

FILE NOTATIONS

Entered in NID File

Entered On S R Sheet _____

Location Map Pinned _____

Card Indexed

I W R for State or Fee Land _____

Checked by Chief _____

Copy NID to Field Office _____

Approval Letter _____

Disapproval Letter _____

COMPLETION DATA:

Date Well Completed 8-18-77

OW WW _____ TA _____

GW _____ OS _____ PA _____

Location Inspected _____

Bond released _____

State of Fee Land _____

LOGS FILED

Driller's Log

Electric Logs (No.)

E _____ I _____ E-I _____ GR _____ GR-N _____ Micro _____

Lat _____ Mi-L _____ Sonic _____ Others _____

date first production: 8/14/77

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

SUBMIT IN DUPLICATE*
(Other instructions on reverse side)

5. Lease Designation and Serial No.

FEE

6. If Indian, Allottee or Tribe Name

7. Unit Agreement Name

8. Farm or Lease Name

UPRR

9. Well No.

3-5

10. Field and Pool, or Wildcat

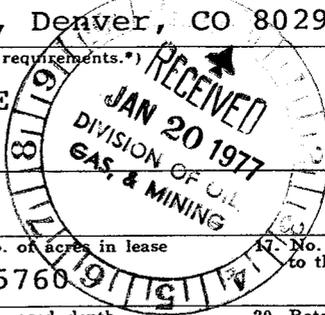
Pineview

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

Sec. 3. T2N, R7E

12. County or Parrish 13. State

Summit Utah



APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

DRILL

DEEPEN

PLUG BACK

b. Type of Well

Oil Well

Gas Well

Other

Single Zone

Multiple Zone

2. Name of Operator

American Quasar Petroleum Co of New Mexico

3. Address of Operator

707 United Bank Tower, 1700 Broadway, Denver, CO 80290

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

At surface
1969' FWL, 673' FSL, Sec. 3, T2N, R7E

At proposed prod. zone
Same

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

6 miles ESE of Upton, Utah

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

673'

16. No. of acres in lease

5760

17. No. of acres assigned to this well

80

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

1866'

19. Proposed depth

10500

20. Rotary or cable tools

Rotary

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

GL 6764'

22. Approx. date work will start*

3-15-77

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"	54.5#	60'	Cement to surface
12 1/4"	9 5/8"	40; 53.5#	1000'	Cement to surface
8 3/4"	7"	17 & 20#	10500'	600 sx

American Quasar Petroleum Co proposes to drill a 10500' well on the above described location to test the Nugget formation. Drilling and cementing of casing will be performed as above. Testing of potential zones will be at the discretion of the operator. Electric logs will be run to TD. Mud weight will be sufficient to contain pressures anticipated.

The BOP's will be opened and closed during each 24-hr. period to insure proper function during the drilling of this well. BOP equipment will be pressure tested to rated working pressures with chart recordings prior to drilling out below any casing strings and during drilling operations at not more than 30-day intervals.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. Signed: *[Signature]* Title: Operations Manager Date: 1-18-77

(This space for Federal or State office use)

Permit No. 43-043-30035 Approval Date

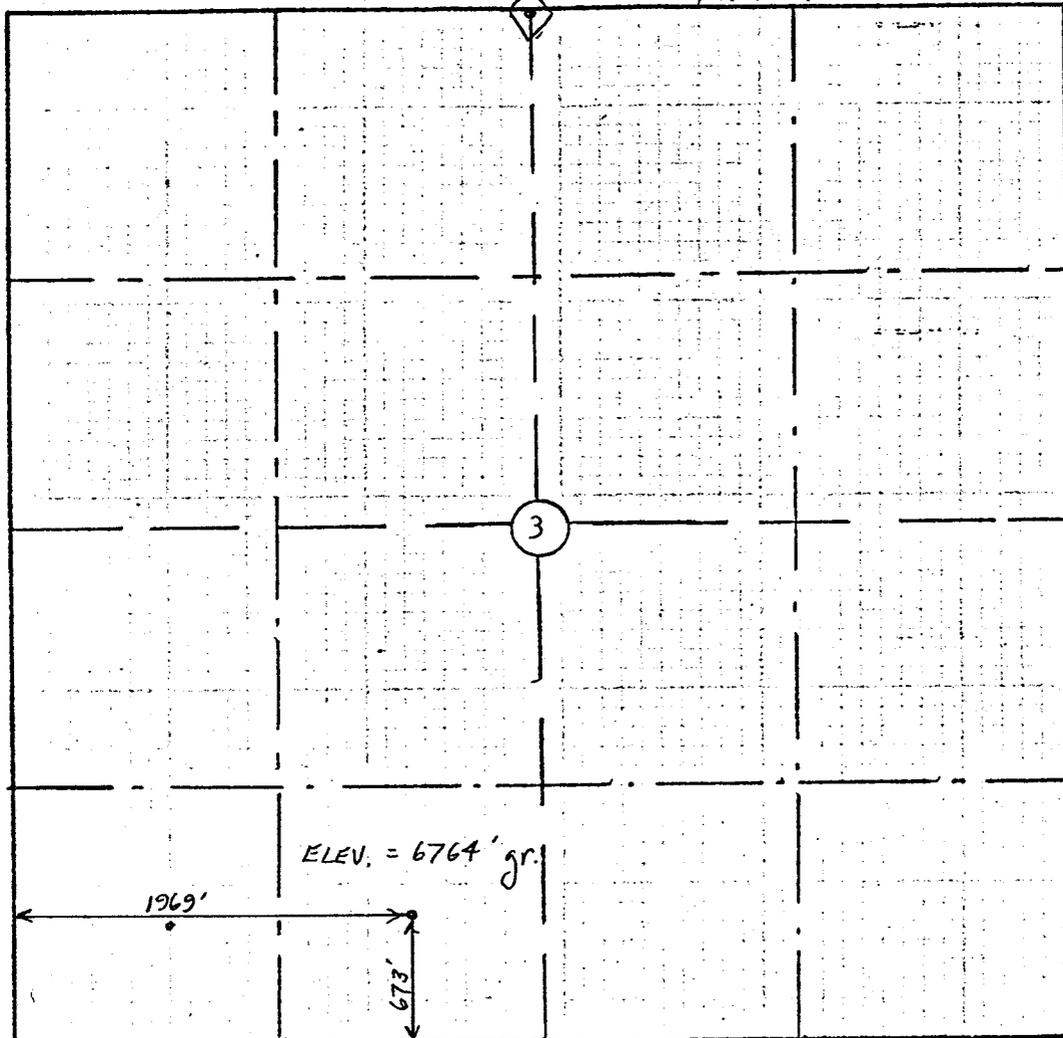
Approved by: Title: Date: Conditions of approval, if any:

SUBJ Location of the SW $\frac{1}{4}$ of the N $\frac{1}{4}$, Sec. 3
T.2.N., R.7.E., SLB&M

UPRR
3-5

R. 7 E.

NORTH $\frac{1}{4}$ CORNER SEC. 3
T.2.N., R.7.E., SLB&M.



T.
2
N.

Scale: 1" = 1000'

UPRR 3-5

SUMMIT ENGINEERING INC. surveyed the following location for an oil well for American Quasar Petroleum Co.

The center of the SE $\frac{1}{4}$ of the SW $\frac{1}{4}$ of Section 3, T.2.N., R.7.E., SLB&M, Summit County, Utah. A point further described as North 673.0 feet from the South section line and East 1969.0 feet from the West section line, Section 3, T.2.N., R.7.E., SLB&M, Summit County, Utah.

DATE Nov. 5, 1976

D. J. SILVER
No. 73491

app. not filed

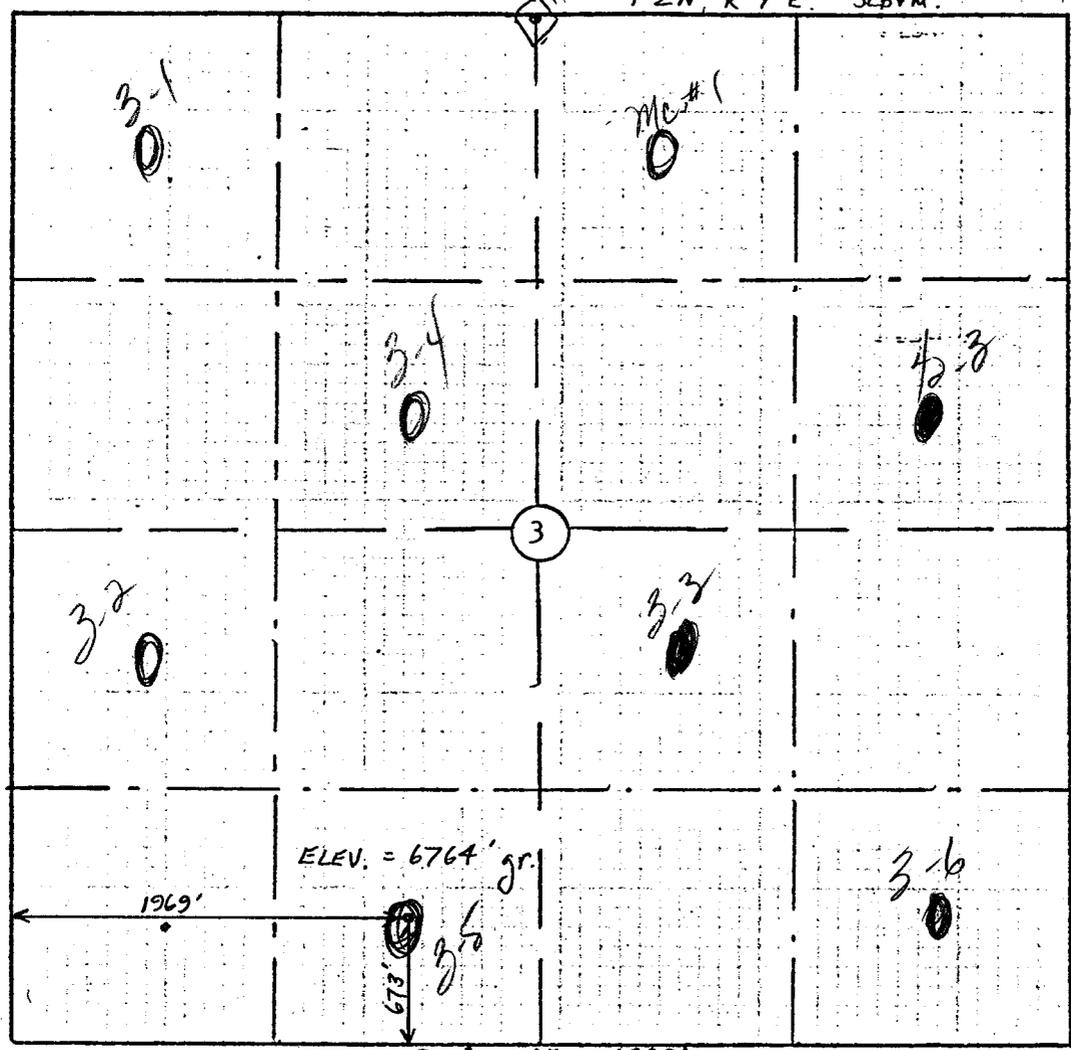
SUBJ Location of the SE 1/4 of the W 1/4, Sec. 3
T.2.N., R.7.E., SLB&M



UPRR-3-5

R. & E.

NORTH 1/4 CORNER SEC. 3
T.2N, R.7E. SLB&M.



Scale: 1" = 1000'

UPRR-3-5

SUMMIT ENGINEERING INC. surveyed the following location for an oil well for American Quasar Petroleum Co.

The center of the SE 1/4 of the SW 1/4 of Section 3, T.2.N., R.7.E., SLB&M, Summit County, Utah. A point further described as North 673.0 feet from the South section line and East 1969.0 feet from the West section line, Section 3, T.2.N., R.7.E., SLB&M, Summit County, Utah.

43-043-30035

DATE Nov. 5, 1976

D. J. SILVER
No. 3491

STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING

** FILE NOTATIONS **

Date: Jan. 20 -
Operator: American Gas and Oil Co.
Well No. UPRR 3-5
Location: Sec. 3 T. 2N R. 7E, County: Summit

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

Checked By:
Administrative Assistant: [Signature]
Remarks: OK - fits Order
Petroleum Engineer: [Signature]
Remarks:
Director: 7
Remarks:

Include Within Approval Letter:

Bond Required Survey Plat Required
Order No. 1100-6 Surface Casing Change
to _____

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

O.K. Rule C-3 O.K. In _____ Unit

Other:

Letter Written

January 21, 1977

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

Re: Well No.
UPRR 3-5, (673' FSL & 1969' FWL)
UPRR 3-6, (655' FSL & 656' FEL)
Sec. 3, T. 2 N, R. 7 E,
Summit County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to wells 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 these wells, you are hereby requested to immediately notify the following:

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

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

The API numbers assigned to these wells are:

#3-5: 43-043-30035

#3-6: 43-043-30036

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT
Director

SW

Contractor True Drlg. Co.
 Rig No. 14
 Spot SE-SW
 Sec. 3
 Twp. 2 N
 Rng. 7 E
 Field Pineview
 County Summit
 State Utah
 Elevation 6781' "K.B."
 Formation Preuss

Top Choke 1/4"
 Bottom Choke 3/4"
 Size Hole 8 3/4"
 Size Rat Hole --
 Size & Wt. D. P. 4 1/2" 16.60
 Size Wt. Pipe --
 I. D. of D. C. 2 7/8"
 Length of D. C. 526'
 Total Depth 7797'
 Interval Tested 7700-7797'
 Type of Test Bottom Hole Conventional

Flow No. 1 10 Min.
 Shut-in No. 1 60 Min.
 Flow No. 2 60 Min.
 Shut-in No. 2 120 Min.
 Flow No. 3 -- Min.
 Shut-in No. 3 -- Min.

Bottom Hole Temp. 156°F
 Mud Weight 8.9
 Gravity --
 Viscosity 50

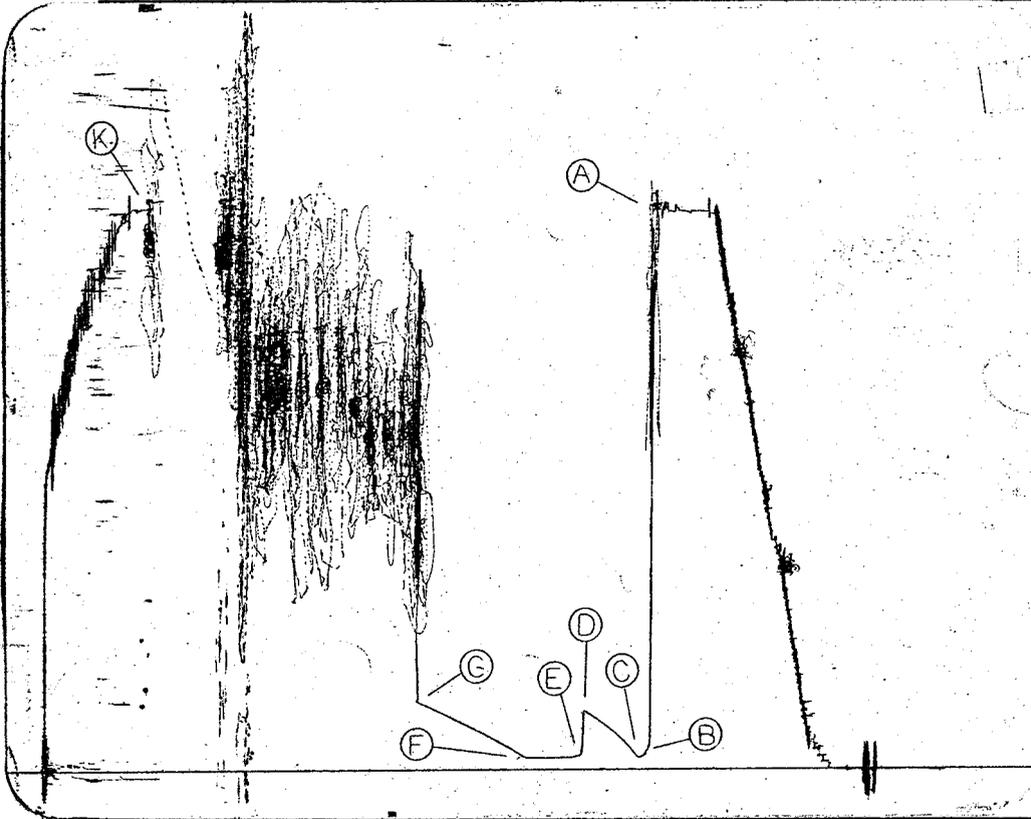
Tool opened @ 6:17 AM.

Inside Recorder

PRD Make Kuster AK-1
 No. 3812 Cap. 5100 @ 7688'

	Press	Corrected
Initial Hydrostatic	A	3664
Final Hydrostatic	K	3659
Initial Flow	B	110
Final Initial Flow	C	78
Initial Shut-in	D	386
Second Initial Flow	E	99
Second Final Flow	F	77
Second Shut-in	G	442
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--

Lynes Dist.: Rock Springs, Wy.
 Our Tester: Wayne Hockaday
 Witnessed By: Max Simms



Did Well Flow - Gas No Oil No Water No

RECOVERY IN PIPE: 150' Slightly gas cut mud = 1.10 bbl.

Top Sample: R.W. 1.5 @ 72°F = 3800 ppm. chl.
 Middle " : R.W. 1.5 @ 72°F = 3800 ppm. chl.
 Bottom " : R.W. 2.2 @ 74°F = 2500 ppm. chl.

REMARKS:

 1st Flow- Tool opened with surface blow, increased to 1" underwater blow in 1 minute. Increased to bottom of bucket in 9 minutes and remained thru flow period.
 2nd Flow- Tool opened with strong blow, increased to bottom of bucket in 1 minute. Began decreasing after 10 minutes, to 1 3/4 Oz. blow in 55 minutes and remained thru flow period.

 Jarred on tool 50 minutes to get packers loose.

Operator American Quasar Petroleum Co.

Well Name and No. UPRR #3-5

Ticket No. 7606

Date 5-27-77

No. Final Copies 20

LYNES, INC.

Operator American Quasar Petr. Co.

Lease & No. UPRR #3-5

DST No. 1

Recorder No. 3812 @ 7688'

Initial Shut-in

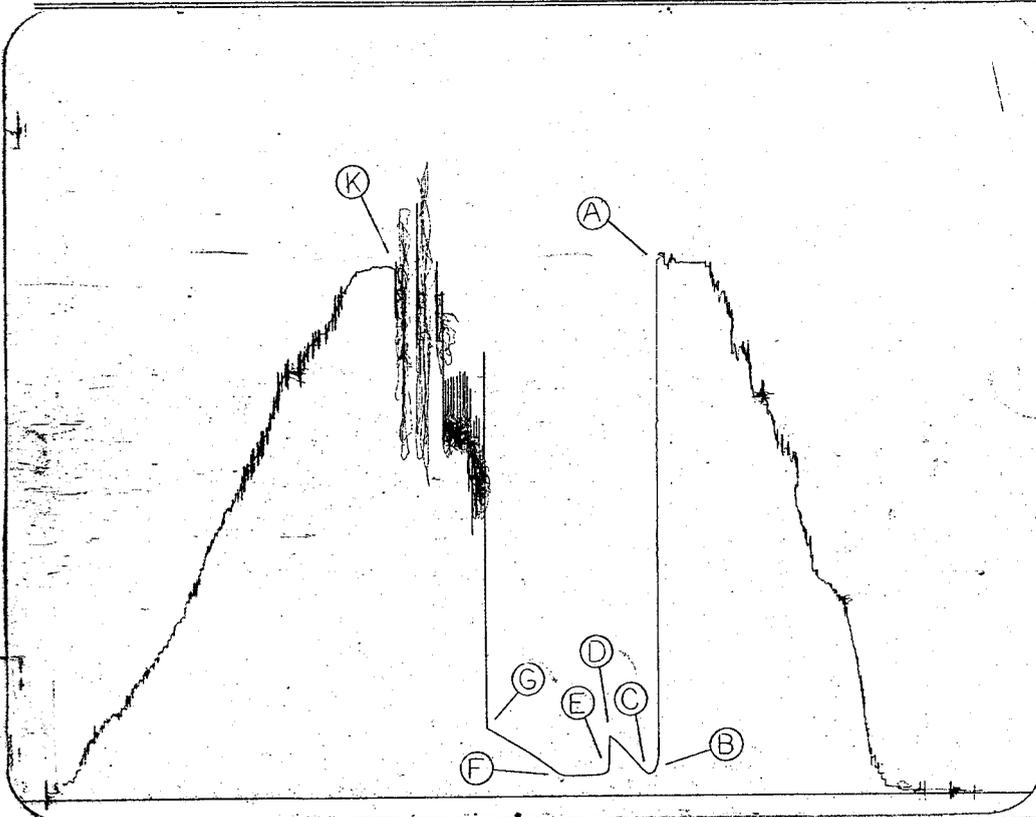
0 min.	78 psig.
6 "	111 "
12 "	158 "
18 "	195 "
24 "	228 "
30 "	260 "
36 "	288 "
42 "	315 "
48 "	337 "
54 "	362 "
60 "	386 "

Final Shut-in

0 min.	77 psig.
12 "	116 "
24 "	157 "
36 "	197 "
48 "	237 "
60 "	274 "
72 "	309 "
84 "	344 "
96 "	379 "
108 "	413 "
120 "	442 "

LYNES, INC.

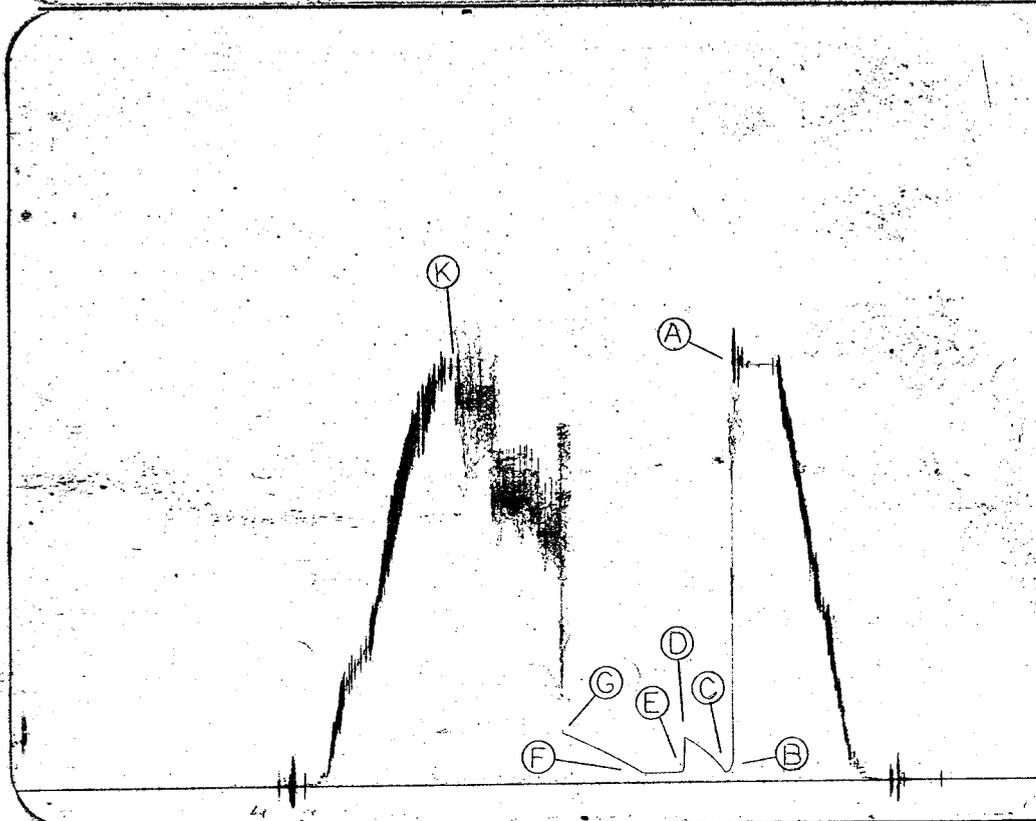
Operator American Quasar Petr. Co. Lease & No. UPRR #3-5 DST No. 1



Outside Recorder
Kuster AK-1

PRD Make _____
No. 2559 Cap. 5400 @ 7794'

	Press	Corrected
Initial Hydrostatic	A	3710
Final Hydrostatic	K	3686
Initial Flow	B	154
Final Initial Flow	C	138
Initial Shut-in	D	398
Second Initial Flow	E	149
Second Final Flow	F	132
Second Shut-in	G	462
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--
Pressure Below Bottom Packer Bled To		



Inside Recorder
Kuster AK-1

PRD Make _____
No. 7424 Cap. 6750 @ 7705'

	Press	Corrected
Initial Hydrostatic	A	3714
Final Hydrostatic	K	3697
Initial Flow	B	109
Final Initial Flow	C	88
Initial Shut-in	D	399
Second Initial Flow	E	95
Second Final Flow	F	88
Second Shut-in	G	450
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--
Pressure Below Bottom Packer Bled To		

LYNES, INC.

Fluid Sample Report

Date 5-27-77 Ticket No. 7606
Company American Quasar Petroleum Co.
Well Name & No. UPRR #3-5 DST No. 1
County Summit State Utah
Sampler No. -- Test Interval 7700-7797'

Pressure in Sampler 20 PSIG BHT 156 OF

Total Volume of Sampler: 2100 cc.
Total Volume of Sample: 250 cc.
Oil: None cc.
Water: None cc.
Mud: 250-Highly gas cut cc.
Gas: 0.5 cu. ft.
Other: None

Sampler: R.W. 0.7 @ 62°F = 8700 ppm. chl.

Resistivity

Water: @ of Chloride Content ppm.

Mud Pit Sample 1.7 @ 66°F of Chloride Content 3500 ppm.

Gas/Oil Ratio Gravity °API @ OF

Where was sample drained Lynes Shop in Rock Springs, Wyoming

Remarks: Rig Water: R.W. 10.0 @ 70°F = 525 ppm. chl.

LYNES, INC.

Distribution of Final Reports

Operator American Quasar Petroleum Co. Lease UPRR Well No. 3-5

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

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

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

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

1 copy: V.B. Gras, 777 Ninth Ave., Salt Lake City, Utah, 84103.

2 copies: U.S. Geological Survey, Attn: Geologist in Charge, 8420 Federal Bldg., Salt Lake City, Utah, 84111.

2 copies: Amoco Production Co., Attn: R.D. Cash, Security Life Bldg., Denver, Colo., 80202

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

1 copy: Occidental Petr. Co., Attn: D.W. Chenot, 5000 Stockdale Highway, Bakersfield, California, 93309.

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

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

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

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

1 copy: Cawley Gallespie, & Associates, Ft. Worth Club Bldg., 3rd Floor, Ft. Worth, Texas, 76102, Attn: W. Evans.

P

Contractor True Drlg. Co. Top Choke 1/4"
 Rig No. 14 Bottom Choke 9/16"
 Spot SE-SW Size Hole 8 3/4"
 Sec. 3 Size Rat Hole --
 Twp. 2 N Size & Wt. D. P. 4 1/2" 16.60
 Rng. 7 E Size Wt. Pipe --
 Field Pineview I. D. of D. C. 2 1/4"
 County Summit Length of D. C. 275'
 State Utah Total Depth 9550'
 Elevation 6764' "Ground" Interval Tested 9340-9550'
 Formation Twin Creek Type of Test Bottom Hole
Conventional

Flow No. 1 -- Min.
 Shut-in No. 1 -- Min.
 Flow No. 2 60 Min.
 Shut-in No. 2 120 Min.
 Flow No. 3 -- Min.
 Shut-in No. 3 -- Min.

