

REMARKS: WELL LOG  ELECTRIC LOGS  WATER SANDS  NO LOCATION INSPECTE  SUB. REPORT/abd.

Notice of intention to complete well - 11,000' depth  
 11,000' suggest.  
 Crg of well home off 1-19-89

DATE FILED 3-18-68

LAND: FEE & PATENTED STATE LEASE NO. ~~STATE~~ LEASE NO. ~~0111~~-013147 INDIAN

DRILLING APPROVED: In Unit 3-18-68

SPUDED IN: 5-3-68

COMPLETED: 4-7-69 PUT TO PRODUCING: 4-7-69

INITIAL PRODUCTION: 284 BOPD 151 BOPD

GRAVITY A.P.I. -

GOR: -

PRODUCING ZONES: 15,328' - 15,663' DAKOTA

TOTAL DEPTH: 17,910'

WELL ELEVATION: 9,030 GK. 9,040' KB

DATE ABANDONED:

FIELD: Bridger Lake Development Well

UNIT: Bridger Lake

COUNTY: Summit

WELL NO. BRIDGER LAKE UNIT FORK "A" #10 D10 API NO. 43-043-30001

LOCATION ~~1625~~ FT. FROM (S) LINE, 1600' FT. FROM (E) LINE. SE NW SE 1/4-1/4 SEC. 14  
 1686 1625

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
	14 E	14	PHILLIPS		14 E	14	PHILLIPS

GEOLOGIC TOPS:

QUATERNARY	Star Point	Chinle	Molas
Alluvium	Wahweap	Shinarump	Manning Canyon
Lake beds	Masuk	Moenkopi	Mississippian
Pleistocene	Colorado	Sinbad	Humbug
Lake beds	Sego	PERMIAN	Brazer
TERTIARY	Buck Tongue	Kaibab	Pilot Shale
Pliocene	Castlegate	Coconino	Madison
Salt Lake	Mancos	Cutler	Leadville
Oligocene	Upper	Hoskinnini	Redwall
Norwood	Middle	DeChelly	DEVONIAN
Eocene	Lower	White Rim	Upper
Duchesne River	Emery	Organ Rock	Middle
Uinta	Blue Gate	Cedar Mesa	Lower
Bridger	<del>Blue Gate</del> HILLIARD - 12,730	Halgaita Tongue	Ouray
Green River	Frontier 14,915	Phosphoria	Elbert
	Dakota 15,362	Park City	McCracken
	Burro Canyon	Rico (Goodridge)	Aneth
	Cedar Mountain	Supai	Simonson Dolomite
FT. UNION - 8,235	Buckhorn	Wolfcamp	Sevy Dolomite
	JURASSIC	CARBONIFEROUS	North Point
Wasatch	Morrison 15,663	Pennsylvanian	SILURIAN
Stone Cabin	Salt Wash	Oquirrh	Laketown Dolomite
Colton	San Rafael Gr.	Weber	ORDOVICIAN
Flagstaff	Summerville	Morgan	Eureka Quartzite
North Horn	Bluff Sandstone	Hermosa	Pogonip Limestone
Almy	Curtis	NILGGET - 17,509	CAMBRIAN
Paleocene	Entrada	Pardox	Lynch
Current Creek	Moab Tongue	Ismay	Bowman
North Horn	Carmel	Desert Creek	Tapeats
CRETACEOUS	Glen Canyon Gr.	Akahl	Ophir
Montana	Navajo	Barker Creek	Tintic
Mesaverde 17,045	Kayenta		PRE-CAMBRIAN
Price River	Wingate	Cane Creek	
Blackhawk	TRIASSIC		

