., Summit County, Utah to a Saltwater Disposal well.

The State of Utah to all interested parties in the above entitled matter.

Notice is hereby given that Champlin Petroleum Company has requested administrative approval from the Division to convert the following well to a saltwater disposal well:

Clark no. 4-1, Section 4, Township 2 North, Range 7 East, S.L.M. Summit County, Utah.

Injection interval: nugget formation 10,368' to 10,535'; maximum surfact pressure: 2500 psig; maximum water injection rate: 10,000 BWPD.

Approval of this application will be granted unless objections are filed with the Division of Oil, Gas and Mining within fifteen days after publication of this Notice. Objections, if any, should be mailed to the Division of Oil, Gas and Mining, Attention: UIC Program Manager, 3 Triad Center, Suite 350, 355 W. North Temple, Salt Lake City, UT 84180-1203.

Dated this 1st day of April, 1987.

Published in the Park Record April 9, 1987.



355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Ut  
84180-1203. ● (801-538-5340)

## MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

● CHAMPLIN PETROLEUM CO.  
P O BOX 700  
ROCK SPRINGS WY 82902  
ATTN: BETTY OLSON

Utah Account No. NO200  
Report Period (Month/Year) 5 / 87  
Amended Report

Well Name	Producing Zone	Days Oper	Production Volume		
API Number    Entity    Location			Oil (BBL)	Gas (MSCF)	Water (BBL)
X BINGHAM 2-4 4304330038 02190 02N 07E 2	NGSD				
X BINGHAM 10-1 4304330025 02195 02N 07E 10	TWNCR				
X PINEVIEW 4-3 4304330077 02210 02N 07E 4	TWNCR				
X PINEVIEW 4-4S 4304330083 02215 02N 07E 4	FRTR				
X NEWTON SHEEP 4-10S 4304330133 02220 02N 07E 4	STUMP				
X CLARK 4-1 4304330071 02225 02N 07E 4	STUMP				
X NEWTON SHEEP 4-11S 4304330239 02226 02N 07E 4	STUMP				
X UPRR 3-4 43043-30031 02N 7E 3 TA'd					
<b>TOTAL</b>					

Comments (attach separate sheet if necessary) \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

I have reviewed this report and certify the information to be accurate and complete.    Date \_\_\_\_\_  
 \_\_\_\_\_  
 Authorized signature \_\_\_\_\_    Telephone \_\_\_\_\_

CECIL CLARK

Box 247

COALVILLE UTAH

84017

To Whom It May Concern,

It is of much concern to me that the oil company wants to make well no. 4 -1 (CLARK) into an injection well. I feel that they will push the oil out from under the property with no concern to the property owners, one of which is myself. One thing for sure is that if they do, there will never be any oil taken from the property again. If they are to be allowed do this they must make compensation to the respective property owners.

The other concern is that in the past the companies that have done work on the property have failed to put the property back to the condition that it was when they started and I want no further work to be done until we have resolved that situation.

I have had a Mr. Joe Larkin come out to visit me and he explained that the oil field has no money to spend at this time, well they should have to live on my budget for some time. Also it was them that done the damage to me, and now they must fix it. Mr. Larkin seems to be trying to get some things done however he informs me that he will make no commitment to anything. Also the lease states that the oil company will remove any and all roads wellsites and etc. if the well does not produce oil within one year & it has been 5 to 8 years so they really don't have any lease to work with as per their own surface lease.

I am fearful that once that they put in their pipeline and start work that there will be no further repairs to the property. They have even got the ditches in such a state that we can't even get water to some of the property and it is very hard to get it to the rest.

I at this time of the opinion that I wish to wait and see what they do to repair the present problems that they have created and then we will see about a new lease to allow them to use 4-1 (CLARK) for an injection well. At this time they have run their lease out, done great damage to the property, and I don't want them to push the oil out from me. I wish to say no to their request at least until things can be worked out to a more suitable situation.

CECIL CLARK (Property  
owner)



**RECEIVED**  
MAY 18 1987

DIVISION OF  
OIL, GAS & MINING

RELEASE

KNOW ALL MEN BY THESE PRESENTS:

THAT Roberta A. Clark, Lynn R. Curtis, Sandy C. Curtis and Cecil E. Clark, the undersigned, in consideration of the sum of Two Thousand Dollars (\$2,000.00), in hand paid by UNION PACIFIC RESOURCES COMPANY, formerly CHAMPLIN PETROLEUM COMPANY, a Delaware corporation with offices in Englewood, Colorado, the receipt and sufficiency of which are hereby confessed and acknowledged, do hereby release and forever discharge said UNION PACIFIC RESOURCES COMPANY and AMERICAN QUASAR PETROLEUM CO. from all actions, causes of actions, suits, claims, and demands whatsoever for and on account of any and all damages and expenses caused by the drilling, completion, and operation of the CPC Clark 4-1 (2N-7E) well, formerly known as American Quasar Clark 4-1 well, including damage to fences, headgates, personalty and realty on land described as follows, to-wit:

Township 2 North, Range 7 East, 6th S.L.B.M.  
Section 4: SE/4SW/4, including roadway thereto

County of Summit, State of Utah, and for and on account of any damages to the appurtenances to said land or to any growing crops thereon and for and on account of any interference with livestock operations thereof caused by or as a result of said UNION PACIFIC RESOURCES COMPANY'S and AMERICAN QUASAR PETROLEUM CO.'S exploration and drilling for and operation and production of oil and gas on said land; and this Release shall be deemed to be and is to be a complete settlement, satisfaction, and discharge of all obligations of said UNION PACIFIC RESOURCES COMPANY and AMERICAN QUASAR PETROLEUM CO., their agents, employees, and associates, to pay such damages. The provisions hereof shall extend to and be binding upon the heirs, personal representatives, successors, and assigns of the undersigned.

Dated this \_\_\_\_\_ day of \_\_\_\_\_, 1987.

WITNESS:

\_\_\_\_\_

\_\_\_\_\_  
Roberta A. Clark

\_\_\_\_\_  
Social Security Number

\_\_\_\_\_

\_\_\_\_\_  
Lynn R. Curtis

\_\_\_\_\_  
Social Security Number

RELEASE

---

Sandy C. Curtis

---

Social Security Number

---

Cecil E. Clark

---

Social Security Number

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Township 2 North, Range 7 East, 6th S.L.B.M.  
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Dated this \_\_\_\_\_ day of \_\_\_\_\_, 1987.

WITNESS:

\_\_\_\_\_

\_\_\_\_\_  
Roberta A. Clark

\_\_\_\_\_  
Social Security Number

\_\_\_\_\_

\_\_\_\_\_  
Lynn R. Curtis

\_\_\_\_\_  
Social Security Number

RELEASE

---

Sandy C. Curtis

---

Social Security Number

---

Cecil E. Clark

---

Social Security Number

RELEASE

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Township 2 North, Range 7 East, 6th S.L.B.M.  
Section 4: SE/4SW/4, including roadway thereto

County of Summit, State of Utah, and for and on account of any damages to the appurtenances to said land or to any growing crops thereon and for and on account of any interference with livestock operations thereof caused by or as a result of said UNION PACIFIC RESOURCES COMPANY'S and AMERICAN QUASAR PETROLEUM CO.'S exploration and drilling for and operation and production of oil and gas on said land; and this Release shall be deemed to be and is to be a complete settlement, satisfaction, and discharge of all obligations of said UNION PACIFIC RESOURCES COMPANY and AMERICAN QUASAR PETROLEUM CO., their agents, employees, and associates, to pay such damages. The provisions hereof shall extend to and be binding upon the heirs, personal representatives, successors, and assigns of the undersigned.

Dated this \_\_\_\_\_ day of \_\_\_\_\_, 1987.

WITNESS:

\_\_\_\_\_

\_\_\_\_\_  
 Roberta A. Clark

\_\_\_\_\_  
 Social Security Number

\_\_\_\_\_

\_\_\_\_\_  
 Lynn R. Curtis

\_\_\_\_\_  
 Social Security Number

RELEASE

---

Sandy C. Curtis

---

Social Security Number

---

Cecil E. Clark

---

Social Security Number

# Champlin

A Subsidiary of  
Union Pacific Corporation

May 21, 1987

CERTIFIED MAIL

Mrs. Roberta A. Clark  
Coalville, Utah 84017

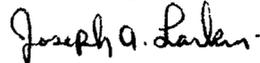
Re: Surface Damage Payment  
CPC Clark 4-1 (2N-7E) Well  
SE<sup>4</sup> SW<sup>4</sup> Section 4, T-2-N, R-7-E  
Pineview Field  
Summit County, Utah

Dear Mrs. Clark:

I have reviewed the claim of alleged damages of the above captioned well and it is Champlin's position that a cash settlement be made in lieu of any work done. Therefore, I am attaching Champlin's Check #025404 in the amount of \$2,000.00 payable to Roberta A. Clark, Lynn R. Curtis, Sandy C. Curtis and Cecil E. Clark in payment of any and all claims.

Also attached are four originals of the proposed Agreement. We would appreciate it if you would arrange for execution of the aforementioned Agreement, and return the "Champlin Original" in the enclosed postage-paid return envelope.

Sincerely yours,



Joseph A. Larkin  
Senior Landman

JAL:m

Att. (2)

cc: Mr. Gil Hunt ✓  
State of Utah  
Division of Oil, Gas and Mining  
3 Tread Center - Suite 350  
Salt Lake City, Utah 84180-1203



2808 North Avenue, Grand Junction, Colorado 81501

**United Bank of  
Grand Junction**  
National Association

No. 025401

MO. DAY. YR.

05-20-87

PAY

Dollars and

Cents

AMOUNT

\*\*\$2,000.00\*\*

The sum of **2,000 and 00/100** dollars

NOT TO EXCEED \$1,000,000

PAY TO THE ORDER OF

Roberta A. Clark, Lynn R. Curtis,  
Sandy C. Curtis and Cecil E. Clark  
c/p Roberta A. Clark  
Coalville, Utah 84017

LAND ACCOUNT  
NOT VALID AFTER 180 DAYS

*Debra Johnson*

*Cheryl Jensen*

⑆025401⑆ ⑆103100918⑆ 00 5 20 87⑆

FORM FS-010  
(12-86)

No. 025401

DATE	AMOUNT	LEASE NUMBER	DESCRIPTION
05-20-87	\$2,000.00	N/A	In CONSIDERATION FOR: Release from surface damages for road, location and production facilities for the CPC Clark 4-1 (2No.-7E) Well formerly known as the American Quasar 4-1. Included is monies to repair or replace fencing, head-gates and ditches caused by apparent operation of American Quasar, as former operator.  Location No. 43-48350 Account No. 401-42

DETACH STATEMENT BEFORE DEPOSITING CHECK

RELEASE

KNOW ALL MEN BY THESE PRESENTS:

THAT Roberta A. Clark, Lynn R. Curtis, Sandy C. Curtis and Cecil E. Clark, the undersigned, in consideration of the sum of Two Thousand Dollars (\$2,000.00), in hand paid by UNION PACIFIC RESOURCES COMPANY, formerly CHAMPLIN PETROLEUM COMPANY, a Delaware corporation with offices in Englewood, Colorado, the receipt and sufficiency of which are hereby confessed and acknowledged, do hereby release and forever discharge said UNION PACIFIC RESOURCES COMPANY and AMERICAN QUASAR PETROLEUM CO. from all actions, causes of actions, suits, claims, and demands whatsoever for and on account of any and all damages and expenses caused by the drilling, completion, and operation of the CPC Clark 4-1 (2N-7E) well, formerly known as American Quasar Clark 4-1 well, including damage to fences, headgates, personalty and realty on land described as follows, to-wit:

Township 2 North, Range 7 East, 6th S.L.B.M.  
Section 4: SE/4SW/4, including roadway thereto

County of Summit, State of Utah, and for and on account of any damages to the appurtenances to said land or to any growing crops thereon and for and on account of any interference with livestock operations thereof caused by or as a result of said UNION PACIFIC RESOURCES COMPANY'S and AMERICAN QUASAR PETROLEUM CO.'S exploration and drilling for and operation and production of oil and gas on said land; and this Release shall be deemed to be and is to be a complete settlement, satisfaction, and discharge of all obligations of said UNION PACIFIC RESOURCES COMPANY and AMERICAN QUASAR PETROLEUM CO., their agents, employees, and associates, to pay such damages. The provisions hereof shall extend to and be binding upon the heirs, personal representatives, successors, and assigns of the undersigned.

Dated this \_\_\_\_\_ day of \_\_\_\_\_, 1987.

WITNESS:

\_\_\_\_\_

\_\_\_\_\_  
Roberta A. Clark

\_\_\_\_\_  
Social Security Number

\_\_\_\_\_

\_\_\_\_\_  
Lynn R. Curtis

\_\_\_\_\_  
Social Security Number

RELEASE

---

Sandy C. Curtis

---

Social Security Number

---

Cecil E. Clark

---

Social Security Number

# champlin

A Subsidiary of  
Union Pacific Corporation

May 21, 1987

Mrs. Roberta A. Clark  
Coalville, Utah 84017

**RECEIVED**  
MAY 26 1987

Re: Salt Water Disposal Agreement  
covering CPC Clark 4-1 (2N-7E) Disposal Well  
formerly American Quasar Clark 4-1 Well

**DIVISION OF  
OIL, GAS & MINING**

Dear Mrs. Clark:

Attached is Champlin Check #025405 in the amount of \$2,000.00 payable to Roberta A. Clark, Lynn R. Curtis, Sandy C. Curtis and Cecil E. Clark. This check represents the initial payment for the captioned Disposal Agreement.

Also attached are duplicate originals of the proposed Agreement. We would appreciate it if you would arrange for execution of the aforementioned Agreement and return the "Champlin Original" in the enclosed post-paid return envelope. If you want to return the fully executed "R. Clark Original", I will make copies so that all parties will have one for their file.

Thank you for your cooperation in this matter.

Very truly yours,

*Joseph A. Larkin*

Joseph A. Larkin  
Senior Landman

JAL:m

Att.

cc: Mr. Gil Hunt ✓  
State of Utah  
Division of Oil, Gas and Mining  
3 Tread Center - Suite 350  
Salt Lake City, Utah 84180-1203



2808 North Avenue, Grand Junction, Colorado 81507

**United Bank of  
Grand Junction**  
National Association

No. 025105

MO. DAY YR.  
05-21-87

AMOUNT

05-21-87

PAY

Dollars and

Cents

\*\*\$2,000.00\*\*

The sum of **2,000** Dollars and **00** Cents

NOT TO EXCEED \$1,000,000

PAY TO THE ORDER OF

Roberta A. Clark, Lynn R. Curtis,  
Sandy C. Curtis and Cecil E. Clark  
c/o Roberta A. Clark  
Coalville, UT 84017

LAND ACCOUNT  
NOT VALID AFTER 180 DAYS

*Debra Johnson*  
*Debra Johnson*

⑈025405⑈

⑆102100948⑆

001 926 21⑈

FORM FS-010  
(12-86)

No. 025105

DATE	AMOUNT	LEASE NUMBER	DESCRIPTION
05-21-87	\$2,000.00	N/A	IN CONSIDERATION FOR: <del>Surface damages and</del> Initial payment for Salt Water Disposal Agreement for the CPC Clark 4-1 (2N-7E) Well, Pineview Field, Summit County, UT  Location No. 43-48392 Account No. 401-16  To Replace check No. 025170 written 5-7-87

DETACH STATEMENT BEFORE DEPOSITING CHECK

SALT WATER DISPOSAL AGREEMENT

STATE OF UTAH            )  
                              )  ss.  
COUNTY OF SUMMIT     )

KNOW ALL MEN BY THESE PRESENTS:

That the undersigned Roberta A. Clark, Lynn R. Curtis, Sandy C. Curtis, and Cecil E. Clark, hereinafter collectively called "Lessor", owners of the surface of the land hereinafter described, for and in consideration of the sum of Ten Dollars and other valuable consideration paid by Champlin Petroleum Company, hereinafter called "Lessee", the receipt and sufficiency of which is hereby acknowledged, hereby grant, lease, and let unto Lessee that certain tract of land situated in Summit County, Utah, more specifically located in the SE/4SW/4 of Section 4, Township 2 North, Range 7 East, and being approximately one acre in the form of a three hundred feet by one hundred twenty feet (300' x 120' rectangle surrounding the former American Quasar 4-1 Clark Well, all as reflected on the plat attached hereto and made a part hereof as Exhibit "A," for the purpose of utilizing the well located in said SE/4SW/4 of Section 4 as a salt water disposal well and of returning through such well to subsurface formations salt water produced from producing wells in the Pineview Field, and for the purpose of locating pumps and other structures, machinery, equipment, and means thereon either necessary or convenient, to save, take care of, treat, store, transport, and inject into said subsurface formations and dispose of such salt water.

For the same consideration Lessor grants, leases, and lets unto Lessee the right to build and maintain a roadway for ingress and egress to said well and grants, leases, and lets such rights-of-way necessary for laying and maintaining pipelines and power lines necessary for the construction and operation of the salt

water disposal facility. The rights-of-way for roads, pipelines, power lines, and the surface facilities shall be located within the area set forth on the plat attached as Exhibit "A."

Lessee, its successors and assigns, hereby undertake to protect and save Lessor harmless from all damages claimed by third parties arising from, growing out of or to be in any way incident to or connected with the return of said salt water into the subsurface formations under the provisions hereof, and Lessee binds itself, its successors and assigns, to defend, at its cost and expense, all lawsuits, or court actions brought against Lessor by reason of any such claims for damages and to pay all such damages and costs of such suits adjudged against Lessor. The rights granted hereunder shall be subject to the terms of any permit to dispose of salt water issued by the Board of Oil, Gas and Mining for the State of Utah.

This lease shall be for a term of one (1) year and as long thereafter as salt water is injected into subsurface formations through the former American Quasar 4-1 Clark Well drilled on the lands covered by this lease, or drilling or reworking operations are conducted on said well for the drilling or reworking of the salt water disposal well. Any suspension of the injection of salt water through the salt water disposal well on this lease for a period of less than one hundred eighty (180) consecutive days shall not be considered the cessation by lessee of the injection of salt water under the terms of this paragraph.