Bottom Hole Temp. 172° F
 Mud Weight 9.1
 Gravity --
 Viscosity 45

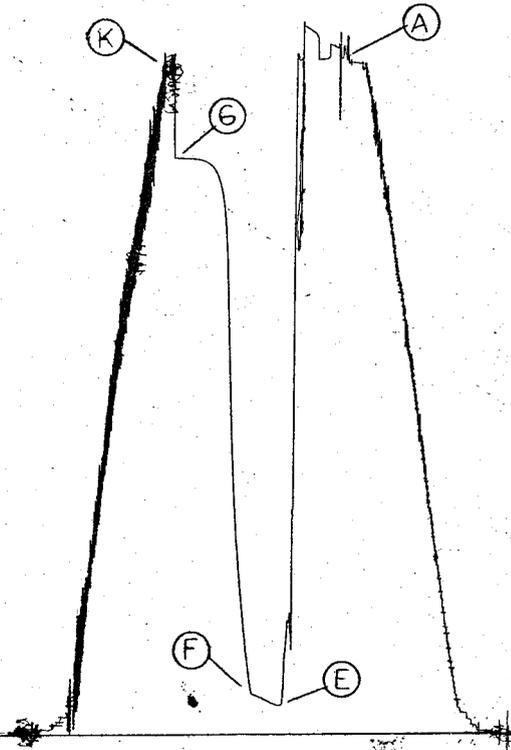
Tool opened @ 5:00 AM.

Inside Recorder

PRD Make Kuster AK-1
 No. 3812 Cap. 5100 @ 9358'

	Press	Corrected
Initial Hydrostatic	A	4417
Final Hydrostatic	K	4385
Initial Flow	B	--
Final Initial Flow	C	--
Initial Shut-in	D	--
Second Initial Flow	E	171
Second Final Flow	F	249
Second Shut-in	G	3776
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--

Lynes Dist.: Casper, Wy.
 Our Tester: Rick Hanson
 Witnessed By: Walt Bowen



Did Well Flow - Gas Yes Oil No Water No

RECOVERY IN PIPE: 470' Oil & gas cut mud = 4.12 bbl.

Flow - Tool opened with a 1" underwater blow, increased to bottom of bucket in 9 minutes. Gas to surface in 21 minutes, see gas volume report.

REMARKS:

Top Sample R.W. 1.6 @ 79° F = 3200 ppm. chl.
 Middle Sample R.W. 1.6 @ 77° F = 3300 ppm. chl.
 Bottom Sample R.W. 1.1 @ 71° F = 5500 ppm. chl.

Charts indicate tool was not opened for 1st flowing period.

Address See Distribution
 Operator American Quasar Petroleum Co.
 Well Name and No. UPRR #3-5
 Ticket No. 5623
 Date 6-18-77
 No. Final Copies 20

LYNES, INC.

Operator American Quasar Petroleum Co. Lease & No. UPRR # 3-5 DST No. 4

Recorder No. 3812 @ 9358'

FIRST SHUT IN PRESSURE:

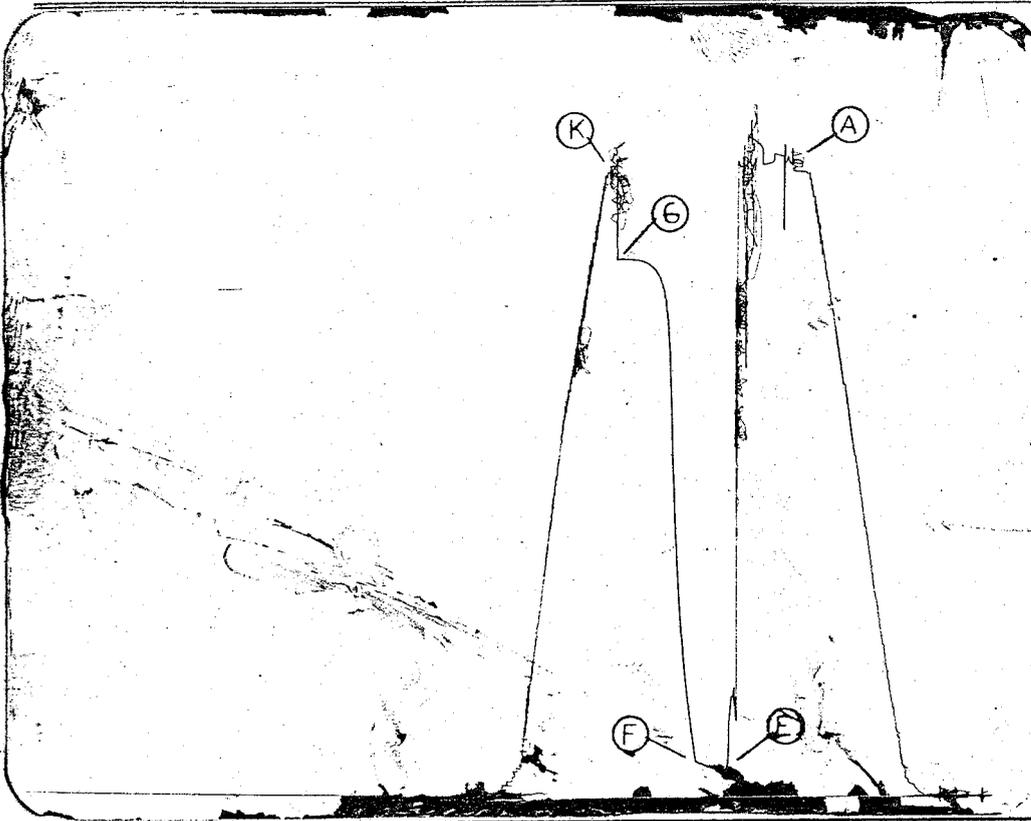
TIME(MIN) PHI	(T"PHI) /PHI	PSIG
0.0	0.0000	249
12.0	6.0000	648
24.0	3.5000	1293
36.0	2.6667	3257
48.0	2.2500	3638
60.0	2.0000	3726
72.0	1.8333	3757
84.0	1.7143	3769
96.0	1.6250	3773
108.0	1.5556	3775
120.0	1.5000	3776

EXTRAPLN OF FIRST SHUT IN : 3793.8 M : 101.3

Extrapolations of reservoir pressures should be used as indicators only.

LYNES, INC.

Operator American Quasar Petroleum Co. Lease & No. UPRR# 3-5 DST No. 4



Inside Recorder
 PRD Make Kuster Ak-1
 No. 2559 Cap. 5400 @ 9320'

	Press	Corrected
Initial Hydrostatic	A	4414
Final Hydrostatic	K	4381
Initial Flow	B	--
Final Initial Flow	C	--
Initial Shut-in	D	--
Second Initial Flow	E	184
Second Final Flow	F	246
Second Shut-in	G	3779
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--
Pressure Below Bottom Packer Bled To		

PRD Make _____
 No. _____ Cap. _____ @ _____

	Press	Corrected
Initial Hydrostatic	A	
Final Hydrostatic	K	
Initial Flow	B	
Final Initial Flow	C	
Initial Shut-in	D	
Second Initial Flow	E	
Second Final Flow	F	
Second Shut-in	G	
Third Initial Flow	H	
Third Final Flow	I	
Third Shut-in	J	
Pressure Below Bottom Packer Bled To		

LYNES, INC.

Fluid Sample Report

Date 6-18-77 Ticket No. 5623
Company American Quasar Petroleum Co.
Well Name & No. UPRR # 3-5 DST No. 4
County Summit State Utah
Sampler No. -- Test Interval 9340-9550'

Pressure in Sampler 175 PSIG BHT 172 OF

Total Volume of Sampler: 2150 cc.
Total Volume of Sample: 1500 cc.
Oil: -- cc.
Water: None cc.
Mud: 1500 (oil & gas cut) cc.
Gas: 3.0 cu. ft.
Other: None

R.W. of sample 1.1 @ 71°F. = 5500 ppm. Chl.

Resistivity

Water: @ of Chloride Content ppm.
Mud Pit Sample 1.9 @ 70°F. of Chloride Content 3000 ppm.
Gas/Oil Ratio Gravity °API @ of

Where was sample drained On location

Remarks:

LYNES, INC.

Distribution of Final Reports

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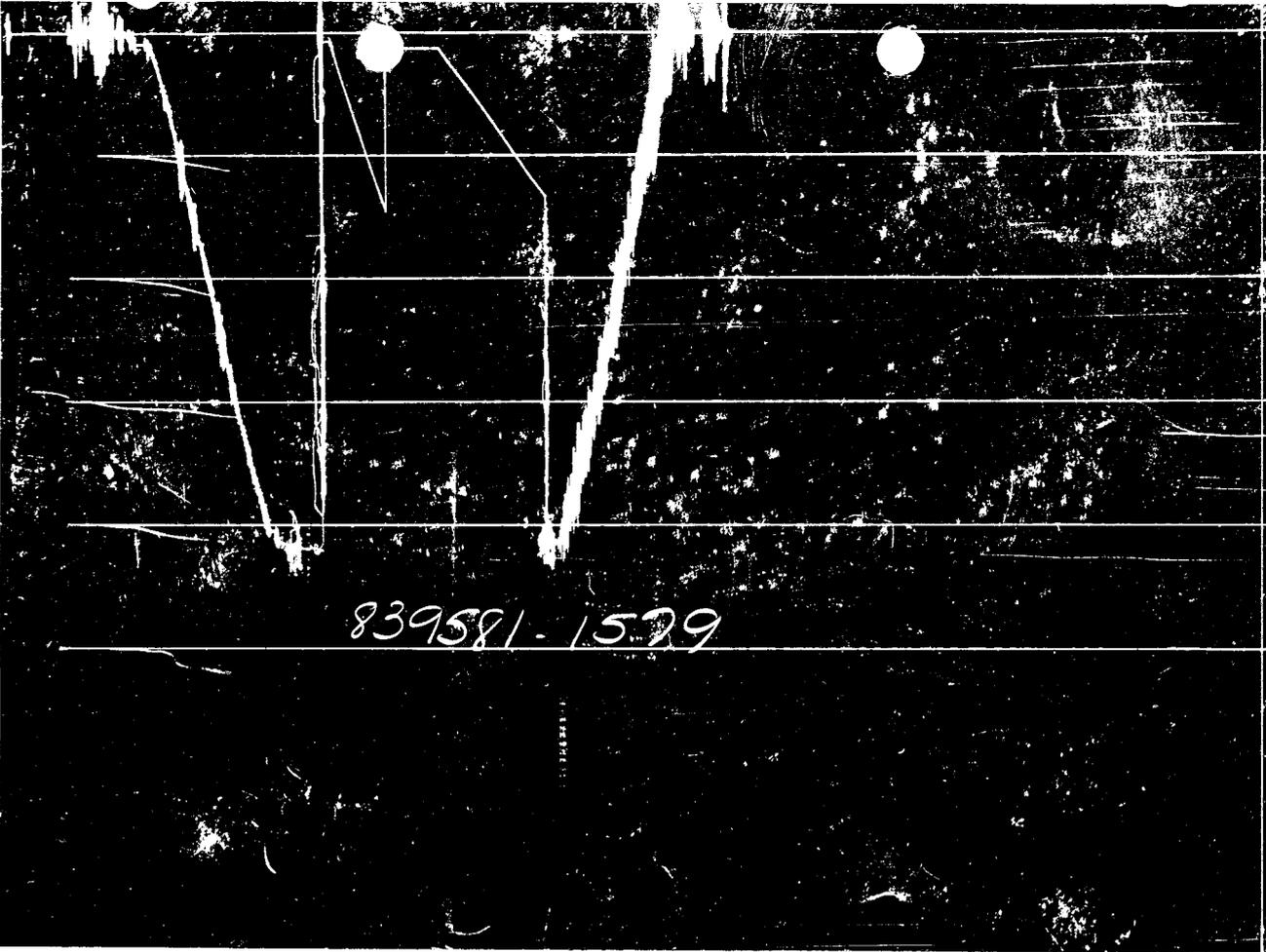
2 copies: Utah Oil & Gas Conservation Comm., 1588 N. Temple Temple, Salt Lake City,
Utah, 84116.

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

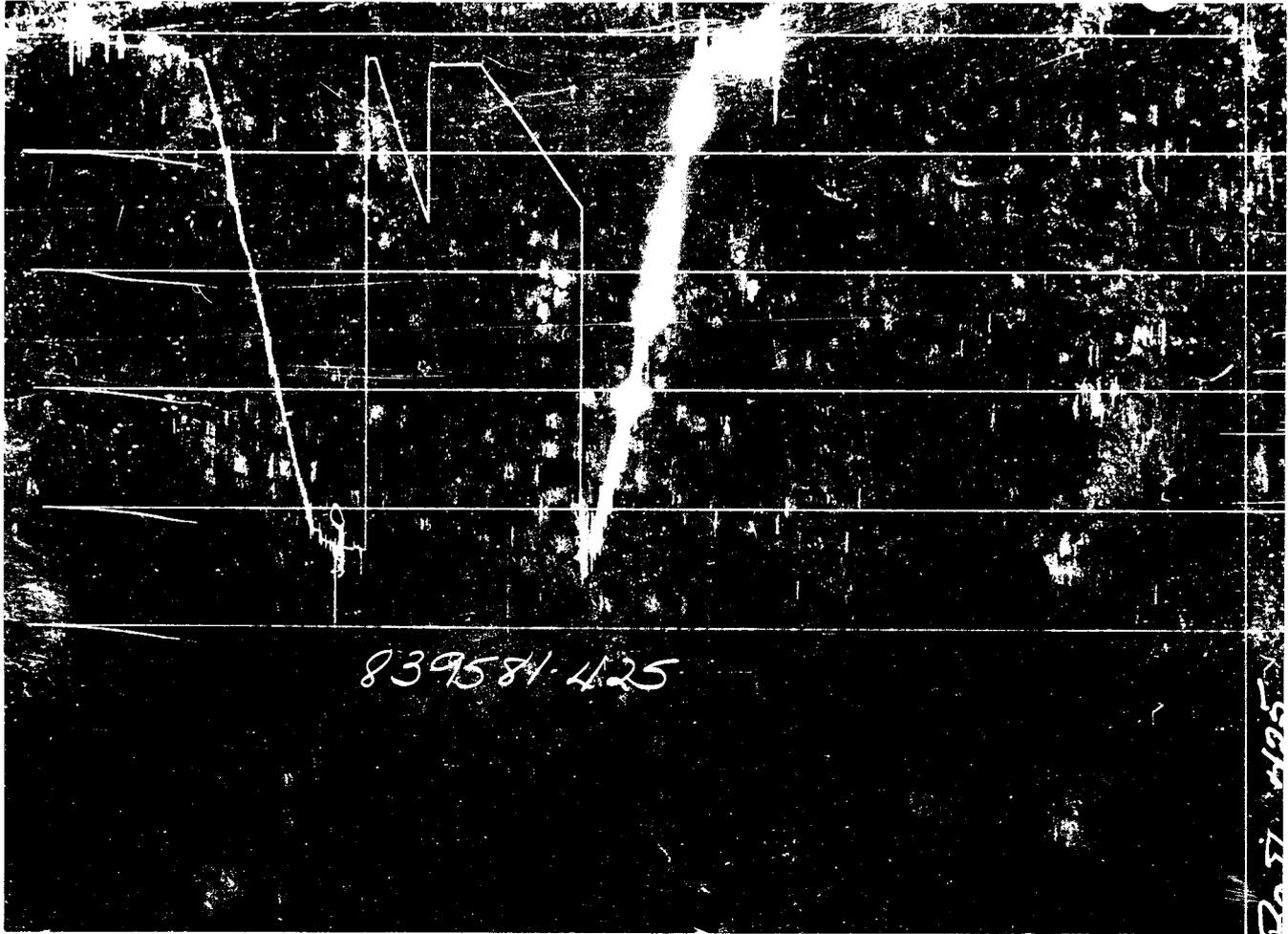
1 copy: North Central Oil Co., Attn: H. Lester, Box 27491, Houston, Texas, 77027.

1 copy: Cawley Gallespie, & Associates, Ft. Worth Club Bldg., 3rd Floor, Ft. Worth,
Texas, 76102, Attn: W. Evans.

↑ PRESSURE ↓



← TIME →



Each Horizontal Line Equal to 1000 p.s.i.

FLUID SAMPLE DATA			Date	6-14-77	Ticket Number	839581
Sampler Pressure	960	P.S.I.G. at Surface	Kind of Job	OPEN HOLE	Halliburton District	ROCK SPRINGS
Recovery: Cu. Ft. Gas	.757	??	Tester	MR. SLAUGH	Witness	MR. WALT BOWEN
cc. Oil			Drilling Contractor	TRUE DRILLING COMPANY # 14 sm		
cc. Water			EQUIPMENT & HOLE DATA			
cc. Mud			Formation Tested	Twin Creek		
Tot. Liquid cc.			Elevation	6781'		Ft.
Gravity		° API @	Net Productive Interval			Ft.
Gas/Oil Ratio		cu. ft./bbl.	All Depths Measured From	Kelly bushing		
		RESISTIVITY	Total Depth	9225'		Ft.
		CHLORIDE CONTENT	Main Hole/Casing Size	8 3/4"		
Recovery Water	@	°F.	Drill Collar Length *	485'	I.D.	2 1/2"
Recovery Mud	.90	@ 88 °F.	Drill Pipe Length	8670'	I.D.	3.826"
Recovery Mud Filtrate	.80	@ 88 °F.	Packer Depth(s)	8941-8949' Ft.		
Mud Pit Sample	@	°F.	Depth Tester Valve	8920'		Ft.
Mud Pit Sample Filtrate	@	°F.				
Mud Weight	8.9	vis 45 sec				

Cushion	TYPE	AMOUNT	Depth Back Pres. Valve	Surface Choke	Bottom Choke
			Ft.	1/4"	.75"
Recovered	250	Feet of	oil & gas cut mud		
Recovered		Feet of	Top sample 88 ⁰ .90		
Recovered		Feet of	Top tool .94 ⁰ 74 ⁰		
Recovered		Feet of	Sampler - no mud		
Recovered		Feet of			
Remarks	SEE PRODUCTION TEST DATA SHEET				
	*242' collars in anchor				

TEMPERATURE	Gauge No.	1579	Gauge No.	425	Gauge No.		TIME
	Depth:	8926 Ft.	Depth:	9222 Ft.	Depth:		
Est. 170 °F.	24 Hour Clock		24 Hour Clock		Hour Clock		Tool A.M.
	Blanked Off NO		Blanked Off YES		Blanked Off		Opened 0533 P.M.
Actual °F.	Pressures		Pressures		Pressures		Opened A.M.
	Field	Office	Field	Office	Field	Office	Bypass 0952 P.M.
Initial Hydrostatic	4131	4196	4322	4344			Reported Minutes
First Period Flow	Initial	64	86	109	242		Computed Minutes
	Final	86	78	219	239		
	Closed in	1460	1463	1594	1584		12
Second Period Flow	Initial	108	135	263	274		
	Final	108	129	263	292		61
	Closed in	1311	1341	1420	1462		124
Third Period Flow	Initial						
	Final						
Final Hydrostatic	4109	4162	4257	4294			

Legal Location Sec. - Twp. - Rng. 3 2 N - 7 E
 Lease Name U P R R 3-5
 Well No. 3-5
 Test No. 3
 Tested Interval 8949 - 9225'
 County SUMMIT
 State UTAH
 Lease Owner/Company Name AMERICAN QUASAR PETROLEUM COMPANY

Casing perms. _____ Bottom choke .75" Surf. temp 60 Ticket No. 839581
 Gas gravity _____ Oil gravity _____ GOR _____
 Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED

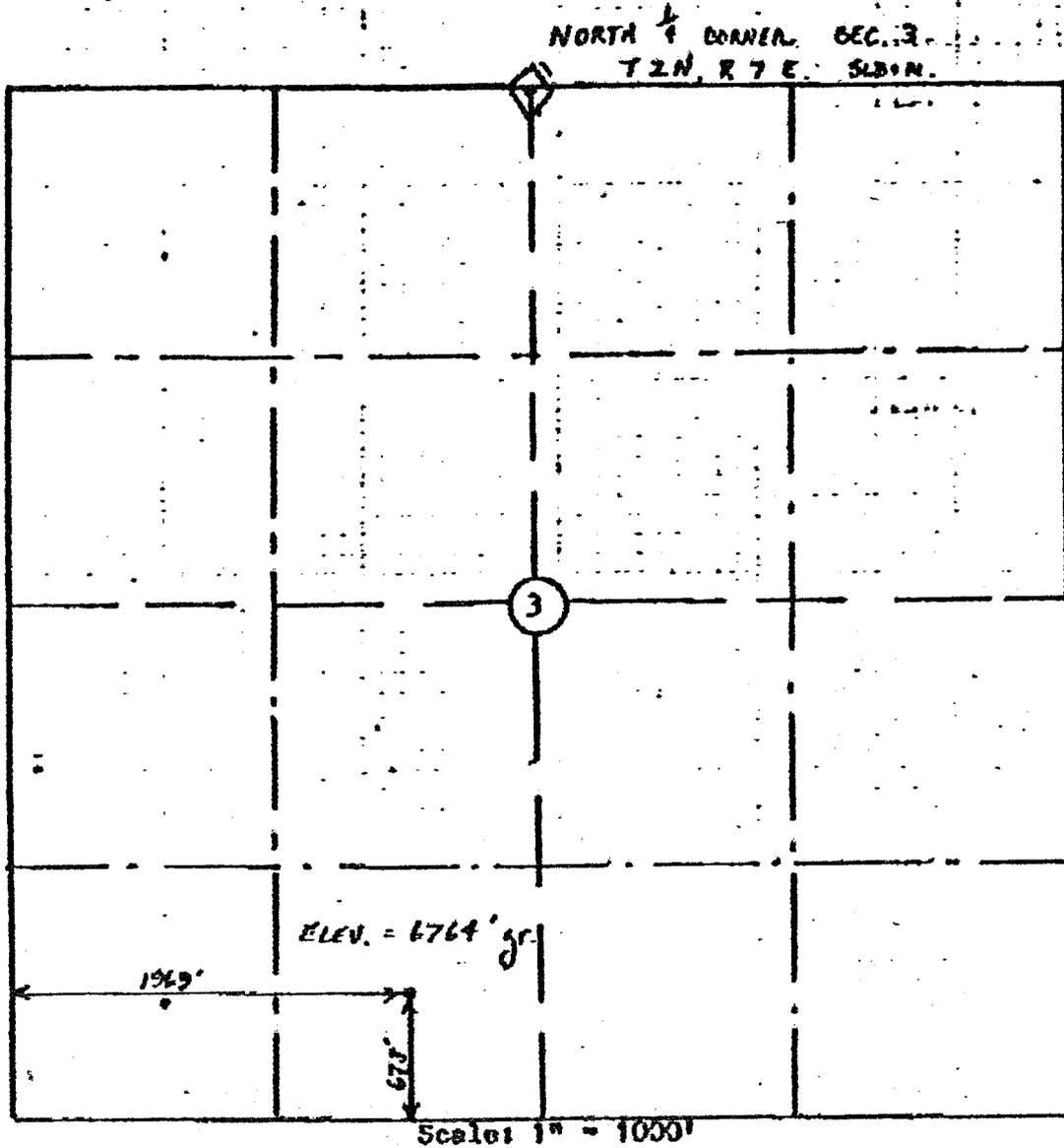
Date Time	a.m. p.m.	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
6-13						
2130						On location
2330						Picked up tools
6-14						
0130						Started in hole with tools
0500						Rigged up test manifold
0533						Opened tool with no blow
0534						Strong blow thru bubble hose
0541						2# bubble hose.
0545						Closed tool
0647						Opened tool with strong blow thru bubble hose
0648						5½#
0649		1/4"	6½	No gas		1/4 choke
0659		"	6½	"		No gas to surface
0709		"	5 3/4	"		"
0719		"	5	"		"
0725		"	5	29		Gas to the surface in 38 minutes.
0729		"	4	27.9		Gas to the surface
0739		"	3.5	27.2		Gas
0748						Closed tool
0952						Opened bypass & started out of hole.
1400						Job complete.

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing	6 1/2"	3.50"	1'	
Reversing Sub				
Water Cushion Valve				
Drill Pipe	4 1/2"	3.826"	8670'	
Drill Collars	6 1/2"	2.50"	243'	
Handling Sub & Choke Assembly	6 1/2"	2.75"	.82'	
Dual CIP Valve				
Dual CIP Sampler	5"	.87"	6.75'	
Hydro-Spring Tester	5"	.75"	5'	8920'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3.06"	4.12'	8926'
Hydraulic Jar	5"	1.75"	5'	
VR Safety Joint	5"	1"	2.62'	
Pressure Equalizing Crossover				
Packer Assembly	5"	1.53"	5.30'	8941'
Distributor	5"	1.68"	2'	
Packer Assembly	5"	1.53"	5.30'	8949'
Flush Joint Anchor				
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint	5"	1.50"	4'	
Sub	5 3/4"	2 3/8"	1'	
Side Wall Anchor Sub	6 1/2"	2.25"	.85'	
Drill Collars	6 1/2"	2.50"	242.82'	
Sub	6 1/2"	2.25"	.80'	
Flush Joint Anchor Sub	5 7/8"	2.25"	.80'	
Anchor	5"	2.50"	20'	
Blanked-Off B.T. Running Case	5"	3.06"	4'	9222'
Total Depth				9225'

SUBJECT Location of the NE 1/4 of the SW 1/4, Sec. 3
T.2.N., R.7.E., SLB&M

UPRR 3-5

R. 7 E.



SUMMIT ENGINEERING INC. surveyed the following location for an oil well for American Qassar Petroleum Co.

The center of the SE 1/4 of the SW 1/4 of Section 3, T.2.N., R.7.E., SLB&M, Summit County, Utah. A point further described as North 673.0 feet from the South section line and East 1969.0 feet from the West section line, Section 3, T.2.N., R.7.E., SLB&M, Summit County, Utah.

DATE NOV. 5, 1976

D. J. SILVER
No. 2491

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

P

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name and Number UPRP 3-5
 Operator American Quasar Petroleum Co.
 Address Casper, Wyo.
 Contractor True Drilg. Co.
 Address Casper, Wyo.

Location SE^{1/4}, SW^{1/4}, Sec. 3; T. 2 N; R. 7 E; Summit County

	Water Sands:		Volume: Flow Rate or Head-	Quality: Fresh or salty-
	From- Depth:	To-		
1.	<u>340'</u>		<u>Hold w/ 10.8 lb. mud</u>	<u>Fresh</u>
2.				
3.				
4.				
5.				