CERTIFICATE OF SURVEYOR

State of Wyoming )  
County of Sublette )<sup>ss</sup>

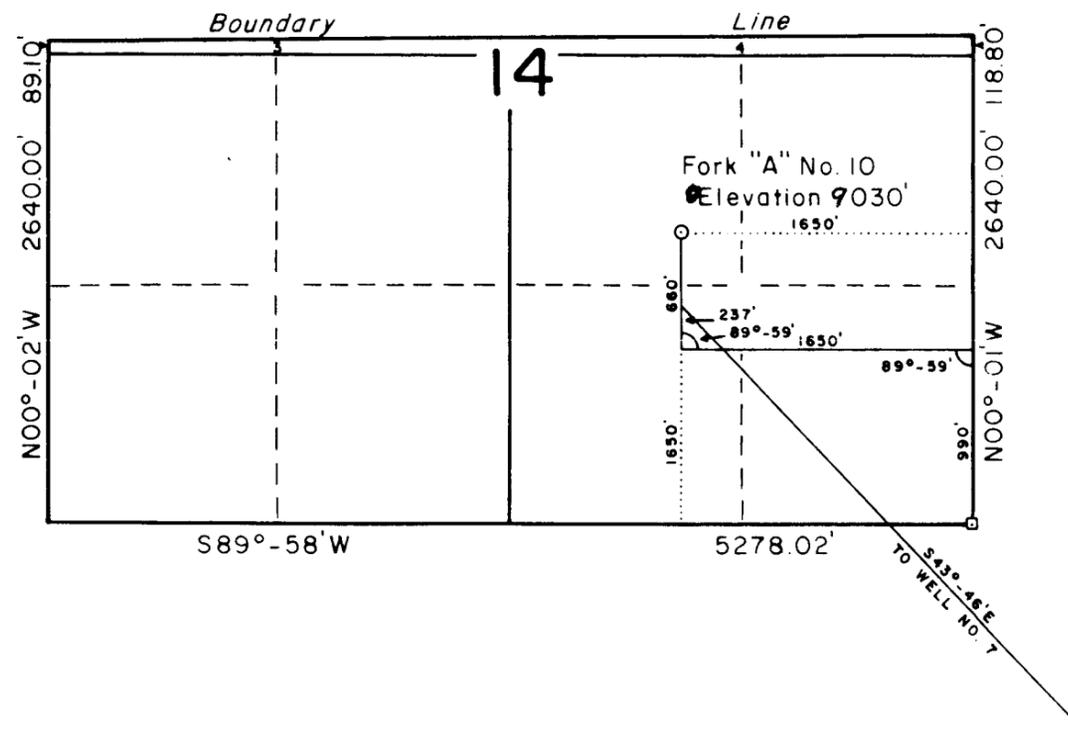
I, Paul N. Scherbel of Big Piney, Wyoming hereby certify that this map was made from notes taken during an actual survey made by me on 3 and 5 February 1968 and that it correctly represents the location described thereon with the section dimensions of record on the official original survey plat of T3N, R14E, SLB&M.



Land Surveyor --- Utah Registration no. 1670

T3N R14E SLB&M

WYOMING-UINTA COUNTY



PHILLIPS PETROLEUM COMPANY  
FORK "A" NO. 10  
NW/4SE/4 SECTION 14 T3N, R14E  
SUMMIT COUNTY, UTAH

Scale 1" = 1000'

53

CERTIFICATE OF SURVEYOR

State of Wyoming )  
County of Sublette )  
I, Paul N. Scherbel of Big Piney, Wyoming hereby  
certify that this map was made from notes taken during  
an actual survey made by me on 3 and 5 February 1968  
and that it correctly represents the location described  
thereon with the section dimensions of record on the  
official original survey plat of T3N, R14E, SLB&M.