During the term of this lease, Lessee shall pay to Lessor a rental of Two Thousand Dollars (\$2,000.00) per year. The Lessor acknowledges that the rental for the first year has been paid upon the execution of this Agreement. An annual rental shall be due twelve (12) months from the date hereof (Anniversary Date) and on each subsequent Anniversary Date thereafter during the term hereof. The annual rentals shall be paid by check to all of the

above named parties constituting Lessor. Lessee shall not be responsible for any change in ownership until Lessee shall have received written notice thereof, together with recorded and certified copies of the documents evidencing such changes in ownership.

The parties constituting Lessor acknowledge that, as among them, title to the surface estate of the lands being leased hereunder currently is in dispute. Notwithstanding such dispute, the parties constituting Lessor agree that payment by check to all such parties in the manner set forth above shall be sufficient for purposes of leasing such surface estate and the parties' interests therein whether now owned or hereafter acquired.

Lessee shall have the right at any time during, or within six (6) months after the expiration of, this lease to remove all property and fixtures placed by Lessee on said land, including the right to draw and remove all casing. Upon the expiration of this lease, Lessee shall restore the surface of the lands used, as nearly as practicable to the condition existing prior to modification by Lessor for the purposes granted hereunder.

Notices under this lease shall be in writing and shall be effective upon receipt thereof by the party to whom the notice is sent. Until changed by written notice to the other party, notices hereunder shall be directed as follows:

To Lessor:            Roberta A. Clark  
                             Coalville, Utah 84017

                             Lynn R. Curtis and Sandy C. Curtis  
                             Coalville, Utah 84017

                             Cecil E. Clark  
                             Coalville, Utah 84017

To Lessee:            Champlin Petroleum Company  
                             P.O. Box 1257  
                             Englewood, Colorado 80150

The terms and provisions hereof shall extend to, inure to the benefit of, and be binding upon the parties hereto, their heirs, successors, legal representatives and assigns, in the event of the assignment hereof, in whole or in part, liability for breach of any obligation hereunder shall rest exclusively upon the owner of this lease, or of a portion thereof, who commits such breach.

Executed this 19<sup>th</sup> day of May, 1987, but effective April 30, 1987.

LESSOR:

\_\_\_\_\_  
 Roberta A. Clark

\_\_\_\_\_  
 Lynn R. Curtis

\_\_\_\_\_  
 Sandy C. Curtis

\_\_\_\_\_  
 Cecil E. Clark

LESSEE:

CHAMPLIN PETROLEUM COMPANY

Charles R. Traylor  
 Attorney-in-Fact

APPROVED	
DIV.	
LEGAL	JK
LAND	JK
GEOLOGICAL	
OFF.	
ACCTG.	
PLANS	
OTHER	

STATE OF UTAH            )  
                                   ) ss.  
 COUNTY OF                )

On the \_\_\_\_\_ day of \_\_\_\_\_, A.D. 1987, personally appeared before me Roberta A. Clark, the signer of the above instrument, who duly acknowledged to me that she executed the same.

(SEAL)

Residing at:

\_\_\_\_\_  
 Notary Public

My Commission Expires:

STATE OF UTAH )  
 ) ss.  
COUNTY OF )

On the \_\_\_\_\_ day of \_\_\_\_\_, A.D. 1987, personally appeared before me Lynn R. Curtis and Sandy C. Curtis, the signers of the above instrument, who duly acknowledged to me that they executed the same.

(SEAL) Residing at: \_\_\_\_\_  
Notary Public  
My Commission Expires: \_\_\_\_\_

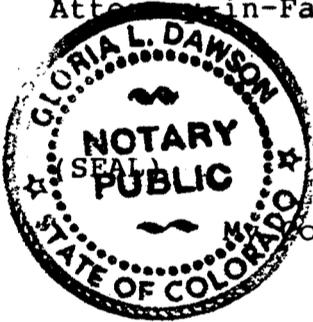
STATE OF UTAH )  
 ) ss.  
COUNTY OF )

On the \_\_\_\_\_ day of \_\_\_\_\_, A.D. 1987, personally appeared before me Cecil E. Clark, the signer of the above instrument, who duly acknowledged to me that he executed the same.

(SEAL) Residing at: \_\_\_\_\_  
Notary Public  
My Commission Expires: \_\_\_\_\_

STATE OF COLORADO )  
 ) ss.  
COUNTY OF ARAPAHOE )

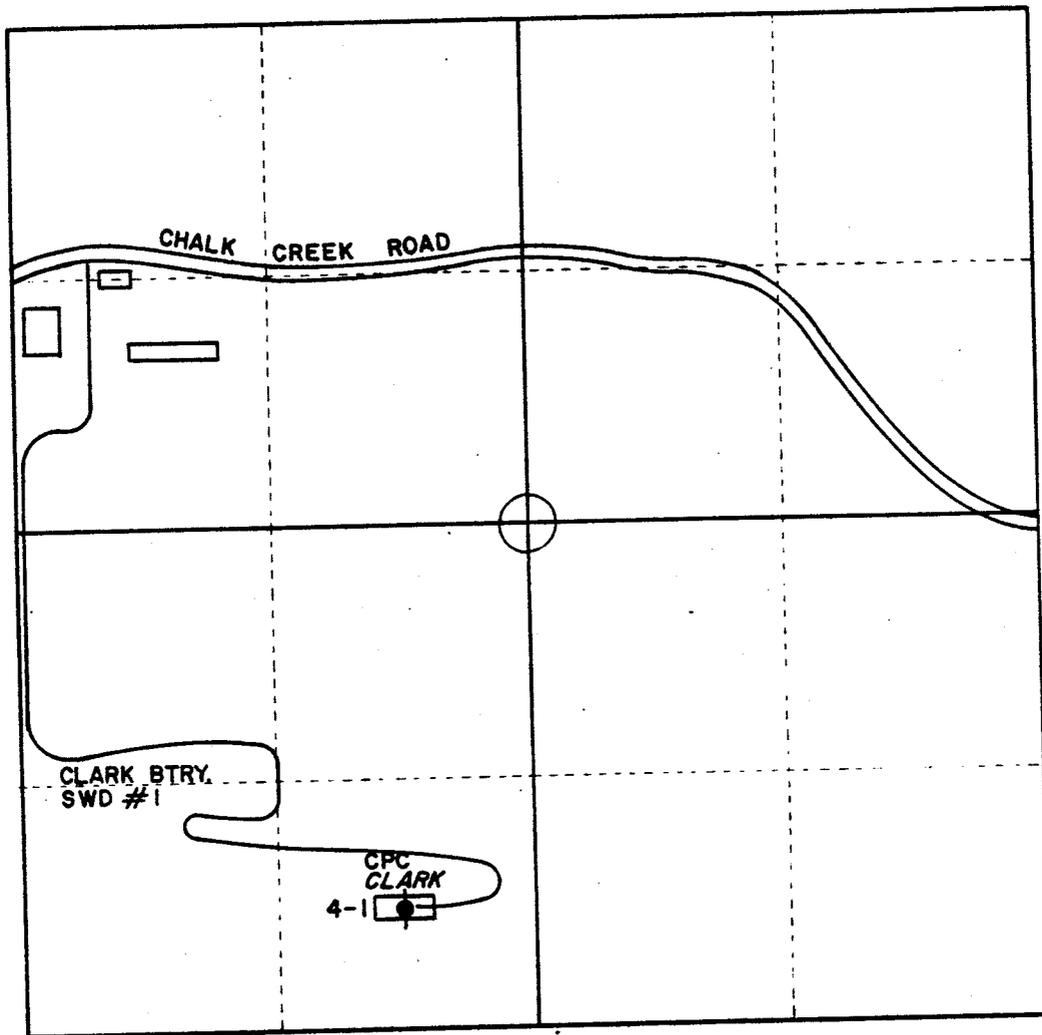
The foregoing instrument was acknowledged before me this 19th day of May, 1987, by Charles R. Traylor, as Attorney-in-Fact on behalf of CHAMPLIN PETROLEUM COMPANY.



Gloria L. Dawson  
Notary Public  
Residing at: 10 Caden #5  
Denver, CO 80218  
Commission Expires: March 23, 1988

Section 4 Township 2N Range 7E

County SUMMIT State UTAH



SCALE: 1 inch = 1000 feet

APPROVAL

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EXHIBIT A

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

---00000---

IN THE MATTER OF THE APPLICATION : NOTICE OF HEARING  
OF CHAMPLIN PETROLEUM COMPANY :  
FOR ADMINISTRATIVE APPROVAL TO : DOCKET NO. 87-019  
CONVERT THE CLARK NO. 4-1 WELL : CAUSE NO. UIC-095  
LOCATED IN SECTION 4, TOWNSHIP :  
2 NORTH, RANGE 7 EAST, S.L.M., :  
SUMMIT COUNTY, UTAH, TO A SALT :  
WATER DISPOSAL WELL :

---00000---

THE STATE OF UTAH TO ALL OPERATORS, TAKERS OF PRODUCTION,  
MINERAL AND ROYALTY OWNERS, AND PARTICULARLY ALL PERSONS INTERESTED  
IN SUMMIT COUNTY, UTAH.

Notice is hereby given that the Board of Oil, Gas and Mining  
will conduct a hearing on Thursday, June 18, 1987 at 10:00 a.m., or  
as soon thereafter as the matter may be heard, in the boardroom of  
the Division of Oil, Gas and Mining, 355 West North Temple, 3 Triad  
Center, Suite 301, Salt Lake City, Utah.

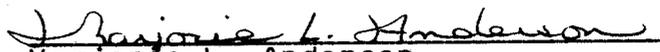
The purpose of the proceeding will be to allow the Board the  
opportunity to receive information, testimony, and evidence:

1. As to why the Clark No. 4-1 Well should not be  
converted to a Class II injection well for use as a  
salt water disposal well; and
2. Whether the Division should issue administrative  
approval for such well conversion.

Persons interested in this matter may participate pursuant  
to the Procedural Rules of the Board. The Application and any  
subsequent pleadings may be inspected in the office of the  
undersigned, 355 West North Temple, 3 Triad Center, Suite 350,  
Salt Lake City, Utah.

DATED this 26th day of May, 1987.

STATE OF UTAH  
BOARD OF OIL, GAS AND MINING

  
Marjorie L. Anderson  
Secretary of the Board

Return Receipts

VIC-095

P 001 770 531

### RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED  
NOT FOR INTERNATIONAL MAIL

(See Reverse)

★ U.S.G.P.O. 1984-446-014

PS Form 3800, Feb. 1982

Sent to <i>Park Record</i>	
Street and No. <i>PO Box 3688</i>	
P.O., State and ZIP Code <i>Park City, Utah 84060</i>	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date <i>Notice</i> <i>UIC-095</i>	

**RECEIPT FOR CERTIFIED MAIL**

NO INSURANCE COVERAGE PROVIDED  
NOT FOR INTERNATIONAL MAIL

(See Reverse)

★ U.S.G.P.O. 1984-446-014          PS Form 3800, Feb. 1982	Sent to <i>Newspaper Agency</i>	
	Street and No. <i>43 S. Main St.</i>	
	P.O., State and ZIP Code <i>SLC UT 84111</i>	
	Postage	\$
	Certified Fee	
	Special Delivery Fee	
	Restricted Delivery Fee	
	Return Receipt Showing to whom and Date Delivered	
	Return receipt showing to whom, Date, and Address of Delivery	
	TOTAL Postage and Fees	\$
Postmark or Date <i>Notice</i> <i>UC-095</i>		

**RECEIPT FOR CERTIFIED MAIL**NO INSURANCE COVERAGE PROVIDED  
NOT FOR INTERNATIONAL MAIL

(See Reverse)

★ U.S.G.P.O. 1984-446-014

PS Form 3800, Feb. 1982

Sent to BLM	
Street and No. 324 S. State Street	
P.O., State and ZIP Code SLC UT 84111-2303	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date Notice ULC-095	

P 001 770 532

## RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED  
NOT FOR INTERNATIONAL MAIL

(See Reverse)

★ U.S.G.P.O. 1984-446-014

PS Form 3800, Feb. 1982

Sent to <u>BLM EPA</u>	
Street and No. <u>999 18<sup>th</sup> St. Ste. 500</u> <del>324 S State Street</del>	
P.O., State and ZIP Code <u>Denver, CO</u> <del>SLC UT 84111-2303</del>	
Postage	\$ <u>80202-2405</u>
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date <u>Notice</u> <u>UIC-095</u>	

PS Form 3811, July 1983

**SENDER: Complete items 1, 2, 3 and 4.**

Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1.  Show to whom, date and address of delivery.

2.  Restricted Delivery.

3. Article Addressed to:  
 BLM  
 324 S. State Street  
 SLC UT 84111-2303

4. Type of Service:

Registered     Insured  
 Certified     COD  
 Express Mail

Article Number  
 P-001-770-533

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee  
 X

6. Signature - Agent  
 X *Ray Gorant*

7. Date of Delivery

8. Addressee's Address *(ONLY if requested and fee paid)*

Marlayne  
VIC-095

DOMESTIC RETURN RECEIPT



PS Form 3811, July 1983

SENDER: Complete items 1, 2, 3 and 4.

Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

- Show to whom, date and address of delivery.
- Restricted Delivery.

3. Article Addressed to:

Park Record  
PO Box 3688  
Park City, Utah 84060

4. Type of Service:

- Registered     Insured  
 Certified     COD  
 Express Mail

Article Number

P001-770-531

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee

X

6. Signature - Agent

X

7. Date of Delivery

7-4-87

8. Addressee's Address (ONLY if requested and fee paid)



DOMESTIC RETURN RECEIPT

Marlayne VIC-096

PS Form 3871, July 1983

● **SENDER: Complete items 1, 2, 3 and 4.**

Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

- 1.  Show to whom, date and address of delivery.
- 2.  Restricted Delivery.

3. Article Addressed to:

EPA  
Region VIII  
999 18th Street - Suite 500  
Denver CO 80202-2405

4. Type of Service:

- Registered
- Certified
- Express Mail
- Insured
- COD

Article Number

Always obtain signature of addressee or agent and **DATE DELIVERED.**

5. Signature - Addressee

X *Janet Dyer*

6. Signature - Agent

X

7. Date of Delivery

*4/6/87*

8. Addressee's Address (*ONLY if requested and fee paid*)

Marlaque  
VIC-095

DOMESTIC RETURN RECEIPT



WELL HISTORY OF CLARK # 4-1

January 4, 1978 DOGM approves application to drill the Clark #4-1 by American Quasar Petroleum Company.

June 7, 1978 Well is completed in the Twin Creek to 10,580' and begins production IP: 607 BBLs. Oil; 438 MCF Gas.

June 20, 1983 DOGM approves plans to recompleate well in the Stump Formation at 6200'.

September 21, 1983 Well recompleted in the Stump; Well is TA.

April 1, 1985 Change of operator to Champlin Petroleum Company.

March 25, 1987 DOGM receives letter (dated 3/10/87) and application from Champlin Petroleum requesting administrative approval to convert the Clark #4-1 to a Nugget salt water disposal well.

March 31, 1987 Disposal well application is reviewed by UIC staff.

April 1, 1987 Notice of application as Cause No. UIC-095 is prepared.

April 2, 1987 Notice of Application of Administrative Approval for publication is sent to: Newspaper Agency Corporation; The Park Record.

April 6, 1987 Statement of project sent to Grants Coordinator, State Clearinghouse by DOGM

April 8, 1987 DOGM received letter from Mr. Cecil Clark in protest of application.

April 9, 1987 Notice published in the Park Record; notice published by Newspaper Agency Corporation.

April 15, 1987 DOGM received letter (dated 4/14/87) from RDCC indicating no comments were received.

April 22, 1987 DOGM received letter (dated 4/16/87) from Division of State History indicating no action on project is required by their agency.

April 24, 1987 Letter from Gil Hunt, UIC Manager, to Cecil Clark requesting details concerning his objections to the application.

May 18, 1987 DOGM received letter from Mr. Cecil Clark explaining his objections and concerns over the application.

May 21, 1987 DOGM receives copy of letter from Champlin to Mr. Clark stating a proposed settlement of \$2,000.00 for surface damages.

May 26, 1987 DOGM received copy of Champlin's salt water disposal agreement with Mr. Clark, et al.

May 26, 1987 Notice of Hearing is prepared.

May 27, 1987 Notice of Hearing sent to 3 newspapers for publication: The Park Record; Summit County Bee; Newspaper Agency Corporation.

May 30, 1987 Notice published by Newspaper Agency Corporation.

May 29, 1987

**RECEIVED**  
JUN 01 1987

060817

DIVISION OF  
OIL, GAS & MINING

Department of Natural Resources  
Division of Oil, Gas & Mining  
State of Utah  
355 North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180

Re: Bond Nos. 951566 and 2447222

Gentlemen:

As of May 1, 1987, Champlin Petroleum Company was reorganized and its name was changed to Union Pacific Resources Company. Attached herewith you will find a copy of the following:

- 1 - "Bond Rider" reflecting the name change.
- 2 - Certificate of Amendment and Acknowledgement, State of Delaware.

If you should have any questions, please do not hesitate to contact the undersigned.

Sincerely,



Edward Robert  
Insurance Coordinator

ER:vp-9

Attachment

CLARK #4-1

American Quasar Petroleum  
SE SW Sec. 4-2N-7E  
Summit Co., Utah

CLARK 4-1

Summit County, UT

5/13/80 - TIH w/mud anchor, seat nipple 40 jts 2 7/8" 6.5# J55 8Rd + tbg anchor & 40 jts 2 7/8 J55 8Rd & 245 jts 2 7/8" N80 6.5# 8Rd. ND BOP, set tbf anchor @9665' w/18,000# tension. NU pumping tree, pump 60 bbls hot wtr down tbg. PU & run Axelson 25-150 RHBC TS 16-19-22 w/gas anchor & 4 1" x 25' & 198 3/4" x 25' & 103 7/8" x 25' & 60 1" x 25' rods. CWI. CWC \$8600.