(continue on reverse side if necessary)

Formation Tops:	Depth	Formation	Depth
<u>Kelvin</u>	<u>2675</u>	<u>Gypsum Springs</u>	<u>9572</u>
<u>Stump</u>	<u>5780</u>	<u>Nugget</u>	<u>9620</u>
<u>Preuss</u>	<u>6318</u>	<u>TD</u>	<u>10330</u>
<u>Salt</u>	<u>8243-8258</u>		
<u>Twin Creek</u>	<u>8330</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 CONSERVATION

State Lease No. _____
 Federal Lease No. _____
 Indian Lease No. _____
 Fee & Pat. X

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

P

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:
April, 19 77.

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

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

Sec. and 1/4 of 1/4	Twp.	Range	Well No.	Days Produced	Barrels of Oil	Gravity	Cu. Ft. of Gas (In thousands)	Gallons of Gasoline Recovered	Barrels of Water (if none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
Sec. 3 SE SW UPRR	2N	7E	3-5							Spudded 4-14-77 Set 13 3/8" cond. pipe @ 45'. Ran 9 5/8" csg. CS-1470' Drlg. @ 3148'.
										Gas Sold <u>0</u> Flared/Vented <u>0</u> Used on/off Lease <u>0</u>

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

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

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

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

State Lease No. _____
 Federal Lease No. _____
 Indian Lease No. _____
 Fee & Pat. X

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:
May, 1977

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

Company American Quasar Petroleum Co.
 Signed A. H. Hurley, Jr. (ed)
 Title A. H. Hurley, Jr.
Division Operations Manager

Sec. and 1/4 of 1/4	Twp.	Range	Well No.	Days Produced	Barrels of Oil	Gravity	Cu. Ft. of Gas (In thousands)	Gallons of Gasoline Recovered	Barrels of Water (if none, so state)	REMARKS (if drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
Sec. 3 SE SW UPRR	2N	7E	3-5							Dr1g @ 8250' DST #1 7700-7797'

Gas Sold 0
 Flared/Vented 0
 Used on/off Lease 0

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

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

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL & GAS CONSERVATION
1588 WEST NORTH TEMPLE
SALT LAKE CITY, UTAH 84116
328-5771

State Lease No. _____
Federal Lease No. _____
Indian Lease No. _____
Fee & Pat. X

P

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:
June, 1977

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

Sec. and 1/4 of 1/4	Twp.	Range	Well No.	Days Produced	Barrels of Oil	Gravity	Cu. Ft. of Gas (In thousands)	Gallons of Gasoline Recovered	Barrels of Water (if none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
Sec. 3 SE SW UPRR	2N	7E	3-5							TD 10,330' DST #2 8690/8950' (Twin Creek) DST #3 8950/9225' (Twin Creek) DST #4 9340/9550' (Twin Creek) Ran Logs Ran & cemented 7" csg. CS-10,329' FC-10,299' Rltd drlg rig 6-27-77 Gas Sold _____ 0 _____ Flared/Vented _____ 0 _____ Used on/off Lease _____ 0 _____

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

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

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

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

State Lease No. _____
 Federal Lease No. _____
 Indian Lease No. _____
 Fee & Pat. _____ **X**

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, 1977.

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

Company American Quasar Petroleum Co.
 Signed A. H. Hurley, Jr. (dd)
 Title A. H. Hurley, Jr.
Division Operations Manager

Sec. and 1/4 of 1/4	Twp.	Range	Well No.	Days Produced	Barrels of Oil	Gravity	Cu. Ft. of Gas (In thousands)	Gallons of Gasoline Recovered	Barrels of Water (if none, so state)	REMARKS (If drilling, depth; if shut down, cause and result of test for gasoline content of gas)
Sec. 3 SE SW UPRR	2N	7E	3-5							TD 10,330' MI Comp. Rig 7-6-77. Ran Logs Pfd 9248/9258' 9266/9271' 9280/9295' 9310/9320' 9335/9350' 9378/9898' (Twin Creek) Acdz 9248/9398' (Twin Creek) Pfd 9002/9072' (TC) Acdz 9002/9072' (TC) Pfd 9120/9170' (TC) Acdz 9120/9170' (TC) Pfd 9476/9506' (TC) 9516/9526' (TC) Ran & cmtd 7" retainer @ 9410'. Sqzd pfs 9120/9170' (TC) Gas Sold _____ 0 Flared/Vented _____ 0 Used on/off Lease _____ 0

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

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

14
P

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

5. LEASE DESIGNATION AND SERIAL NO.
FEE
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
UPRR
9. WELL NO.
3-5
10. FIELD AND POOL, OR WILDCAT
Pineview
11. SEC., T., R., M., OR BLOCK AND SURVEY
OR AREA
Sec. 3-2N-7E

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

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

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

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

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface
1969' FWL, 673' FSL (SE SW)
At top prod. interval reported below
Same
At total depth
Same

14. PERMIT NO. 43-043-30035
DATE ISSUED 1-21-77
12. COUNTY OR PARISH Summit
13. STATE Utah



15. DATE SPUNDED 4-14-77
16. DATE T.D. REACHED 6-27-77
17. DATE COMPL. (Ready to prod.) 8-18-77
18. ELEVATIONS (DF, RSB, BT, GR, ETC.)*
19. ELEV. CASINGHEAD -----

20. TOTAL DEPTH, MD & TVD 10,330'
21. PLUG, BACK T.D., MD & TVD 10,160'
22. IF MULTIPLE COMPL., HOW MANY* Dual
23. INTERVALS DRILLED BY
ROTARY TOOLS 0-TD
CABLE TOOLS -----

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
9248/9398, 9002/9072, 9476/9526 Twin Creek
9675/9767 Nugget
25. WAS DIRECTIONAL SURVEY MADE Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN
Proximity, BHC Sonic, Neutron Density, Dual Laterolog, Dipmeter,
GR-CCL-CBL
27. WAS WELL CORED No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	54.5#	45'	17 1/2"		None
9 5/8"	36#	1470'	12 1/4"	850 sx	None
7"	23 & 26#	10,329'	8 3/4"	600 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"	9557'	9557'
2 3/8"	8944'	-----

31. PERFORATION RECORD (Interval, size and number)
See Attached

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)
8-14-77	Flowing	Producing

DATE OF TEST	HOURS TESTED	PIPE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL. 85	GAS—SCF. 93.5	WATER—BBL. 0	GAS-OIL RATIO 1100
8-18-77	10-24 N-24	14/64"	→	612	610	0	997

FLOW-TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL. 85	GAS—SCF. 93.5	WATER—BBL. 0	OIL GRAVITY-API (CORR.) 43° (Est.)
175	0	→	N-612	610	0	

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

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED TITLE Division Operations Manager DATE 8-24-77

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

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 38, below regarding separate reports for separate completions.

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

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

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
	SEE ATTACHED		

38. GEOLOGIC MARKERS

NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH
Wasatch	Surface	
Kelvin	2675'	
Stump	5780'	
Preuss	6318'	
Salt	8243-58'	
Twin Creek	8330'	
Leads	8713'	
Walton Canyon	9002'	
Boundary Ridge	9202'	
Rich	9245'	
Sliderock	9472'	
Gypsum Springs	9572'	
Nugget	9620'	
TD	10330'	

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

State Lease No. _____
 Federal Lease No. _____
 Indian Lease No. _____
 Fee & Pat. X

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

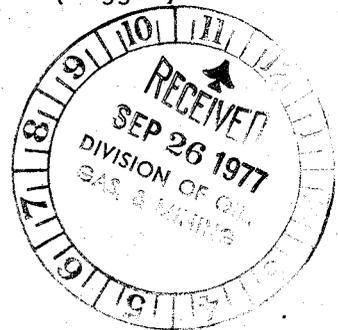
REPORT OF OPERATIONS AND WELL STATUS REPORT

STATE Utah COUNTY Summit FIELD/LEASE Pineview

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

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

Sec. and 1/4 of 1/4	Twp.	Range	Well No.	Days Produced	Barrels of Oil	Gravity	Cu. Ft. of Gas (In thousands)	Gallons of Gasoline Recovered	Barrels of Water (if none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
Sec. 3 SE SW UPRR	2N	7E	3-5	9	TWIN CREEK		1024	0	73	Completed 8-19-77 Pfd. 9675/9690' 9712/9727' 9728-9748' 9752/9767' (Nugget) Ran 2 3/8" tbg. Oil sqd pfs 9675/9767' (Nugget)
					NUGGET	11872	0	0		
						12803		73		
						Shrinkage		1973		
			TC	909				TC	0	



TC 0
 Gas Sold N 5291
 Flared/Vented 1044
 Used on/off Lease 65

NOTE: There were 11680 runs or sales of oil; N 5291 M. cu. ft. of gas sold;
0 runs or sales of gasoline during the month.

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

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 American Quasar Petroleum Co. of New Mexico		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR 707 United Bank Tower 1700 Broadway Denver, 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 1969' FWL, 673' FSL, Sec. 3		8. FARM OR LEASE NAME UPRR	
14. PERMIT NO.		9. WELL NO. 3-5	
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 6781 KB		10. FIELD AND POOL, OR WILDCAT Pineview	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 3, 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 checked="" 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.)*

Propose to perforate & acidize additional Nugget pay as follows:

Perforate 9850-9866 and 9900-9917 w/1 SPF
Acidize w/5000 gals 15%
Return to production

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING

DATE: 3-27-81
BY: M. J. Munder

18. I hereby certify that the foregoing is true and correct
SIGNED [Signature] TITLE Division Operations Manager DATE 3/5/81

(This space for Federal or State office use)

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

COMPLETION REPORT ATTACHMENT

UPRR 3-5

31. Perforation Record:

Pfd. 9248/9258, 9266/9271, 9280/9295, 9310/9320, 9335/9350, 9378/9398 (Twin Creek) w/1 spf -- 4" csg gun.

Pfd. 9002/9072 (Twin Creek) w/ 1 spf -- 4" csg gun.

Pfd. 9120/9170 (Twin Creek) w/ 2 spf -- 2" csg gun.

Pfd 9476/9506, 9516/9526 (Twin Creek) w/ 2 spf -- 4" csg gun.

Pfd 9675/9690, 9712/9727, 9728/9748, 9752/9767 (Nugget) w/ 2 spf.

32. Acid & Squeeze Record:

Acdz. 9248/9398 (not continuous) w/ 20,000 gals 15% HCl w/ 50 7/8" ball sealers, flushed w/ 10 bbls. spacer wtr + 60 bbls lease crude.

Acdz. 9002/9072 w/ 192 bbls 28% HCl + 240 bbls WF60 + 240 bbls WF60 w/ 2#/gal 100 mesh sd, 168 bbls super-x emulsion, 120 bbls WF60 w/ 800# benzoic acid flakes, flushed w/ 57 bbls 2% KCl wtr.

Acdz. 9120/9170' w/ 10,000 gals 15% HCl w/ 182 bbls CO₂, flushed w/ 27 BW & 27 bbls CO₂.

Sqd. 9120/9170' w/ 50 sx Class G cmt w/ 10% salt.

Oil sqd. 9675/9767 (not continuous) w/ 437 bbls lse crude w/ 1 gal/1000 WA215 surfactant w/ 90 ball sealers, flushed w/ 63 bbls lse crude.

37. Drill Stem Tests

DST #1 7700/7797 (Pruess) TO 10" w/ immed. fair blow, SI 60", TO 60" w/med strong blow, declining to wk blow @ end of test; SI 120". Rec. 3255' gas and 150' G/C/drlg mud; IHP-3988; IFP-86/103; ISIP-43; FFP-103/86; FSIP-43; FHP-4030

DST #2 8690/8950 (Twin Creek) TO 10" w/ wk blow; SI 60"; TO 60" w/very wk blow, dead in 10"; SI 120". Rec 50' muddy wtr; IHP-4194; IFP-43/43; ISIP-216, FFP-43/43; FSIP-216; FHP-4194.

DST #3 8950/9225' (Twin Creek) TO 10" w/ good blow; SI 60"; TO 60" w/ good blow, remaining steady thruout; SI 120". Rec. 250' slily O&G/C/M; IHP-4131; IFP-64/109; ISIP-1460; FFP-86/108; FSIP-1311; FHP-4109.

DST #4 9340/9550 (Twin Creek) TO 10" w/ very wk blow; SI 60"; TO 60" w/ wk blow incr. to strong in 5", GTS in 21"; had max gas flow of 29.9 MCFD; SI 120"; rec. 470' hvly O&G/C/M; IHP-4453 (no IFP or ISIP--tool slid 1½' on preflow); FFP-191/255; FSIP-3803; FHP-4440.

CLASS II FILE NOTATIONS

DATE FILED: 4/84 OPERATOR: American Quasar WELL NO. 3-5

Sec. 3 T. 2W R. 7E QRT/QRT: _____ COUNTY: Summit

New Well? _____ Conversion? Disposal Enhanced Recovery _____

SURETY/Bond? Card Indexed? API Number: 43-043-30035

APPLICATION FILE COMPLETION

Completed Form DGM-UIC-1?

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

Surface Owner(s): _____ Operators: water well(s) _____, abandoned well(s) , producing wells or drilling well(s) _____, dry holes _____

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

Schematic diagram of Well: TD: 10,430, PBTD: 8900, Depth of Inj/Disp interval: 5780-6305, geologic name of inj/dis interval Stamp, Casing and cement: top 5750, bottom _____, Size of: casing 13 7/8 tubing 2 7/8, depth of packer: 8760'

Assessment of existing cement bond: At 5750' 200 SX

Location of Bottomhole: _____ MAXIMUM INJECTION RATE: 10000 B/D

MAXIMUM SURFACE INJECTION PRESSURE: 2500 PSI

Proposed Operating Data:

Procedure for controlling injection rates and pressures: cut off switch @ pump
Geologic name: Stamp, depth, -3500 elev., location of injection fluid source: Analysis of water to be injected ~ 36765 tds, water of injection formation 0470 tds., EXEMPTION REQUIRED? no

~~Injection zone~~ and confining zone data: lithologic description SS + shale, geologic name Elvin, thickness _____, depth _____, lateral extent _____

USDW's that may be affected by injection: geologic name None, lateral extent _____, depth to the top and bottom of all known USDW's _____

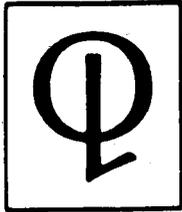
Contingency plans? _____

Results of formation testing? Swab sample Stamp water / no oil
Description of mechanical integrity test _____, injection procedure press. Annulus to 1500 psi & hold

CHECKED BY: UIC ADMINISTRATOR: _____

UIC GEOLOGIST: [Signature]

Application Complete? Notice Published Date: 5/28/84
DIRECTOR: Approved? approval letter sent Requires hearing no



AMERICAN QUASAR PETROLEUM CO. OF NEW MEXICO

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

April 12, 1984

RECEIVED

APR 20 1984

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

**DIVISION OF OIL
GAS & MINING**

Attention: Ron L. Firth

Subject: Rule I-5, Application for Approval of Class II Injection Well
UPRR 3-5, Pineview Field, Summit County, Utah

Gentlemen:

Pursuant to Rule I-5 of the Oil and Gas Conservation General Rules, American Quasar requests administrative approval to convert the UPRR 3-5 to saltwater disposal. The following attachments are submitted:

- DOGM-UIC-1 (Application)
- Representative Water Analyses
- Offset Interest Map
- DOGM-UIC-2
- Existing Well Bore Sketch
- Proposed Well Bore Sketch
- Stump Formation Structure Map
- Nugget Formation Structure Map
- Discussion of Formation and Injection Design Criteria
- (All available electric logs are on file with your office)

A short geologic discussion is presented for your information:

The Pineview Field is an east-west trending anticline on the hanging wall of the northeast-southwest trending Absaroka Thrust fault. The Nugget and Twin Creek formations, which produce at Pineview, are cut off by the Absaroka on the east side of the structure. On the north flank the same formations are faulted up relative to the north Pineview anticline in Sections 26 and 35. The south flank has dips of 7° to 15° into a syncline separating it from the Elkhorn structure.

Smaller subsidiary faults parallel to the Absaroka cut the Pineview anticline on the east and west sides. There is about 2650 feet of structural closure, of which 1060 feet was originally oil productive in the Nugget.

Page Two
Application for Saltwater Disposal
April 12, 1984

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

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

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

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

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

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

Please direct any questions or requests for additional information to me at this office.

Very truly yours,



John D. Dolan
Division Production Manager

JDD:sb
attachments

cc: Bill Bogert, Fort Worth
Paul Smith, Coalville
Mary Marson, Denver

Attachment to Application for Conversion of UPRR 3-5 to Saltwater Disposal

Pursuant to Rule I-5, the following information and discussion is provided concerning the proposed water disposal in the Stump formation in the UPRR 3-5 well:

Formation Properties

Depth - elevation	5780'
Gross thickness	578'
Lithology	Interbedded sh, sltst & ss
Average permeability - k	29.1 MD (1)
Gross injection zone	5780-6305
Net injection footage - h	235'
Average porosity - O%	10
Formation temperature	140°F
Fracture gradient - psi/ft	.922 psi/ft (2)
Specific gravity of injected water - SG	1.04
Hydrostatic gradient of injected water - psi/ft	.4515
Daily injection volume - BWPD	10,000 max, 2500 avg
Formation volume factor for water - B _w	1.0

A. Injection pressure at the Stump formation is calculated as follows:

$$P_1 = P_2 - P_3 + P_4 = (5800)(.4515) - (100) + 2500 = \underline{5019} \text{ psi}$$

Where:

P_1 = Injection pressure at formation

P_2 = Hydrostatic pressure

P_3 = Pressure loss due to tubing friction across perf's

P_4 = Surface injection pressure (maximum allowable)

B. Fracturing pressure at the Stump formation is:

$$P_5 = (5780)(.922) = 5329 \text{ psi}$$

C. Difference between injection pressure and fracturing pressure:

$$P_5 - P_1 = \underline{310} \text{ psi}$$

- (1) Based on weighted average core permeability measured from the Newton Sheep 4-5S.
- (2) Based on acid breakdown pressures in the Clark 4-1, UPRR 9-1 and Newton Sheep 9-1 during July and August, 1983.

D. Volumetric calculations to show lateral extent of migration:

i) Volume of water = $2500 \frac{\text{bbl}}{\text{day}} \times 365 \frac{\text{day}}{\text{year}} = \frac{912,500 \text{ bbl}}{\text{yr}} = V_1$

ii) Stump storage per acre:

$$V_2 = 0 \times h \text{ (ft)} \times 43560 \frac{\text{ft}^2}{\text{acre}} \times \frac{1}{5.614} \frac{\text{bbl}}{\text{ft}^3} \times B_w \frac{\text{bbl}}{\text{bbl}}$$

$$V_2 = (.10)(235')(43560) \left(\frac{1}{5.614} \right) (1.0) = \frac{182,340 \text{ bbl}}{\text{acre}}$$

iii) Acres of influence per year:

$$A = \frac{V_1}{V_2} = \frac{921,500 \frac{\text{bbl}}{\text{acre}}}{182,340 \frac{\text{bbl}}{\text{acre}}} = \underline{5.0 \text{ acres}}$$

iv) Radius of influence:

$$r = \left(\frac{(A)(43560)}{\pi} \right)^{1/2} = \left(\frac{(5.0)(43560)}{\pi} \right)^{1/2}$$

$$r = \underline{263} \text{ feet PER YEAR}$$

E. Injected fluids are expected to be wholly contained in Stump formation.

F. Tubing-casing annulus to be tested to 1500 psi and witnessed by State representative.

G. High-low pressure switches are to be installed to shut down injection pumps. Field personnel check injection stations a minimum of three times daily.

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

UPRR 3-5

CONVERSION TO WATER DISPOSAL

SE SW SECTION 3, T2N-R7E

SUMMIT COUNTY, UTAH

1. MIRU service unit. Unload work string.
2. RU wireline. Run gauge ring/JB to $\pm 8400'$. Correlate Gamma-Ray (GR) Casing Collar Log (CCL) to Petrolog's Cement Bond Log run 7/5/77. PU cement retnr & set @ $\pm 8300'$. RD wireline.
3. PU stinger & tbg. TIH, sting into retnr, & establish rate. Pump 200 sx sqz & displace to retnr. Unsting, pull 6 std, reverse & TOH.
4. RU Wireline. Run GR-CCL 6500-5500'. Correlate to Schlumberger GR run on Sonic log on 6/25/77. Shoot sqz perfs using 4" csg gun, 4 SPF @5750-52' (12 holes). Set cement retnr (CR) @ $\pm 5730'$. RD wireline.
5. PU stinger & TIH. Sting into retnr. Test annulus to 1500 psi & hold. Open 7-9 5/8" annulus & attempt to break circulation. If circulation can be established, circulate cement to surface (approximately 2600 sx will be needed to circ cement.) If circulation cannot be established, pump 300 sx sqz using low water loss cement. BHT 140°F. Minimum pump time of 2½ hrs. Unsting, pull 6 std, reverse clean & TOH.
6. PU bit, 6 DC & TIH. Drill out cement retnr & cement. Push junk & debris past $\pm 6450'$. Reverse clean & TOH.
7. RU wireline. Perforate sqz perfs @6360-62' using 4" csg gun, 4 SPF (12 holes). Set cement retnr @ $\pm 6350'$. RD wireline.
8. PU stinger & TIH. Sting into retnr, establish rate & pump 200 sx sqz using same cement properties as in Step #6. Unsting, pull 6 std, reverse & TOH.
9. RU wireline. Run CCL-GR-CBL (w/2' wavetrain) from PBTD ($\pm 6350'$) to cement top of upper sqz. If uphole isolation (bond) is good to $\pm 5700'$, proceed to perforate Upper Stump @5780-90' & 5800-10' w/4" csg gun using 4 SPF phased @90° (80 holes total). RD wireline.
10. PU retrievable pkr, TIH & set @ $\pm 5760'$ (below sqz perfs). Notify State if they wish to witness test for hydrocarbon. RU swab & evaluate formation fluids for hydrocarbon entry. If no hydrocarbons are found, proceed to additional perforating for Stump injection below. Notify Denver office if commercial hydrocarbons are encountered, for additional instructions.
11. Load tbg, rels pkr & TOH. LD work string, RU wireline & perf additional Stump injection perfs using 4" csg gun w/2 SPF as follows:
5840-60', 42 shots, 5875-5915', 82 shots, 5930-6000', 142 shots,
6010-6030', 42 shots, 6090-6120', 62 shots, 6172-6192', 42 shots,
6290-6305', 32 shots, total of 444 shots.

Set permanent pkr @ $\pm 5760'$. RD smoking wireline.

- 12. PU seal assy & PU injection string. Sting into pkr @±5760'. Space out & land. ND BOP's & NU injection wellhead. Release rig.
- 13. Complete laying injection line & place well on injection.

APPROVED John D. Dolan DATE 4/12/84

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

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

IN THE MATTER OF THE APPLICATION OF
American Quasar Petroleum Co.
 ADDRESS 1700 Broadway #707
Denver, Colorado ZIP 80290
 INDIVIDUAL PARTNERSHIP CORPORATION
 FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR
 INJECT FLUID INTO THE UPRR 3-5 WELL
 SEC. 3 TWP. 2N RANGE 7E
Summit COUNTY, UTAH

CAUSE NO. _____

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

APPLICATION

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

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

Lease Name <u>UPRR</u>	Well No. <u>3-5</u>	Field <u>Pineview</u>	County <u>Summit</u>
Location of Enhanced Recovery Injection or Disposal Well <u>SE 1/4 SW 1/4</u> Sec. <u>3</u> Twp. <u>2N</u> Rge. <u>7E</u>			
New Well To Be Drilled Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Old Well To Be Converted Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Casing Test Yes <input type="checkbox"/> No <input type="checkbox"/> Date _____	
Depth-Base Lowest Known Fresh Water Within 1/2 Mile <u>200'</u>	Does Injection Zone Contain Oil-Gas-Fresh Water Within 1/2 Mile YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		State What <u>None</u>
Location of Injection Source(s) <u>Pineview Field</u>	Geologic Name(s) and Depth of Source(s) <u>Twin Creek (-3500' elev)</u> <u>Nugget (-4500' elev)</u>		
Geologic Name of Injection Zone <u>Stump formation</u>	Depth of Injection Interval <u>5880</u> to <u>6305</u>		
a. Top of the Perforated Interval: <u>5880</u>	b. Base of Fresh Water: <u>±2900</u>	c. Intervening Thickness (a minus b) <u>2982</u>	
Is the intervening thickness sufficient to show fresh water will be protected without additional data? <u>YES</u> NO			
Lithology of Intervening Zones			
Injection Rates and Pressures Maximum <u>10,000</u> B/D <u>2,500</u> PSI			
The Names and Addresses of Those to Whom Notice of Application Should be Sent.			
<u>Champlin Petroleum Co. P.O. Box 1257 Englewood, CO 80150</u>			
<u>B. A. Bingham Honeywell, UT 84314</u>			

State of Colorado,
 County of Denver

John D. Dolan
 John D. Dolan Applicant Div. Prod. Mgr.

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

Suscribed and sworn to before me this 12th day of April, 19 84

SEAL

My commission expires 9/15/85

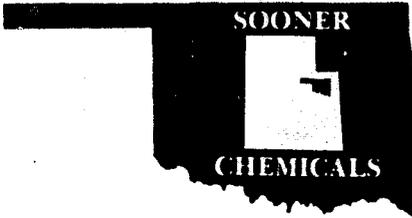
James H. Blum
 Notary Public in and for Kleaver, Colorado

INSTRUCTIONS

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

CASING AND TUBING DATA

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
Surface	13 3/8"	45'	--	Surface	circulated
Intermediate	9 5/8"	1470'	850	Surface	circulated
Production	7"	10329	600	7550'	logged
Tubing	--	--	Name - Type - Depth of Tubing Packer		
Total Depth 10330	Geologic Name - Inj. Zone Stump		Depth - Top of Inj. Interval 5780		Depth - Base of Inj. Interval 6305



SOONER CHEMICAL SPECIALTIES, INC.

P.O. Box 711 SEMINOLE, OKLAHOMA 74868 Phone (405) 382-2000
 P.O. Box 696 GRAND JUNCTION, COLORADO 81502 Phone (303) 858-9765
 P.O. Box 1436 ROOSEVELT, UTAH 84066 Phone (801) 722-3386

WATER ANALYSIS REPORT

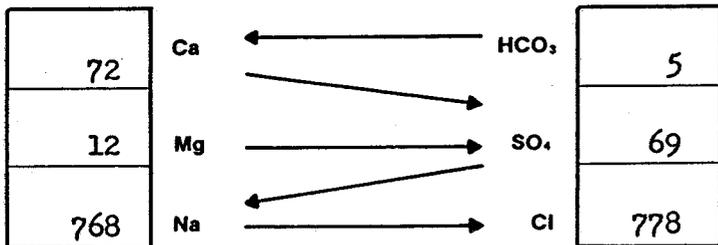
COMPANY American Quasar ADDRESS Coalville, Utah DATE: 3-14-83

SOURCE 2 & 10 Group DATE SAMPLED 3-11-83 ANALYSIS NO. 918

Analysis	Mg/l (ppm)	*Meq/l
1. PH	<u>6.4</u>	
2. H ₂ S (Qualitative)	<u>None Detected</u>	
3. Specific Gravity	<u>1.0400</u>	
4. Dissolved Solids		
5. Suspended Solids		
6. Anaerobic Bacterial Count <u>Initiated Culture</u> C/MI		
7. Methyl Orange Alkalinity (CaCO ₃)	<u>240</u>	
8. Bicarbonate (HCO ₃)	HCO ₃ <u>293</u> ÷61 <u>5</u> HCO ₃	
9. Chlorides (Cl)	Cl <u>27,612</u> ÷35.5 <u>778</u> Cl	
10. Sulfates (SO ₄)	SO ₄ <u>3,300</u> ÷48 <u>69</u> SO ₄	
11. Calcium (Ca)	Ca <u>1,440</u> ÷20 <u>72</u> Ca	
12. Magnesium (Mg)	Mg <u>146</u> ÷12.2 <u>12</u> Mg	
13. Total Hardness (CaCO ₃)	<u>4,200</u>	
14. Total Iron (Fe)	<u>1</u>	
15. Barium (Qualitative)	<u>0</u>	
16. Phosphate Residuals	<u>9.4</u>	

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION



Compound	Equiv. Wt.	X	Meq/l	=	Mg/l
Ca (HCO ₃) ₂	81.04		<u>5</u>		<u>405</u>
Ca SO ₄	68.07		<u>67</u>		<u>4,561</u>
Ca Cl ₂	55.50				
Mg (HCO ₃) ₂	73.17				
Mg SO ₄	60.19		<u>2</u>		<u>120</u>
Mg Cl ₂	47.62		<u>10</u>		<u>476</u>
Na HCO ₃	84.00				
Na ₂ SO ₄	71.03				
Na Cl	58.46		<u>768</u>		<u>44,897</u>

Saturation Values	Distilled Water 20° C
Ca CO ₃	13 Mg/l
Ca SO ₄ · 2H ₂ O	2,090 Mg/l
Mg CO ₃	103 Mg/l

REMARKS _____



SOONER CHEMICAL SPECIALTIES, INC.