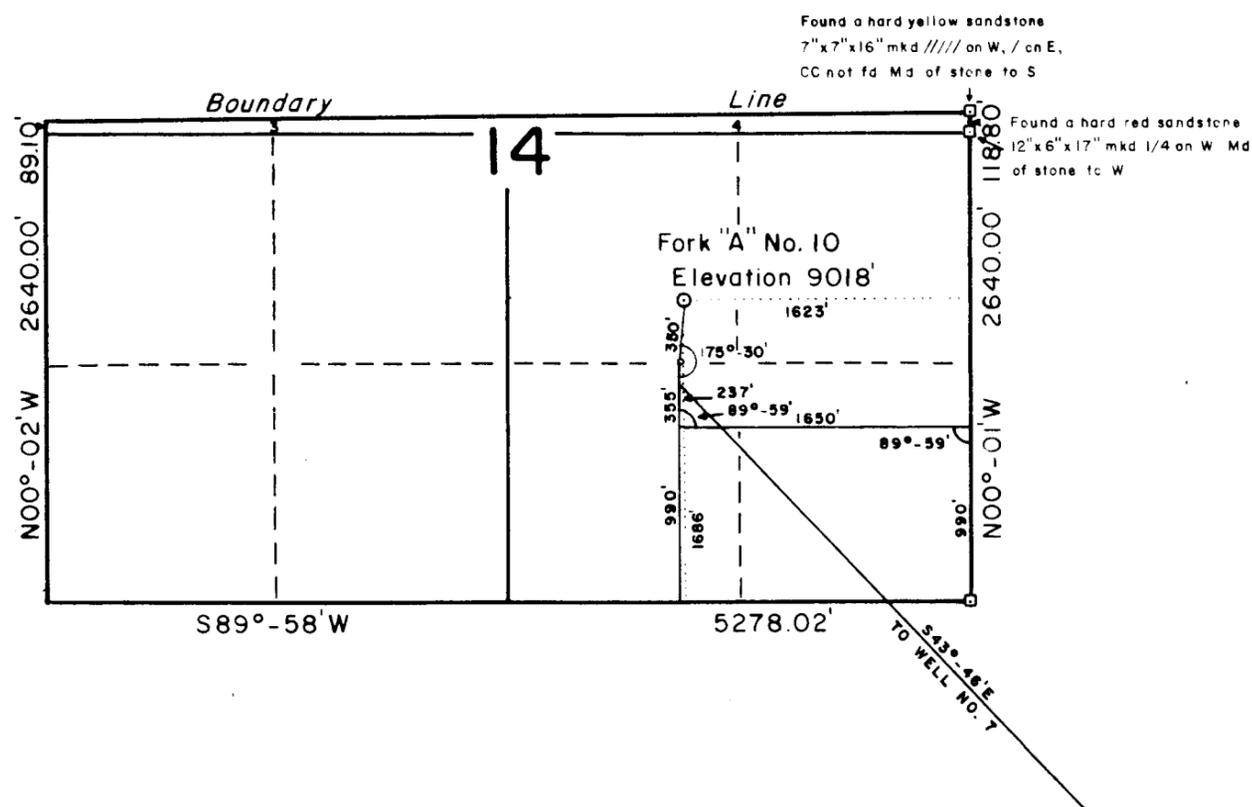
*Paul N. Scherbel*

Land Surveyor --- Utah Registration no. 1670

Relocation - 8 May 1968  
PNS

T3N R14E SLB&M

WYOMING-UINTA COUNTY



PHILLIPS PETROLEUM COMPANY  
FORK "A" NO. 10  
NW/4SE/4 SECTION 14 T3N, R14E  
SUMMIT COUNTY, UTAH

Scale 1" = 1000'

24

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE Utah  
LEASE NUMBER 013145  
UNIT Bridger Lake

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State Utah County Summit Field Bridger Lake  
The following is a correct report of operations and production (including drilling and producing wells) for the month of February, 1968, Fork A Lease  
Agent's address Box 2331 Company Phillips Petroleum Company  
Casper, Wyoming Signed J. P. DENNY  
Phone 237-3791 Agent's title District Superintendent