CLARK 4-1

Summit County, UT

5/14/80 - Run 30 1" x 25' rods, 1 1" x 6' & 1 1" x 2' sub, polish rod & stuffing box. Install horse head, space out pump, load tbg & press test tbg 300 psi, OK. RD & start pumping unit. CWC \$9600.

CLARK 4-1

Summit County, UT

12/5/80 - (Pull pumping equip, TA) - MIRU Gamache #5. LD horse-head, unseat pump. Pump 50 bbls treated hot wtr down tbg, LD 90 1" & 103 7/8" & 198 3/4" & 4 1" rods & pump. CWI. CWC \$2350.  
12/6/80 - ND pumping tree, NU BOP. Rels tbg anchor, LD 334 jts 2 7/8" 6.5# N80 8Rd & tbg anchor. ND BOP, NU rented blank flange. RDMO Gamache #5. CWC \$4850.

CLARK 4-1

Summit County, UT

7/12/83 - MIRU Well Tech #48. SICP 1300#. RU ck & flowline to working pit. Flwd well on various ck sizes 15 hrs, rec 250 BO, no wtr. Gas rate est 75-100 MCFD w/CP now decrsd to 200 psi & flwg. CWC \$1863.

CLARK 4-1

Summit County, UT

7/13/83 - Well flwd 2 hrs, died. Rec 50 BO, loaded 5 1/2" csg w/250 bbls produced wtr. NU 6" x 5000 BOP. PU Baker stinger on 171 jts (5341.74') 2 7/8" EUE 6.5# N80 used tbg. SDON. MI add'l tbg (150 jts from pipe yard). CWC \$6588.

CLARK 4-1

Summit County, UT

7/14/83 - Finished PU 2 7/8" tbg, 308 jts (9488'), stung in retrn @9500', established injection rate @5 BPM, 900 psi. PU & found neutral point. Tested tbg to 3000 psi. Halco sqzd Twin Creek perms 9787-9888 w/250 sx Class H to 800 psi by staging. PU & dumped 1 1/2 bbl cement on pit. Reversed out, TOH w/105 std 2 7/8" tbg. LD 98 jts. SDON. CWC \$15093.

CLARK 4-1

Summit County, UT

7/15/83 - Petrolog ran GR-CCL from 5200-7200' on 3rd attempt. Perfd for block sqz @6450' w/4" 4 way CJ/1'. Ran Baker Model K-J cement retrn to 4600' & lost odometer. Repaired same, started OOH to rezero & could not pull above 4300'. Reran CR to 5987' & hung up correlated csg collar. Made 1650' adjustment, set CR TIH w/Baker stinger. Stung in, estab injection rate @4 BPM @1800 psi w/5 1/2" x 9 5/8" annulus open, no returns. Press annulus to 1500#, no bleed off. Howco sqzd perms 6450 w/300 sx Class H w/4/10% Halad 9. Staged to 2500#. PU & reverse out. PO 5 jts & SDON. CWC \$30,628.

CLARK 4-1

Summit County, UT

7/16/83 - TOH w/2 7/8" tbg & Baker stinger. Ran 4 3/4" OD mill, Baker csg scraper on 6 3 1/8" DC & 2 7/8" tbg, tbg retrn @5987'. RU power swivel, milled on retrn 2 hrs, made 1'. SDON. CWC \$32,618.

7/17/83 - Milled on retrn 5987-6000', 12 hrs. SDFS. CWC \$35,044.  
7/18/83 - SDFS.

CLARK 4-1

Summit County, UT

7/19/83 - Milled on junk & cement 6000-6095' 7 hrs. TOH, mill cored out. TIH w/4 3/4" mill tooth bit, RU Swivel, SDON. CWC \$37,383.

CLARK 4-1

Summit County, UT

7/20/83 - Drld cement 6095-6400' 9 hrs, leaving cement plug 6400-50'. Circ hole clean, press tested 5 1/2" csg to 2500 15 min, held OK. TOH w/bit, Petrolog ran CBL 6391-5200'. Top of good cement 6225'. Poor bonding 6250-6310', good bonding 6310-PBD @6391'. SDON. CWC \$39,848.

CLARK #4-1

American Quasar Petroleum

SE SW Sec. 4-2N-7E

Summit Co., Utah

CLARK 4-1

Summit County, UT

7/21/83 - Petrolog perf'd 6700' w/4" 4 way sqz. TIH w/Baker retrievamatic pkr on 98 std & single. Set pkr @6065'. Press annulus to 1000 & tbg to 3500#. Bled to 3200/5 min. Press to 4200# @ 1 BPM. Press to 4500@ 2 BPM. Halco sqzd perf 6300' w/100 sx H w/4% Halad 9 to 4500# w/80 sx in fma. Reversed out, TOH w/pkr. SDON. CWC \$48,754.

CLARK 4-1

Summit County, UT

7/22/83 - TIH w/4 3/4" bit & csg scrapers on 6 3 1/8" DC & 2 7/8" tbg. Tag cemt @6140'. Drill hard cemt 6140-6300', 5 hrs. Ran in to PBD 6400'. Displaced hole w/2% KCl wtr w/15 gasl CI-617 & 10 gals CI-870. SDON. CWC \$51,269.

CLARK 4-1

Summit County, UT

7/23/83 - TOH w/203 jts 2 7/8" tbg. LD DC. TIH w/Baker 5 1/2" x 2 7/8" Model R prod pkr. SN on 201 jts (6183.91') 2 7/8" EUE 6.5# N-80 used tbg. Set pkr @6200', Sn @6193', NU Xtree, press tested tbg & Xtree to 3000# & annulus to 1500# w/rig pump. Held OK. Swabbed FL to 5000' Petrolog perf'd Stump "F" @6328-38' (22 holes) & 6346-56' (22 holes) w/1 11/16" CJ. No press while perfing. SDON. CWC \$57,287.

7/24/83 - 10 hr SITP 0, fill 5000'. Swabbed tbg, drlg to SN @6194', total rec 35 bbls. No entry or gas, Western Co acdzd Stump perfs 6328-38, 6346-56 (44 holes) w/5000 gals 15% HCl & 60 RCN balls. Flushed w/38 bbls 2% KCl wtr at max press 4250, avg press 3750, rate 1.8 BPM, ISIP 2150, 2050 5 min, 1950 10 min, 1900 15 min. Total load 158 bbls, job complete 2 PM. Open to test tank & bled to 0/10 min. Rec 7 bbls, RU & swabbed 48 BLW tbg during last 1 hr. SDON Total rec 55 BLW of 158 BL, 12 hr SITP 0, CWC \$68,618.

7/25/83 - 36 hr SITP 125 psi, FL 300', Prep to acdz.

CLARK 4-1

Summit County, UT

7/26/83 - SITP 125#. Bled off instantly. Loaded tbg w/1/2 bbl. ND Xtree, relsd pkr, PU 4 jrs 2 7/8" 6.5# N-80 tbg. Lowered pkr & set @6320' w/205 jts (6310.15') 2 7/8" EUE 6.5# N-80 8Rd tbg. SN @6313'(sqz perf @6300'). Press annulus to 2000#, bled to 1400 in 10 min. Estab inj rate down tbg @6 BPM, 3700# (backside OK). RU & swabbed 2 7/8" tbg to SN. Western Co. re-acdzd Stump perfs 6328-38, 6346-56 (44 holes) w/5000 gals 15% HCl, two staged w/25 balls flushed w/36 bbls 2% KCl wtr. Max press 4600, avg press 4000, avg rate 4 BPM, min rate 1/2 BPM. Surged off balls & flushed 5 BPM @4100#. ISIP 2150, 5 min 1800, 10 min 1750, 15 min 1725. Total load 156 bbls, job complete 2 PM. Open well to test tank @2 PM, flwd back 20 bbls 1 1/2 hrs & died. RU & swab 2 7/8" tbg to SN @6313' for 15 min. Last 8 hrs swabbing 3-5 BPM, NS oil or gas. Swabbed 81 bbls & flwd 20 = 101 bbls. TR (Both acid jobs) 191 bbls of 314 BL, last 24 hrs, rec 20 + 81 - 101 of 156 BL. CWC \$81,884.

CLARK 4-1

Summit County, UT

7/27/83 - Swabbed Stump perfs 6328-38 & 6346-56 for 8 hrs. Rec 19 BLW, NS oil or gas. Analysis of last run: SG 1.015 @60°F, chl 20,734, pH 6.5, TDS 40,691. TR 120 BLW of 156 BLW. SDON. SITP 50# for 16 hrs. CWC \$83,189.

CLARK 4-1

Summit County, UT

7/28/83 - Swabbed Stump perfs 6328-38 & 6346-56' for 8 hrs. FL 1st run 1800', swab down to SN in 3 runs, rec approx 40 BLW, NS oil or gas. Have rec'd all of 2nd load, 156 of 156 bbls. Also rec'd 59 of 158 BL of 1st job. SDON. 0# SI this AM. CWC \$84,661.

CLARK 4-1

Summit County, UT

7/29/83 - Swabbed Stump perfs 6328-38 & 6346-56 for 8 hrs. FL @1800' 1st run. Swabbed down & rec 40 BLW, NS oil or gas. Have rec'd 99 bbls of 158 BL. CWC \$86,133.

CLARK #4-1

American Quasar Petroleum  
SE SW Sec. 4-2N-7E  
Summit Co., Utah

CLARK 4-1

Summit County, UT

7/30/83 - Reisd pkr & reversed hole, TOH & LD pkr. RU Petrolog & ran CBL w/GR & CCL from 6300-5800'. Showed good cement from 6228' down & fair & good bond around 6100', TOH. TIH w/Halliburton cement retnr & set @6295'. RD Petrolog, TIH w/100 std tbg to 6148'. SDON. CWC \$91,492.

7/31/83 - RTIH w/stinger, stung in w/102 std & single, test csg to 1000# & tbg to 4000#. Establish injection rate w/10 BW & pumped 3 BPM @2600#. Sqzd Stump perfs w/100 sx Class H & .2% Halad 9 (19 bbls), displaced cement w/31 BW & SD. Pumped 1/2 bbl @2600, dropped to 1700# in 5 min, pumped 1/2 bbl @3000# & dropped to 1700# in 5 min, pumped 1/2 bbls @3500 & dropped to 2700# in 5 min, pumped 1/2 bbl @ 3500 & held sqz. PU out of retnr & reversed out 3 bbl cement. TOH w/stinger & SWI. CWC \$97,387.

8/1/83 - SDFS.

CLARK 4-1

Summit County, UT

8/2/83 - PU Model "R" pkr & TIH to 6072', set pkr & test to 1000# & held OK. Swabbed well down to 5000', RU Petrolog & perf'd 6242-50 & 6196-6210 w/2 SPF, no press increase, TOH & RD Petrolog. RU lubricator, made swab run, no fluid entry. Swabbed well down to SN, rec approx 8 BW. Waited 1 hr, made another run & rec 1 BW. SDON. Prep to pump acid this AM. CWC \$102,398.

CLARK 4-1

Summit County, UT

8/3/83 - RU swab & found FL 3500', swabbed to SN. RU Western & treated well, pumped 119 bbl 15% HCl w/60 balls, flushed w/38 bbls 2% KCl wtr, std pumping into fma @4.3 BPM, 2600#, max rate 6 BPM, some ball action, total load 157 bbls. Opened well to frac tank @9:30 AM w/1400# on well. Bled to 0 in 15 min & flwd back 21 bbl. RU Swab, took 12 runs to swab down to SN. Had slight blow after each run. Waited 1/2 hr & fluid came in 2500', swabbed 8 hrs w/NS oil, slight show gas. Have rec 160 bbls for day, 3 bbls over load. 140# SI this AM for 11 hrs. CWC \$115,315.

CLARK 4-1

Summit County, UT

8/4/83 - 140# SI for 11 hrs. Bled well down in 2 min, RU swab, found FL @300' 1st 2 runs. Good show oil, swabbed down to SN w/show oil in every run. Fluid coming in approx. 2500' in 1/2 hr. Swabbed 9 hrs & rec total of 142 bbls. 122 BO, 20 BW estimated, 100# SIP this AM (15 hrs). CWC \$116,945.

CLARK 4-1

Summit County, UT

8/5/83 - CORRECTION TO 8/4/83 REPORT: Should have read: 122 BW, 20 BO estimated, instead of 122 BO, 20 BW. 8/5/83 - SITP 100#, 15 hrs. FL 350', swabbed Stump perfs 6196-6210 & 6242-50' for 4 hrs. Rec 72 BW, NS oil, very slight gas show on swab runs. Lowered pkr to 6220'. Swabbed perfs 6242-50 for 4 hrs. Rec 71 BW, NS oil. 6:30 AM SITP 50#, 14 hrs. SICP 0#. CWC \$103,123.

CLARK 4-1

Summit County, UT

8/6/83 - FL 350', made 1 swab run (NS oi) NU BOP & TOH w/202 jts 2 7/8" tbg & Baker Model "R" prod pkr. Petrolog ran CR & JB to 6250', set Baker cement retnr @6230' TIH w/Baker stinger & 202 jts 2 7/8" tbg. Stung in retnr @6230'. Sqzd perfs 6242-50' w/50 sx cement @2800#. Reverse circ, TOH w/stinger. TIH w/Baker Model "R" prod. pkr on 195 jts (5994') 2 7/8" 6.5# N80 EUE used tbg. Set pkr @6010'. NU Xtree, SDON. CWC \$111,047.

8/7/83 - SITP 0/12 hrs. RU swab to SN 8 hrs. Total fluid 78 bbls. Had oil show after swabbing 21 bbls. Last hr swabbed 12 bbls w/20% oil cut & fair gas show. 36 hr SITP 75#, prep to run pump & rods. CWC \$112,337.

8/8/83 - SDFS.

CLARK 4-1

Summit County, UT

8/9/83 - 36 hr SITP 75#, FL 600', swabbed Stump perfs 6196-6210 4 hrs, rec 45 bbls 20% oil cut. Reisd pkr, NU BOP, TOH w/pkr. Ran gas anchor, Baker tbg anchor, SN on 200 jts 2 7/8" EUE 6.5# N80 8Rd used tbg. Set anchor @6166 w/SN @6165. ND BOP, PU 1 1/2" pump, 6 1" & 50 3/4" rods. SDON. CWC \$114,502.

CLARK #4-1  
 American Quasar Petroleum  
 SE SW Sec. 4-2N-7E  
 Summit Co., Utah

CLARK 4-1  
 Summit County, UT

8/10/83 - Finish rng rods as follows: 6 1" rods, 174 3/4", 58 7/8", 4 1". Hung off, reisd rig @1 PM 8/9/83. Prep to set PU. CWC \$115,660.

CLARK 4-1  
 Summit County, UT

8/13/83 - On 24 hr test, well flwd 0 BO, 83 BW, 0 MCF, 14/64" ck, 20 psi TP.

CLARK 4-1  
 Summit County, UT

8/22/83 - MIRU Well Tech #48. ND WH & RD PU. TOH w/rods. Pump parted in pump rod. PU 1 5/8" OS & TIH w/same. Could not catch fish. TOH, PU 5/8" grapple & 1 1/2" OS. TIH, catch fish & TOH w/pump. PU new pump, TIH w/new pump & rods. NU WH & RU PU. RDMO Well Tech #48. Put well on production. CWC \$2170.

CLARK 4-1  
 Summit County, UT

8/31/83 - MIRU Well Tech #48. RDPU. TOH w/rods parted in box on 1" btwn 244th & 245th. PU OS, TIH. Catch fish, TOH w/rods & pump. NU swab unit, tag fluid @2200'. Swab fluid from 3700' on 1st run, #2 2500' tag fluid, swab from 4500', run #3, tag fluid @2900', swab from 4900', run #4 tag fluid @3100', swab from 5100', NS oil. PU pump, TIH w/pump & rods. RU PU, RDMO Well Tech #48. Put well on production. CWC \$2537.

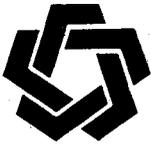
CLARK 4-1  
 Summit County, UT

8/9/83 - Set equipment from Newton Sheep 4-10S.  
 8/11/83 - Started unit.  
 8/22/83 - Pump parted in rod.  
 8/29/83 - Parted in box btwn 244 & 245 1" rod.

Fluid levels	
Date	Feet to Fluid
8/25/83	1000
8/29/83	4836
9/7/83	Pumped off
9/9/83	Pumped off-SWI
9/14/83	651
9/19/83	434 Started PU and test
9/22/83	No oil, CWI.

Well Test	TP	Oil	Wtr	Gas	SPM
8/13/83	20	0	83	tstm	14
8/14/83	20	0	7	tstm	14
8/24/83	45	0	84	2	14
8/28/83	25	0	70	3	14
9/1/83	45	0	72	3	10
9/8/83	25	0	78	0	12
9/20/83	25	3	227	0	13
9/22/83	25	0	71	tstm	

Well TA pending use for SWD. CWC \$126,832. FINAL REPORT



355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

June 25, 1987

070309

Champlin Petroleum Company  
Post Office Box 700  
2515 Foothill Boulevard  
Rock Springs, Wyoming 82902-0700

Gentlemen:

RE: Clark #4-1, Section 4, Township 2 North, Range 7 East,  
S.L.M., Summit County, Utah

In accordance with Rule 503(c), Oil and Gas Conservation General Rules and the Board of Oil, Gas and Mining Order in Docket No. 87-019, Cause No. UIC-095, issued on June 18, 1987, administrative approval to convert the referenced well to a Class II injection well is granted.