P.O. Box 711 SEMINOLE, OKLAHOMA 74868 Phone (405) 382-2000
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 P.O. Box 1436 ROOSEVELT, UTAH 84066 Phone (801) 722-3386

WATER ANALYSIS REPORT

COMPANY American Quasar ADDRESS Coalville, Utah DATE: 3-14-83

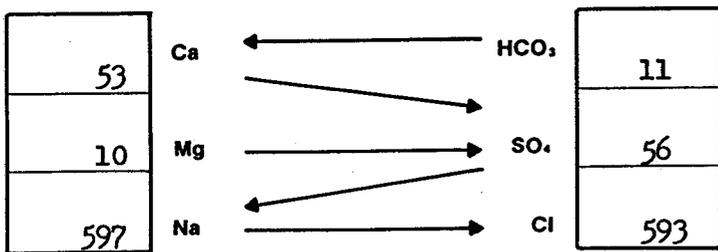
SOURCE Section 3 Group DATE SAMPLED 3-11-83 ANALYSIS NO. 917

Analysis	Mg/l (ppm)	*Meq/l
1. PH	<u>7.2</u>	
2. H ₂ S (Qualitative)	<u>0.5 ppm</u>	
3. Specific Gravity	<u>1.0325</u>	
4. Dissolved Solids		
5. Suspended Solids		
6. Anaerobic Bacterial Count <u>Initiated Culture</u> C/MI		
7. Methyl Orange Alkalinity (CaCO ₃)	<u>540</u>	
8. Bicarbonate (HCO ₃)	HCO ₃ <u>659</u> ÷61 <u>11</u> HCO ₃	
9. Chlorides (Cl)	Cl <u>21,063</u> ÷35.5 <u>593</u> Cl	
10. Sulfates (SO ₄)	SO ₄ <u>2,700</u> ÷48 <u>56</u> SO ₄	
11. Calcium (Ca)	Ca <u>1,050</u> ÷20 <u>53</u> Ca	
12. Magnesium (Mg)	Mg <u>128</u> ÷12.2 <u>10</u> Mg	
13. Total Hardness (CaCO ₃)	<u>3,150</u>	
14. Total Iron (Fe)	<u>0.3</u>	
15. Barium (Qualitative)	<u>0</u>	
16. Phosphate Residuals	<u>8.8</u>	

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION

Compound	Equiv. Wt.	X	Meq/l	=	Mg/l
Ca (HCO ₃) ₂	81.04		<u>11</u>		<u>891</u>
Ca SO ₄	68.07		<u>42</u>		<u>2,859</u>
Ca Cl ₂	55.50				
Mg (HCO ₃) ₂	73.17				
Mg SO ₄	60.19		<u>10</u>		<u>602</u>
Mg Cl ₂	47.62				
Na HCO ₃	84.00				
Na ₂ SO ₄	71.03		<u>4</u>		<u>284</u>
Na Cl	58.46		<u>593</u>		<u>34,667</u>



Saturation Values	Distilled Water 20°C
Ca CO ₃	<u>13 Mg/l</u>
Ca SO ₄ · 2H ₂ O	<u>2,090 Mg/l</u>
Mg CO ₃	<u>103 Mg/l</u>

REMARKS _____

CHEMICAL & GEOLOGICAL LABORATORIES

P. O. Box 2794
Casper, Wyoming

WATER ANALYSIS REPORT

OPERATOR American Quasar Petroleum Co. DATE September 29, 1978 LAB NO. 28805-2
 WELL NO. UPRR 3-1 LOCATION _____
 FIELD Pineview FORMATION Twin Creek
 COUNTY Summit INTERVAL _____
 STATE Utah SAMPLE FROM Treater {9-14-78}

REMARKS & CONCLUSIONS: _____

Cations			Anions		
	mg/l	meq/l		mg/l	meq/l
Sodium	11750	511.11	Sulfate	1825	37.96
Potassium	498	12.75	Chloride	20600	580.92
Lithium			Carbonate	-	
Calcium	1545	77.10	Bicarbonate	476	7.81
Magnesium	313	25.73	Hydroxide		
Iron			Hydrogen sulfide		
Total Cations		626.69	Total Anions		626.69

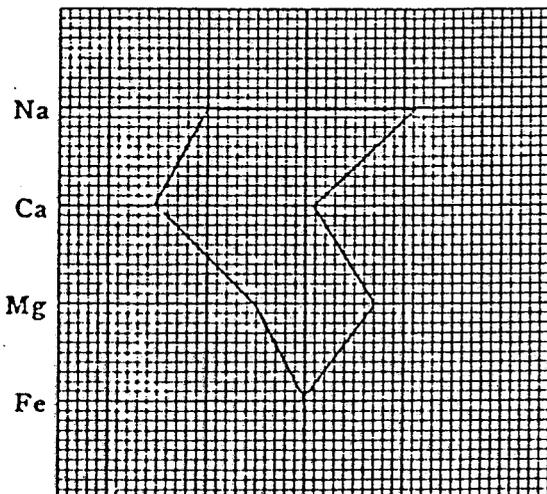
Total dissolved solids, mg/l	36765	Specific resistance @ 68°F.:	
NaCl equivalent, mg/l	35983	Observed	0.25 ohm-meters
Observed pH	7.2	Calculated	0.20 ohm-meters

WATER ANALYSIS PATTERN

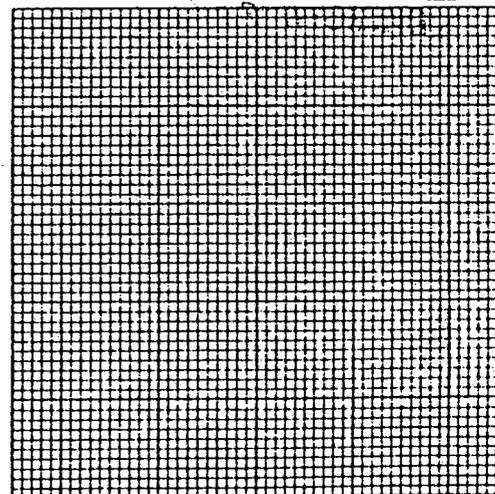
OCT - 3 1978

Sample above described

Scale
MEQ per Unit



Cl 50
HCO₃ 5
SO₄ 5
CO₃ 5



Cl
HCO₃
SO₄
CO₃

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

CHEMICAL & GEOLOGICAL LABORATORIES

P. O. Box 2794
Casper, Wyoming

file

WATER ANALYSIS REPORT

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

REMARKS & CONCLUSIONS: No other information given

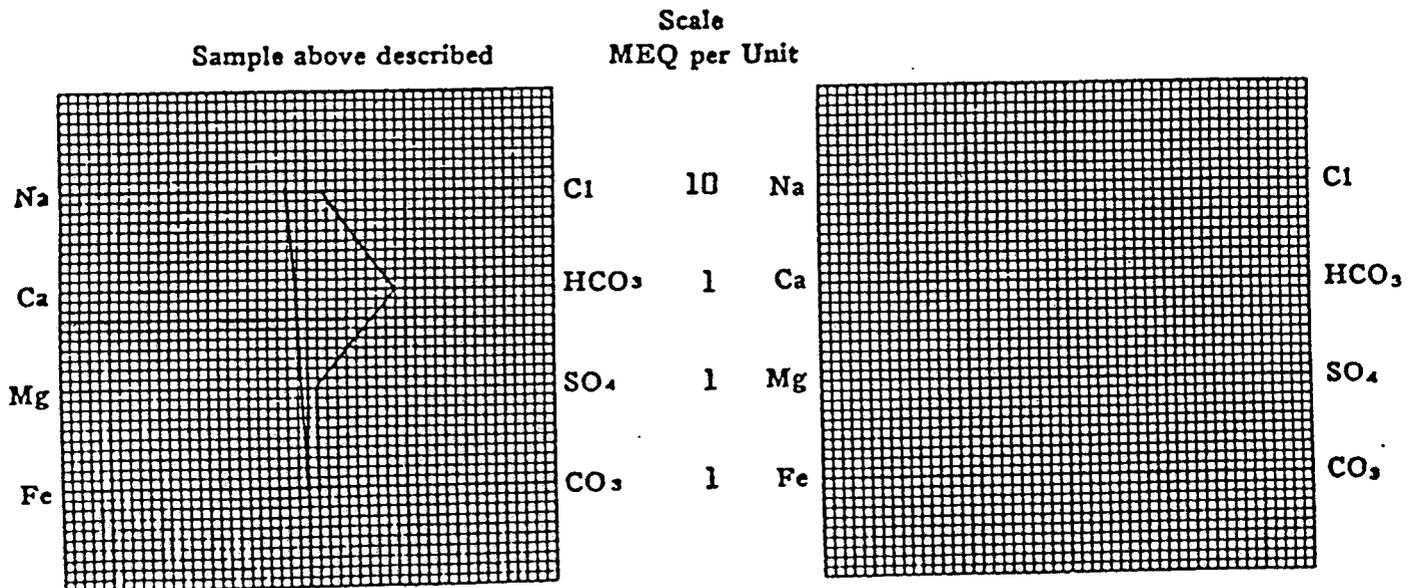
JUL 11 1979

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

Total dissolved solids, mg/l - - - - - 1502
 NaCl equivalent, mg/l - - - - - 1372
 Observed pH - - - - - 7.9

Specific resistance @ 68°F.:
 Observed - - - - - 4.25 ohm-meters
 Calculated - - - - - 4.35 ohm-meters

WATER ANALYSIS PATTERN



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

CHEMICAL & GEOLOGICAL LABORATORIES

P. O. Box 2794
Casper, Wyoming

WATER ANALYSIS REPORT

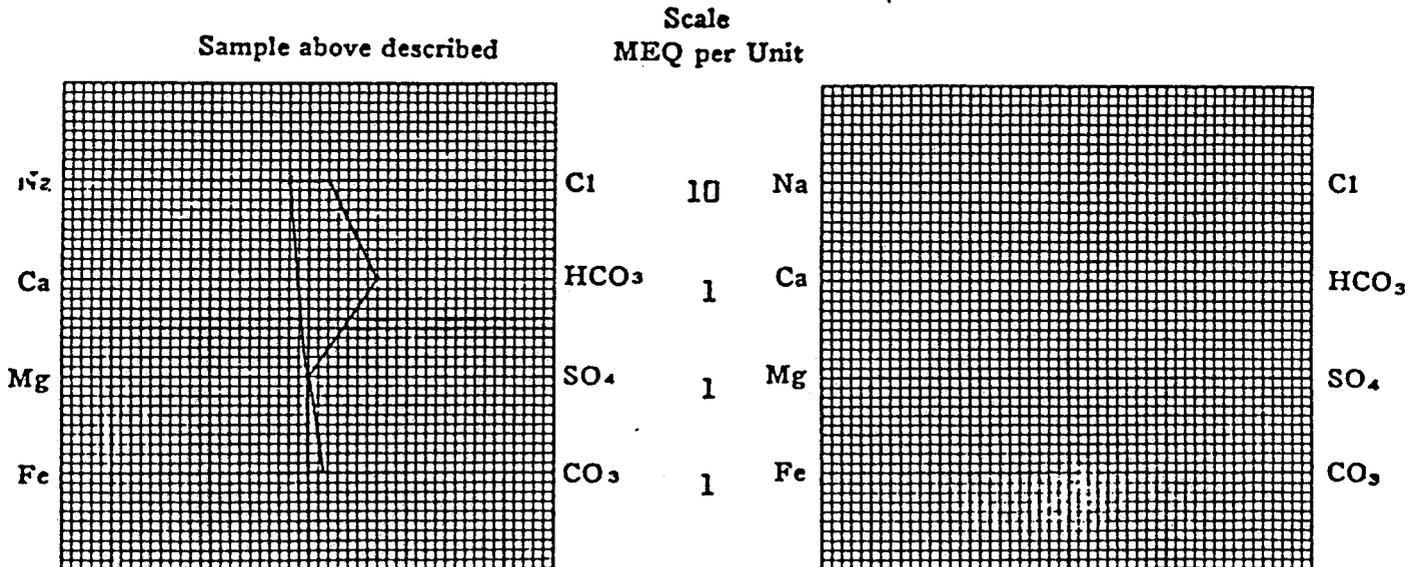
OPERATOR <u>American Quasar Petroleum Co.</u>	DATE <u>July 10, 1979</u>	LAB NO. <u>31327-3</u>
WELL NO. <u>UPRR 3-8S</u>	LOCATION _____	
FIELD _____	FORMATION <u>KELVIN</u>	
COUNTY _____	INTERVAL <u>3090-3197</u>	
STATE _____	SAMPLE FROM <u>DST No. 1 (Sampler)</u>	

REMARKS & CONCLUSIONS: No other information given.

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

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

WATER ANALYSIS PATTERN



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

CHEMICAL & GEOLOGICAL LABORATORIES

P. O. Box 2794
Casper, Wyoming

WATER ANALYSIS REPORT

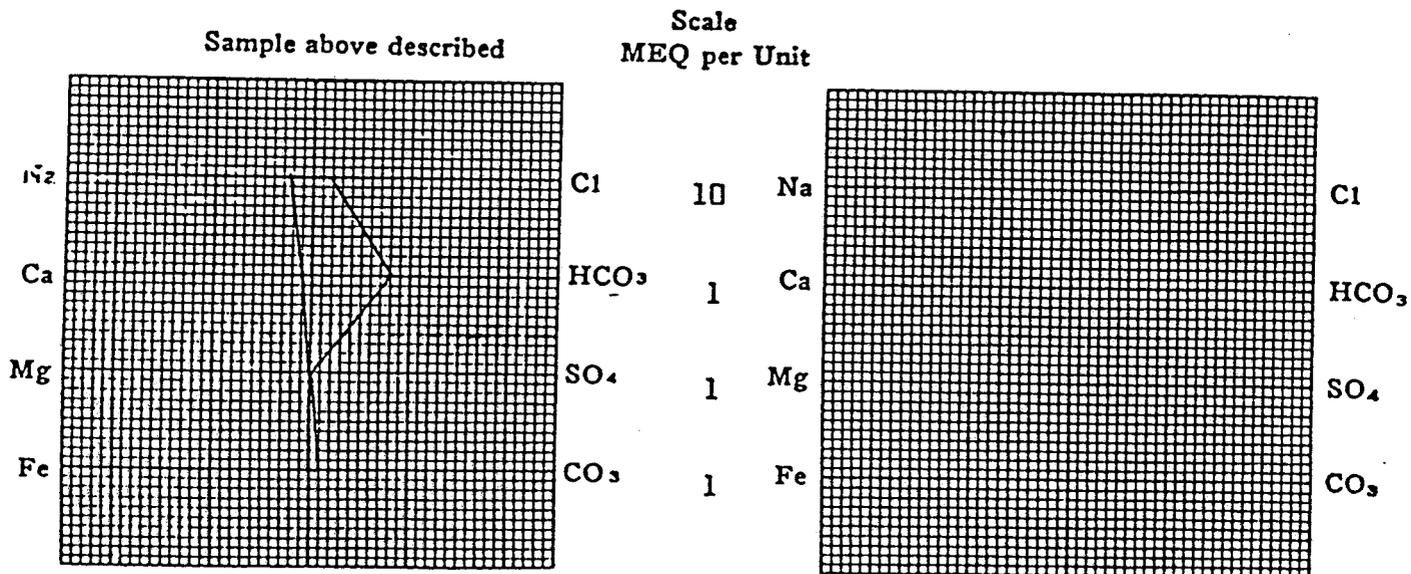
OPERATOR <u>American Quasar Petroleum Co.</u>	DATE <u>July 10, 1979</u>	LAB NO. <u>31327-2</u>
WELL NO. <u>UPRR 3-8S</u>	LOCATION _____	
FIELD _____	FORMATION <u>KELVIN</u>	
COUNTY _____	INTERVAL <u>3090-3197</u>	
STATE _____	SAMPLE FROM <u>DST No. 1 {Bottom}</u>	

REMARKS & CONCLUSIONS: No other information given.

Cations	mg/l	meq/l	Anions	mg/l	meq/l
Sodium - - - - -	590	25.67	Sulfate - - - - -	32	0.67
Potassium - - - - -	17	0.44	Chloride - - - - -	620	17.48
Lithium - - - - -	-	-	Carbonate - - - - -	36	1.20
Calcium - - - - -	15	0.75	Bicarbonate - - - - -	488	8.00
Magnesium - - - - -	6	0.49	Hydroxide - - - - -	-	-
Iron - - - - -	-	-	Hydrogen sulfide - - - - -	-	-
Total Cations - - - - -		27.35	Total Anions - - - - -		27.35

Total dissolved solids, mg/l - - - - -	1556	Specific resistance @ 68°F.:
NaCl equivalent, mg/l - - - - -	1446	Observed - - - - -
Observed pH - - - - -	8.3	4.00
		ohm-meters
		4.10
		ohm-meters

WATER ANALYSIS PATTERN



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

CHEMICAL & GEOLOGICAL LABORATORIES

P. O. Box 2794
Casper, Wyoming

WATER ANALYSIS REPORT

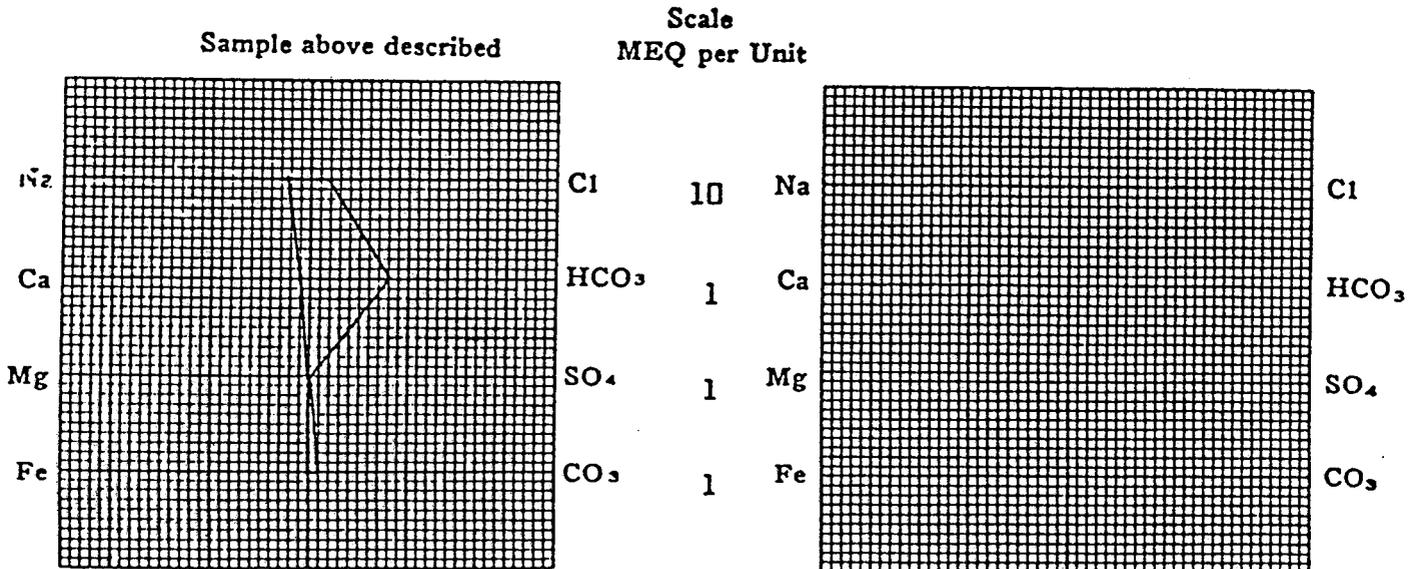
OPERATOR <u>American Quasar Petroleum Co.</u>	DATE <u>July 10, 1979</u>	LAB NO. <u>31327-2</u>
WELL NO. <u>UPRR 3-8S</u>	LOCATION _____	
FIELD _____	FORMATION <u>KELVIN</u>	
COUNTY _____	INTERVAL <u>3090-3197</u>	
STATE _____	SAMPLE FROM <u>DST No. 1 {Bottom}</u>	

REMARKS & CONCLUSIONS: No other information given.

Cations	mg/l	meq/l	Anions	mg/l	meq/l
Sodium - - - - -	590	25.67	Sulfate - - - - -	32	0.67
Potassium - - - - -	17	0.44	Chloride - - - - -	620	17.48
Lithium - - - - -	-	-	Carbonate - - - - -	36	1.20
Calcium - - - - -	15	0.75	Bicarbonate - - - - -	488	8.00
Magnesium - - - - -	6	0.49	Hydroxide - - - - -	-	-
Iron - - - - -	-	-	Hydrogen sulfide - - - - -	-	-
Total Cations - - - - -	27.35		Total Anions - - - - -	27.35	

Total dissolved solids, mg/l - - - - -	1556	Specific resistance @ 68°F.:
NaCl equivalent, mg/l - - - - -	1446	Observed - - - - -
Observed pH - - - - -	8.3	4.00
		ohm-meters
		Calculated - - - - -
		4.10
		ohm-meters

WATER ANALYSIS PATTERN



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

VISCO WATER ANALYSIS WORK SHEET

COMPANY AMERICAN QUATZ LOCATION Pine view Date 3/21/79
 TIME 11:00 AM LEASE NEWTON STREET #1 WATER SOURCE TREATOR

TOTAL DISSOLVED SOLIDS:

CATIONS	Column 1 mg/l as compound	Column 2 mg/l as ions	Column 3 meq/l
A. Sodium		<u>3911.75</u> as Na ⁺ = 23.0 X	<u>170.07</u> A.
B. Total hardness, as CaCO ₃ =	<u>2220</u>		
C. Calcium, as CaCO ₃ =	<u>110</u> X 0.400 =	<u>44</u> as Ca ⁺⁺ X 0.050 =	<u>2.2</u> C.
D. Magnesium, as CaCO ₃ =	<u>2110</u> X 0.243 =	<u>512.73</u> as Mg ⁺⁺ X 0.0823 =	<u>42.19</u> D.
E. Barium, as BaSO ₄ =	<u>9</u> X 0.589 =	<u>5.30</u> as Ba ⁺⁺ X 0.0146 =	<u>.07</u> E.
F. Total Cations =		<u>4473.78</u>	<u>214.54</u> F.
Subtotal			
<u>44.47</u>			
<u>214.54</u> F.			
ANIONS			
G. Chloride, as NaCl =	<u>11200</u> X 0.607 =	<u>6798.4</u> as Cl ⁻ X 0.0282 =	<u>191.71</u> G.
H. Sulfate, as Na ₂ SO ₄ =	<u>710</u> X 0.676 =	<u>520.52</u> as SO ₄ ⁼ X 0.0208 =	<u>10.82</u> H.
I. Carbonate, as CaCO ₃ =	<u>0</u> X 0.600 =	<u>0</u> as CO ₃ ⁼ X 0.0333 =	<u>0</u> I.
J. Bicarbonate, as CaCO ₃ =	<u>600</u> X 1.220 =	<u>732</u> as HCO ₃ ⁼ X 0.0164 =	<u>12.00</u> J.
K. Total Anions =		<u>8030.92</u>	<u>214.54</u> K.
L. Total Dissolved Solids		<u>12524.7</u>	<u>1.8</u> L.
M. Total Iron, as Fe	<u>1.8</u>		
N. Acidity to Phen., as CaCO ₃ =	<u>not Run</u> X 0.440 =		as CO ₂

OTHER PROPERTIES:

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

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

DISTRICT/AREA: 15 / Evansville, IN ANALYST: Scott Clavin

DIRECTIONS:

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

CHEMICAL & GEOLOGICAL LABORATORIES

P. O. Box 2794
Casper, Wyoming

WATER ANALYSIS REPORT

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

REMARKS & CONCLUSIONS:

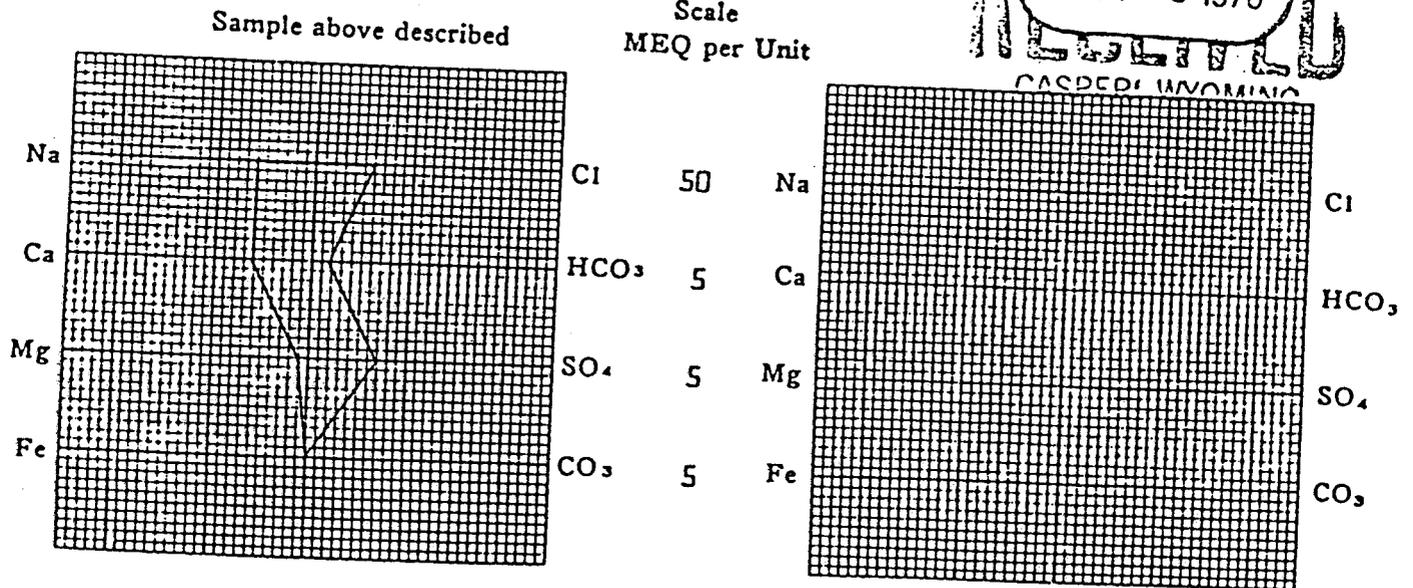
Cations			Anions		
	mg/l	meq/l		mg/l	meq/l
Sodium	7740	336.71	Sulfate	1850	38.48
Potassium	465	11.90	Chloride	12100	341.22
Lithium	-	-	Carbonate	-	-
Calcium	690	34.43	Bicarbonate	610	10.00
Magnesium	81	6.66	Hydroxide	-	-
Iron	-	-	Hydrogen sulfide	-	-
Total Cations		389.70	Total Anions		389.70