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)
SW SE Sec. 24	3N	14E	7		PTD 15665 3-31-68 Halliburton oil-acid squeezed w/12000 gal oil, 108 gal FE-1A & 60 gal Hyflo. Failed to flow, swabbed 8 hrs, recovered 128 BLO, 318 BLO to rec. Drilled to 15675 on 3-6-68. Ran 7" csg, set at 15675 RKB. Cemented w/440 sx type G cement, 10% Diacel D, 3/10 of 1% LHL, 1/4 lb Fleecle per sx. Good Circulation. Drilled out cement 15627-65. Top of cement 214350. Perforated 7" csg w/4 jets/ft. 15616-19 and 15562-65. Ran 3-1/2" tbg and RTTS pkr, set 15499. Moved out Rotary. Halliburton oil-acid squeezed w/5000 gal crude, 54 gal FE-1A and 25 gal Hyflo avg rate 1 bbl/min at 7500 psi. 3-29-68 flowed 324 bbls oil to test tank, 20/64" choke, FTP 275 psi. Shut down for larger oil-acid treatment					
SW NW Sec. 36	3N	14E	8		Location.					
SE NW Sec. 24	3N	14E	9		Location.					
✓ NW SE Sec. 14	3N	14E	10		Location.					

Norm.—There were \_\_\_\_\_ runs or sales of oil; \_\_\_\_\_ M cu. ft. of gas sold;

\_\_\_\_\_ runs or sales of gasoline during the month. (Write "no" where applicable.)

Norm.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE Utah  
LEASE NUMBER 013145  
UNIT Bridger Lake

Page 2 of 2 pages

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State Utah County Summit Field Bridger Lake

The following is a correct report of operations and production (including drilling and producing wells) for the month of February, 19 68, Fork A Lease

Agent's address Box 2331 Company Phillips Petroleum Company  
Casper, Wyoming Original Signed By: J. P. DENNY

Phone 237-3791 Signed J. P. DENNY Agent's title District Superintendent

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL No.	DAYS PRODUCED	BARRELS OF OIL GRAVITY	CU. FT. OF GAS (In solution)	GALLONS OF GASOLINE (In solution)	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)
SW SE Sec. 24	3N	14E	7						Drilling at 15,500 Sd & Shale.
SW NW Sec. 36	3N	14E	8						Location.
SW NW Sec. 24	3N	14E	9						Location.
NW SE Sec. 14	3N	14E	10						Location.

NOTE.—There were ..... runs or sales of oil; ..... M cu. ft. of gas sold;

..... runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

State Utah

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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  
**Phillips Petroleum Company**

3. ADDRESS OF OPERATOR  
**P. O. Box 2931 Casper, Wyoming 82601**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface **1600' 1723' 1650' FEL & 1650' FSL**  
 At proposed prod. zone

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

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

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED TO THIS WELL

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

19. PROPOSED DEPTH  
**15,750'**

20. ROTARY OR CABLE TOOLS  
**Rotary**

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**9030' GR (not graded)**

22. APPROX. DATE WORK WILL START\*  
**3-1-68**

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" OD	48#	400'	Circulate to Surface
12 1/2"	9-5/8" OD	36#	8900'	1000' Fillup
8-3/4"	7" OD	29-26-23#	15,750'	1000' Fillup

It is proposed to drill to approximately 15,750' to test the Dakota Zone.

APPROVED BY DIVISION OF  
OIL & GAS CONSERVATION

DATE March 18, 1968  
 BY Clayton E. Ferguson  
 Director

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 District Superintendent DATE February 15, 1968

(This space for Federal or State office use)

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

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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  
**Phillips Petroleum Company**

3. ADDRESS OF OPERATOR  
**P. O. Box 2931 Casper, Wyoming 82601**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)  
 At surface ~~1650' FSL 1600' FSL~~  
 At proposed prod. zone **1725' FSL + 1600' FSL**

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

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

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED TO THIS WELL

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

19. PROPOSED DEPTH  
**15,750'**

20. ROTARY OR CABLE TOOLS  
**Rotary**

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**9030' GR (not graded)**

22. APPROX. DATE WORK WILL START\*  
**3-1-68**

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" OD	48#	400'	Circulate to Surface
12 1/2"	9-5/8" OD	36#	8900'	1000' Fillup
8-3/4"	7" OD	29-26-23#	15,750'	1000' Fillup

It is proposed to drill to approximately 15,750' to test the Dakota zone.

The API number assigned to this well is 43-043-30001.