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

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

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

Best regards,

Dianne R. Nielson  
Director

mfp  
7627U

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

DO NOT DUPLICATE\*  
(Other information on reverse)

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Saltwater Disposal		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR Union Pacific Resources Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Box 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  SE SW Sec. 4		8. FARM OR LEASE NAME Clark
14. PERMIT NO.		9. WELL NO. Clark 4-1
15. ELEVATIONS (Show whether DF, RT, OR, etc.)  6636' KB		10. FIELD AND POOL, OR WILDCAT Pineview - Nugget
		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Sec. 4, T2N, R7E
		12. COUNTY OR PARISH 13. STATE Summit Utah

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	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"/>	

(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.)\*

Confirming the phone conversation on August 27, 1987 with Mr. Dan Jarvis, the Watton Canyon interval was not re-squeezed after a pressure test indicated a slow leak. No pump rate could be established into the zone. The Watton Canyon had previously been squeezed with 250 sx. cement on July 14, 1983 and 200 sx. cement on August 26, 1987. The Watton Canyon is adequately isolated by cement above and below. All zones above pressure tested satisfactorily. Upon commencement of injection, the casing pressure will be monitored daily and reported monthly to ensure that backside communication does not exist. Therefore, in lieu of Rule 505 (b) covering testing of a newly converted well, Rule 505 (c)2 will be used. A Sundry will be filed upon completion of the workover.

RECEIVED  
SEP 3 1987

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

SIGNED Keith J. Nosich TITLE Petroleum Engineer DATE 8/28/87

(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\*  
(0 Instructions on  
the 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. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Saltwater Disposal		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR UNION PACIFIC RESOURCES COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P.O. Box 700 Rock Springs, WY 82902-0700		7. UNIT ASSIGNMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface  SE SW Sec. 4		8. FARM OR LEASE NAME Clark
14. PERMIT NO.		9. WELL NO. 4-1
15. ELEVATIONS (Show whether DV, RT, OR, etc.) 6636' KB		10. FIELD AND POOL, OR WILDCAT Review - Nugget
16. COUNTY OR PARISH Summit		11. T, R, N, OR BLK. AND SURVEY OR AREA Sec. 4, T2N, R7E
17. STATE UT		12. COUNTY OR PARISH Summit
18. STATE UT		13. STATE UT

JAN 21 1988

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) Convert to Salt Water Disposal <input checked="" 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.)\*

The following work was performed from August 12 thru December in order to convert the subject well to a saltwater disposal well:

1. Set packer at 6054' & squeeze Stump perforations from 6196-6210' with 100 sx. cmt.
2. WOC. Drill out cmt. Pressure test to 1000 psi. Held O.K.
3. Drill out previously existing CICR at 6230' & cmt. to 6290'. Pressure test to 1000 psi. Held O.K.
4. Drill out previously existing CICR at 6295' & cmt. to 6400'. Pressure test to 1000 psi. Held O.K.
5. Drill out previously existing CICR at 9500' & cmt. to 9900'. Pressure test. Would not hold pressure.
6. Set packer at 9625'. Squeeze perforations with 200 sx. cmt. (two squeeze jobs). WOC 30 hrs.
7. Drill out cmt. Pressure test to 1000 psi. Had slow leak.
8. Obtain verbal from Dan Jarvis to proceed with workover. Sent Sundry dated 8/28/87 stating that in lieu of Rule 505(b) covering testing of a newly converted well, Rule 505(c) will be used to ensure mechanical integrity.
9. Perforate Nugget 10,368-530' with 4 JSPF. SD 8/29/87 waiting on tubulars.
10. From 11/23 thru 11/25 a string of 2-7/8" 6.5# N-80 8rd IPC tubing was run and set at 10,274' KB. The string pressure tested satisfactorily to 2500 psi.
11. A flowline connected the well to the disposal system on December 12, 1987. Disposal commenced January 16, 1988.

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

SIGNED Keith J. Nosich TITLE Petroleum Engineer DATE 01/18/88

(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

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

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

**RECEIVED**  
AUG 19 1988

**SUNDRY NOTICES AND REPORTS**

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SWD		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR Union Pacific Resource Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P.O. Box 700, Rock Springs, Wyoming 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 SESW Sec. 4		8. FARM OR LEASE NAME Clark
14. PERMIT NO. 43-043-30071		9. WELL NO. 4-1
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 6636' KB		10. FIELD AND POOL, OR WILDCAT Pineview-Nugget SWDW
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 4, 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 well was acidized on August 12, 1988 in order to increase disposal capacity in the Nugget and, consequently, reduce the dependency on the Stump disposal zone. The treatment consisted of 9000 gallons of 15% HCL acid. The well was returned to disposal following treatment.

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

SIGNED Keith J. Nosich TITLE Petroleum Engineer DATE 8-17-88  
Keith J. Nosich

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



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

LDC

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)

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.

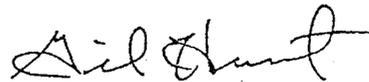


Page 2  
Pressure Test  
June 2, 1993

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

ldc  
Attachment  
WOI52

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: 43-043-30071 WELL NAME/NUMBER: Chart 4-1

SECTION: 4 TOWNSHIP: 2N RANGE: 7E

INITIAL CONDITIONS:

TUBING - rate:        pressure: 750 psi

CASING/TUBING ANNULUS - pressure: 0

CONDITIONS DURING TEST:

TUBING pressure: 750 psi for        minutes

CASING/TUBING ANNULUS pressure: 1000 psi

annulus pressure drop during test: 1000 psi

CONDITIONS AFTER TEST:

TUBING pressure: 750 psi

CASING/TUBING ANNULUS pressure: 0 psi

REMARKS:

Pumped approximately 100 BBLs fluid to Backside  
Pressured to 1000 psi fell off immediately  
Failed MIT

Paul Smith  
OPERATOR REPRESENTATIVE

D. James  
DOGMI WITNESS



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,

Dan Jarvis  
Geologist

ldc  
WUI34





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

*Enforcement*

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,

Dan Jarvis  
Geologist

ldc  
WUI34





**Union Pacific  
Resources**

A Subsidiary of Union Pacific Corporation

**RECEIVED**

JUL 15 1993

**DIVISION OF  
OIL GAS & MINING**

July 12, 1993

Mr. Dan Jarvis  
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

**43-043-30071**

Clark 4-1 SWDW - Workover to Restore Casing Integrity  
SW/4, Sec 4 T2N-R7E  
Pineview Field, Summit County, Utah

Dear Mr. Jarvis:

Union Pacific Resources Company (UPRC) intends to workover the Clark 4-1 to restore the casing integrity. The casing leak will be isolated and squeezed with cement. The repair should be complete in approximately 60 days.

The workover will involve unsetting the packer and pulling out the hole with the injection tubing. We would then run in the hole with a packer and plug on a workstring and isolate the casing leak, probably in the old Twin Creek perforations. The leak would be squeezed with cement and drilled out.

The leak is suspected to be in the old Twin Creek perfs because the fluid level appeared to have been at 7236' when the backside was loaded for the integrity test. I have attached a wellbore diagram which shows abandoned Twin Creek perforations from 9787' to 9888'.

The workover will require partner approval which requires 30 to 45 days for the partners to consider the workover.

If you have any questions concerning our plans for repairing the Clark 4-1 please feel free to call me at (817)877-7887. Thank you for your assistance in resolving this matter.

Very Truly Yours,

Fred McDougal  
Petroleum Engineer

c:\wp51\ltr\jarv.ltr

Clark 4-1 SWD  
43-043-30071

Pnewew Field  
Summit County, Utah

0 - 1508' 9 5/8" OD 40.00#/ft K-55 SURF CSG  
0 - 1826' 5 1/2" OD 17.00#/ft S-95 PROD CSG

1826 - 6471' 5 1/2" OD 17.00#/ft K-55 CSG

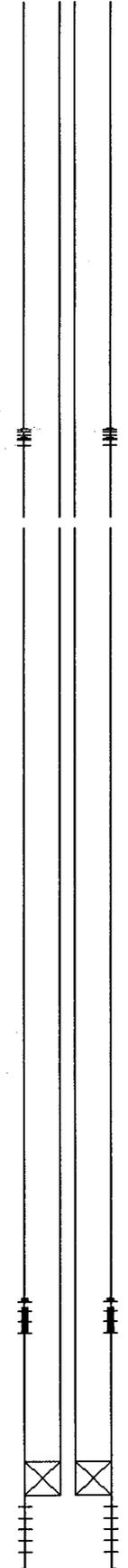
6346 - 6356' ABANDONED PERFS  
6300 - 6300' SQUEEZE PERFS  
6196 - 6210' ABANDONED PERFS  
6242 - 6252' ABANDONED PERFS  
6328 - 6338' ABANDONED PERFS  
6450 - 6450' SQUEEZE PERFS

0 - 10274' 2.875" OD 6.50#/ft TBG

9787 - 9797' ABANDONED PERFS  
9813 - 9888' ABANDONED PERFS

10266 - 10274' RETRV. PACKER  
10368 - 10530' PERFS

6471 - 10580' 5 1/2" OD 17.00#/ft S-95 CSG



PBTD: 10535'

STATE OF UTAH

DIVISION OF OIL, GAS AND MINING

INJECTION WELL - PRESSURE TEST

\*\*\*\*\*

TEST DATE: AUG. 24 1993 WELL OWNER/OPERATOR: UNION PACIFIC RES.

DISPOSAL WELL:  ENHANCED RECOVERY WELL:  OTHER:

API NO: 43-097-30071 WELL NAME/NUMBER: CLARK 4-1

SECTION: 4 TOWNSHIP: 2N RANGE: 7E

INITIAL CONDITIONS:

TUBING - rate: 3400 B/D pressure: 750

CASING/TUBING ANNULUS - pressure: 0

CONDITIONS DURING TEST:

TUBING pressure: 750 psi for 15 minutes

CASING/TUBING ANNULUS pressure: 1000 psi

annulus pressure drop during test: 0 psi

CONDITIONS AFTER TEST:

TUBING pressure: 750 psi

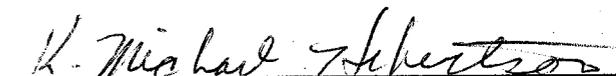
CASING/TUBING ANNULUS pressure: 0 psi

REMARKS:

DID NOT SHUT IN TUBING DURING TEST

TEST STARTED @ 9:20 AM ENDED @ 9:35

  
OPERATOR REPRESENTATIVE

  
DOGM WITNESS

Author: Paul R. Smith at UPRC-FW-F81  
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!

43-043-3003E  
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  
1694 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  
 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 14, 1996

Union Pacific Resources  
 P.O. Box 7, MS 3600  
 Fort Worth, Texas 76101-0007

Re: Mechanical Integrity of Disposal Wells Located in Summit County, Utah

Gentlemen:

Recently mechanical integrity tests were conducted on several of Union Pacific Resources Company's ("UPRC") disposal wells located in Summit County, four of which were witnessed by Division staff members. Five of the wells, which are listed below, would not pass a pressure test and thus did not demonstrate mechanical integrity.

Clark 4-1	Sec. 4, T2N, R7E	43-043-30071
UPRC #1	Sec. 17, T2N, R7E	43-043-30290
UPRC 33-1	Sec. 33, T2N, R6E	43-043-30233
UPRC 3-5	Sec. 3, T2N, R7E	43-043-30035
UPRC 10-3	Sec. 10, T2N, R7E	43-043-30097

The Clark 4-1, UPRC #1, and UPRC 33-1 wells are Nugget Formation injectors which appear to have casing leaks while tubing and packer remains sound. These wells should be repaired so that mechanical integrity is again established and maintained. This work should be commenced within 90 days following receipt of this letter.

The UPRC 3-5 and UPRC 10-3 wells are Stump injectors which according to monthly reports are not being used for injection. The 3-5 appears to have a casing leak while the 10-3 shows evidence of tubing and casing failure. The Division and Board of Oil, Gas and Mining have previously voiced concern about injection into the Stump Formation and in fact recommended



Page 2  
Union Pacific Resources  
August 14, 1996

discontinuing this practice, letter dated August 2, 1988 and Order in Cause No. 160-14, (both available upon request). Subsequently, we recommend that UPRC give serious consideration to plugging both of these wells.

The UPRC 5-1 (Jones) well was not tested and is reportedly on the list for plugging by UPRC. Since this well has demonstrated integrity problems in the past and is not being used for injection we also encourage plugging it. *Sec. 5, 2N, 7E 43-043-30004*

If you would like to discuss the testing and/or your plans for repair of the wells, please contact me at 801-538-5297 or Dan Jarvis at 801-538-5338.

Sincerely,



Gil Hunt  
Environmental Manager, Oil & Gas

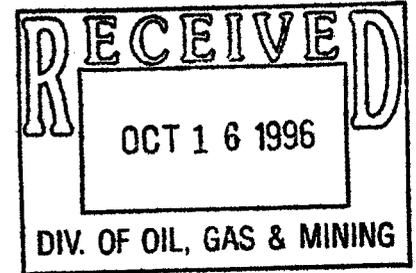


**Union Pacific  
Resources**

A Subsidiary of Union Pacific Corporation

October 15, 1996

Division of Oil, Gas and Mining  
Utah Department of Natural Resources  
P. O. Box 14581  
1594 West North Temple - Suite 1210  
Salt Lake City, Utah 84114-5801



ATTN: Mr. Gil Hunt

**RE: Sundry Notice of Intent to Repair Casing Leak  
UPRC Clark 4-1 SWD  
Section 4, T. 2 N., R. 7 E., SLM  
Summit Juan County, Utah**

Dear Mr. Hunt:

Enclosed please find one original plus one copy of a Sundry Notice of Intent to Repair Casing Leak for the above referenced well located in Summit County, Utah, along with the proposed procedure. We will appreciate your earliest consideration and approval of the request.

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

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> <small>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.</small>	5. Lease Designation and Serial No. <b>Fee</b>
	6. If Indian, Allottee or Tribe Name <b>NA</b>
	7. Unit Agreement Name <b>NA</b>
	8. Well Name and Number <b>Clark 4-1 SWD</b>
	9. API Well Number <b>43-043-30071</b>
10. Field and Pool, or Wildcat <b>Pineview</b>	

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

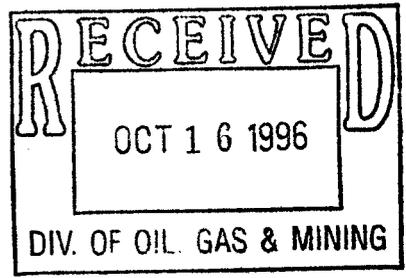
Footages	660' FSL, 1980' FWL Sec. 4, T. 2 N., R. 7 E.	County	Summit
QQ, Sec., T., R., M.	SE/4SW/4 Sec. 4, T. 2 N., R. 7 E.	State	Utah

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

NOTICE OF INTENT <small>(Submit in Duplicate)</small>	SUBSEQUENT REPORT <small>(Submit Original Form Only)</small>
<input checked="" type="checkbox"/> Abandonment <input type="checkbox"/> New Construction <input type="checkbox"/> Casing Repair <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Recompletion <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Fracture Test <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Multiple Completion <input type="checkbox"/> Water Shutoff <input checked="" type="checkbox"/> Other: Sundry Request	<input type="checkbox"/> Abandonment * <input type="checkbox"/> New Construction <input type="checkbox"/> Casing Repair <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Water Shut-Off Shutoff <input type="checkbox"/> Other _____
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).

Union Pacific Resources Company proposes to attempt to repair a casing leak in the Clark 4-1 SWD according to the accompanying procedure. We will appreciate your prompt consideration and approval of this request.



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: 96-10-15

(This space for State use only)  
*JM Matthews*      *Petroleum Engineer*      *10/25/96*

## CLARK 4-1

**Objective:** To place a Mara-Seal treatment in the Watton formation in order to provide a positive surface pressure test of 1,000 psi as per the state of Utah.

**Info:** See attached well schematic. The well was recently injected into the annulus where it was found to have an injection rate of 0.5 - 1.0 BPM into the Watton formation.

<b><u>Field :</u></b>	Pineview	<b><u>Max. Surface Press. :</u></b>	5,500 psi **Check Wellhead Rating
<b><u>Location :</u></b>	Sec. 4 T2N R7E	<b><u>BHST (Est.) :</u></b>	177 ° F
<b><u>County / State :</u></b>	Summit Co., Utah		

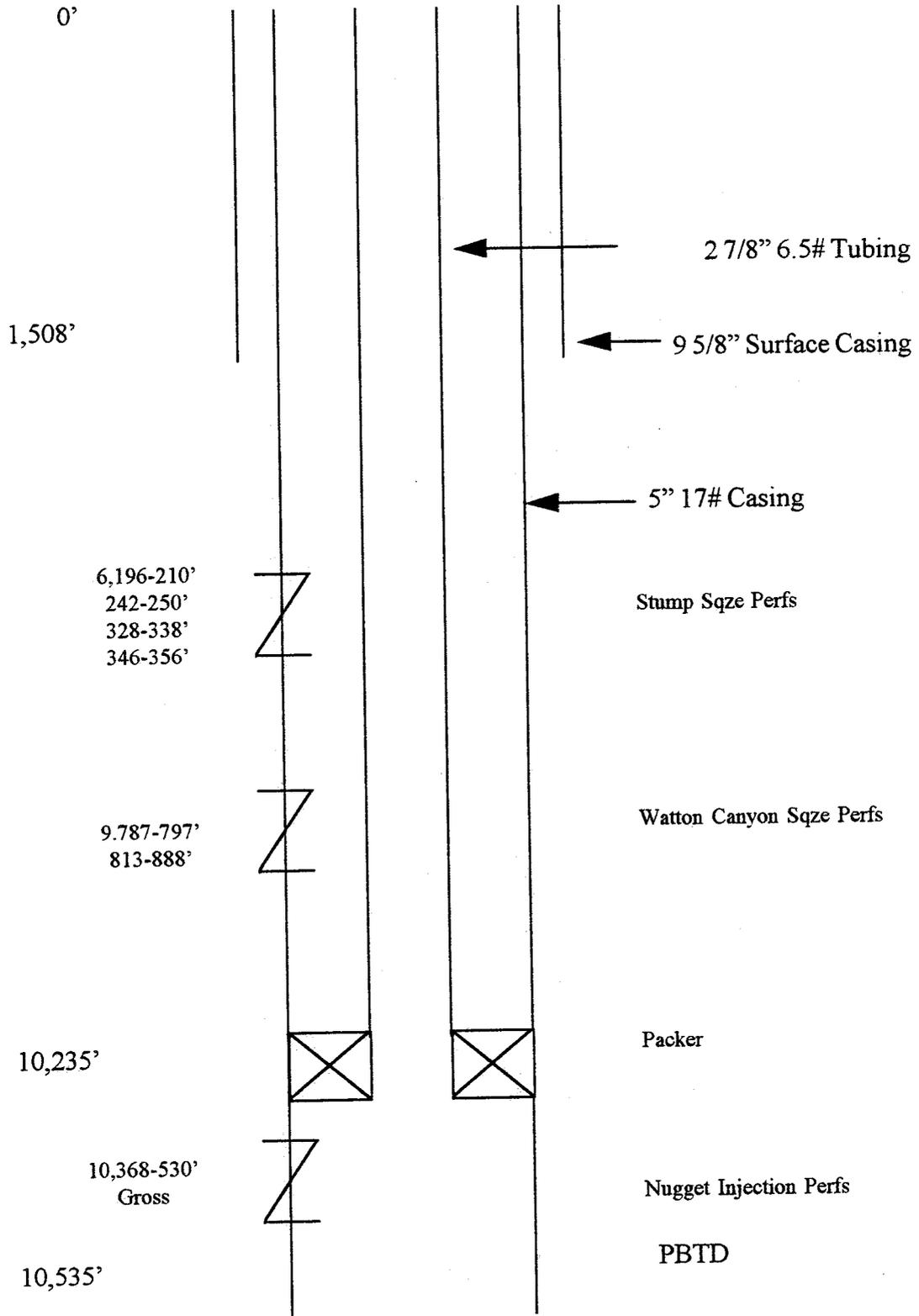
### **Procedure:**

1. RU Dowell to annulus. Continue water disposal in the Nugget in order to ensure that Mara-Seal does not channel behind casing.
2. Test Lines.
3. Pump 5 BBL's water to ensure tree is correct and establish injection rate.
4. Pump 135 BBL's Mara-Seal . Attempting to place 100 BBL's Mara-Seal in the formation and 35 BBL in the Tubing Annulus.
5. Displace with 114 BBL's water.
6. RD Dowell and allow Mara-Seal 2 Days to crosslink.