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

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

WATER ANALYSIS PATTERN

OCT - 3 1978
CASPER, WYOMING



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

CHEMICAL & GEOLOGICAL LABORATORIES

P. O. Box 2794
Casper, Wyoming

WATER ANALYSIS REPORT

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

REMARKS & CONCLUSIONS:

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

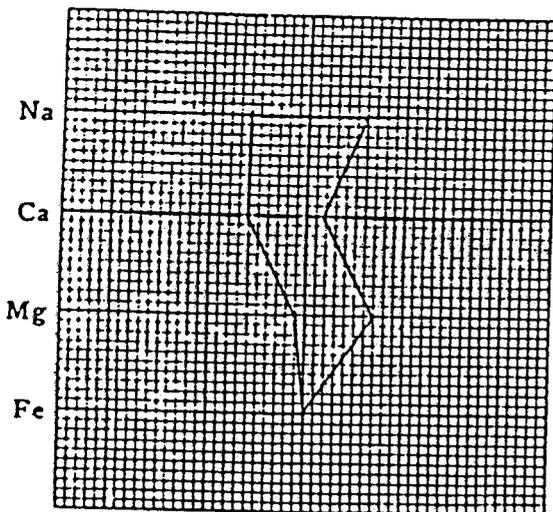
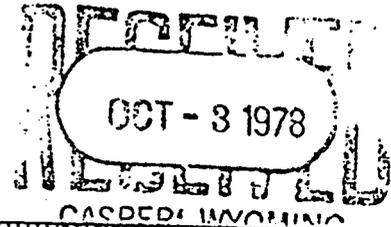
Total dissolved solids, mg/l 23226
 NaCl equivalent, mg/l 22212
 Observed pH 7.2

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

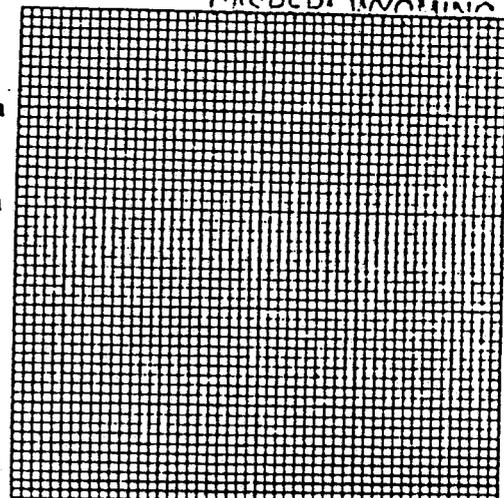
WATER ANALYSIS PATTERN

Sample above described

Scale
MEQ per Unit



Cl 50
HCO₃ 5
SO₄ 5
CO₃ 5



Na
Ca
Mg
Fe
Cl
HCO₃
SO₄
CO₃

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

CHEMICAL & GEOLOGICAL LABORATORIES

P. O. Box 2794
Casper, Wyoming

WATER ANALYSIS REPORT

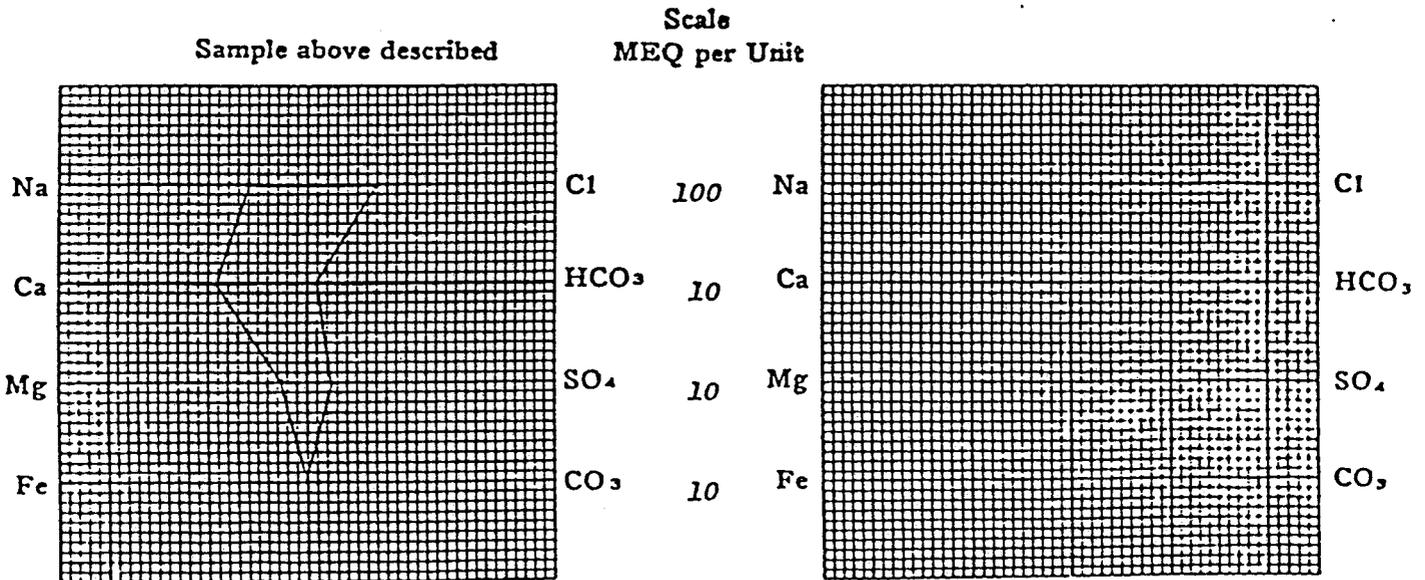
OPERATOR American Quasar Petroleum Co. DATE August 30, 1978 LAB NO. 2846R-5
 WELL NO. 3-3 LOCATION _____
 FIELD Pineview FORMATION Nugget
 COUNTY Summit INTERVAL _____
 STATE Utah SAMPLE FROM Production (8-10-78)

REMARKS & CONCLUSIONS: _____

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

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

WATER ANALYSIS PATTERN



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

CHEMICAL & GEOLOGICAL LABORATORIES

P. O. Box 2794
Casper, Wyoming

WATER ANALYSIS REPORT

OPERATOR American Quasar Petroleum Co DATE June 30 1977 LAB NO. 24049-1
 WELL NO. UPRR 3-1 LOCATION NW NW 3-2N-7E
 FIELD Pineview FORMATION Twin Creek
 COUNTY Summit INTERVAL 9851-60
 STATE Utah SAMPLE FROM Swab samples (6/17/77)

CASPER, WYOMING

REMARKS & CONCLUSIONS:

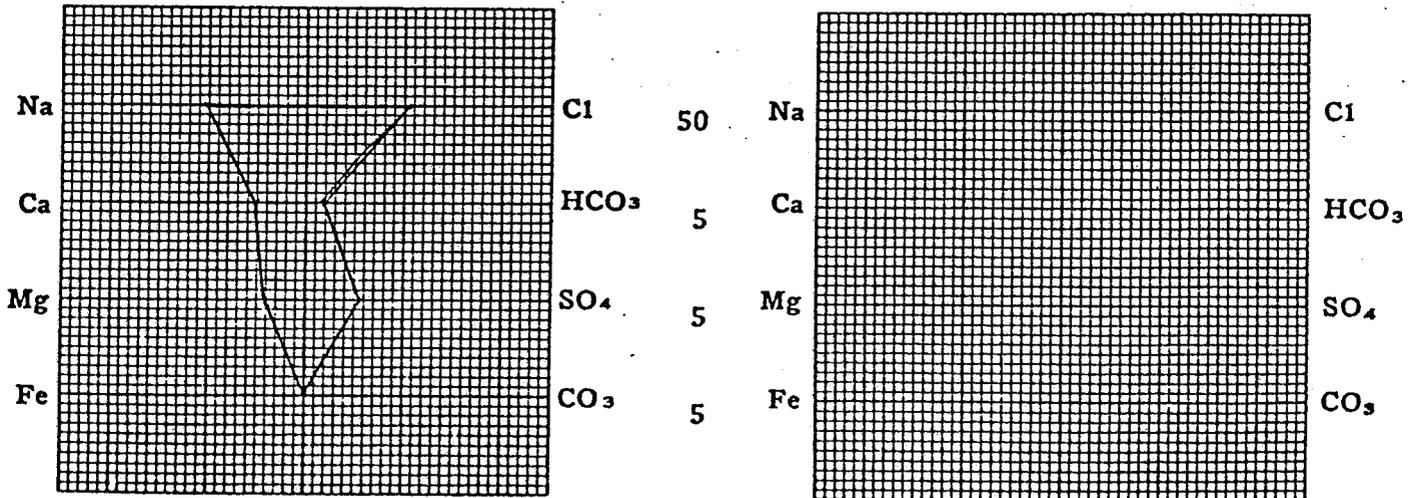
[REDACTED]
 JUL - 4 1977
[REDACTED]

Cations			Anions		
	mg/l	meq/l		mg/l	meq/l
Sodium	11076	481.79	Sulfate	1350	28.08
Potassium	394	10.09	Chloride	18700	527.34
Lithium			Carbonate	-	
Calcium	1027	51.25	Bicarbonate	659	10.81
Magnesium	281	23.10	Hydroxide		
Iron			Hydrogen sulfide		
Total Cations		566.23	Total Anions		566.23

Total dissolved solids, mg/l 33153 Specific resistance @ 68°F.:
 NaCl equivalent, mg/l 32561 Observed 0.22 ohm-meters
 Observed pH 7.3 Calculated 0.21 ohm-meters

WATER ANALYSIS PATTERN

Scale
Sample above described MEQ per Unit



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

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

CERTIFICATE OF ANALYSIS
Water Analysis Report

Date: March 22, 1983

Company: American Quasar

Laboratory Number: 830667

Sample Description: Clark Drinking Water

Sample Date: March 10, 1983

Submitted by: Paul Smith

Component	mg/l (ppm)	Meq/l
Calcium (Ca+2)	60	4.4
Magnesium (Mg+2)	19	1.6
Sodium (Na+)		
Bicarbonate (HCO3-)	194	3.2
Carbonate (CO3-2)	0	0
Chloride (Cl-)	41	1.2
Sulfate (SO4-2)	8	.1

Total Alkalinity (as Calcium Carbonate): 318 mg/l

Total Hardness (as Calcium Carbonate): 300 mg/l

pH: 7.73

Resistivity (Ohm-cm): 15.01

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

CERTIFICATE OF ANALYSIS
Water Analysis Report

Date: March 22, 1983

Company: American Quasar

Laboratory Number: 830068

Sample Description: Jones Drinking Water

Sample Date: March 10, 1983

Submitted by: Paul Smith

Component	Mg/l (ppm)	Meq/l
Calcium (Ca+2)	80	4.0
Magnesium (Mg+2)	26	2.2
Sodium (Na+)		
Bicarbonate (HCO3-)	146	2.4
Carbonate (CO3-2)	30	0.5
Chloride (Cl-)	45	1.3
Sulfate (SO4-2)	20	.2

Total Alkalinity (as Calcium Carbonate): 292 mg/l

Total Hardness (as Calcium Carbonate): 310 mg/l

pH: 8.36

Resistivity (Ohm-m): 14.99

PLEASE TYPE OR USE BLACK INK ONLY

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

FEE _____

COUNTY LEASE NO. _____

DEPARTMENT OF NATURAL RESOURCES AND ENERGY

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

API NO. 43-043-30035

640 Acres
N

COUNTY Summit SEC. 3 TWP. 2N RGE. 7E
COMPANY OPERATING American Quasar Petroleum
OFFICE ADDRESS 1700 Broadway #707
TOWN Denver STATE ZIP Colorado 80290
FARM NAME _____ WELL NO. UPRR 3-5
DRILLING STARTED 4/14 19 77 DRILLING FINISHED 6/27 19 77
DATE OF FIRST PRODUCTION 8/14/77 COMPLETED 8/18/77
WELL LOCATED ¼ SE ¼ SW ¼
673 FT. FROM SL OF ¼ SEC. & 1969 FT. FROM WL OF ¼ SEC.
ELEVATION DERRICK FLOOR 6781 GROUND 6764

S
Locate Well Correctly
and Outline Lease

TYPE COMPLETION

Single Zone _____
Multiple Zone XX
Cemented _____

LOCATION EXCEPTION

OIL OR GAS ZONES

Name	From	To	Name	From	To
Twin Creek	9248	9526	9170-9002		
Nugget	9675	9767	9620-9650,	9712	9729
			9900-9917,	9850	9866

CASING & CEMENT

Casing Set				Csg. Test	Cement		
Size	Wgt.	Grade	Feet	Psi	Sax	Fillup	Top
13 3/8"	54.5	Cond.	45				Surface
9 5/8"	36	K-55	1470		850		Surface
7"	23&26	N80 S-95	10330	3000	600		7550'

TOTAL DEPTH 10330

PACKERS SET
DEPTH _____

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

COMPLETION & TEST DATA BY PRODUCING FORMATION

1

2

3

FORMATION	Twin Creek	Nugget	Nugget
SPACING & SPACING ORDER NO.			
CLASSIFICATION (DISPOSAL WELL, ENHANCED RECOVERY, LP GAS STORAGE)			
PERFORATED	9248-9526	9675-9767	
INTERVALS	9170-9002	9620-9650	
		9670-9690	
		9712-9729	
		9900-9917	
		9850-9866	
ACIDIZED?	20,000 gals 15% HCl	2500 gals 15% HCl	5000 gals 15% HCl
	5000 gals 15% HCl	6000 gals 15% HCl	1500 gals 15% HCl
FRACTURE TREATED?		9620-9650 29000# Versage1	

INITIAL TEST DATA

	8/18/77	8/18/77	
Date	8/18/77	8/18/77	
Oil, bbl./day	85	612	
Oil Gravity	43°	43°	
Gas, Cu. Ft./day	93.5 M CF	610 M CF	CF
Gas-Oil Ratio Cu. Ft./Bbl.	1100	997	
Water-Bbl./day	0	0	
Pumping or Flowing	F	F	
CHOKE SIZE	14/64"	14/64"	
FLOW TUBING PRESSURE	175	990	

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

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

Telephone 303/861-8437

John D. Dolan

Name and title of representative of company
John D. Dolan Division Production Manager

Subscribed and sworn before me this 12th day of April, 19 87

Wasatch	Surface
Kelvin	2675
Stump	5780
Preuss	6318
Salt	8243-58
Twin Creek	8330
Leads	8713
Watton Canyon	9002
Boundry Ridge	9202
Rich	9245
Sliderock	9472
Gypsum Springs	9572
Nugget	9620

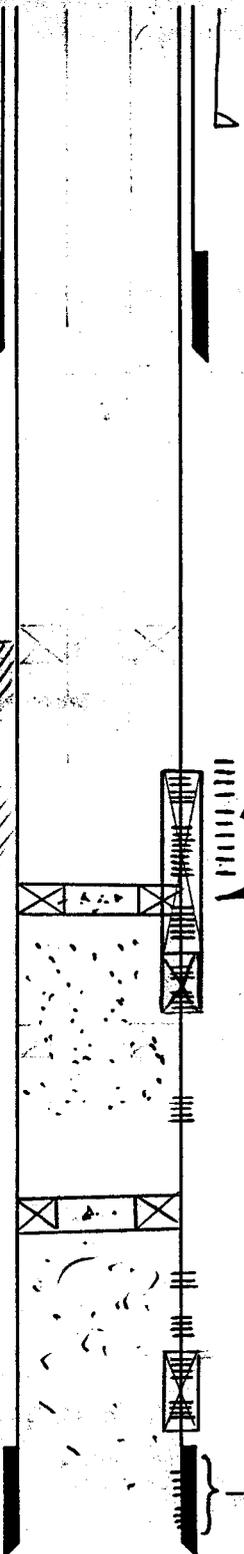
BAKER OIL TOOLS, INC.

SERVING THE WORLD

DATE 3/27/89 WELL NO. 3-5 LEASE UPRR FIELD PINEVIEW

LOCATION	673 FSL; 1969 FWL (SE SW) SEC. 3 2N 7E				
13 3/8" @ 45'	KB 6781' GL 6764'				
9 5/8" @ 1470'	36 jts 36" "K" Rqc 3 8-rd STC w/ 850 sx				
<u>EXISTING WELLBORE</u>					
<u>TWIN CREEK</u>					
9002-72	} WATTON CANYON	REPERFORATED WATTON CANYON 9170, 65, 60, 55, 50, 45, 40, 35, 30 25, 20, 9097, 85, 57, 52, 42, 37, 32, 22, 17, 12, 07, 02			
9120-70					
CICR @ 9220' - SQZ'd w/ 100 sx. G.					
9248-58, 9266-71, 9280-95	} RICH				
9310-20, 9335-50, 9378-98					
9476-9506'	9516-9526'	SQZ'D, SLIDE ROCK			
<u>NUGGET</u>					
9620-50					
CICR @ 9635'					
9675-90	} REPERFORATED	9670-9690			
9712-27		9712-9727			
SQZ'D w/ 150 SX					
9738-48					
9752-67					
7" @ 10,330 w/ 600 sx		7" CASING			
		NT	GRADE	FROM	TO
		23	N-80	SURF	5810
9850-66'		23	S-95	5810	7325
9900-9917'		24	S-95	7325	10,329

Cnt top
7550
8240
SALT
8260



TD 10,430



4/2/84

LN RR 3-5

LOCATION: 673' FSL 1969' (SE SW) SEC 3 T2N R7E
SUMMIT COUNTY, UT

ELEVATIONS: 6781' KB 6764' GR

SPUD: 4/14/77 TRUE RIG #14

TD: 10,330 6/25/77

9 5/8" 36 # K-55 STC CSA 1470' w/ 850 SX

SQZ PERFS 5750-52' (4 SPF) 3/4" 300 SX

2 7/8" INJECTION TUBING

INJECTION PACKER AT 5760

STUMP TOP 5780'

5780-90' } 45PF
5800-10' }

5840-60'

5875-5915'

5930-6000'

6010-30'

6090-6120'

6172-92'

6290-6305'

SQZ PERFS 6360-62' (45PF)
200 SX SQZ

CICR @ 8300' 1/2" SQ w/ 200 SX

TWIN CREEK PERFS (CURRENT)

9002; 07; 12; 17; 22; 32; 37; 42; 52; 57; 85; 9097'

9120; 25; 30; 35; 40; 45; 50; 55; 60; 65; 9170'

CICR @ 9220'

SEE EXISTING WELL BORE SKETCH FOR DETAILS

7" 23 & 26 # N-80 & S-95 CSA 10,330' w/ 660 SX

TD 10,430'

PROPOSED WELL BORE

42-381 50 SHEETS 5 SQUARE
42-382 100 SHEETS 5 SQUARE
42-389 200 SHEETS 5 SQUARE

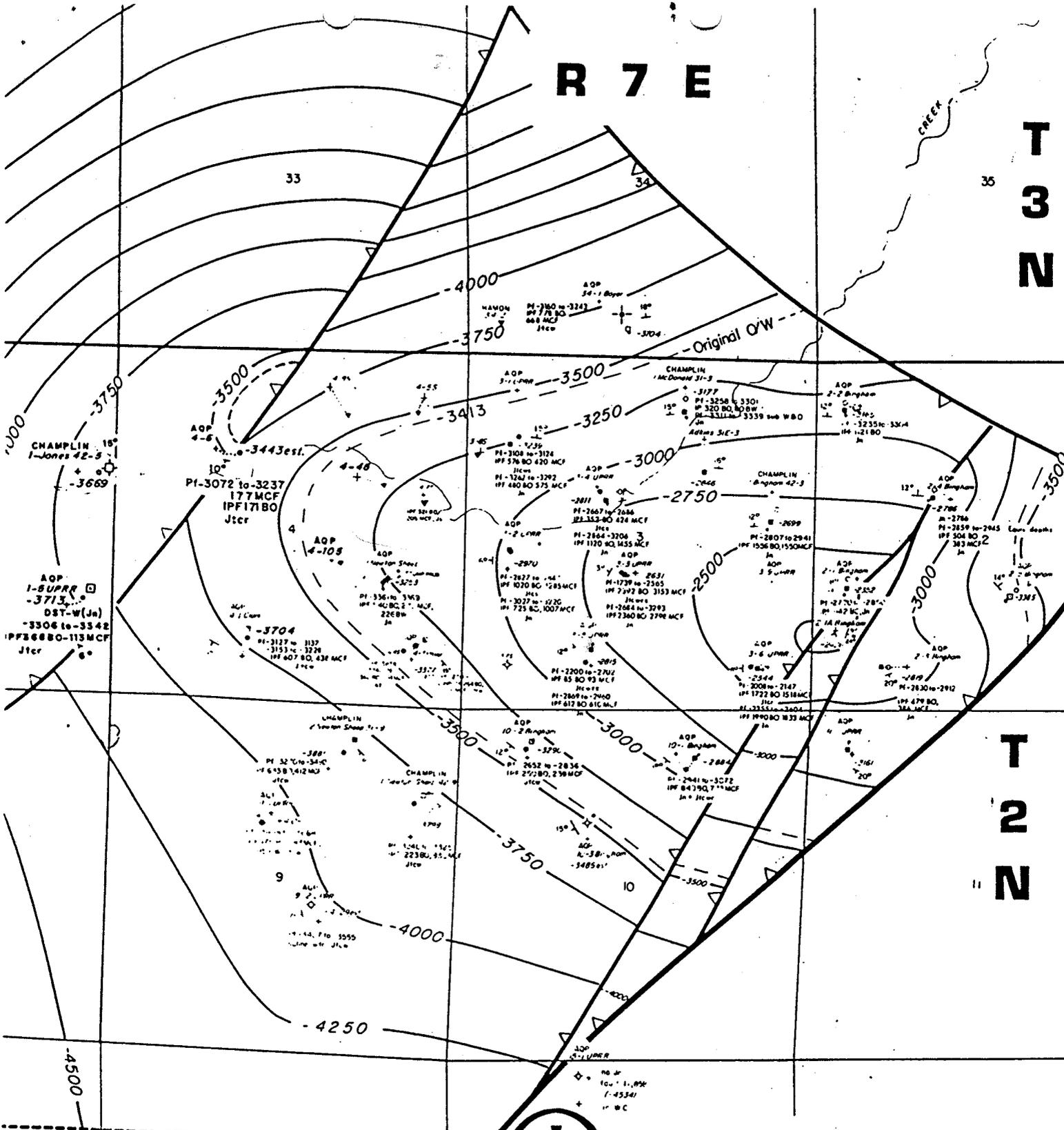


NATIONAL

R 7 E

T 3 N

T 2 N



AMERICAN QUASAR PETROLEUM CO. OF NEW MEXICO
 707 United Bank Building 1700 Broadway Denver Colorado 80202 Phone 302.621.0437

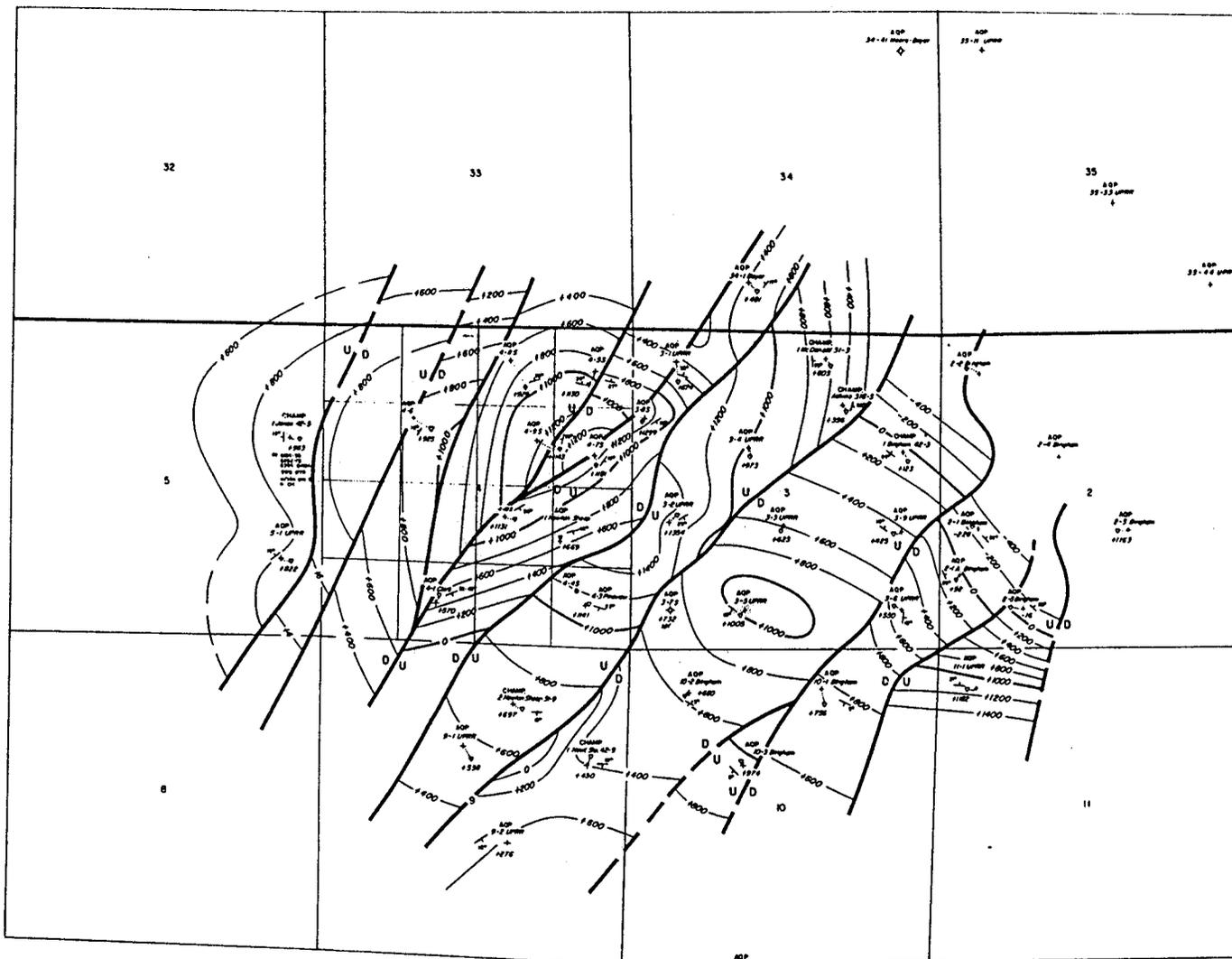
PINEVIEW AREA
 SUMMIT COUNTY, UTAH
 STRUCTURE CONTOUR MAP

ON NUGGET FORMATION
 C.I. : 250'