APPROVED BY DIVISION OF OIL & GAS CONSERVATION

DATE March 18, 1968

by *Clarence J. ...*  
Director

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 District Superintendent DATE February 15, 1968

(This space for Federal or State office use)

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

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

FEB 19 1968

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.  
**Utah 013147**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME  
**Bridger Lake**

8. FARM OR LEASE NAME  
**Fork "A"**

9. WELL NO.  
**10**

10. FIELD AND POOL, OR WILDCAT  
**Bridger Lake Development Well**

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
**NW SE  
Sec. 14-3N-14E**

12. COUNTY OR PARISH | 13. STATE  
**Summit | Utah**

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  
**Phillips Petroleum Company**

3. ADDRESS OF OPERATOR  
**P. O. Box 2931 Casper, Wyoming 82601**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface **1650' FEL & 1650' FSL**  
At proposed prod. zone

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

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

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED TO THIS WELL

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
**15,750'**

20. ROTARY OR CABLE TOOLS  
**Rotary**

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**9030' GR (not graded)**

22. APPROX. DATE WORK WILL START\*  
**3-1-68**

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" OD	48#	400'	Circulate to Surface
12 1/2"	9-5/8" OD	36#	8900'	1000' Fillup
8-3/4"	7" OD	29-26-23#	15,750'	1000' Fillup

It is proposed to drill to approximately 15,750' to test the Dakota Zone.

Notice to: Manager, Land Office, Salt Lake City  
District Ranger, Wasatch NF, Mountain View, Wyoming  
Wasatch N.F. Hdqs, 4438 Federal Bldg., Salt Lake City

NOTIFICATION ON FOREST SERVICE  
CONTACT DISTRICT  
BEFORE ENTERING

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 \_\_\_\_\_ TITLE **District Superintendent** DATE **February 15, 1968**

(This space for Federal or State office use)

FEB 19 1968

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY (ORIG. SGD.) **R. A. Searles** TITLE **DISTRICT ENGINEER**

FEB 19 1968

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Form approved.  
Budget Bureau No. 42-R386.5.

LAND OFFICE Utah  
LEASE NUMBER 013145  
UNIT Bridger Lake

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State Utah County Summit Field Bridger Lake  
The following is a correct report of operations and production (including drilling and producing wells) for the month of March, 1968, Fork A Lease  
Agent's address Box 2331 Company Phillips Petroleum Co.  
Casper, Wyo. Original Signed By: J. P. DENNY  
Signed J. P. DENNY  
Phone 237-3791 Agent's title District Superintendent

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)
SW SE Sec. 24	3N	14E	7		PTD 25665. Flow testing. 866 BO, 36 BW, 24 hrs. FTP 450 psi, 25/64" chk. GOR 837, 4-30-68. Set CI bridge plug above perms 15562-65 & 15616-19, bridge plug set 15,550. Perforated Dakota "C" zone w/4jet holes/ft.					
SW NW Sec. 36	3N	14E	8		Location					
SE NW Sec. 24	3N	14E	9		Location					
NW SE Sec. 14	3N	14E	10		TD 38. Moved in and rigging up rotary. Moved in spudded, drilled 30" hole to 38'. Set and cemented 24" conductor pipe at 38'.					

Note.—There were \_\_\_\_\_ runs or sales of oil; \_\_\_\_\_ M cu. ft. of gas sold;

\_\_\_\_\_ runs or sales of gasoline during the month (Write "no" where applicable.)

Note.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 8th of the succeeding month, unless otherwise directed by the supervisor.

OIL & GAS CONSERVATION BOARD

DELBERT M. DRAPER, JR.  
CHAIRMAN

CHARLES R. HENDERSON  
GUY N. CARDON  
ROBERT R. NORMAN  
WALLACE D. YARDLEY



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

1588 West North Temple  
Salt Lake City, Utah 84116  
328-5771

March 12, 1968

CLEON B. FEIGHT  
DIRECTOR  
PAUL W. BURCHELL  
CHIEF PETROLEUM ENGINEER

Phillips Petroleum Company  
P. O. Box 2331  
Casper, Wyoming

Re: Well No. Bridger Lake Unit Fork  
"A" #10, Sec. 14, T. 3 N., R. 14 E.,  
Summit County, Utah.