Use the following concentrations:

- J492 - 18.4 #/BBL (5 %)      Gelling Agent
- J491 - 0.39 gal/BBL          Crosslinker
- J493 - 0.95 gal/BBL          Delay Agent

# Clark 4-1



STATE OF UTAH  
Division of Oil, Gas and Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

INJECTION WELL - PRESSURE TEST

Test Date: <u>11-4-96</u>	Well Owner/Operator: <u>UPRC</u>	
Disposal Well: <input checked="" type="checkbox"/>	Enhanced Recovery Well: _____	Other: _____
API No.: <u>43-043-3007</u>	Well Name/Number: <u>Clark 4-1</u>	
Section: <u>04</u>	Township: <u>2N</u>	Range: <u>7E</u>

Initial Conditions:

Tubing - Rate: 700 bbls/day Pressure: 820 psi  
Casing/Tubing Annulus - Pressure: 600 psi

Conditions During Test:

<u>Time (Minutes)</u>	<u>Annulus Pressure</u>	<u>Tubing Pressure</u>
0	<u>600</u>	<u>820</u>
5	<u>625</u>	<u>820</u>
10	<u>650</u>	<u>820</u>
15	<u>700</u>	<u>820</u>
20	<u>725</u>	<u>820</u>
25	<u>750</u>	<u>820</u>
30	<u>800</u>	<u>820</u>

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: 820 psi  
Casing/Tubing Annulus Pressure: 600 psi

REMARKS:

An attempt was made to seal off lsg leak above the packer without shutting down injection using "Mara Seal" some type of polymer w/ crosslinker. At 800 psi hot oiler was pumping into well at 1/2 BPM.

Martin Jalbot  
Operator Representative

J. Matthews  
DOGDM Witness

FORM 9

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

<p><b>SUNDRY NOTICES AND REPORTS ON WELLS</b></p> <p>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.</p>		6. Lease Designation and Serial No.
		Fee
		6. If Indian, Allottee or Tribe Name
		NA
		7. Unit Agreement Name
		NA
1. Type of Well:		8. Well Name and Number
OIL ( ) GAS ( ) OTHER: ( ) INJ. ( X )		Clark 4-1 SWD
2. Name of Operator		9. API Well Number
Union Pacific Resources Company		43-043-30071
3. Address and Telephone Number		10. Field and Pool, or Wellcat
P. O. Box 7 MS 3006 Fort Worth, Texas 76101-0007		PINEVIEW
Telephone (817) 877-6000 (Main Number)		

4. Location of Well

Footages 660' FSL, 1980' FWEL Sec. 4, T. 2 N., R. 7 E. County Summit

OO, Sec., T., R., M. (SE/4SW/4) Sec. 4, 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)
<input type="checkbox"/> Abandonment	<input type="checkbox"/> Abandonment *
<input checked="" type="checkbox"/> Casing Repair	<input type="checkbox"/> Casing Repair
<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Conversion to Injection
<input type="checkbox"/> Fracture Test	<input type="checkbox"/> Fracture Test
<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Other _____
<input type="checkbox"/> Other:	
<input type="checkbox"/> New Construction	<input type="checkbox"/> New Construction
<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Pull or Alter Casing
<input type="checkbox"/> Recompletion	<input type="checkbox"/> Shoot or Acidize
<input type="checkbox"/> Shoot or Acidize	<input type="checkbox"/> Vent or Flare
<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Water Shut-Off Shutoff
<input type="checkbox"/> 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).

Union Pacific Resources Company proposes to work the above referenced well over as per the attached procedure. The program is designed to determine if there is indeed a casing integrity problem or a leaking packer/tubing package.

We will appreciate your earliest attention to, and approval of, this request.

**Accepted by the State of Utah Division of Oil, Gas and Mining**  
Date: 11-25-96  
By: [Signature]

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 [Signature] Title: Senior Regulatory Analyst Date: 96-11-22

(This space for State use only)

Clark 4-1 SWD  
43-043-30071  
Pineview Field  
AFE #A2877  
Supplement No. 1

**Pertinent Information:**

Location: SESW 4-T2N-R7E  
Summit County, Utah

TD: 10,580'  
 PBTD: 10,535'  
 GL: 6491'  
 KB: 6507'

Surface Casing: 9 5/8", 36 & 40#, K-55, LT&C csg at 1508'. Cmtd in 12 1/4" hole  
 w/ 700 sx Howco Lite + 320 sx Class G.  
 Burst = 3520 psig; collapse = 2020 psig.

Production: 5 1/2", 17# , N-80, K-55 & S-95, LT&C set to 10,580'. Cmtd in  
 8 3/4" hole w/ 971 sx 50-50 Pozmix sxs Class G.  
 Float collar at 10,536'. TOC 6922'.  
 Burst = 5320 psig; collapse = 4910 psig

\*\*Note: Tite spots encountered at 6,021' and 8,860' in 8/93 workover.

Tubing: 2 7/8", 6.5#, N-80, IPC (TK-69) w/ MMS couplings (329 jts)

Packer: Backer Model R-3 at 10,235' w/20,000 compression.

Perforations: Nugget 10,368-530 Disposal interval

Twin Creek 9,787-792 Both sets sqzd w/ 450 sxs "H"  
 9,813-888

Stump 6,196-210 All sqzd w/ 60 sx Class H  
 6,242-250  
 6,328-338  
 6,346-356

**Objective:**

Repair mechanical integrity of the subject well. Casing-tubing annulus failed to test to 1000 psi as required by Utah Department of Natural Resources. A Mara-Seal job was pumped, but failed to restore the requisite mechanical integrity. Recent data indicates possible tubing or packer leak.

**Procedure:**

1. MIRU completion rig and associated equipment. Set pipe racks. Haul and unload 2 7/8" workstring.
2. ND tree. NU BOP
3. Rig up on tubing and release Baker Model R-3 injection packer at 12,235'. Allow 5 minutes for slips to contract and element to relax. Pull up one joint and reset packer. Pressure test backside to 1000 psi for 30 minutes. If backside tests, ND BOP, NU tree, and RDMO.
4. Reverse out Mara-Seal treatment. Dowell to provide U-42 to break gel.
5. Pull out of hole with 2 7/8", 6.5#, N-80, IPC (TK-69) w/ MMS couplings (329 jts) tubing and injection packer.
6. PU RBP, retrievable packer, and 2 7/8", 6.5#, N-80 workstring.
7. RIH and set RBP at 10,000' ±. PU and set packer at 9,600'. Pressure test interval to 1000 psi. If interval will not hold pressure, establish injection rate into leak. Dump two sx sand on RBP and POOH. Go to Step 9.
8. Release packer and move up hole testing to isolate leak. After isolating leak, squeeze as in Steps 9 thru 11 below with revised depths..
9. PU CICR and RIH to approximately 9,680' and set. MIRU Dowell to squeeze leak. Procedure and design will be determined based upon injectivity.
10. Sting out of CICR and reverse out 1.5 tubing volumes. POOH.
12. TIH w/ bit and tag cement top. Drill out CICR and cement. Test squeeze.
12. POOH and lay down workstring. Wireline set permanent packer at 10, 235' ±. PU seal assembly and RIH on injection tubing to permanent packer. (Note: permanent packer to have one joint of tailpipe and profile nipples for setting blanking plug). Test backside. Circulate packer fluid.
13. ND BOP, NU tree, and RDMO.

---

J. R. (Rob) Dunleavy

cc: Pete Straub  
Marty Talbott

STATE OF UTAH  
 Division of Oil, Gas and Mining  
 355 West North Temple  
 3 Triad Center, Suite 350  
 Salt Lake City, Utah 84180-1203

**INJECTION WELL - PRESSURE TEST**

Test Date: <u>4/19/97</u>	Well Owner/Operator: <u>Union Pacific Resources</u>	
Disposal Well: <u>yes</u>	Enhanced Recovery Well: _____	Other: _____
API No.: <sup>043</sup> 43- <u>30071</u>	Well Name/Number: <u>Clark 4-1</u>	
Section: <u>4</u>	Township: <u>2N</u>	Range: <u>7E</u>

**Initial Conditions:**

Tubing - Rate: \_\_\_\_\_ Pressure: 680 psi  
 Casing/Tubing Annulus - Pressure: 0 psi

**Conditions During Test:**

<u>Time (Minutes)</u>	<u>Annulus Pressure</u>	<u>Tubing Pressure</u>
0	<u>0</u>	<u>680</u>
5	<u>1000</u>	<u>680</u>
10	<u>1000</u>	<u>680</u>
15	<u>1000</u>	<u>680</u>
20	<u>1000</u>	<u>680</u>
25	<u>1000</u>	<u>680</u>
30	_____	_____

Results: Pass/Fail

**Conditions After Test:**

Tubing Pressure: 680 psi  
 Casing/Tubing Annulus Pressure: 0 psi

**REMARKS:**

Shut in pressure held @ 1000#S PSE for 25 minutes  
No bleed off during shut in time. Injection meter  
read 196 BBLS at time of test.

*Paul Smith*  
 Operator Representative

*Jessie Chapman*  
 DOGM Witness

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> <small>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.</small>	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 Clark 4-1 SWD
	9. API Well Number 43-043-30071
10. Field and Pool, or Wildcat Pineview	

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

2. Name of Operator  
Union Pacific Resources Company

3. Address and Telephone Number  
P. O. Box 7 MS 29-3006-01 Fort Worth, Texas 76101-0007  
Telephone (817) 321-6739

4. Location of Well

Footages	660' FSL, 1980' FWL	County	Summit
QQ, Sec., T., R., M.	(SESW) Sec. 4, T2N-R7E	State	Utah

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

**NOTICE OF INTENT**  
(Submit in Duplicate)

<input type="checkbox"/> Abandonment	<input type="checkbox"/> New Construction
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing
<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Shoot or Acidize
<input type="checkbox"/> Fracture Test	<input type="checkbox"/> Vent or Flare
<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Water Shutoff

Other: **Change of Operator**

Approximate date work will start: Upon Approval

**SUBSEQUENT REPORT**  
(Submit Original Form Only)

<input type="checkbox"/> Abandonment *	<input type="checkbox"/> New Construction
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing
<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Shoot of Acidize
<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Vent or Flare
<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Water Shut-Off Shutoff
<input type="checkbox"/> 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).

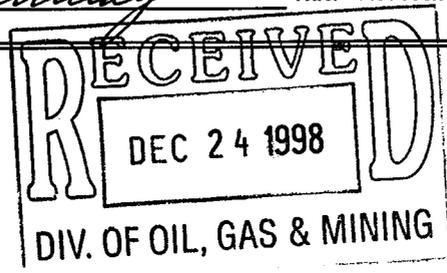
Union Pacific Resources Company has sold the captioned well to Citation Oil & Gas Corp. P. O. Box 690688, Houston, Texas 77269-0688 and requests that Citation be named Operator of Record effective January 1, 1999. Please release this well from coverage under Union Pacific Resources Company's Utah Statewide Bond #2447222.

On behalf of Union Pacific Resources Company I hereby certify that the foregoing is true and correct:  
Dorothy Moravek *Dmoravek* Title: Regulatory Analyst Date 12-18-98

By execution of this document, Citation Oil & Gas Corp. requests the State of Utah to approve it as Operator of Record for the above captioned well. Citation accepts responsibility for this well under it's Utah Statewide Bond #587800.

13. On behalf of Citation Oil & Gas Corp. I hereby certify that the foregoing is true and correct:  
Robert T. Kennedy *Robert T. Kennedy* Title: Vice President-Land Date 12-22-98

(This space for State use only)  
(12/92)



Page 3  
Dorothy Moravek  
Notification of Sale  
January 27, 1999

Your assistance in this matter is appreciated.

Sincerely,

A handwritten signature in black ink that reads "Kristen D. Risbeck". The signature is written in a cursive style with some capital letters.

Kristen D. Risbeck

cc: Citation Oil & Gas Corporation  
Utah Royalty Owners Association, Kent Stringham  
John R. Baza, Associate Director  
Operator File(s)

01/19/99

DETAIL WELL DATA

menu: opt 00

api num: 4304330071 prod zone: NGSD sec twnshp range qr-qr  
 entity: 2225 : CLARK 4-1 4 2.0 N 7.0 E SESW  
 well name: CLARK 4-1  
 operator: N9465 : UNION PACIFIC RESOURCES CO meridian: S  
 field: 535 : PINEVIEW  
 confidential flag: confidential expires: alt addr flag:

\* \* \* application to drill, deepen, or plug back \* \* \*

lease number: FEE lease type: 4 well type: OW  
 surface loc: 0660 FSL 1980 FWL unit name:  
 prod zone loc: 0660 FSL 1980 FWL depth: 10500 proposed zone: NGSD  
 elevation: 6636' KB apd date: 780104 auth code: 160-6  
 \* \* completion information \* \* date recd: la/pa date:  
 spud date: 780201 compl date: 871212 total depth: 10580'  
 producing intervals: 10368-10530'  
 bottom hole: 0660 FSL 1980 FWL first prod: 880116 well status: WDW  
 24hr oil: 24hr gas: 24hr water: gas/oil ratio:  
 \* \* well comments: directionl: api gravity:  
 880116 COMM WDW;SEE STUMP & TWNCR:

opt: 21 api: 4304330071 zone: date(yymm): enty acct: N9465



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

Michael O. Leavitt  
Governor  
Ted Stewart  
Executive Director  
Lowell P. Braxton  
Division Director

1594 West North Temple, Suite 1210  
PO Box 145801  
Salt Lake City, Utah 84114-5801  
801-538-5340  
801-359-3940 (Fax)  
801-538-7223 (TDD)

January 27, 1999

Union Pacific Resources Company  
Attn: Dorothy Moravek  
P.O. Box 7 MS 29-3006-01  
Fort Worth, Texas 76101-0007

Re: Notification of Sale or Transfer of Fee Lease Interest

The Division has received notification of a change of operator from Union Pacific Resources Co. to Citation Oil & Gas Corporation for the following well(s) which are located on a fee lease:

<u>Well Name</u>	<u>Sec.-T.-R.</u>	<u>API Number</u>
Bingham 1-43-3	03-02N-07E	43-043-30029
Judd 34-3	34-02N-06E	43-043-30098
Judd 34-1	34-02N-06E	43-043-30061
UPRR 3-1	03-02N-07E	43-043-30012
UPRR 3-2	03-02N-07E	43-043-30015
UPRR 3-6	03-02N-07E	43-043-30036
UPRR 3-9	03-02N-07E	43-043-30151
Bingham 2-1	02-02N-07E	43-043-30026
Bingham 2-1A	02-02N-07E	43-043-30125
Bingham 2-2	02-02N-07E	43-043-30028
Bingham 2-3	02-02N-07E	43-043-30033
Bingham 2-4	02-02N-07E	43-043-30038
Bingham 10-1	10-02N-07E	43-043-30025
Pineview 4-3	04-02N-07E	43-043-30077
Pineview 4-4S	04-02N-07E	43-043-30083
Blonquist 26-3	26-02N-06E	43-043-30235
Newton Sheep 1	18-02N-07E	43-043-30284
UPRR 1H 19-2X	19-02N-07E	43-043-30300
Judd 34-1H	34-02N-06E	43-043-30301
UPRR 3-10	03-02N-07E	43-043-30302
UPRR 17-2H	17-02N-07E	43-043-30304

Page 2  
Dorothy Moravek  
Notification of Sale  
January 27, 1999

<u>Well Name</u>	<u>Sec.-T.-R.</u>	<u>API Number</u>
UPRR 35-2H	35-02N-06E	43-043-30305
Newton Sheep 20-1H	20-02N-07E	43-043-30310
Judd 4-1H	04-01N-06E	43-043-30311
Blonquist 26-1H	26-02N-06E	43-043-30314
Bingham 2-6H	02-02N-07E	43-043-30317
UPR 3-11H	03-02N-07E	43-043-30318
Blonquist 26-4	26-02N-06E	43-043-30268
UPRC 33-1	33-02N-06E	43-043-30233
Clark 4-1	04-02N-07E	43-043-30071
UPRC 1	17-02N-07E	43-043-30290
B.A. Bingham & Sons 1	02-02N-07E	43-043-30295

Utah Administrative Rule R649-2-10 states; the owner of a lease shall provide notification to any person with an interest in such lease, when all or part of that interest in the lease is sold or transferred.