SCALE 1" = 2,000'

DESIGNED BY	T. R. BLAZZARD	CHECKED BY	D. W.	DATE	9-13-83
-------------	----------------	------------	-------	------	---------

R 7 E



WELL SYMBOLS

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

STUMP PRODUCTION DATA

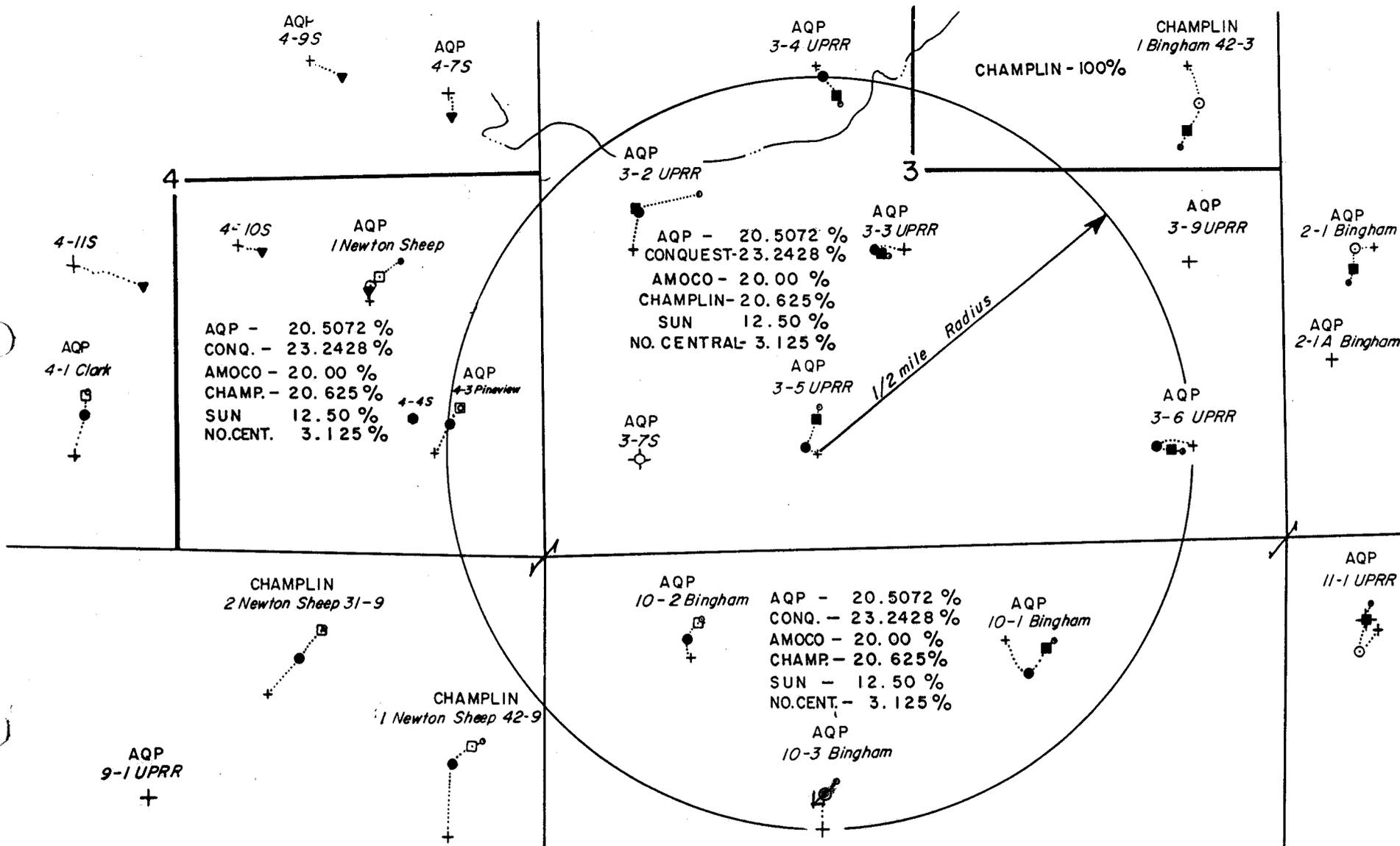
1-North Stump Perf 1258 to 1543 IPF 1166 BO, 702 MCF, 88WPD
3-8S Perf 4700 to 4853 IPF 1338 BO, 144MCFD
4-9S Perf 5991-5990, 6005-6005 IPF 337 BO, 276 MCFD
4-7S Perf 4812 to 4582 IPF 321 BO, 205 MCFD
4-8S Perf 5970-54, 6005-14, 6040-54 IPF 624 BO, 350 MCFD
4-9S Perf 5470-6146 Grass IPF 648 BO, 502 MCFD



AMERICAN QUASAR PETROLEUM CO. OF NEW MEXICO
2211 1/2 Street East, Santa Fe, New Mexico, 87505 Phone 325-2111

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

DATE	BY	REVISED	SCALE	DATE
1-30-60	T. BLAZZARD		D.M.	7-17-62



AMERICAN QUASAR-PINEVIEW FIELD

PROPOSED WATER INJECTION WELL

3-5-U.P.R.R.

SE-SW- Sec. 3 - T2N-R7E

SUMMIT COUNTY, UTAH

10

SCALE : 1" = 1000'

3-28-84



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dianne R. Nielson, Ph.D., Division Director

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

April 30, 1984

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

ATTN: John D. Dolan

RE: Injection Well Application
UPRR 3-5
Sec. 3, T2N, R7E
Summit County, Utah

Gentlemen:

Please provide the following in response to your application for conversion of the above referenced well to a water disposal injection well.

- Geology of the confining beds including vertical extent of faults shown in the Stump formation.
- Results of any tests performed to determine if vertical migration of fluids is occurring behind the casing in producing wells within 1/2 mile of Stump disposal wells, Board Order, Cause No. 160-14 dated June 26, 1979.

If you have any questions, please call.

Truly yours,

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

Gilbert L. Hunt
UIC Geologist

CHECKLIST FOR INJECTION WELL APPLICATION

UIC Forms

✓

Plat

✓

Surface Owners and Lease Holders

Schematic Diagram

✓

Frac Gradient Information

✓

Pressure and Rate Control

✓

Fluid Source

✓

Analysis of Injected Fluid

✓

Geologic Information

contingency plans?

USDW in the Area

✓ *ck logs*

Analysis of Injected Formation

?

Contingency Plans

✓

Mechanical Integrity Test

Case No. 160-14

Aquifer Exemption

UIC-036 sent to:

Park Record
Newspaper Agency

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

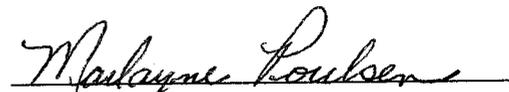
Utah Dept. of Health
Water Pollution Control
ATTN: Jerry Riding
150 W.N. Temple
Salt Lake City, Utah

U.S. environmental Protection Agency
1860 Lincoln street
ATTN: Mike Strieby
Denver, Colorado 80295

Minerals Management (BLM)
2000 Administration Bldg.
1745 West 1700 South
Salt Lake City, Utah

Champlin Petroleum Co.
PO Box 1257
Englewood, CO 80150

B.A. Bingham
Honeywell, Ut 84314


May 16, 1984

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

---oo0oo---

IN THE MATTER OF THE APPLICATION : CAUSE NO. UIC-036
OF AMERICAN QUASAR PETROLEUM :
COMPANY, FOR ADMINISTRATIVE :
APPROVAL TO INJECT WATER INTO :
WELL NO. UPRR 3-5, SECTION 3, :
TOWNSHIP 2 NORTH, RANGE 7 EAST, :
SUMMIT COUNTY, UTAH :

---oo0oo---

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

Notice is hereby given that American Quasar Petroleum Company, 707
United Bank Tower, Denver, Colorado, 80290, has requested
administrative approval from the Division to convert the No. UPRR 3-5
well located in the SE1/4 SW1/4, Section 3, Township 2 North, Range 7
East, Summit County, Utah to a water injection well as follows:

INJECTION INTERVAL: Stump Formation 5780' - 6305'
MAXIMUM INJECTION PRESSURE: 2500 psi
ESTIMATED WORKING PRESSURE: 2500 psi
MAXIMUM INJECTION RATE: 10,000 BWPD

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

DATED this 16th day of May, 1984.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

Marjorie L. Larson
MARJORIE L. LARSON
Administrative Assistant

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

IN THE MATTER OF THE APPLI-)
CATION OF AMERICAN QUASAR)
PETROLEUM CO. OF NEW MEXICO)
FOR AN ORDER TO CONVERT TWO)
WELLS IN THE PINEVIEW FIELD)
FOR SALT WATER DISPOSAL,)
INVOLVING LANDS IN SUMMIT/)
COUNTY, UTAH.)

CAUSE NO. 160-14

ORDER

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

Charles R. Henderson, Chairman (presiding)
Edward T. Beck
Thadis Box
John L. Bell
E. Steele McIntyre
C. Ray Juvelin

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

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

FINDINGS

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

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

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

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

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

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

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

IT IS, THEREFORE, ORDERED:

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

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

(a) Injection pressures may not exceed 2500 psi.

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

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

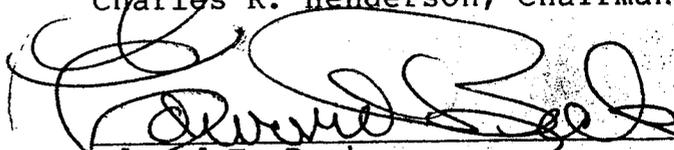
3. If deviations from applicant's program are required, staff approval shall first be sought and obtained.

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

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

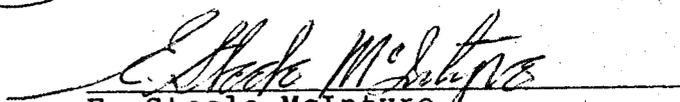
DATED this 26th day of June, 1979.


Charles R. Henderson, Chairman


Edward T. Beck

Thadis Box


John L. Bell


E. Steele McIntyre


C. Ray Javelin



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

May 16, 1984

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

RE: Cause No. UCI-036

Gentlemen:

Attached hereto is a Notice of Application for 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 23rd day of May. In the event that said notice cannot be published by this date, please notify this office immediately by calling 533-5771.

Upon completion of this request, please send proof of publication and statement of cost to the Division of Oil, Gas and Mining, 4241 State Office Building, Salt Lake City, Utah 84114.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

MARJORIE L. LARSON
Administrative Assistant



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dr. G. A. (Jim) Shirazi, Division Director

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

May 16, 1984

Park Record
Legal Advertizing
Park City, Utah 84060

RE: Cause No. UIC-036

Gentlemen:

Attached hereto is a Notice of Application for 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 23rd day of May. In the event that said notice cannot be published by this date, please notify this office immediately by calling 533-5771.

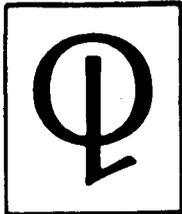
Upon completion of this request, please send proof of publication and statement of cost to the Division of Oil, Gas and Mining, 4241 State Office Building, Salt Lake City, Utah 84114.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

Marjorie Larson
for

MARJORIE L. LARSON
Administrative Assistant



AMERICAN QUASAR PETROLEUM CO. OF NEW MEXICO

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

May 14, 1984

RECEIVED

MAY 16 1984

**DIVISION OF OIL
GAS & MINING**

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

Attention: Mr. Gilbert L. Hunt

Subject: Application for Class II Injection Well
UPRR 3-5, Pineview Field, Summit County, Utah

Gentlemen:

In response to your questions concerning the geology of the vertical faults in the Stump and vertical migration of fluids occurring behind casing in offset producing wells, as requested in your letter dated April 30, 1984, the following information is provided:

The vertical faults shown on the Stump structure map are traceable from well logs in the Stump and Preuss formation. Most important, the well log evidence indicates these faults do not penetrate through the overlying Kelvin formation and into the Echo formation. No contamination of the Echo Canyon aquifer is anticipated, based on the log interpretation and structural evidence.

The testing for vertical migration in offset producers, as specified in Board Order Cause No. 160-14, has not been performed. Our production records do not indicate that lateral migration from Stump injection has affected offsetting Stump oil and gas production. Subsequent to conversion of the Boyer 34-1 (SW $\frac{1}{4}$ Sec. 34, T3N-R7E) during 1979, the Hamon 34-1 (SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 34, T3N-R7E) was drilled and completed in the Stump. The initial potential was approximately 100 BOPD, and cumulative recovery is over 23,000 BO. American Quasar recompleted the UPRR 3-1 (NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 3, T2N-R7E) for an initial potential of 89 BOPD during 1983. Cumulative recovery from the Stump in the UPRR 3-1 is over 16,000 BO to date.

Affidavit of Publication

STATE OF UTAH,
County of Salt Lake

SS.

BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH CAUSE NO. UIC-036

IN THE MATTER OF THE APPLICATION OF AMERICAN QUASAR PETROLEUM COMPANY, FOR ADMINISTRATIVE APPROVAL TO INJECT WATER INTO WELL NO. UPRR 3-5, SECTION 3, TOWNSHIP 2 NORTH, RANGE 7 EAST, SUMMIT COUNTY, UTAH

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

Notice is hereby given that American Quasar Petroleum Company, 707 United Bank Tower, Denver, Colorado, 80290, has requested administrative approval from the Division to convert the No. UPRR 3-5 well located in the SE1/4 SW1/4, Section 3, Township 2 North, Range 7 East, Summit County, Utah to a water injection well as follows:

INJECTION INTERVAL:
Stump Formation 5780'-6305'

MAXIMUM INJECTION PRESSURE:
2500 psi

ESTIMATED WORKING PRESSURE:
2500 psi

MAXIMUM INJECTION RATE:
10,000 BWPD

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

DATED this 16th day of May, 1984.

STATE OF UTAH
DIVISION OF OIL,
GAS AND MINING
MARJORIE L. LARSON
Administrative Assist.

C-61

..... Cheryl Gierloff

Being first duly sworn, deposes and says that he/she is legal advertising clerk of THE SALT LAKE TRIBUNE, a daily newspaper printed in the English language with general circulation in Utah, and published in Salt Lake City, Salt Lake County, in the State of Utah, and of the DESERET NEWS, a daily newspaper printed in the English language with general circulation in Utah, and published in Salt Lake City, Salt Lake County, in the State of Utah.

That the legal notice of which a copy is attached hereto

..... Before the division of Oil, Gas and Mining

..... Dept. of Natural Resources State of Utah Cause

..... No. UIC-036

..... was published in said newspaper on

..... May 24, 1984

Cheryl Gierloff
.....
Legal Advertising Clerk

Subscribed and sworn to before me this 8th day of

..... June A.D. 19 84

B. J. Smith
.....

Notary Public

My Commission Expires

..... March 1, 1988

RECEIVED

JUN 15 1984

DIVISION OF OIL
GAS & MINING



Affidavit of Publication

ADM-35B

STATE OF UTAH,
County of Salt Lake

SS.

Cheryl Gierloff

BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH CAUSE NO. UIC-036

IN THE MATTER OF THE APPLICATION OF AMERICAN QUASAR PETROLEUM COMPANY, FOR ADMINISTRATIVE APPROVAL TO INJECT WATER INTO WELL NO. UPRR 3-5, SECTION 3, TOWNSHIP 2 NORTH, RANGE 7 EAST, SUMMIT COUNTY, UTAH

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

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INJECTION INTERVAL: Stump Formation 5780'-6305'

MAXIMUM INJECTION PRESSURE: 2500 psi

ESTIMATED WORKING PRESSURE: 2500 psi

MAXIMUM INJECTION RATE: 10,000 BWPD

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

DATED this 16th day of May, 1984.

STATE OF UTAH
DIVISION OF OIL,
GAS AND MINING
MARJORIE L. LARSON
Administrative Assist.

C-61

Being first duly sworn, deposes and says that he/she is legal advertising clerk of THE SALT LAKE TRIBUNE, a daily newspaper printed in the English language with general circulation in Utah, and published in Salt Lake City, Salt Lake County, in the State of Utah, and of the DESERET NEWS, a daily newspaper printed in the English language with general circulation in Utah, and published in Salt Lake City, Salt Lake County, in the State of Utah.

That the legal notice of which a copy is attached hereto

Before the division of Oil, Gas and Mining

Dept. of Natural Resources State of Utah Cause

No. UIC-036

was published in said newspaper on

May 24, 1984

Cheryl Gierloff
Legal Advertising Clerk

Subscribed and sworn to before me this 8th day of

June A.D. 19 84

[Signature]

Notary Public

My Commission Expires

March 1, 1988

RECEIVED

JUN 15 1984

DIVISION OF OIL
GAS & MINING

PROOF OF PUBLICATION

RECEIVED

MAY 25 1984

DIVISION OF OIL
GAS & MINING



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

I, Mary Ballietto

being first duly sworn, depose and say that I am the Receptionist of The Park Record, a weekly newspaper of general circulation, published once each week at Park City, Utah, that the notice attached hereto and which is a Cause No. UIC-036

was published in said newspaper for one consecutive issues, the first publication having been made on the 24th day of May, 1984, and the last on the 24th day of May, 1984, 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.

Mary Ballietto

Subscribed and sworn to before me this 24 day of

May, 1984.

Susan Davis
Notary Public

My commission expires October 17, 1987.

LEGAL NOTICE
BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH
CAUSE NO. UIC-036
IN THE MATTER OF THE APPLICATION OF AMEC CAN QUASAR PETROLEUM COMPANY, FOR ADMINISTRATIVE APPROVAL TO INJECT WATER INTO WELL NO. UPRR 3-5, SECTION 3, TOWNSHIP 2 NORTH, RANGE 7 EAST, SUMMIT COUNTY, UTAH

THE STATE OF UTAH TO ALL INTERESTED PARTIES IN THE ABOVE ENTITLED MATTER.
Notice is hereby given that American Quasar Petroleum Company, 707 United Bank Tower, Denver, Colorado, 80290, has requested administrative approval from the Division to convert the No. UPRR 3-5 well located in the SE 1/4 SW 1/4, Section 3, Township 2 North, Range 7 East, Summit County, Utah to a water injection well as follows:

INJECTION INTERVAL: Stump Formation 5780' - 6305'
MAXIMUM INJECTION PRESSURE: 2500 psi
ESTIMATED WORKING PRESSURE: 2500 psi
MAXIMUM INJECTION RATE: 10,000 BHPD
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: Division of Oil, Gas and Mining, 4241 State Office Building, Salt Lake City, Utah 84114.

DATED this 16th day of May, 1984.
STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
Marjorie L. Larson
Administrative Assistant
Published in the Park Record on May 24, 1984.



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dianne R. Nielson, Ph.D., Division Director

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

June 25, 1984

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

Gentlemen:

RE: Injection Well Approval - Cause No. UIC-036 - Well No. UPRR 3-5
Sec. 3, T2N, R7E, Summit County, Utah

Administrative approval is hereby granted to convert the above referenced well to a salt water disposal well. This approval is conditional upon full compliance with the UIC rules and regulations adopted by the Board of Oil, Gas and Mining, and construction and operation of the well as outlined in the application submitted.

If you have any questions concerning this matter, please do not hesitate to call or write.

Best Regards,

A handwritten signature in cursive script that reads "Dianne R. Nielson".

Dianne R. Nielson
Director

DN/GH/mfp
010

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 1969' FWL, 673' FSL</p>		<p>5. LEASE DESIGNATION AND SERIAL NO. Fee</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME</p> <p>8. FARM OR LEASE NAME UPRR</p> <p>9. WELL NO. 3-5</p> <p>10. FIELD AND POOL, OR WILDCAT Pineview-Twin Creek</p> <p>11. SEC., T., R., M., OR B.L.K. AND SURVEY OR AREA Sec 3, T2N-R7E</p> <p>12. COUNTY OR PARISH Summit</p> <p>13. STATE Utah</p>
<p>14. PERMIT NO. 43-043-30035</p>	<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6764' 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) <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.)

July 15, 1982 Twin Creek perfs 9002-9170' SI.
Plan to convert to SWD.
Approval received from State of Utah 6-25-84.

RECEIVED

AUG 27 1984

DIVISION OF OIL
GAS & MINING

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

SIGNED John D. Dolan 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

5. LEASE DESIGNATION AND SERIAL NO.

Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

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

7. UNIT AGREEMENT NAME

1. OIL WELL GAS WELL OTHER

8. FARM OR LEASE NAME

2. NAME OF OPERATOR
American Quasar Petroleum Co.

UPRR

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

9. WELL NO.

3-5

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

10. FIELD AND POOL, OR WILDCAT

Pineview-Nugget

1969' FWL, 673' FSL (SE SW)

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

Sec. 3, T2N-R7E

14. PERMIT NO.
43-043-30035

15. ELEVATIONS (Show whether OF, RT, GR, etc.)
6764' GR

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

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT*

REPAIR WELL

CHANGE PLANS

(Other)

Well status

(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.)*

Set CICR 9635' & 9220'.
Nugget perfs P&A May 11, 1981.

RECEIVED

AUG 27 1984

DIVISION OF OIL
GAS & MINING

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

SIGNED

John De Bell

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

IN TRIPLICATE
(See instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL GAS WELL OTHER SWD

2. NAME OF OPERATOR
American Quasar Petroleum Company

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
1969' FWL, 673' FSL

14. PERMIT NO.
43-043-30035

15. ELEVATIONS (Show whether of, ft., gr., etc.)
6764' GR

RECEIVED
DEC 13 1984
DIVISION OF
OIL, GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.
Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
UPRR

9. WELL NO.
3-5

10. FIELD AND POOL, OR WILDCAT
Pineview - Stump

11. SEC., T., R., M., OR BLK. AND SURVEY OR ABBA
Sec 3, 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:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Convert to SWD

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

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

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

Twin Creek perfs P&A.
Converted to Stump SW Disposal Well as follows:
11-12-84 MIR.

1. Set cmt retainer @ 8300'.
2. Sqzd Twin Creek perforations @ 9002 to 9170' (gross) w/200 sx cmt.
3. Perfd 6360-62' w/4 SPF & set cmt rtrn @ 6350'.
4. Sqzd perfs 6360-6362' w/300 sx class H.
5. Perfd (Stump) 5750-52' (12 shots) w/4 SPF.
6. Set cmt rtrn @ 5730'.
7. Sqzd perfs 5750-52' w/200 sx class H.
8. Drld out to 6326'.
9. Perfd (Stump) 5800-5810, 5780-5790 w/4 SPF. Swab tested for hydrocarbons. No show oil or gas. State witnessed.
10. Perfd (Stump) 5840-60', 5875-5915', 5930-6000', 6010-30', 6090-6120', 6172-92' & 6290-6305' (444 holes) w/2 SPF.
11. Pkr set @ 5760'.
12. Ran tbg.
13. Plan to start injection within next 6 months.

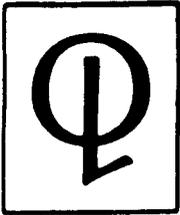
18. I hereby certify that the foregoing is true and correct

SIGNED John D. Nolan TITLE Div. Prod. Mgr. DATE 12/10/84

(This space for Federal or State office use)

APPROVED BY Clara B. Ferguson TITLE VC Manager DATE 12/17/84

CONDITIONS OF APPROVAL, IF ANY:



AMERICAN QUASAR PETROLEUM CO.
OF NEW MEXICO

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

January 10, 1985

RECEIVED
JAN 14 1985

DIVISION OF
OIL, GAS & MINING

Marlayne Poulsen
State of Utah Natural Resources
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

RE: UPRR 3-5 - SWD well

Dear Ms. Poulsen:

We are in receipt of your letter of January 7, 1985, requesting Form DOGM-UIC-5, Notice of Commencement Of Injection.

The UPRR 3-5 well is shut in and injection operations will not start until June or July of this year. We will submit the above form at that time.

Very truly yours,

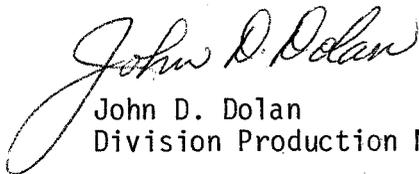
Mary Marson
Administrative Supv.

MM/mp

Page Two
Class II Injection well Application
May 14, 1984

American Quasar agrees with your recommendation that checking the surface casing-intermediate casing annulus for vertical migration of water would be more definitive and feasible than running either noise or temperature logs across the Stump. After a review of all our casing designs in the offset producing wells within one-half mile of Stump injection wells, we will coordinate a schedule with your office to begin the recommended testing.

Very truly yours,

A handwritten signature in cursive script that reads "John D. Dolan". The signature is written in dark ink and is positioned to the left of the typed name.

John D. Dolan
Division Production Manager

JDD:sb

FORM NO. DOGM-UIC-5
(1981)

STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING
Room 4241 State Office Building
Salt Lake City, Utah 84114
(801) 533-5771

RECEIVED
JAN 21 1985

DIVISION OF
OIL, GAS & MINING

RULE I-7 (d & e)

NOTICE OF (COMMENCEMENT) (TERMINATION) OF INJECTION
(Circle appropriate heading)

Check Appropriate Classification: _____ Date of Commencement/~~Termination~~ 1-12-85

Disposal Well

Enhanced Recovery Injection Well

Enhanced Recovery Project

Well Name UPRR 3-5

Location: Section 3 Twp. 2N Rng. 7E, County Summit

Order No. authorizing Injection Cause #UIC-036 Date May 16, 1984

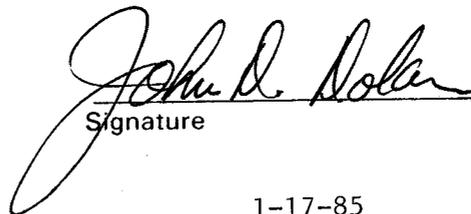
Zone into Which Fluid Injected Stump Formation

If this is a Notice of Termination of injection, please indicate date well commenced injection. _____

If this is a Notice of Termination of injection, please indicate if well is to be plugged or returned to production; if returned to production, indicate producing interval _____

Operator AMERICAN QUASAR PETROLEUM COMPANY

Address 707 United Bank Center, Denver, Colorado, 80290


Signature

1-17-85
Date

INSTRUCTION: If this is notification of an enhanced recovery project injection termination, it must be accompanied by an individual well status report for all project injection wells.

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

7
14

SUNDRY NOTICES AND REPORTS ON RECEIVED

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

1. OIL WELL GAS WELL OTHER MAY 01 1985

2. NAME OF OPERATOR Champlin Petroleum Company

3. ADDRESS OF OPERATOR DIVISION OF OIL GAS & MINING
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, ALLOTTED OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME UPRR

9. WELL NO. 3-5

10. FIELD AND POOL, OR WILDCAT Pineview

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 3 T2N-R7E

12. COUNTY OR PARISH Summit

13. STATE Utah

14. PERMIT NO.

15. ELEVATIONS (Show whether DT, RT, OA, etc.)

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

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

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

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

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

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

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

CONTINUES PAGE 2

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

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

(This space for Federal or State office use)

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

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.
2. NAME OF OPERATOR Champlin Petroleum Company		6. IF INDIAN, ALLOTTED OR TRIBE NAME
3. ADDRESS OF OPERATOR PO Box 700, Rock Springs, Wyoming 82902		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface		8. FARM OR LEASE NAME
14. PERMIT NO.		9. WELL NO.
15. ELEVATIONS (Show whether OF, RT, OR, etc.)		10. FIELD AND POOL, OR WILDCAT Pineview
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
		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:

TEST WATER SHUT-OFF <input type="checkbox"/>	FULL 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) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

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

WELLS

LOCATION

Newton Sheep 4-6
Pineview 4-7
State 4-8
Newton Sheep 4-9
Newton Sheep 4-10
Newton Sheep 4-11
State 4-12
UPRR 5-1
Jones #1 (42-5)
UPRR 9-1
UPRR 9-2
UPRR 11-1
UPRR 15-1
Boyer 34-1

C NW, Sec 4, T2N, R7E
SE NE, Sec 4, T2N, R7E
NW NE, Sec 4, T2N, R7E
SW NE, Sec 4, T2N, R7E
NW SE, Sec 4, T2N, R7E
NE SW, Sec 4, T2N, R7E
NE NW, Sec 4, T2N, R7E
SE SE, Sec 5, T2N, R7E
SE NE, Sec 5, T2N, R7E
SE NE, Sec 9, T2N, R7E
NE SE, Sec 9, T2N, R7E
NW NW, Sec 11, T2N, R7E
NE NW, Sec 15, T2N, R7E
SE SW, Sec 34, T2N, R7E

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

SIGNED [Signature]

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
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. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Saltwater Disposal Well</p> <p>2. NAME OF OPERATOR CHAMPLIN PETROLEUM COMPANY</p> <p>3. ADDRESS OF OPERATOR P.O. Box 700 Rock Springs, WY 82902-0700</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface SESW Sec. 3 673' FSL 1969' 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 UPRR</p> <p>9. WELL NO. UPRR 3-5</p> <p>10. FIELD AND POOL, OR WILDCAT Pineview</p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 3, T2N, R7E</p> <p>12. COUNTY OR PARISH Summit</p> <p>13. STATE Utah</p>
<p>14. PERMIT NO. 43-043-30035</p>	<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6781' KB</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 checked="" type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE 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 January 6-12, 1987 in order to alleviate the casing-tubing communication present on the subject saltwater disposal well:

1. TOOH with 191 jts. of 2-7/8" fiberglass tubing.
2. TIH with 2-7/8" work string. Retrieve packer at 5696'. TOOH.
3. TIH with 2-7/8" work string and redressed Baker A-3 lockset packer to 5732'.
4. Acidize well with 10,000 gallons of 15% HCl.
5. TOOH with work string.
6. TIH with fiberglass tubing. Sting into Baker A-3 lockset packer.
7. Pressure test backside to 1000 psi. Held OK.
8. Returned well to production.
Injection

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

SIGNED Keith J. Nosich TITLE Petroleum Engineer DATE 01/12/87
RBH

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

BAROID TREATING CHEMICALS

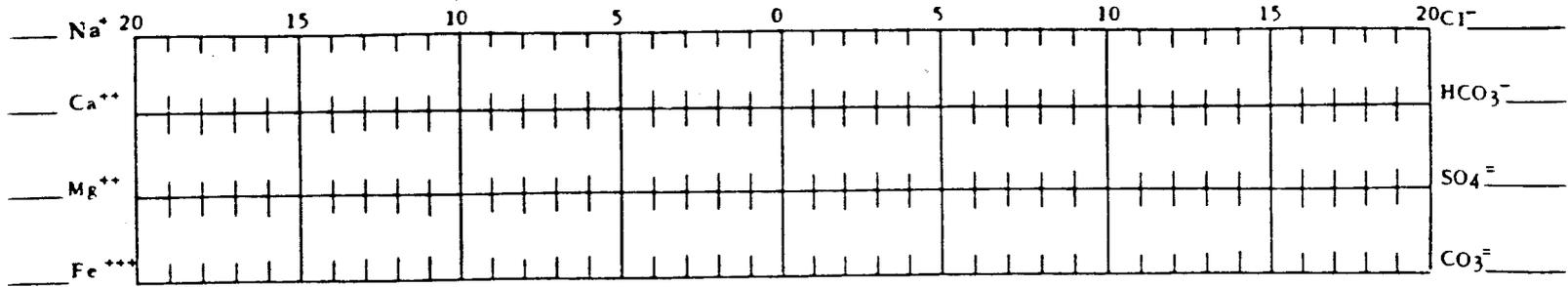
RECEIVED
 APR 10 1987

UPRR 3-5

COMPANY Champlin Petroleum 2N 7E Sec 3		SHEET NUMBER	
FIELD Pineview		COUNTY OR PARISH Summit	DATE 2/19/87
DIVISION OF OIL, GAS & MINING		STATE Utah	
EASE OR UNIT Transfer Plant	WELL(S) NAME OR NO.	WATER SOURCE (FORMATION)	
DEPTH, FT.	BHT, F	SAMPLE SOURCE Filter outlet	TEMP, F
DATE SAMPLED 2/19/87		TYPE OF WATER	
		<input type="checkbox"/> PRODUCED	<input type="checkbox"/> SUPPLY
		<input type="checkbox"/> WATERFLOOD	<input checked="" type="checkbox"/> SALT WATER DISPOSAL

WATER ANALYSIS PATTERN

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



DISSOLVED SOLIDS

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

DISSOLVED GASES

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

PHYSICAL PROPERTIES

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

SUSPENDED SOLIDS (QUALITATIVE)

Iron Sulfide Iron Oxide Calcium Carbonate Acid Insoluble

REMARKS AND RECOMMENDATIONS:

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

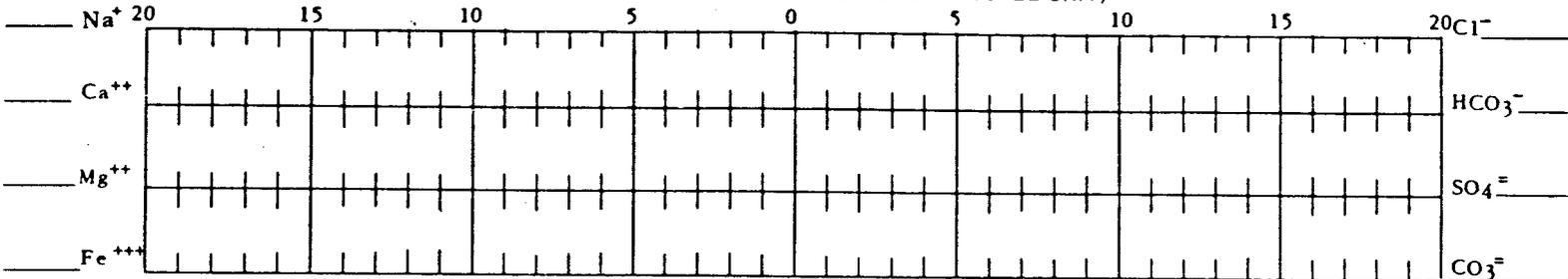
ETC ENGINEER Patrick O'Rourke	DIST. NO. 810	ADDRESS Evanston, Wy.	OFFICE PHONE (307) 789-1355	HOME PHONE 789-6541
ANALYZED	DATE	DISTRIBUTION	<input type="checkbox"/> CUSTOMER	<input type="checkbox"/> AREA OR
			<input type="checkbox"/> ETC ENGINEER OR	<input type="checkbox"/> DISTRICT OFFICE
			<input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

RECEIVED
APR 10 1987

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

WATER ANALYSIS PATTERN

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



DISSOLVED SOLIDS

CATIONS	me/l*	mg/l*
Total Hardness	36.7	--
Calcium, Ca ⁺⁺	26.7	534.0
Magnesium, Mg ⁺⁺	10.0	122.0
Iron (Total) Fe ⁺⁺⁺	0.7	12.5
Barium, Ba ⁺⁺	0	0
Sodium, Na ⁺ (calc.)	478.0	10,994.0
<hr/>		
ANIONS	me/l*	mg/l*
Chloride, Cl ⁻	504.2	17,900.0
Sulfate, SO ₄ ⁼	0	0
Carbonate, CO ₃ ⁼	0	0
Bicarbonate, HCO ₃ ⁻	11.2	683.2
Hydroxyl, OH ⁻	0	0
Sulfide, S ⁼	trace	0.4

DISSOLVED GASES

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

PHYSICAL PROPERTIES

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

SUSPENDED SOLIDS (QUALITATIVE)

Iron Sulfide Iron Oxide Calcium Carbonate Acid Insoluble

REMARKS AND RECOMMENDATIONS:

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

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

Rev. 3/82
Field No. 2

UTAH STATE DEPARTMENT OF HEALTH
ENVIRONMENTAL HEALTH
WATER ANALYSES

DEC 8 04 844841

TC TM Ndt
PC PM BOD

Pest
Rad.
Bact.
Spec.

Date Recd.: _____
Received By: _____

Sample No. 707

Store No. _____ Water Syst. No.: Source No. _____
 Date Collected 702 Time Collected 12:00 Water Rights No. _____
 Yr. mo. day. 24-hour clock
 Exact Description of sampling point
3-5 TAN R7E PINE 646
VIEW
 Supply Owned by _____ Sample Type 04 710
 Sample Collected by GIL HUNT 713
 SEND REPORT TO: Phone _____
010 GAS MINING 715
355 W TEMPLE SUITE 330 648
37C SLC UT 84180 717
 zip code

Sample Source 02 719
 01 Spring 14 Other
 02 Well 15 Tunnel
 03 Stream 18 Artesian well
 04 Lake well
 06 Dist. syst. 19 Swimming pool
 07 Effluent
 08 Storm sewer
 County 611
 01 Beaver 16 Plute
 02 Box Elder 17 Rich
 03 Cache 18 Salt Lake
 04 Carbon 19 San Juan
 05 Daguerre 20 Sanpete
 06 Davis 21 Sevier
 07 Duchesne 22 Summit
 08 Emery 23 Tooele
 09 Garfield 24 Uintah
 10 Grand 25 Utah
 11 Iron 26 Wasatch
 12 Juab 27 Washington
 13 Kane 28 Wayne
 14 Millard 29 Weber
 15 Morgan
 Current use 4 708
 Proposed Use 709
 1. Culinary
 2. Agriculture
 3. Industrial
 4. Other
 Cost Code 900 770

2 Temperature (°C) 650 pH 782 WASTEWATER ANALYSIS BACT. LAB. No. _____
 mg/l
 B.O.D.₅ 794 T.O.C. 671
 Tot. Sus. Solids 787 C.O.D. 777
 NO₂+NO₃-N 602 Cyanide 775
 T.K.N. 778 Phenolics 783
 Oil & Grease 780 Sulfide 672
 M.P.N. Total Coliforms/100ml 658
 M.P.N. Fecal Coliforms/100ml 657
 Fecal Strep C/100ml. 656
 M.F. Total Coliforms/100ml. 654
 M.F. Fecal Coliforms/100ml. 655
 Plate Count-Org./ml. 599

3 Filtered Unfiltered
 me/l mg/l ug/l (ppb)
 Ammonia as N 722
 Arsenic 723
 Barium 724
 Boron 725
 Cadmium 727
 Calcium 728
 Chromium 729
 Chromium, Hex. as Cr 730
 Copper 732
 Iron, dissolved 733
 Lead 734
 Magnesium 737
 Manganese 738
 Nickel 740
 Potassium 742
 Selenium 743
 Silver 744
 Sodium 745
 Zinc 749
 TOTAL CATIONS _____
 Sp. Cond. μ mhos/cm. 17600 762
 TDS @ 180°C 10470 786

4 CHEMICAL ANALYSIS pH, units _____
 me/l mg/l
 Bicarbonate 768
 Carbon Dioxide 759
 Carbonate 760
 Chloride 763
 CO₃ Solids 765
 Fluoride 767
 Hydroxide 605
 Nitrate as N 606
 Nitrite as N 607
 Phosphorus, Ortho as P 750
 Silica, dissolved as SiO₂ 772
 Sulfate
 TOTAL ANIONS _____
 GRAND TOTAL _____
 Tot. Phosphorus 785
 Total Alk. as CaCO₃ 752
 T. Hdns. as CaCO₃ 754
 Surfactant as MBAS 773
 Turbidity, as NTU 757
 Sp. Gravity 608

5 TOTAL METALS ANALYSIS
 mg/l ug/l (ppb)
 Aluminum 800
 Arsenic 660
 Barium 661
 Beryllium 801
 Cadmium 662
 Chromium 663
 Cobalt 804
 Copper 664
 Gold 700
 Iron 755
 Lead 665
 Manganese 666
 Mercury 739
 Molybdenum 802
 Nickel 667
 Selenium 668
 Silver 669
 Uranium 601
 Vanadium 803
 Zinc 670

6 RADIOLOGICS
 Alpha, gross 621 89Sr 633
 Beta, gross 623 131I 635
 Tritium, ³H 625 134Cs 637
²²⁶Radium 627 137Cs 639
²²⁸Radium 629
⁹⁰Sr 631
 Analyses Approved By: RSD Date: 8/10/21

INTERPRETATION OF ANALYSES:
 Remarks: _____
 Based on State Standards, this sample was:
 Satisfactory
 Conditional
 Unsatisfactory
 B.O.D.₅ _____
 Tot. Sus. Solids _____
 M.P.N. Total Coliform. _____
 M.P.N. Fecal Coliform. _____
 By: _____ ENVIRONMENTAL HEALTH

UIC



Union Pacific Resources

A Subsidiary of Union Pacific Corporation

May 22, 1987

RECEIVED
MAY 22 1987

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

DIVISION OF
OIL, GAS & MINING

RE: Corporate Name Change

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

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

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

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

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

Thank you for your cooperation.

Very truly yours,

UNION PACIFIC RESOURCES COMPANY

By *Robert S. Jackson*

Vice President Finance



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

<p>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>		<p>5. LEASE DESIGNATION AND SERIAL NO. 6. IF INDIAN, ALLOTTEE OR TRIBE NAME 031501</p>
<p>1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Saltwater Disposal</p>	<p>MAR 11 1988</p>	
<p>2. NAME OF OPERATOR UNION PACIFIC RESOURCES COMPANY</p>	<p>DIVISION OF OIL, GAS & MINING</p>	
<p>3. ADDRESS OF OPERATOR P.O. Box 700 Rock Springs, WY 82902-0700</p>	<p>7. UNIT AGREEMENT NAME</p>	<p>8. FARM OR LEASE NAME</p>
<p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface</p>	<p>9. WELL NO. See Below</p>	<p>10. FIELD AND POOL, OR WILDCAT Pineview-Stump (SWD)</p>
<p>14. PERMIT NO.</p>	<p>15. ELEVATIONS (Show whether DF, RT, OR, etc.)</p>	<p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA See Below</p>
		<p>12. COUNTY OR PARISH Summit</p>
		<p>13. STATE Utah</p>

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

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

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

The following wells, with the exception of UPRR 15-1, were shut-in February 24, 1988 to reduce disposal volumes into the overpressured Stump reservoir. The UPRR 15-1 was shut-in March 4, 1988. The wells will remain in a shut-in status and will only be utilized in emergency situations.

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

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

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

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:



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

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.

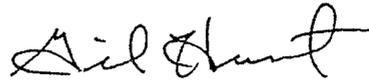


Page 2
Pressure Test
June 2, 1993

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
WO152

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

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

43-043-30295
Sec. 7, 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! Failed MIT

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

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! Failed MIT.

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

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

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

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

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

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

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

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

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

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

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



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

Underground Injection Control Program
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801
801-538-5338
801-358-3940 (Fax)

Daniel Jarvis
Geologist

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>8/8/96</u>	Well Owner/Operator: <u>UPRC</u>
Disposal Well: <u>X</u>	Enhanced Recovery Well: _____ Other: _____
API No.: <u>43-043-30035</u>	Well Name/Number: <u>3-5</u>
Section: <u>3</u>	Township: <u>2N</u> Range: <u>7E</u>

Initial Conditions:

Tubing - Rate: _____ Pressure: 2200 psi
 Casing/Tubing Annulus - Pressure: 500 psi

Conditions During Test:

<u>Time (Minutes)</u>	<u>Annulus Pressure</u>	<u>Tubing Pressure</u>
0	<u>1000</u>	<u>2200</u>
5	1000 <u>750</u>	<u>2200</u>
10	<u>700</u>	<u>2200</u>
15	<u>700</u>	<u>2200</u>
20	<u>700</u>	<u>2200</u>
25	<u>700</u>	<u>2200</u>
30 <u>60</u>	<u>550</u>	<u>2200</u>

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: 1600 psi
 Casing/Tubing Annulus Pressure: 0 psi

REMARKS:

Blew backside down to 0, pumped approx. 1 BBL. pressurized to 1000 bled off to 750 in 5min. repressurized to 1000, bled off to 750 in 5min. - 700 in 10min. 500 in 1 hr. - Failed MIT.

Operator Representative _____

Don [Signature]
 DOGM 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)

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 remain 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

UPRR 3-5
STUMP SWD
SEC 3 T2N R7E

P&A Procedure

1. MIRU completion rig with circulating pump and tank. Remove tree. NU BOP.
2. Release packer and POOH. Allow a +/- 10 minutes to let the slips and element to relax.
3. PU CICR and RIH to +/- 5,750 feet. Set retainer. Mix and pump 130 FT³ (113 sxs / 23 BBLs) below retainer. Sting out and spot 3 FT³ (2.6 sxs / 0.5 BBL) cement on top of retainer.
4. Set 100' 22 FT³ (19 sxs / 3.9 BBLs) balanced plugs inside 7" casing at 5000', 2500', and from 1420-1520'.
5. PU casing and release slips.
6. PU 100' of 1" tubing and cement 13 3/8"x9 5/8" annulus w/ 29 FT³ (25 sxs / 5.1 BBLs).
7. Spot cement from 40'-5' in 7" casing 8 FT³ (7 sxs / 1.4 BBLs).
8. RDMO rig and equipment.
9. Cut off casing 3' below ground level. Weld on cap or regulation P&A marker. Marker to be inscribed with the following:

UPRR 3-5
Union Pacific Resources Company
S3 T2N R7E
Elevation 6764'

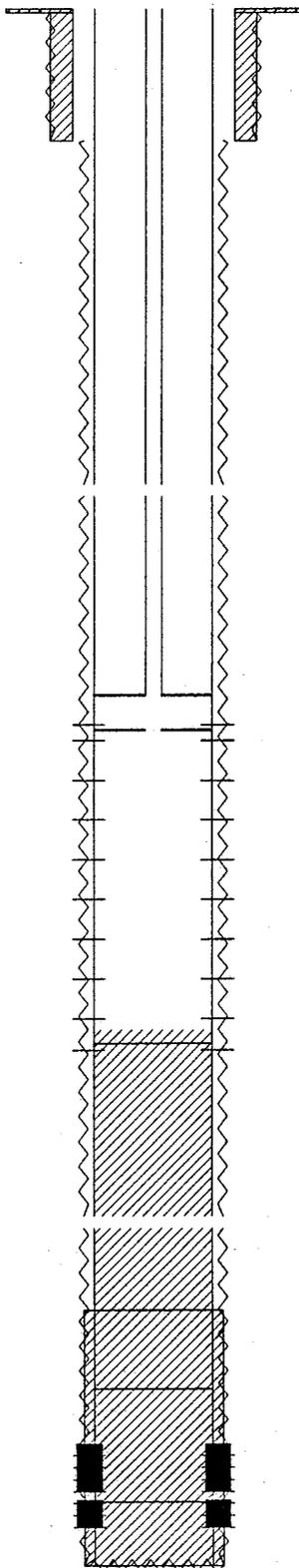
Note: Well is overpressured Stump Injector. Will likely need to kill well prior to pulling.

UPRR 3-5 SWD
Existing October 10, 1996

0.0 - 45.0' 13 3/8" OD CSG
 0.0 - 45.0' 17.50" OD 13.375" ID CEMENT
 0.0 - 1470.0' 12.25" OD 9.625" ID CEMENT
 0.0 - 1470.0' 9 5/8" OD 36.00#/ft K-55 SURF CSG

0.0 - 45.0' 17.50" OD HOLE

45.0 - 1470.0' 12.25" OD HOLE



0.0 - 5696.0' 2.875" OD 2.441" ID 6.50#/ft N-80 TBG

5750.0 - 5752.0' SQUEEZE PERFS

5696.0 - 5699.0' RETRV. PACKER

5760.0 - 5763.0' PACKER

5780.0 - 6305.0' PERFS

Slump

6360.0 - 6362.0' SQUEEZE PERFS

6350.0 - 6351.0' RETAINER

6326.0 - 10329.0' CEMENT PLUG

8400.0 - 8401.0' RETAINER

7550.0 - 10329.0' 8.256" OD 7" ID CEMENT

9635.0 - 9636.0' RETAINER

0.0 - 10329.0' 7" OD 26.00#/ft S-95 PROD CSG

9002.0 - 9526.0' ABANDONED PERFS

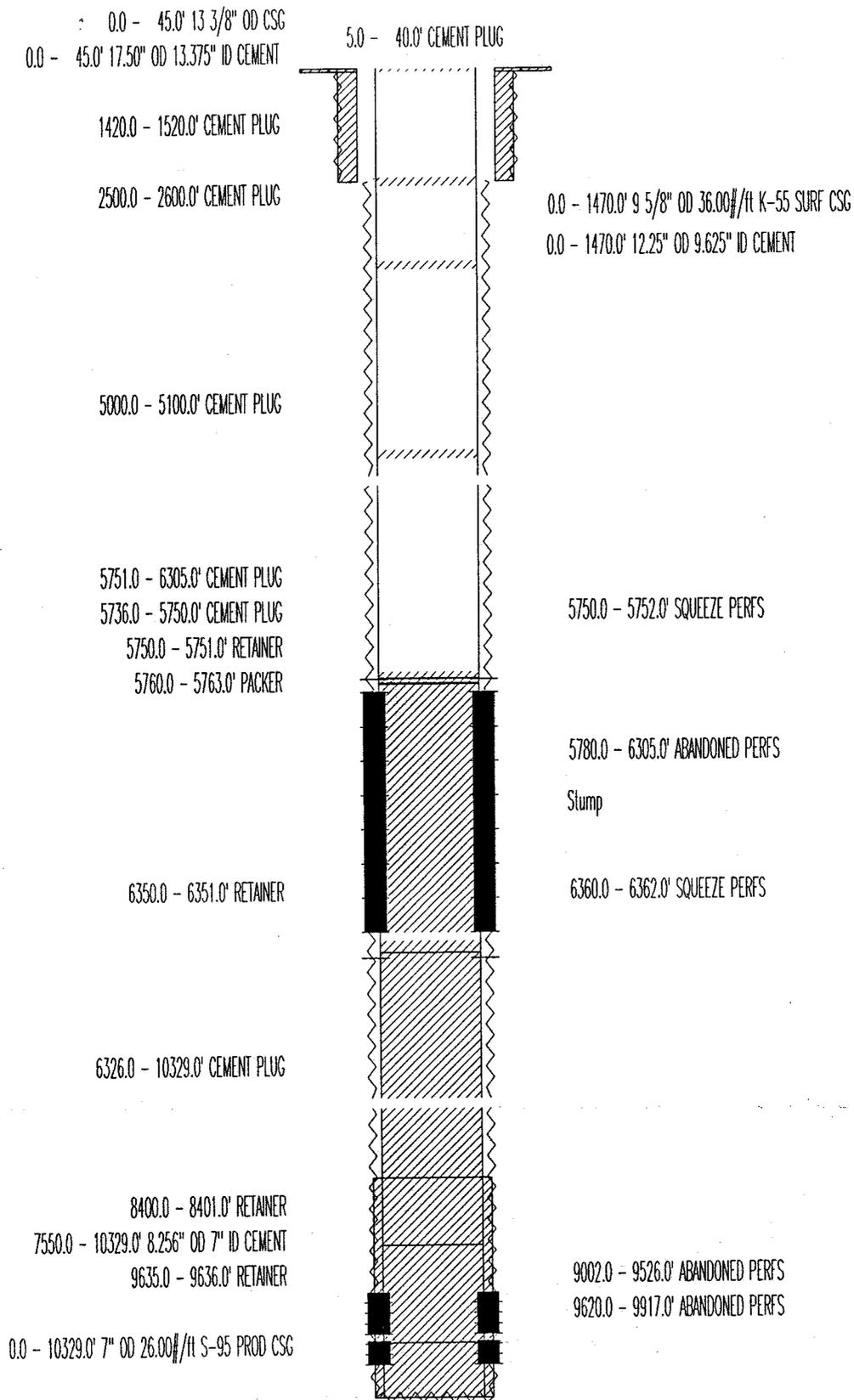
9620.0 - 9917.0' ABANDONED PERFS

1470.0 - 10329.0' 8.25" OD HOLE

PBTD: 6326'

TD: 10329'

UPRR 3-5 SWD Proposed



PBTD: 6326'
TD: 10329'



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)

October 25, 1996

STIPULATIONS FOR THE PLUGGING AND ABANDONMENT OF
UPRR 3-5
STUMP SWD
SECTION 3, TOWNSHIP 2 NORTH, RANGE 7 EAST
SUMMIT COUNTY, UTAH
API # 43-043-30035

1. Notify the Division of Oil Gas and Mining 24 hours prior to beginning operations.
2. In step 3 set the CICR @ 5700', 50' above the old squeezed perforations @ 5750'-5752' perfs.
3. Between steps 3 and 4 circulate a non corrosive fluid of sufficient weight to prevent fluid migration between zones.
4. In step 4, instead of a 100' balanced plug @ 2500 please place the plug from 2725' to 2625 to isolate the top of the Kelvin per UIC's recommendation.
5. Tag the top of the plug at 1420' to make sure it stays in place.

M. Matthews



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

COMPANY NAME: UNION PACIFIC RES CEMENTING CO.: DOWELL
WELL NAME: UPRR 3-5
QTR/QTR: SE/SW SECTION: 3 TOWNSHIP: 2N RANGE: 7E
COUNTY: SUMMIT API NO.: 43-043-30035
INSPECTOR: JLT DATE: 6/26/97

CEMENTING OPERATIONS: P&A WELL: X
SURFACE CASING SHOE DEPTH: _____ FT. CASING PULLED YES: _____ NO: X
CASING PULLED: SIZE: _____ DEPTH CUT: _____ FT. CSG RECOVERED: _____

1 CIBP SET @: _____ FT.

2 CIBP SET @: _____ FT.

(1) PLUG SET @: FROM: _____ TO: _____ FT. TAGGED: YES: _____ NO: _____

(2) PLUG SET @: FROM: _____ TO: _____ FT. TAGGED: YES: _____ NO: _____
SLURRY: _____

(3) PLUG SET @: FROM: _____ TO: _____ FT. TAGGED: YES: _____ NO: _____
SLURRY: _____

(4) PLUG SET @: FROM: _____ TO: _____ FT. TAGGED: YES: _____ NO: _____
SLURRY: _____

(5) PLUG SET @: FROM: _____ TO: _____ FT. TAGGED: YES: _____ NO: _____
SLURRY: _____

SURFACE PLUG: FROM: _____ TO: _____ FT. _____

ALL ANNULUS CEMENTED TO SURFACE: YES: X NO: _____

ABANDONMENT MARKER: PLATE: _____ PIPE: YES

COMMENTS: 6/26/97-PERFORATED 4 HOLES-SIZE 3/8" @ 100'. PUMPED 100'
PLUG-15 BBLs DOWN 7". LOST CIRC. SHUT DOWN. 5:30 PM-PUMPED 9 BBLs
ANNULUS FULL-CEMENT DROPPING. PUMPED 1 BBL 17# CEMENT FALLING.
SHUT DOWN-DUMPED 5-6 SX DRY ON THE GROUND WILL TOP BY HAND. LEFT
LOCATION-OPERATOR MIXED 15 ADDITIONAL GALLONS OF CMT. CMT TO
SURFACE. 6/27/97-MKH RETURNED TO SITE-PLATE AND MARKER WELDED ON
CSG. SPOKE TO PAUL SMITH W/UPRC, WILL SUBMIT SUNDRY NOTICE WITH
ADDITIONAL DETAILS OF PLUGGING.