This letter is written to advise Union Pacific Resources Co. of its responsibility to notify all individuals with an interest in this lease (royalty interest and working interest) of the change of operator. Please provide written documentation of this notification to:

Utah Royalty Owners Association  
Box 1292  
Roosevelt, Utah 84066



March 29, 1999

Kristen Risbeck  
State of Utah  
P O Box 145801  
Salt Lake City, Utah 84114-5801

Re: Transfer of Authority to Inject

Dear Ms. Risbeck:

Enclosed please find an original and one copy of the form 5 to transfer the following wells into Citation Oil & Gas Corp.'s name.

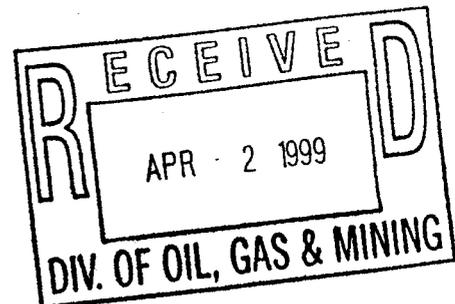
UPRC 33-1 SWD	43-043-30233
Blonquist 26-4 SWD	43-043-30268
Clark 4-1 SWD	43-043-30071
Exxon UPRC #1 SWD	43-043-30290
B. A. Bingham & Sons Inc. #1	43-043-30295

If you have any questions regarding this form, please contact the undersigned at 281-469-9664.  
Thank you.

Sincerely,

Sharon Ward  
Regulatory Administrator

Cc: Dorothy Moravek  
UPRC



STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

Well name and number: Clark 4-1 SWD

Field or Unit name: Pineview API No. 43-043-30071

Well location: QQ SESW Section 4 Township 2N Range 7E County Summit

Effective Date of Transfer: January 1, 1999

CURRENT OPERATOR

Transfer approved by:

Name	<u>Dorothy Moravek</u>	Company	<u>Union Pacific Resources Company</u>
Signature	<u><i>D Moravek</i></u>	Address	<u>P. O. Box 7, MS 29-3006-01</u>
Title	<u>Regulatory Analyst</u>		<u>Fort Worth, Texas 76101</u>
Date	<u>March 23, 1999</u>	Phone	<u>( 817 ) 321-6739</u>

Comments:

NEW OPERATOR

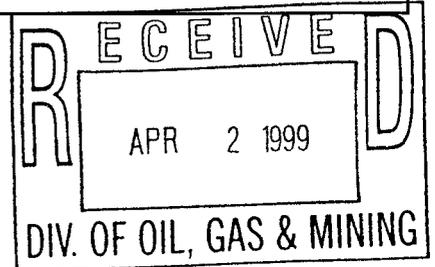
Transfer approved by:

Name	<u>Sharon Ward</u>	Company	<u>Citation Oil &amp; Gas Corp.</u>
Signature	<u><i>Sharon Ward</i></u>	Address	<u>P. O. Box 690688</u>
Title	<u>Regulatory Administrator</u>		<u>Houston, Texas 77269-0688</u>
Date	<u>March 29, 1999</u>	Phone	<u>(281) 469-9664</u>

Comments:

(State use only)  
Transfer approved by *[Signature]* Title *Tech. Services Manager*

Approval Date *4-8-99*



# OPERATOR CHANGE WORKSHEET

1-KDR ✓	6-KAS ✓
2-CLH ✓	7-SJ ✓
3-JRB ✓	8-FILE ✓
4-CDWL ✓	
5-KDR ✓	

Attach all documentation received by the division regarding this change.  
Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold)
- Designation of Operator
- Designation of Agent
- Operator Name Change Only

The operator of the well(s) listed below has changed, effective: 1-1-99

**TO:** (new operator) CITATION OIL & GAS CORP  
 (address) P.O. BOX 690688  
HOUSTON, TX 77269-0688  
RUTH ANN ALFORD  
 Phone: (281) 469-9664  
 Account no. N0265

**FROM:** (old operator)  
(address)

UNION PACIFIC RESOURCES CO  
P.O. BOX 7 MS 29-3006-01  
FORT WORTH, TX 76101-0007  
DOROTHY MORAVEK  
 Phone: (817) 321-6739  
 Account no. N9465

**WELL(S)** attach additional page if needed:

Name: <u>*SEE ATTACHED*</u>	API: <u>43-043-30071</u>	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

## OPERATOR CHANGE DOCUMENTATION

- KDR 1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). *(Rec'd 12.24.98)*
- KDR 2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). *(Rec'd 12.24.98)*
- N/A 3. The **Department of Commerce** has been contacted if the new operator above is not currently operating any wells in Utah. Is the company **registered with the state?** (yes/no) \_\_\_\_\_ If yes, show company file number: \_\_\_\_\_
- N/A 4. **FOR INDIAN AND FEDERAL WELLS ONLY.** The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of **Federal** and **Indian** well operator changes should ordinarily take place prior to the division's approval, and before the completion of **steps 5 through 9** below.
- KDR 5. Changes have been entered in the **Oil and Gas Information System (3270)** for each well listed above. *(3.11.99)*
- KDR 6. **Cardex** file has been updated for each well listed above.
- N/A 7. Well **file labels** have been updated for each well listed above. *(\*new filing system)*
- KDR 8. Changes have been included on the monthly "Operator, Address, and Account Changes" **memo** for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. *(3.11.99)*
- KDR 9. A folder has been set up for the **Operator Change file**, and a copy of this page has been placed there for reference during routing and processing of the original documents.

**ENTITY REVIEW**

VDP 1. (r649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) NO If entity assignments were changed, attach copies of Form 6, Entity Action Form.

VDP 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been notified through normal procedures of entity changes.

**BOND VERIFICATION - (FEE WELLS ONLY)**

VDP 1. (r649-3-1) The NEW operator of any fee lease well listed above has furnished a proper bond.  
(rec'd 2.11.99 Bond # RSB-670565)

VDP 2. A copy of this form has been placed in the new and former operator's bond files.

VDP 3. The FORMER operator has requested a release of liability from their bond (yes/no) YES, as of today's date \_\_\_\_\_ . If yes, division response was made to this request by letter dated 3.10.99.

**LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY**

N/A 1. Copies of documents have been sent on \_\_\_\_\_ to \_\_\_\_\_ at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.

VDP 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated 1.27.99 19 \_\_, of their responsibility to notify all interest owners of this change.

**FILMING**

VS 1. All attachments to this form have been microfilmed. Today's date: 5.12.99.

**FILING**

\_\_\_ 1. Copies of all attachments to this form have been filed in each well file.

\_\_\_ 2. The original of this form, and the original attachments are now being filed in the Operator Change file.

**COMMENTS**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



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

1594 West North Temple, Suite 1210  
PO Box 145801  
Salt Lake City, Utah 84114-5801  
(801) 538-5340 telephone  
(801) 359-3940 fax  
(801) 538-7223 TTY  
www.nr.utah.gov

Michael O. Leavitt  
Governor  
Robert L. Morgan  
Executive Director  
Lowell P. Braxton  
Division Director

August 28, 2002

Val Meadows  
Citation Oil and Gas Corporation  
3603 East Chalk Creek Road  
Coalville UT 84017

Re: Pressure Test for Mechanical Integrity, Clark 4-1 Well, Section 4, Township 2 North, Range 7 East, Summit County, Utah

Dear Val:

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. Rule R649-5-5.3 of the Oil and Gas Conservation General Rules 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 once in every five-year period beginning in October 1982. Please make arrangements and ready the well for testing during the week of September 23rd or September 30th 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.
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.

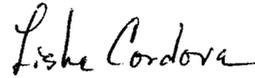
Page 2

Citation Oil and Gas Corporation

August 28, 2002

Please contact me at (801) 538-5296 to arrange a meeting time and place or negotiate a different date, if this one is unacceptable.

Sincerely,

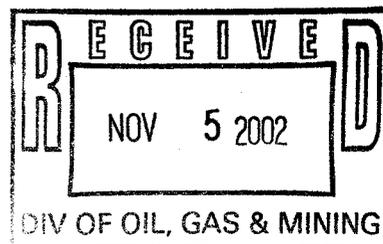
A handwritten signature in cursive script that reads "Lisha Cordova".

Lisha Cordova  
Reclamation Specialist

er



Union Pacific Resources						30-Oct-96		
Daily Completion and Workover Report						DAY # 1		
Proposed Work:			Repair Mechanical Integrity					
PC:	Land Grant					Team: Overthrust		
Lse:	Clark 4-1					Field: Pineview		
Rig:	Dowell / Schlu					Supervisor: Smith		
Casing & Tubing								
OD	WT	Grade	Remarks					
9 5/8"			1508'					
5 1/2"			10560'					
Packer Detail			Packer Set @ 10274'					
MD	Type		Remarks					
			Perfs. '10368' to 10530' 4 shots per ft.					
Operations						BHA		
From	To							
00:00			MIRU Dowell Schlumberger			Qty	Description	Length
			RU Hotco Hot oil truck heat water to 80 degrees					
			Pressure test equipment to 5800 PSI					
			Pump 5 BBL's to get pump rate 1 BBLPM @900				KB	6.00
			Mix Mara-Seal			326	2 7/8" Duroline J-55 tbg	10287.50
			Pump 170 BBL's Mara-Seal @ 2.75BBLPM				Baker R-3 Retreavable	6.50
			1240 PSI				Packer	0.00
			Pump 79 BBL's Displacement					0.00
			Close in Backside with 590PSI on it					0.00
			Will test Monday Nov. 4th @ 10Am					0.00
			State will be here to witness					0.00
						Total BHA		10280.00
						Costs		
NOTE:						Qty	Description	Cost
							Rig	\$0
							BOP	\$0
							Dowell Schlumberger	\$22,534
							Centralift	\$0
							Western Co.	\$0
							Trucking	\$0
							Baker (relief sub) redress	\$0
							Dalbo	\$1,232
							Hot-Co	\$583
							Spooler	\$0
						Total Daily Cost		\$24,349
						Cumulative Cost to Date		\$24,349















# Union Pacific Resources

Day # 14

03/18/97

## Daily Completion and Workover Report

Proposed Work: Repair csg integrity

Field: PINEVIEW

Location: SW SW Sec.4 - Twn 2n - Rng 7e

Lse: CLARK 4-1

GL Elev: 6491'

AFE# A2877

KB Elev: 6507'

### Casing & Liner

Perforations: 10368' - 10530'

OD WI Grade Remarks

9-5/8 36&40 k55 0 - 1508'

5-1/2 17 n80 0 - 10580'

### Operations

From To

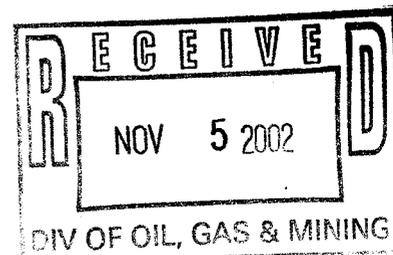
07:30 Discuss job details and safety.  
 RU and TIH w/167 jts 2-7/8" internally coated TK-99  
 tbg w/MMS collars.  
 15:30 RU and pump 35 bbls fresh water with biocide down  
 csg and caught returns to flat tank. RU and pump 170  
 bbls fresh water w/Champion Cortron R-2383 pack fluid  
 Set packer and stack out with 24 K down.  
 Pressure test csg to 1000 psig for 15 min (OK).  
 19:30 Secure well and location. SDFN.

### BHA

Qty	Description	Length
1	kb	12.00
333	2-7/8" inter-coated TK-99 tbg, w/MMS cplgs	10247.67
1	R-3 nickle plated pkg	7.20
1	2-7/8" inter-coated TK-99 tbg, w/MMS cplgs	31.05
1	"F" Nipple	1.04
1	2-7/8" cplg	0.44
<b>Total BHA</b>		<b>10299.40</b>

### Costs

Qty	Description	Cost
	Rig	\$2,600
	Rentals	\$400
	Labor	\$200
	Water Truck	
	Trucking	\$4,000
	Baker	\$2,800
	Huntington Interlock	\$4,400
	Tubing	\$10,000
	Contingency 5%	\$1,220
<b>Total Daily Cost</b>		<b>\$24,400</b>
<b>Cumulative Cost to Date</b>		<b>\$91,095</b>



INJECTION WELL - PRESSURE TEST

Well Name: Clark 4-1 API Number: 43-043-30071  
 Qtr/Qtr: SESW Section: 4 Township: 2N Range: 7E  
 Company Name: Citation Oil & Gas Corp.  
 Lease: State \_\_\_\_\_ Fee  Federal \_\_\_\_\_ Indian \_\_\_\_\_  
 Inspector: J. Cordova / D. Jarvis Date: 10-29-2002

Initial Conditions:

Tubing - Rate: \_\_\_\_\_ Pressure: 0 psi  
 Casing/Tubing Annulus - Pressure: 0 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>0</u>	<u>0</u>
5	<u>1100</u>	<u>0</u>
10	<u>1100</u>	<u>0</u>
15	<u>1100</u>	<u>0</u>
20	_____	_____
25	_____	_____
30	_____	_____

Results: Pass / Fail

Conditions After Test:

Tubing Pressure: 0 psi  
 Casing/Tubing Annulus Pressure: 0 psi

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

[Signature]  
 Operator Representative

**INJECTION WELL - PRESSURE TEST**

Well Name: Clark 4-1 (WDW) API Number: 43-043-30071  
 Qtr/Qtr: SESW Section: 4 Township: 2N Range: 7E  
 Company Name: Citation Oil & Gas Corp (No 265)  
 Lease: State \_\_\_\_\_ Fee  Federal \_\_\_\_\_ Indian \_\_\_\_\_  
 Inspector: Lisha Cordova Date: 10/25/07  
HR Turner Trucking Inc.

Initial Conditions:

Tubing - Rate: 3200 bpd Pressure: 1000 psi  
 Casing/Tubing Annulus - Pressure: 0 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1000</u>	<u>1000</u>
5	<u>1000</u>	<u>1000</u>
10	<u>1000</u>	<u>1000</u>
15	<u>1000</u>	<u>1000</u>
20	_____	_____
25	_____	_____
30	_____	_____

Results Pass/Fail

Conditions After Test:

Tubing Pressure: 1000 psi  
 Casing/Tubing Annulus Pressure: 0 psi

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_

Lisha Cordova  
 Operator Representative

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

FORM 9

**CONFIDENTIAL**

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		7. UNIT or CA AGREEMENT NAME:
		8. WELL NAME and NUMBER: Clark 4-1
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		9. API NUMBER: 4304330071
2. NAME OF OPERATOR: Citation Oil & Gas Corp.		10. FIELD AND POOL, OR WILDCAT: Pineview Twin Creek
3. ADDRESS OF OPERATOR: P O Box 690688 CITY Houston STATE TX ZIP 77269		
PHONE NUMBER: (281) 891-1565		
4. LOCATION OF WELL FOOTAGES AT SURFACE: 660 FSL & 1980 FWL		COUNTY: Summit
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESW 4 2N 7E		STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____  <input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ACIDIZE	<input checked="" type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Citation requests authorization to deepen this well per the attached procedure and well bore diagrams.

Approved by the  
Utah Division of  
Oil, Gas and Mining

\* MIT REQUIRED  
PRIOR TO RESUMING  
INJECTION.

Date: 07-21-09

By: [Signature]

COPY SENT TO OPERATOR

Date: 7.28.2009

Initials: KS

NAME (PLEASE PRINT) <u>Bridget Lisenbe</u>	TITLE <u>Permitting Analyst</u>
SIGNATURE <u>[Signature]</u>	DATE <u>6/23/2009</u>

(This space for State use only)

**RECEIVED**  
**JUN 29 2009**  
**DIV. OF OIL, GAS & MINING**

## WORKOVER PROCEDURE

PROJECT: Clark 4-1: Deepen into Nugget to Increase Disposal Capacity

DRILLED & COMPLETED: 2/78 - 6/78 LAST WO: 10/25/07 – Passed MIT. Rate – 3200 BWIPD @ 1000 psi

LOCATION: 660' FSL & 1980' FWL, SE SW Sec. 4, T-2N, R-7E

FIELD: Pineview COUNTY: Summit STATE: UT

TD: 10580' KB PBTD: 10535' KB DATUM: 6619' GL KB to GL: 17'

### CASING AND LINER RECORD

SIZE	WT / GRADE	DEPTH	CEMENT	HOLE SIZE	TOC	REMARKS
13 3/8"	48#	75'	7 yds	17 1/2"	SURF	Redi-Mix
9 5/8"	36 & 40# / K-55	1508'	1020 sx	12 1/4"	SURF	CIRC'D
5 1/2"	17# / N-80, K-55 & S-95	10580'	971 sx	8 3/4"	± 5950'	Calc'd w/ 20% XS f/ Sqz @ ~6200'

PRESENT FORMATION AND COMPLETION: Nugget: 10,368' – 10,530' w/ 4 spf (8/87)

TUBING: 330 jts 2 7/8" 6.5 ppf N-80 8rd EUE w/ Tuboscope MMS cplgs w/ TK-69 IPC (10250.5') + SN + 1 x 6' 2 7/8" 6.5 ppf N-80 8rd EUE MMS TK-69 IPC tbg sub + Baker Model 'R-3' IPC PKR set w/ 22K# comp + Ball Test Sub (BOPKR @ 10273' KBM

MISC.: 2/17/97 – HIT

10/23/96 – Pump 170 Bbls Mara-Seal to sqz off leaking perfs

8/93 – WO to gain compliance: Sqz'd old perfs (9787' – 9888') w/ 50 sx – unsuccessful

### PROCEDURE

- ✓ MI & Rack ± 10,600' 2 7/8" 6.5 ppf N-80 8rd EUE workstring tubing (if necessary)
  - ✓ MI & Rack ± 11,000' 2 7/8" 10.4 ppf S-135 AOH EUE drill pipe
  - ✓ MI & RU pump, pit & swivel.
  - ✓ MI & rack DC's and other rental equipment necessary for drill-out
  - ✓ Prior to WO, load & PT annulus to 1000 psi, report results to Houston office
  - ✓ Use produced water from injection line during deepening operations
1. MI RU PU. ND WH. NU BOP. Release Baker Model 'R-3' PKR set @ 10,267' KB w/ 22K lbs compression. **NOTE: PU on tubing to release PKR – bypass will open & equalize w/ annulus.** POOH & stand back 2 7/8" IPC injection tbg on rubber mats to protect internal coating – visually inspect & tally as POOH.
  2. PU & Tally RIH w/ 4 3/4" TCI Bit, DC's & SN on 2 7/8" S-135 DP (Determine size & number of DC's based on a requirement of 8000 lbs of DC WOB). **NOTE: Caliper OD/ID of all DC's prior to RIH.** Tag PBTD @ 10,535' (Float Collar).
  3. RU pump, pit, swivel & stripping head. Load pit w/ clean produced water (can use injection line). Break reverse-circulation.