CEMENTING SERVICE REPORT

Schlumberger

Dowell

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER: 09-2794
 DATE: 6/26/97
 DISTRICT: Rock Springs WY

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

WELL NAME AND NO. **UPR R #3-5** LOCATION (LEGAL) **3-2N-7E**

FIELD-POOL _____ FORMATION _____

COUNTY/PARISH **Summit** STATE **UTAH** API NO. **043-30035**

NAME **J.P.R.**

AND _____

ADDRESS _____

ZIP CODE _____

RIG NAME: **CANON**

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

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

SPECIAL INSTRUCTIONS

SET P & A SURFACE PLUG
PERFS 100' +

IS CASING/TUBING SECURED? YES NO **CEMENTED IN**

LIFT-PRESSURE _____ PSI CASING WEIGHT + SURFACE AREA (3.14 x R²) _____

PRESSURE LIMIT _____ PSI BUMP PLUG TO _____ PSI

ROTATE _____ RPM RECIPROCATE _____ FT No. of Centralizers _____

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

Head & Plugs TBG D.P. SQUEEZE JOB

Double Single Swage Knockoff

SIZE _____ WEIGHT _____ GRADE _____ THREAD _____

TOOL TYPE _____ DEPTH _____

TAIL PIPE: SIZE _____ DEPTH _____

TUBING VOLUME _____ Bbls

CASING VOL. BELOW TOOL _____ Bbls

TOTAL _____ Bbls

ANNUAL VOLUME _____ Bbls

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR TIME: 0930 DATE: 6/26			ARRIVE ON LOCATION TIME: 0930 DATE: 6/26		LEFT LOCATION TIME: 1930 DATE: 6/26	
	TBG OR D.P.	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL			
0001 to 2400								PRE-JOB SAFETY MEETING			
1012								PRESSURE TEST LINES OK			
1020	26"	Flow	15	-	1/2	CMT	16"	START CMT			
1029	50"	0	3	15	"	"	"	LOST CIRC			
1032	25"	0	#	28				SHUTDOWN			
1045	-	-						Rig down go to other well LEFT 1100 WENT TO ANOTHER TET 2000 4849			
								ON LOC. 1730			
1752	0	Flow	9	-	1	CMT	16.0	START CMT (ANNULUS)			
1801	50	1	-	9	-	-	-	SHUT DOWN FULL - Dropping			
1830	0	9	1	-	1/4	CMT	17"	F.II Backup			
1835	25	Flow	19					SHUTDOWN Top out by hand! 1930 LWT LOC			

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
							BBLs	DENSITY
1.	90	19	Class G ^a				18	16.4
2.	45	1	" "				9	16.4
3.	5		5X 6" GRAIND.					
4.								
5.								
6.								

BREAKDOWN FLUID TYPE	VOLUME	DENSITY	PRESSURE	MAX. 50"	MIN: 0
<input type="checkbox"/> HESITATION SQ.	<input type="checkbox"/> RUNNING SQ.	CIRCULATION LOST	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	Cement Circulated To Surf.	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
BREAKDOWN	PSI	FINAL	PSI	DISPLACEMENT VOL.	0 Bbls
Washed Thru Perfs	<input type="checkbox"/> YES <input type="checkbox"/> NO	TO	FT.	MEASURED DISPLACEMENT	<input type="checkbox"/> WIRELINE
PERFORATIONS	TO	TO	CUSTOMER REPRESENTATIVE	DS	SUPERVISOR
			Paul Smith		RA [Signature]

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

<p align="center">SUNDRY NOTICES AND REPORTS ON WELLS</p> <p><small>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 DEEPEEN form for such proposals</small></p>	<p>5. Lease Designation and Serial No. Fee</p> <p>6. If Indian, Allottee or Tribe Name NA</p> <p>7. Unit Agreement Name NA</p> <p>8. Well Name and Number UPRR 3-5 SWD</p> <p>9. API Well Number 43-043-30035</p> <p>10. Field and Pool, or Wildcat Cave Creek</p>
<p>1. Type of Well: OIL () GAS (X) OTHER:</p>	
<p>2. Name of Operator Union Pacific Resources Company</p>	
<p>3. Address and Telephone Number P. O. Box 7 MS 29-3006-01 Fort Worth, Texas 76101-0007 Telephone (817) 877-6000 (Main Number)</p>	

4. Location of Well

Footages	673' FSL & 1969' FWL of Sec. 3-T2N-R7E	County	Summit
QQ, Sec., T., R., M.	SWSE Sec. 3-T2N-R7E	State	Utah

11. **CK 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 type="checkbox"/> Abandonment <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Test <input type="checkbox"/> Multiple Completion <input type="checkbox"/> Other: Sundry Request Approximate date work will start:	<input checked="" type="checkbox"/> Abandonment * <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Other _____ Date of work completion _____ 10/14/96 <small>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.</small>
<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Recompletion <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shutoff	<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Shoot of Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off Shutoff

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 permanently plugged and abandoned the UPRR 3-5 SWD on 10/14/96. The procedure was witnessed by Mr. Jim Thompson with the Division of Oil, Gas, & Mining.

RECEIVED

MAR 06 2000

**DIVISION OF
OIL, GAS AND MINING**

PLEASE CONSIDER ALL SUBMITTALS PERTAINING TO THIS WELL AS "COMPANY CONFIDENTIAL"
If additional information is needed, please contact the undersigned at (817) 321-6261, FAX (817) 321-7942

13.

Name/Signature: Catherine A. Aniello Title: Regulatory Analyst Date: **3/2/00**

Lisha Cordova - RME - UPRR 3-5 / SESW Sec. 3, T2N, R7E, Summit County, Ut

43 043 30035

From: Lisha Cordova
To: Val Meadows (Citation O&G)
Date: 10/28/2009 3:47 PM
Subject: RME - UPRR 3-5 / SESW Sec. 3, T2N, R7E, Summit County, Ut
Attachments: 20091026 UPRR 3-5.pdf; 001 UPRR 3-5 4304330035.jpg; 002.jpg; 003.jpg; 004.jpg; 006.jpg

Hi Val,

It has been determined by the Division that RME Petroleum Company (formerly known as Union Pacific Resources Corp.) is responsible for removal of the remaining production piping/equip. at the above referenced well site in accordance with "Surface Owners Agreement"; see attached.

If you (and/or surface owners) have any questions or need further assistance, give me a call at the number listed below.

Thanks,

Lisha Cordova, Petroleum Specialist
Division of Oil, Gas and Mining
1594 W. North Temple, Suite 1210
Salt Lake City, Utah 84116
(801) 538-5296
lishacordova@utah.gov

Inspection Tracking PA/Rec.

API Well No 43-043-30035-00-00 Owner RME PETROLEUM COMPANY County SUMMIT

Well Name UPRR 3-S

WI Typ Water Disposal Well Fclty/Proj NA Well Status Plugged and Abandoned

Well S-T-R S 3 T 2N R 7E

Directions

Inspect No	Type	Purpose	Responsible Company
ELC00001666	Final Restoration/Bond Release	Routine/Periodic	RME PETROLEUM COMPANY

Violation? SNC? **C M M T**

Notification Type -

Write Violation

Date Inspected 10/22/2009

Date NOV

Date RndyReq

Date Extension

Date Passed

Failed Items

Fail Code	Status	Description

Final insp 5/27/98 by JT RME (formerly Union Pacific Resources Corp. "UPRC") bond released 1/10/07 (Safeco Ins Co of America/Surety No. 2447222/\$80,000). It was observed on this day that not all production piping/equip was removed from well site, buried marker, & site revegetated, see pics in M drive *10/26/09 Discussed "remaining production piping/equip." with Div. Admin (D); it was determined that RME/UPRC is responsible for removal. Surface owner's are Margaret Louise Bowman & Shannon B. Orgill according to Summit County Recorder; see "Surface Owner's Agreement" on file.

Comply# Incident# Inspector Lisha Cordova Duration

RECEIVED

OCT 26 2009

DOCUMENT NO. 97-109

DIV. OF OIL, GAS & MINING

SURFACE OWNER'S AGREEMENT

THIS AGREEMENT, made and entered into this 28th day of May, 1997, by and between MARGARET LOUISE BOWMAN AND SHANNON B. ORGILL (hereinafter for convenience called the "Landowner") and UNION PACIFIC LAND RESOURCES CORPORATION (hereinafter for convenience called "UPLRC");

00482824 6401061 Fee: 840-31043

WITNESSETH:

ALAN BERTRON, SUMMIT COUNTY RECORDER
1997 JUL 15 09:01 AM FEE: \$16.00 BY JAL
REQUEST: UNION PACIFIC RECORDS

RECITALS:

Landowner is the owner of the following-described premises, hereinafter referred to as "described premises":

**Township 2 North, Range 7 East
Section 3: (Containing 317.25 acres, more or less)
Summit County, Utah**

SUBJECT, however, to exceptions and reservations of minerals and rights of entry and of surface use contained in a certain deed or deeds of conveyance, as follows: Warranty Deed No.606 dated June 6m, 1901, from The Union Pacific Railroad Company to Edward Powell, recorded December 21, 1907 in Book 1 at Page 231 in the office of the County Clerk and Recorder of Summit County, Utah. UPLRC is successor in interest to all the right, title and interest of Union Pacific Railroad Company in and to the oil, gas and associated liquid hydrocarbons in said premises for a term or period equal to or exceeding the term of this Surface Owner's Agreement.

UPLRC proposes for UPLRC or its agents, lessees, licensees, successors or assigns to prospect upon and explore the described premises for the development and production of oil, gas and associated liquid hydrocarbon substances either on UPLRC's behalf or under or pursuant to an oil and gas lease or license, or under or pursuant to a "unitization agreement", meaning here and wherever that term is used herein any operating agreement, or any other agreement covering the exploration or development for or the production of oil, gas or associated liquid hydrocarbons, or any pooling, communitization, unit or other agreement whereby the described premises may be included with other lands in proximity thereto as a unit area under a plan of unit or joint exploration, development and operation.

Besides confirming the surface uses expressly set forth below, this agreement is intended to avoid and resolve any and all disputes of whatever nature in connection with the ownership of oil, gas and associated liquid hydrocarbon substances in the described premises, including rights to extract, remove or market such minerals, and including any such dispute that may arise hereafter, whether or not the basis for such dispute is now known or has been identified in disputes involving exceptions and reservations of minerals in other deeds from Union Pacific Railroad Company or its predecessors.

AGREEMENT:

NOW, THEREFORE, it is agreed as follows:

Section 1. In consideration of the mutual benefits and other good and valuable consideration, Landowner hereby confirms, extends and grants to UPLRC, its agents, lessees, licensees, successors and assigns, including any operator or unit operator from time to time in charge of operations under a unitization agreement, and their respective successors and assigns, the easements and rights to enter upon the described premises and any lands adjacent or contiguous thereto owned or claimed by the Landowner and to extract, remove, store, transport, and market for its or their account oil, gas and associated liquid hydrocarbon substances in or from said described premises, and to drill, construct, maintain and use upon, within, and over said described premises all oil wells, gas wells, derricks, machinery, tanks, drips, boilers, engines, pipelines, power and telephone lines, roadways, water wells, and, without limitation by reason of the foregoing enumeration, any and all other structures, equipment, fixtures, appurtenances, or facilities (all of the above being included under the term "facilities") necessary or convenient in prospecting and developing for, producing, storing, transporting, and marketing oil, gas and associated

liquid hydrocarbon substances under or produced from any portion of the described premises or under or produced from any portion of the unit area created under a unitization agreement, together with the right to remove said facilities and the right to use such water as may be needed from the described premises, not including water from Landowner's wells.

Section 2. UPLRC agrees, so long as it is receiving oil and/or gas production from or oil and/or gas royalties upon production from the described premises or allocated thereto under the provisions of a unitization agreement, to pay or cause to be paid to the Landowner in cash the value (which shall never be greater than the amount realized by UPLRC from the sale of such production) on the premises of two and one-half percent (2 1/2%) of all the oil and gas and associated liquid hydrocarbons hereafter produced, saved, and marketed therefrom or allocated thereto as aforesaid, except oil and gas and associated liquid hydrocarbons used in operations on the premises or used under the unitization agreement, and except that as to casinghead gasoline and other products manufactured from gas there shall be deducted the cost of manufacture; provided, however, that during any time the described premises or any portion thereof are included within the boundaries of a participating, pooled, or communitized area, and there is no provision for the payment of royalties to UPLRC but it participates in the production from the pooled, communitized, or unit area as a working interest owner, then the two and one-half percent (2 1/2%) above set forth shall be applied to that percentage of the total production from such area which is allocated to the described premises. Any payment made to the Landowner pursuant to this Section 2 for production which is sold or which is used off the premises shall be calculated after deducting all taxes, now or hereafter levied against, paid on, or measured by production or the value thereof, and after deducting all costs incurred or borne by UPLRC for treating the production to make it merchantable, and for gathering, transporting and compressing the production prior to delivery to the purchaser at the point of sale or use.

When production of oil from lands under several surface ownerships is commingled in one central tank setting for practical operating reasons, periodic individual well tests may be made to compute the quantities of commingled oil properly allocable to each well, and the two and one-half percent (2 1/2%) payment provided herein shall be payable upon the quantities apportioned to each well as reported to UPLRC in full satisfaction of the obligations of UPLRC under this Section 2.

Section 3. Nothing herein contained shall be construed as a covenant to drill by UPLRC, its agents, lessees, licensees, successors, or assigns, or by any operator or unit operator, or as a grant to Landowner of oil or gas rights or rights in other associated liquid hydrocarbons.

Section 4. UPLRC, its agents, lessees, licensees, successors and assigns, including the operator or unit operator under a unitization agreement, shall be required: (a) to pay for all damage to Landowner's lands, buildings, and growing crops caused by the erection or construction of facilities to be used in connection with oil or gas or associated liquid hydrocarbon operations; (b) to bury all pipelines below plow depth where such lines cross cultivated land; and (c) to construct gates or, at its option, install cattle guards where necessary for crossing fenced land in connection with exploration, development, or producing operations and, where an election has been made to construct gates in lieu of cattle guards, to keep such gates in repair and closed. In no event shall the amount of damages exceed the value (as determined by the use of the land at the time the damages are sustained) of that portion of the Landowner's lands actually used by UPLRC, its agents, lessees, licensees, successors or assigns, for the location of its facilities. The fact that damages have not been agreed upon shall in no way delay, restrict, impair or diminish the right of UPLRC, its agents, lessees, licensees, successors and assigns to commence or conduct oil and gas operations on the described premises.

Section 5. Other than the payments to be made as aforesaid, the Landowner shall not be entitled to any other or additional payments as a result of the conduct of the operations described in Section 1 hereof, and Landowner will claim no right, title or interest in or to the oil, gas and associated liquid hydrocarbon substances in the described premises.

00482824 Bk01061 Pg00041

Section 6. Subject to the provisions of Section 8 hereof, it is agreed that the covenants to pay the sums provided in Sections 2 and 4 hereof shall be covenants running with the surface ownership of the described premises and shall not be held or transferred separately therefrom, and any sums payable under this agreement shall be paid to the person or persons owning the surface of the described premises as of the date the oil or gas or associated liquid hydrocarbon production is marketed. UPLRC shall not, however, become obligated to make such payments to any subsequent purchaser of the described

premises and shall continue to make such payments to the Landowner until the first day of the month following the receipt by UPLRC of notice of change of ownership, consisting of the original or certified copies of the instrument or instruments constituting a complete chain of title from the Landowner to the party claiming such ownership, and then only as to payments thereafter made.

Section 7. The easements, rights, and uses herein shall be binding upon the described premises and each and every part thereof, and the present and future owners thereof, and shall continue for the benefit of UPLRC and its successors and assigns, as owners of the oil and/or gas and/or associated liquid hydrocarbon rights in the described premises and each and every part thereof, and their agents, lessees, licensees, successors, and assigns, including any operator or unit operator, and for the benefit of other lands within any unit area within which the described premises, or any portion thereof may be included, and each and every part thereof.

Section 8. This agreement shall be in full force and effect from and after execution and delivery and shall continue in full force and effect for a period of one (1) year and so long thereafter as the oil and gas rights in the described premises are committed to an oil and gas lease or license or to a unitization agreement, or so long as a well capable of producing oil or gas or associated liquid hydrocarbons is located upon the described premises, or drilling or reworking operations are being conducted thereon, and, upon termination of such lease, license, or unitization agreement, or upon abandonment of such well, or upon cessation of such drilling or reworking operations, whichever last occurs, this agreement shall terminate; provided, however, that such termination shall neither affect nor terminate the rights, expressed or implied, in the deed or deeds referred to in the Recitals hereof.

Section 9. Subject to the provisions of Sections 6 and 8 hereof, this agreement shall inure to the benefit of and be binding upon the parties hereto and their respective heirs, executors, administrators, successors, and assigns.

IN WITNESS WHEREOF, the parties hereto have executed this agreement this 17th day of July, 1997, to be effective as of the day and year first above written.

UNION PACIFIC LAND RESOURCES CORPORATION

By: Susan Whiteside
SUSAN WHITESIDE, Attorney-in-Fact

Margaret Louise Bowman
MARGARET LOUISE BOWMAN

5-20-30-01234
Social Security Number
3625 E. Chalk Creek Rd., Coalville, UT 84017

Shannon B. Orgill
SHANNON B. ORGILL

5-28-30-01234
Social Security Number
3605 E. Chalk Creek Rd., Coalville, UT 84017

00482824 Bk01061 Pg00042

STATE OF Utah)
) ss
COUNTY OF Summit)

On this 1st day of July, 1997, before me personally appeared **MARGARET LOUISE BOWMAN**, to me known to be the person(s) described in and who executed the foregoing instrument, and acknowledged that he/she/they executed the same as their free act and deed.

Carla D. Richins
Notary Public

My Commission Expires: 02-23-2001



=====
STATE OF Utah)
) ss
COUNTY OF Summit)

On this 1st day of July, 1997, before me personally appeared **SHANNON B. ORGILL**, to me known to be the person(s) described in and who executed the foregoing instrument, and acknowledged that he/she/they executed the same as their free act and deed.

Carla D. Richins
Notary Public

My Commission Expires: 02-23-2001



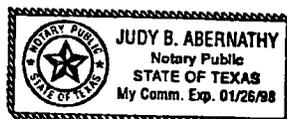
=====
STATE OF TEXAS)
) ss
COUNTY OF TARRANT)

The foregoing instrument was acknowledged before me this 8 day of July, 1997, by **SUSAN WHITESIDE**, as an Attorney-in-Fact of **UNION PACIFIC LAND RESOURCES CORPORATION**, a Delaware corporation, on behalf of the corporation.

Judy B. Abernathy
Notary Public

My Commission Expires:

00482824 Bk01061 P#00043



General Wells

Record Number: 1733
 Purpose: Plugging Bond
 Typ Instrument: Surety Bond
 Amount: \$0,000 \$0
 Guarantor: SAFECO INS CO OF AMERICA
 Bond No.: 2447222
 Phone: X
 TaxID:
 Operator: RME PETROLEUM COMPANY #

Incremental Amount:

Maximum No. of Wells:
 Rating: A+
 Bond Status: Released
 Multiple Operators:

DATES	Approval	Released	Cancel
04/23/2002	11/28/2000	01/10/2007	11/28/2002
Effective	Expire	Renewal	

Recrd#	Hold Type	Reason	Begin Dt	End Dt	Description
[Empty Row]					

Notes:
 This is a rider for the Union Pacific Resources bond-Name was changed to RME Pet Company. See Union Pacific Resources bond. REVIEWED 5/22/02. rider to Anadarko E&P Company LP



Company Bonds Date Mod 01/24/2007

General Wells

Wells on Bond

API Well No.	Well Name	Operator	Legal
43-043-30004-00-00	UPRR 5-1	RME PETROLEUM COMPAN'	5 2N 7E S
43-043-30016-00-00	BINGHAM 10-2	RME PETROLEUM COMPAN'	10 2N 7E S
43-043-30018-00-00	MCDONALD 1-31-3	RME PETROLEUM COMPAN'	3 2N 7E S
43-043-30019-00-00	UPRR 3-3	RME PETROLEUM COMPAN'	3 2N 7E S
43-043-30027-00-00	UPRR 11-1	RME PETROLEUM COMPAN'	11 2N 7E S
43-043-30030-00-00	HJ NEWTON 1-42-9	RME PETROLEUM COMPAN'	9 2N 7E S
43-043-30031-00-00	UPRR 3-4	RME PETROLEUM COMPAN'	3 2N 7E S
43-043-30034-00-00	BOYER 34-1	RME PETROLEUM COMPAN'	34 3N 7E S
43-043-30035-00-00	UPRR 3-5	RME PETROLEUM COMPAN'	3 2N 7E S
43-043-30048-00-00	HJ NEWTON 2-31-9	RME PETROLEUM COMPAN'	9 2N 7E S
43-043-30066-00-00	JONES 1 42-5 (2-7)	RME PETROLEUM COMPAN'	5 2N 7E S
43-043-30068-00-00	1H UPRR 19-2	RME PETROLEUM COMPAN'	19 2N 7E S
43-043-30078-00-00	FAWCETT & SONS 1	RME PETROLEUM COMPAN'	36 5N 7E S
43-043-30080-00-00	UPRR 15-1	RME PETROLEUM COMPAN'	15 2N 7E S
43-043-30081-00-00	JUDD 34-2	RME PETROLEUM COMPAN'	34 2N 6E S
43-043-30093-00-00	UPRR 27-1	RME PETROLEUM COMPAN'	27 2N 6E S
43-043-30097-00-00	BINGHAM 10-3	RME PETROLEUM COMPAN'	10 2N 7E S
43-043-30100-00-00	UPRC CCD 846-A-1R	RME PETROLEUM COMPAN'	25 5N 7E S

Record: 1 of 1 (Filtered)

API Well Number

FLTR NUM

General Wells

Wells on Bond

API Well No.	Well Name	Operator	Legal
43-043-30103-00-00	NEWTON SHEEP 4-5S	RME PETROLEUM COMPAN'	4 2N 7E S
43-043-30116-00-00	NEWTON SHEEP 4-6	RME PETROLEUM COMPAN'	4 2N 7E S
43-043-30120-00-00	UPRR 3-8S	RME PETROLEUM COMPAN'	3 2N 7E S
43-043-30126-00-00	ADKINS 1-32E3	RME PETROLEUM COMPAN'	3 2N 7E S
43-043-30133-00-00	NEWTON SHEEP 4-10S	RME PETROLEUM COMPAN'	4 2N 7E S
43-043-30239-00-00	NEWTON SHEEP 4-11S	RME PETROLEUM COMPAN'	4 2N 7E S
43-043-30241-00-00	THOUSAND PEAKS E-1	RME PETROLEUM COMPAN'	18 3N 8E S
43-043-30306-00-00	UPRR 27-1H	RME PETROLEUM COMPAN'	27 2N 6E S
43-043-30307-00-00	UPRR 3-1H	RME PETROLEUM COMPAN'	3 1N 6E S
43-043-30309-00-00	UPRR 19-1H	RME PETROLEUM COMPAN'	19 5N 8E S
43-043-30319-00-00	YELLOW CREEK DEEP 5-1	RME PETROLEUM COMPAN'	5 5N 8E S
43-047-15103-00-00	AGENCY DRAW 23-2A	RME PETROLEUM COMPAN'	23 13S 20E S
43-047-31273-00-00	CHAMPLIN 23-1A	RME PETROLEUM COMPAN'	23 13S 20E S
43-047-31306-00-00	AGENCY DRAW 1-1A	RME PETROLEUM COMPAN'	1 13S 20E S
43-047-31379-00-00	35-1A	RME PETROLEUM COMPAN'	35 12S 20E S

Record: 1 of 1 (Filtered)

API Well Number

FLTR

NUM

Incidents/Spills **Well Inspections** Date Mod 11/09/2004

Inspection Tracking PA/Rec.

API Well No. 43-D43-30035-00-00 Owner RME PETROLEUM COMPANY County SUMMIT

Well Name UPRR 3-5

Well Typ Water Disposal Well Felty/Proj NA Well Status Plugged and Abandoned

Well S-T-R E 3 T: 2N R: 7E

Directions

Inspect No.	Type	Purpose	Responsible Company
UNE009095	Final Restoration/Bond Release		RME PETROLEUM COMPANY

Violation? SNC? **C** Plugged & reclaimed, NFIN.

Notification Type

Write Violation

Date Inspected 05/27/1998

Date NOV

Date RmdyReq

Date Extension

Date Passed

Failed Items		
Fail Code	Status	Description

Comply# Incident# Inspector Jim Thompson Duration

Well Data

WELL SEARCH	WELL DATA	WELL HISTORY	WELL ACTIVITY
WELL NAME UPRR 3-5	API NUMBER 4304330035	WELL TYPE WD	WELL STATUS PA
OPERATOR RME PETROLEUM COMPANY	ACCOUNT N1770 #	OPERATOR APPROVED BY BLM / BIA <input type="checkbox"/>	
DESIGNATED OPERATOR	ACCOUNT		
FIELD NAME PINEVIEW	FIELD NUMBER 535	FIRST PRODUCTION 8 14 1977	LA / PA DATE 6 26 1997

WELL LOCATION

SURF LOCATION **0673 FSL 1969 FWL**

Q. Q. S. T. R. M. **SESW 03 02.0 N 07.0 E S**

COUNTY **SUMMIT**

UTM COORDINATES

SURFACE - N **4530918.00** BHL - N

SURFACE - E **487902.00** BHL - E

LATITUDE **40.93120**

LONGITUDE **-111.14370**

CONFIDENTIAL FLAG

CONFIDENTIAL DATE

DIRECTIONAL | HORIZONTAL

HORIZONTAL LATERALS

COMMINGLED PRODUCTION

ORIGINAL FIELD TYPE **D**

WILDCAT TAX FLAG

CB-METHANE FLAG

ELEVATION **6764 GR**

BOND NUMBER / TYPE **2447222 5**

LEASE NUMBER **FEE**

MINERAL LEASE TYPE **4**

SURFACE OWNER TYPE **4**

INDIAN TRIBE

C.A. NUMBER

UNIT NAME

CUMULATIVE PRODUCTION:

OIL **386881**

GAS **418256**

WATER **70052**

WELL FILES WELL PHOTOS PROD. GRAPH

COMMENTS **DUAL COMPLETION: 020723 OP FR N9465 4/2002:**