**NOTE: Lost circulation into the current Nugget injection interval may be a possibility; therefore, either acid soluble LCM and/or air-foam (under-balanced) drilling may be required. However, the injection line should provide as much water as necessary in case fluid loss into the formation is encountered.**

4. DO FC @ 10,535' KB, cement & shoe @ 10,580' KB. CHC w/ clean produced water.
5. DO new formation to a new TD @ ~10,985' and/or as recommended by the Reservoir Department. Collect samples as necessary. At new TD, CHC. RD swivel, pump & pit. POOH & stand back 2 7/8" DP. LD DC's & bit. **NOTE: If excessive fluid loss is experienced, the new TD may be changed.**
6. MI RU WL unit. Run OH Logs as requested by Reservoir: GR/SP/Res/Sonic & GRN. **Correlate to logs to GR logs run 5/13/78.**

**NOTE: If necessary or requested, PU & RIH w/ 3 1/8" perf gun & perforate Nugget formation between f/ 10,530' – 10,580' w/ 4 spf & 90° phasing. POOH w/ perf gun.**

RD MO WL.

7. PU & RIH w/ 5 1/2" treating PKR & SN on 2 7/8" DP or WS. Set PKR @ ± 10,550' (EOT @ ~10,530').
8. MI RU Stimulation company. Acidize OH as per service company recommendation (if necessary, acidize new perms). Overdisplace acid & perform injectivity test on OH section. Release PKR & PUH to ± 10,300'. Perform injectivity test on entire disposal interval.

**NOTE: If acid soluble LCM was utilized during drilling operations, it may be necessary to perform acid clean-up on Twin Creek perforations f/ 10,368' – 10,530'.**

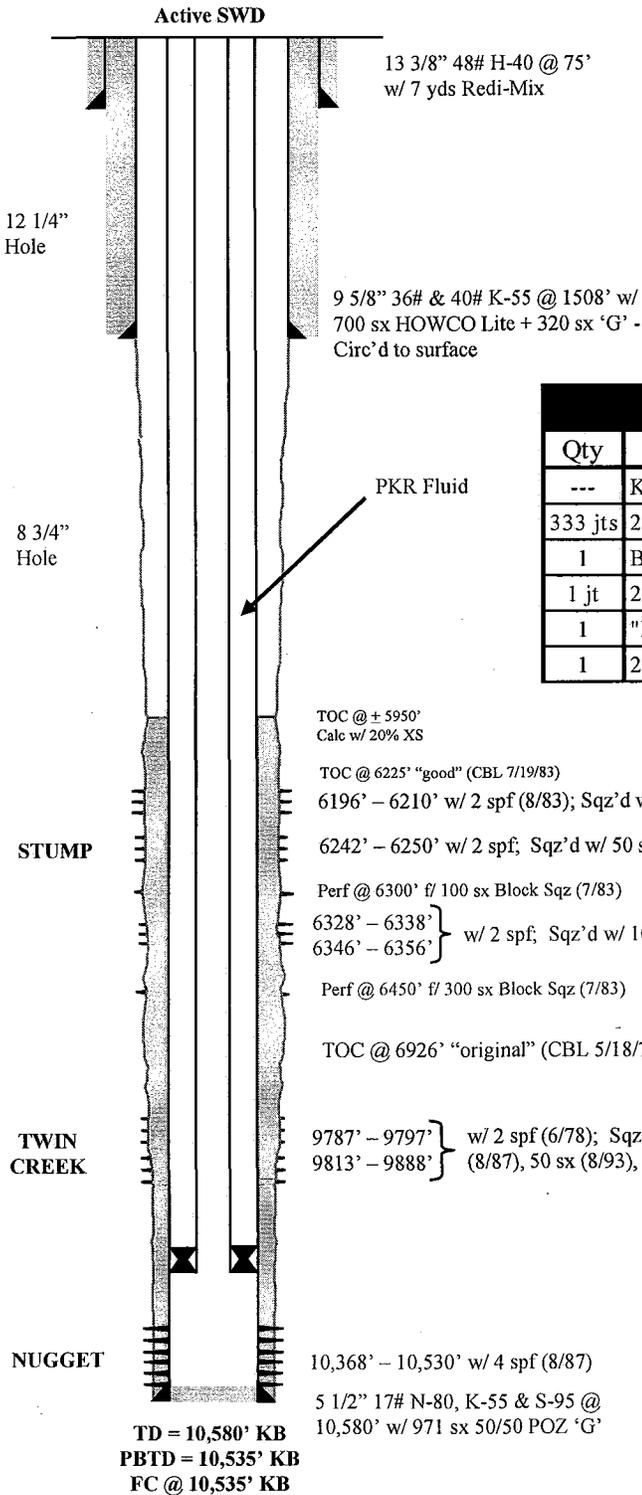
RD MO Stimulation company.

9. Release PKR & POOH LD 2 7/8" DP/WS & PKR.
10. PU & RIH w/ redressed Baker Model 'R-3' PKR & 2 7/8" IPC completion assembly (as originally pulled f/ well). Circulate 160 Bbls PKR fluid. Set PKR @ ± 10,267' w/ 22K compression.
11. ND BOP. NU WH. Top off annulus w/ PKR fluid. PT annulus to 1000#/30 min.
12. Put well back on injection. Monitor rates & injection pressure.
- 13.

# CITATION OIL AND GAS CORPORATION CURRENT WELLBORE DIAGRAM

**Well Name:** Clark 4-1      **Field:** Pineview  
**Date:** 5/4/2009 JTT      **Location:** SW/4 Sec. 4, T2N, R7E  
**County:** Summit      **State:** Utah

**Surface:** 660' FSL & 1980' FWL  
 Sec. 4, T-2-N, R-7-E  
 Summit County, UT  
**Completed:** 6/7/78  
**Elevation:** 6619' GL  
**KB:** 17'  
**API #:** 43-043-30071



COMPLETION ASSEMBLY (3/18/97)			
Qty	Description	Length	Depth
---	KB Correction	12.00	12.00
333 jts	2 7/8" 6.5# N-80 8rd EUE MMS w/ TK-99 IPC	10,247.67	10,259.67
1	Baker Model 'R-3' IPC PKR w/ 22K comp	7.20	10,266.87
1 jt	2 7/8" 6.5# N-80 8rd EUE MMS w/ TK-99 IPC	31.05	10,297.92
1	"F" Nipple	1.04	10,298.96
1	2 7/8" coupling	0.44	10,299.40

CASING DETAIL			
Size	Weight	Grade	Depth
5 1/2"	17 ppf	N-80	Surf - 1826'
5 1/2"	17 ppf	K-55	1826' - 6471'
5 1/2"	17 ppf	S-95	6471' - 10580'



# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

### Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

GARY R. HERBERT  
*Governor*

GREGORY S. BELL  
*Lieutenant Governor*

August 7, 2012

Terry Courter  
Citation Oil & Gas Corporation  
P. O. Box 690688  
Houston, Texas 77269-0688

Subject: Pressure Test for Mechanical Integrity, Clark 4-1, SESW Section 4, Township 2 North, Range 7 East, API No. 43-043-30071, Summit County, Utah

Dear Mr. Courter:

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. Rule R649-5-5.3 of the Oil and Gas Conservation General rules 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. Please make arrangements and ready the Clark 4-1 well for testing during the week of August 21-24, 2012, as outlined below:

1. Operator must furnish connections, accurate pressure gauges, hot oil truck (or other means of pressuring annulus), along with personnel to assist in opening valves, etc.
2. The casing-tubing annulus shall be filled prior to the test date to expedite testing, and the 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 well to be tested at this time the test may be rescheduled.
4. Company personnel should meet a DOGM representative(s) at the field office or other location as negotiated.
5. All bradenhead valves with the exception of the tubing on the injection well must be shut-in 24 hours prior to testing.

Please contact Lisha Cordova at (801) 538-5296 to arrange a meeting time and place or to negotiate a different date, if the date(s) specified is unacceptable.

Sincerely,

Dan Jarvis  
Operations Manager

DJJ/lc/js

cc: Lisha Cordova, Petroleum Specialist  
Val Meadows, Citation O&G Corp., 3603 E. Chalk Creek Rd, Coalville UT 84017  
Well File



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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:  
Fee

**SUNDRY NOTICES AND REPORTS ON WELLS**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL  
OIL WELL  GAS WELL  OTHER \_\_\_\_\_

8. WELL NAME and NUMBER  
Clark 4-1

2. NAME OF OPERATOR:  
Citation Oil & Gas Corp.

9. API NUMBER:  
4304330071

3. ADDRESS OF OPERATOR:  
P O Box 690688 CITY Houston STATE TX ZIP 77269

PHONE NUMBER:  
(281) 891-1565

10. FIELD AND POOL, OR WILDCAT:  
Pineview Twin Creek

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: 660 FSL & 1980 FWL COUNTY: Summit

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESW 4 2N 7E STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____  <input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>polymer treat</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
Citation requests authorization to squeeze casing holes with Ultra CRS fluid into the subject well per the attached procedure.

**COPY SENT TO OPERATOR**  
Date: 11-26-2012  
Initials: KS

NAME (PLEASE PRINT) Nathania Naftaly TITLE Permitting Analyst III  
SIGNATURE Nathania Naftaly DATE 11/20/2012

(This space for State use only)  
**APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING**  
DATE: 11/20/2012  
BY: D. Sullivan  
(5/2000) (See Instructions on Reverse Side)

**RECEIVED**  
**NOV 20 2012**  
DIV. OF OIL, GAS & MINING

## WORKOVER PROCEDURE

PROJECT: Clark 4-1: Squeeze casing holes with Ultra CRS fluid (300PSI Co.)

DRILLED & COMPLETED: 2/78 - 6/78 LAST WO: 10/25/07 - Passed MIT. Rate - 3200 BWIPD @ 1000 psi

LOCATION: 660' FSL & 1980' FWL, SE SW Sec. 4, T-2N, R-7E

FIELD: Pineview COUNTY: Summit STATE: UT

TD: 10580' KB PBSD: 10535' KB DATUM: 6619' GL KB to GL: 17'

### CASING AND LINER RECORD

SIZE	WT / GRADE	DEPTH	CEMENT	HOLE SIZE	TOC	REMARKS
13 3/8"	48#	75'	7 yds	17 1/2"	SURF	Redi-Mix
9 5/8"	36 & 40# / K-55	1508'	1020 sx	12 1/4"	SURF	CIRC'D
5 1/2"	17# / N-80, K-55 & S-95	10580'	971 sx	8 3/4"	± 5950'	Calc'd w/ 20% XS f/ Sqz @ ~6200'

PRESENT FORMATION AND COMPLETION: Nugget: 10,368' - 10,530' w/ 4 spf (8/87)

TUBING: 330 jts 2 7/8" 6.5 ppf N-80 8rd EUE w/ Tuboscope MMS cplgs w/ TK-69 IPC (10250.5') + SN + 1 x 6' 2 7/8" 6.5 ppf N-80 8rd EUE MMS TK-69 IPC tbg sub + Baker Model 'R-3' IPC PKR set w/ 22K# comp + Ball Test Sub (BOPKR @ 10273' KBM)

MISC.: 2/17/97 - HIT  
10/23/96 - Pump 170 Bbls Mara-Seal to sqz off leaking perfs  
8/93 - WO to gain compliance: Sqz'd old perfs (9787' - 9888') w/ 50 sx - unsuccessful

### PROCEDURE

1. Workover rig on well.
2. Release Baker Model 'R-3' PKR set @ 10,267' KB. PUH w/ ~20 stands and reverse circulate polymer out.
3. RIH w/ Baker Model 'R-3' PKR and leave hanging @ 10,267' FS.
4. MIRU Pump Co.
5. Mix and pump Ultra CRS treatment down casing-tubing annulus to squeeze off holes in casing as follows:
  - Pump 70BBL PKR fluid, 2BBL FW spacer, 36BBL Ultra CRS fluid, 2BFW spacer, and displace with ±56 BBL PKR fluid.
  - Set PKR @ 10,266.87' FS (same depth).
  - Continue pressuring up casing at no higher than 1000 psi to displace Ultra CRS fluid.
6. ND BOP. NU WH.
7. Top off annulus w/ PKR fluid.
8. NU nitrogen bottles to backside and leave 1000 psi overnight.
9. Notify DOGM and MIT well. PT annulus to 1000 psi for 30 min.
10. Put well back on injection. Monitor rates & injection pressure.

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>WD</u>		5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
2. NAME OF OPERATOR: Citation Oil & Gas Corp.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: P O Box 690688 CITY Houston STATE TX ZIP 77269		7. UNIT OR CA AGREEMENT NAME:
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 660 FSL & 1980 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESW 4 2N 7E		8. WELL NAME and NUMBER: Clark 4-1
PHONE NUMBER: (281) 891-1565		9. API NUMBER: 4304330071
COUNTY: Summit		10. FIELD AND POOL, OR WILDCAT Pineview Twin Creek
STATE: UTAH		

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>polymer treat</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Citation requests authorization to polymer treat the subject well per the attached procedures.

**COPY SENT TO OPERATOR**  
Date: 11-19-2012  
Initials: KS

NAME (PLEASE PRINT) Nathania Naftaly TITLE Permitting Analyst III

SIGNATURE Nathania Naftaly DATE 11/14/2012

(This space for State use only)

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

DATE: 11/15/2012

BY: [Signature]

(5/2000)

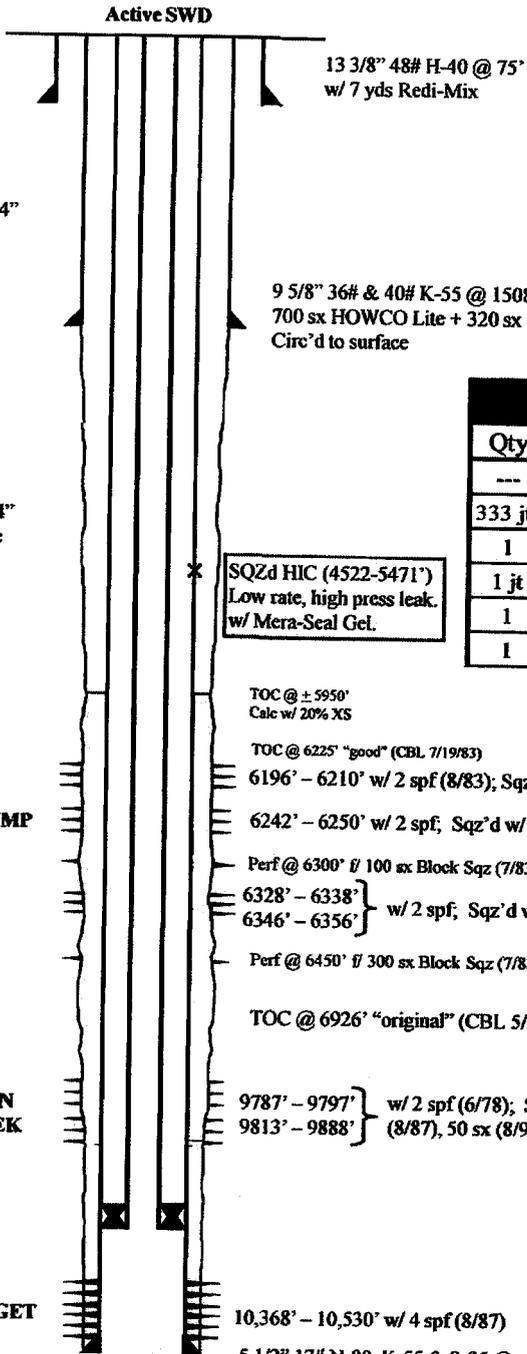
**RECEIVED**  
NOV 14 2012  
DIV. OF OIL, GAS & MINING

\* Notify DOGM 24 hrs. Prior to conducting MIT  
Dan Jarvis 801-538-5338 / Lisha Cordova 801-538-5296

# CITATION OIL AND GAS CORPORATION CURRENT WELLBORE DIAGRAM

Well Name: Clark 4-1  
 Date: 10/30/12 AL  
 County: Summit

Field: Pineview  
 Location: SW/4 Sec. 4, T2N, R7E  
 State: Utah



Surface:	660' FSL & 1980' FWL Sec. 4, T-2-N, R-7-E Summit County, UT
Completed:	6/7/78
Elevation:	6619' GL
KB:	17'
API #:	43-043-30071

COMPLETION ASSEMBLY (3/18/97)			
Qty	Description	Length	Depth
---	KB Correction	12.00	12.00
333 jts	2 7/8" 6.5# N-80 8rd EUE MMS w/ TK-99 IPC	10,247.67	10,259.67
1	Baker Model 'R-3' IPC PKR w/ 22K comp	7.20	10,266.87
1 jt	2 7/8" 6.5# N-80 8rd EUE MMS w/ TK-99 IPC	31.05	10,297.92
1	"F" Nipple	1.04	10,298.96
1	2 7/8" coupling	0.44	10,299.40

SQZd HIC (4522-5471')  
 Low rate, high press leak.  
 w/ Mera-Seal Gel.

TOC @ ± 5950'  
 Calc w/ 20% XS

TOC @ 6225' "good" (CBL 7/19/83)

6196' - 6210' w/ 2 spf (8/83); Sqz'd w/ 60 sx (8/87)

6242' - 6250' w/ 2 spf; Sqz'd w/ 50 sx (8/83)

Perf @ 6300' // 100 sx Block Sqz (7/83)

6328' - 6338' } w/ 2 spf, Sqz'd w/ 100 sx (7/83)

6346' - 6356' }

Perf @ 6450' // 300 sx Block Sqz (7/83)

TOC @ 6926' "original" (CBL 5/18/78)

9787' - 9797' } w/ 2 spf (6/78); Sqz'd w/ 250 sx (7/83), 200 sx

9813' - 9888' } (8/87), 50 sx (8/93), 170 Bbls Mara-Seal (10/96)

10,368' - 10,530' w/ 4 spf (8/87)

5 1/2" 17# N-80, K-55 & S-95 @  
 10,580' w/ 971 sx 50/50 POZ 'G'

TD = 10,580' KB  
 PBTD = 10,535' KB  
 FC @ 10,535' KB

CASING DETAIL			
Size	Weight	Grade	Depth
5 1/2"	17 ppf	N-80	Surf - 1826'
5 1/2"	17 ppf	K-55	1826' - 6471'
5 1/2"	17 ppf	S-95	6471' - 10580'

## WORKOVER PROCEDURE

PROJECT: Clark 4-1: Repair casing leak (300 psi product)

DRILLED & COMPLETED: 2/78 - 6/78 LAST WO: 10/25/07 – Passed MIT. Rate – 3200 BWIPD @ 1000 psi

LOCATION: 660' FSL & 1980' FWL, SE SW Sec. 4, T-2N, R-7E

FIELD: Pineview COUNTY: Summit STATE: UT

TD: 10580' KB PBDT: 10535' KB DATUM: 6619' GL KB to GL: 17'

### CASING AND LINER RECORD

SIZE	WT / GRADE	DEPTH	CEMENT	HOLE SIZE	TOC	REMARKS
13 3/8"	48#	75'	7 yds	17 1/2"	SURF	Redi-Mix
9 5/8"	36 & 40# / K-55	1508'	1020 sx	12 1/4"	SURF	CIRC'D
5 1/2"	17# / N-80, K-55 & S-95	10580'	971 sx	8 3/4"	± 5950'	Calc'd w/ 20% XS f/ Sqz @ ~6200'

PRESENT FORMATION AND COMPLETION: Nugget: 10,368' – 10,530' w/ 4 spf (8/87)

TUBING: 330 jts 2 7/8" 6.5 ppf N-80 8rd EUE w/ Tuboscope MMS cplgs w/ TK-69 IPC (10250.5') + SN + 1 x 6' 2 7/8" 6.5 ppf N-80 8rd EUE MMS TK-69 IPC tbg sub + Baker Model 'R-3' IPC PKR set w/ 22K# comp + Ball Test Sub (BOPKR @ 10273' KBM

MISC.: 2/17/97 – HIT  
10/23/96 – Pump 170 Bbls Mara-Seal to sqz off leaking perfs  
8/93 – WO to gain compliance: Sqz'd old perfs (9787' – 9888') w/ 50 sx – unsuccessful

### PROCEDURE

- ✓ MI & RU pump, pit, and 500 BBL frac tank (if necessary).
  - ✓ MI & RU ±10,600' 2-7/8" 6.5# L-80/N-80 8rd EUE workstring
  - ✓ SI well and flowback.
1. MI RU PU. ND WH. NU BOP.
  2. Release Baker Model 'R-3' PKR set @ 10,267' KB w/ 22K lbs compression and reverse circulate 150 BBLs.  
**NOTE: PU on tubing to release PKR – bypass will open & equalize w/ annulus.**
  3. POOH with PKR and tubing.
  4. PU & RIH with 4-3/4" MT bit on 2-7/8" 6.5# L-80 workstring. Tag PBDT @ ±10,535' FS.  
**NOTE: Active Nugget Perfs f(10,368'-10,530')**
  5. PUH 1 stand and reverse circulate bottoms up.
  6. RIH w/ RBP and PKR to isolate leaking interval on 5-1/2" 17# casing.
  7. Establish injection rate using 10 BW (Prior inj rate ~3/4 BPM @ 1500 psi).
  8. Rlse PKR and RBP. POOH LD.
  9. RIH w/ redressed Baker Model 'R-3' PKR and 2-7/8" 6.5# N-80 8rd MMS w/ TK-99 IPC tubing.
  10. Leave PKR hanging at 10,267' FS.

11. MIRU GelTec Co.
12. Mix and pump Mara-Seal treatment down casing-tubing annulus to squeeze off holes as follows:
  - Pump 75BBL PKR fluid, 2BBL FW spacer, 20BBL Mara-Seal gel, 2BFW spacer, and displace with ±61 BBL PKR fluid.
  - Set PKR @ 10,266.87' FS (same depth).
  - Continue pressuring up casing at pressures no higher than 1000 psi to displace polymer.
13. ND BOP. NU WH.
14. Top off annulus w/ PKR fluid.
15. Notify DOGM and MIT well. PT annulus to 1000 psi for 30 min.
16. Put well back on injection. Monitor rates & injection pressure.

**INJECTION WELL - PRESSURE TEST**

Well Name: <u>Clark 4-1</u>	API Number: <u>43-043-30071</u>
Qtr/Qtr: <u>SESW</u> Section: <u>4</u>	Township: <u>2N</u> Range: <u>7E</u>
Company Name: <u>Citation Oil &amp; Gas Corp.</u>	
Lease: State _____ Fee <input checked="" type="checkbox"/>	Federal _____ Indian _____
Inspector: <u>Fisha Cordova</u>	Date: <u>11-23-12</u>
<u>Tu &amp; Frum Water Services</u>	

Initial Conditions:

Tubing - Rate: 0 Pressure: 0 psi

Casing/Tubing Annulus - Pressure: 1000 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1000</u>	<u>0</u>
5	<u>1000</u>	
10	<u>1000</u>	
15	<u>1000</u>	↓
20	_____	_____
25	_____	_____
30	_____	_____

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: 0 psi

Casing/Tubing Annulus Pressure: 0 psi

COMMENTS: Post workover, MIT performed by Winta Well Services Rig #1 (Kip McIntire).

Val Meadows  
Operator Representative

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
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		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>1. TYPE OF WELL</b> Water Disposal Well		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>2. NAME OF OPERATOR:</b> CITATION OIL & GAS CORP		<b>8. WELL NAME and NUMBER:</b> CLARK 4-1
<b>3. ADDRESS OF OPERATOR:</b> 14077 Cutten Rd , Houston, TX, 77069		<b>9. API NUMBER:</b> 43043300710000
<b>PHONE NUMBER:</b> 281 891-1550 Ext		<b>9. FIELD and POOL or WILDCAT:</b> PINEVIEW
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0660 FSL 1980 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESW Section: 04 Township: 02.0N Range: 07.0E Meridian: S		<b>COUNTY:</b> SUMMIT
		<b>STATE:</b> UTAH

11.

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

TYPE OF SUBMISSION	TYPE OF ACTION		
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<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
February 12, 2013**

<b>NAME (PLEASE PRINT)</b> Sandra Ochoa	<b>PHONE NUMBER</b> 281 891-1555	<b>TITLE</b> Completion Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 2/5/2013	

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

FORM 9

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			5. LEASE DESIGNATION AND SERIAL NUMBER: <b>Fee</b>
			6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
			7. UNIT or CA AGREEMENT NAME
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Injection</u>			8. WELL NAME and NUMBER: <b>Clark 4-1</b>
2. NAME OF OPERATOR: <b>Citation Oil &amp; Gas Corp.</b>			9. API NUMBER: <b>4304330071</b>
3. ADDRESS OF OPERATOR: P.O. Box 690688		CITY <b>Houston</b> STATE <b>TX</b> ZIP <b>77269</b>	PHONE NUMBER: <b>(281) 891-1555</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>660 FSL &amp; 1980 FWL</b>			10. FIELD AND POOL, OR WILDCAT: <b>Pineview Twin Creek</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>SESW 4 2N 7E</b>			COUNTY: <b>Summit</b>
			STATE: <b>UTAH</b>

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	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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NAME (PLEASE PRINT) <u>Sandra Ochoa</u>	TITLE <u>Completion Analyst</u>
SIGNATURE	DATE <u>2/5/2013</u>

(This space for State use only)

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
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2. NAME OF OPERATOR: CITATION OIL & GAS CORP	7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 14077 Cutten Rd , Houston, TX, 77069	8. WELL NAME and NUMBER: CLARK 4-1
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9. FIELD and POOL or WILDCAT: PINEVIEW	COUNTY: SUMMIT
STATE: UTAH	STATE: UTAH

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TYPE OF SUBMISSION	TYPE OF ACTION		
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining**

**Date:** February 25, 2013

**By:**

<b>NAME (PLEASE PRINT)</b> Sandra Ochoa	<b>PHONE NUMBER</b> 281 891-1555	<b>TITLE</b> Completion Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 2/5/2013	

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

FORM 9

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SIGNATURE	DATE <u>2/5/2013</u>

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<b>SIGNATURE</b> N/A	<b>DATE</b> 2/5/2013	

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SIGNATURE	DATE <u>2/5/2013</u>

(This space for State use only)

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> FEE
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Water Disposal Well	<b>8. WELL NAME and NUMBER:</b> CLARK 4-1	
<b>2. NAME OF OPERATOR:</b> CITATION OIL & GAS CORP	<b>9. API NUMBER:</b> 43043300710000	
<b>3. ADDRESS OF OPERATOR:</b> 14077 Cutten Rd , Houston, TX, 77069	<b>PHONE NUMBER:</b> 281 891-1550 Ext	<b>9. FIELD and POOL or WILDCAT:</b> PINEVIEW
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0660 FSL 1980 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESW Section: 04 Township: 02.0N Range: 07.0E Meridian: S	<b>COUNTY:</b> SUMMIT	
	<b>STATE:</b> UTAH	

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input checked="" type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/27/2014	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Well stopped taking injection fluid. Used coiled tubing unit to clean out suspected solids bridge inside tubing to 10,400' with bit and 1500 gallons of 15% HCL acid. Encountered bridges at 3 separate points in tubing above packer. Washed down to packer, circulated out tubing. The wellbore configuration was not adjusted, and neither the tubing nor packer were moved. The well resumed injection 4-27-14.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining**  
**FOR RECORD ONLY**  
June 04, 2014

<b>NAME (PLEASE PRINT)</b> Liana Ramirez	<b>PHONE NUMBER</b> 281 891-1590	<b>TITLE</b> Completion Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 6/4/2014	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
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2. NAME OF OPERATOR: CITATION OIL & GAS CORP	9. API NUMBER: 43043300710000
3. ADDRESS OF OPERATOR: 14077 Cutten Rd , Houston, TX, 77069	PHONE NUMBER: 281 891-1550 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FSL 1980 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 04 Township: 02.0N Range: 07.0E Meridian: S	9. FIELD and POOL or WILDCAT: PINEVIEW
	COUNTY: SUMMIT
	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 7/20/2016	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
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	<input checked="" type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
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	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Citation Oil & Gas Corp. received a NOV in regards to a suspected tubing leak on the above referenced well. Citation intends to bring this well back into compliance using the following procedure: MIRU workover rig and NUBOPS Release packer, POOH and LD tubing. Send in packer for inspection and repair as needed. PU packer and new tubing, RIH to previous depth. Circulate packer fluid and set packer at 10,267 ft as per attached WBD Perform MIT. NDBOPS, RDMO workover rig, and resume injection per state permit.

**Approved by the**  
**July 01, 2016**  
**Oil, Gas and Mining**

Date: \_\_\_\_\_

By:

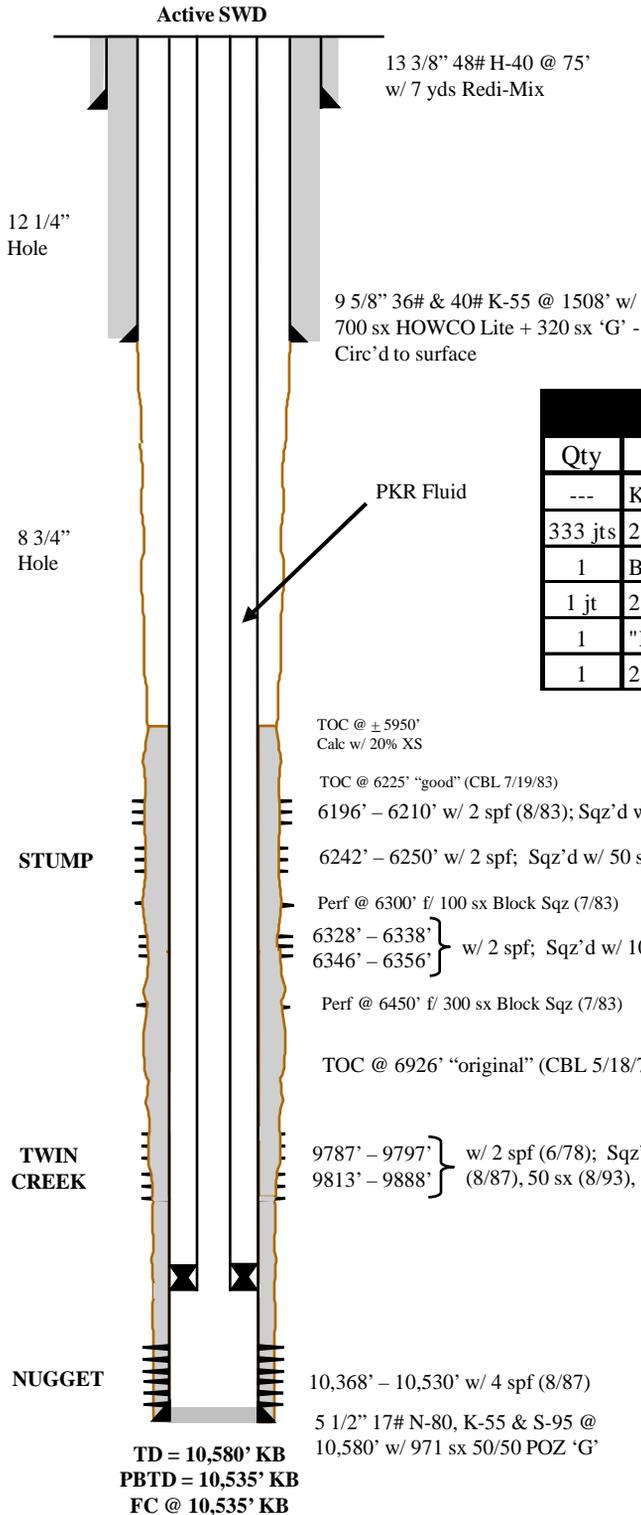
<b>NAME (PLEASE PRINT)</b> Sara Guthrie	<b>PHONE NUMBER</b> 281 891-1564	<b>TITLE</b> Regulatory Compliance Coordinator
<b>SIGNATURE</b> N/A	<b>DATE</b> 6/28/2016	

# CITATION OIL AND GAS CORPORATION

## Proposed WELLBORE DIAGRAM

**Well Name:** Clark 4-1  
**Date:** 6/21/2016 DSB  
**County:** Summit

**Field:** Pineview  
**Location:** SW/4 Sec. 4, T2N, R7E  
**State:** Utah



**Surface:** 660' FSL & 1980' FWL  
 Sec. 4, T-2-N, R-7-E  
 Summit County, UT

**Completed:** 6/7/78  
**Elevation:** 6619' GL  
**KB:** 17'  
**API #:** 43-043-30071

COMPLETION ASSEMBLY (3/18/97)			
Qty	Description	Length	Depth
---	KB Correction	12.00	12.00
333 jts	2 7/8" 6.5# N-80 8rd EUE KC w/ TK-15 IPC	10,247.67	10,259.67
1	Baker Model 'R-3' IPC PKR w/ 22K comp	7.20	10,266.87
1 jt	2 7/8" 6.5# N-80 8rd EUE KC w/ TK-15 IPC	31.05	10,297.92
1	"F" Nipple	1.04	10,298.96
1	2 7/8" coupling	0.44	10,299.40

CASING DETAIL			
Size	Weight	Grade	Depth
5 1/2"	17 ppf	N-80	Surf – 1826'
5 1/2"	17 ppf	K-55	1826' – 6471'
5 1/2"	17 ppf	S-95	6471' – 10580'

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	COUNTY: SUMMIT
	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <b>8/23/2016</b>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input checked="" type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
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	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input type="text" value="Return Well to Injection"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Citation Oil & Gas Company respectfully requests permission to return the Clark 4-1 to injection. 1350 gallons of "300 PSIG" polymer chemical was pumped to repair the casing. As per conversation with Dan Jarvis with the Utah DOGM we plan to trip in hole with the injection string, and set the packer @ 10,200'. We will perform an MIT to the satisfaction of the Utah DOGM representative and return the well to injection with the following conditions of approval: Connect a pressure monitoring system to the annulus and report the pressures as directed by the Utah DOGM, and perform annual MIT's as directed by the Utah DOGM.

**Approved by the  
Utah Division of  
Oil, Gas and Mining**

Date: August 30, 2016  
 By: 

**Please Review Attached Conditions of Approval**

NAME (PLEASE PRINT) Sarah King	PHONE NUMBER 281 891-1570	TITLE Regulatory Analyst III
SIGNATURE N/A	DATE 8/22/2016	



**The Utah Division of Oil, Gas, and Mining**

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices**

**Sundry Conditions of Approval Well Number 43043300710000**

**The annulus between the casing and tubing shall have continuous monitoring and be recorded on a chart. The results should be sent to the Division on a monthly basis. The Division will allow 250 psig be left on the annulus. The operator will notify the Division if a significant pressure increase is observed.**