Gentlemen:

We are in receipt of your Lessee's Monthly Report of Operations for the month of February, 1968 in which we note a location for the above mentioned well.

In checking our files we further notice that no "Notice of Intention to Drill" has been filed with the Division. It would be appreciated if you would forward said notice and surveyor's plat as soon as possible.

Thank you for your cooperation in this matter.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

SHARON CAMERON  
RECORDS CLERK

sc

PLEASE NOTE ATTACHED

27

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

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

4034  
Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

**Utah 013147**

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

**Bridger Lake**

8. FARM OR LEASE NAME

**Fork "A"**

9. WELL NO.

**10**

10. FIELD AND POOL, OR WILDCAT

**Bridger Lake Deval. Well**

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

**SW SE  
Sec. 14-3N-14E**

12. COUNTY OR PARISH 13. STATE

**Summit**

**Utah**

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
**Phillips Petroleum Company**

3. ADDRESS OF OPERATOR  
**P. O. Box 2331, Casper, Wyoming 82601**

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

**1600' FEL & 1725' FSL**

14. PERMIT NO.

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

**9030 Gr (Not Graded)**

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

**Location Change**

**X**

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

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

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

**It was originally proposed to drill well 1650' FEL & 1650' FSL.  
Location moved to above line measurements due to excessive dirt work.**

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

SIGNED

*[Signature]*

TITLE **District Superintendent**

DATE **March 13, 1968**

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

*[Handwritten mark]*

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE Utah  
LEASE NUMBER 013145  
UNIT Bridger Lake

Page 2 of 2 pages

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State Utah County Summit Field Bridger Lake

The following is a correct report of operations and production (including drilling and producing wells) for the month of May, 1968, Fork A Lease

Agent's address Box 2331 Company Phillips Petroleum Company

Casper, Wyoming Signed Original Signed By:

Phone 237-3791 Agent's title J.P. DENNY District Superintendent

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)
SW NW Sec. 36	3N	14E	8		Location.					
SE NW Sec. 24	3N	14E	9		Location.					
NW SE Sec. 14	3N	14E	10		Drilling 6870 Sd & SH. Drilled 17-1/2" hole to 422, reamed 20" hole to 422. Ran 16" casing set at 388, cemented w/500 sx Type G, 2% CaCl, 1/4# Flocele per sack, circ to surface. Tested casing to 1000 psi, 30 min, OK. Drilling ahead in 13-3/4" hole.					

NOTE.—There were \_\_\_\_\_ runs or sales of oil; \_\_\_\_\_ M cu. ft. of gas sold;

\_\_\_\_\_ runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE Utah  
LEASE NUMBER 013145  
UNIT Bridger Lake

Page 2 of 2 pages.

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State Utah County Summit Field Bridger Lake  
 The following is a correct report of operations and production (including drilling and producing wells) for the month of June, 1968, Fork A Lease  
 Agent's address Box 2331 Company Phillips Petroleum Company  
Casper, Wyoming Original Signed By: J. P. DENNY  
 Signed J. P. DENNY  
 Phone 237-3791 Agent's title District Superintendent

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)
SW NW Sec. 36	3N	14E	8		Location.					
SE NW Sec. 24	3N	14E	9		Location.					
NW SE Sec. 14	3N	14E	10		Drilling 9883. Drilled to 8796, Ran 10-3/4" casing, set at 8796, cemented 1st stage with 550 sx Type G cement, with DV collar at 1018, cemented 2nd stage through DV collar with 750 sx Type G cement, 2% CaCl, 10% Diacel D, followed with 250 sx Type G 2% CaCl. Set pkr. 8650, pressured 2000 psi, dropped to 1400 psi. Squeezed 220 sx Type G cement around 10-3/4" shoe to 3600 psi, holding press 3600 psi. Halliburton press tested casing to 3000 psi, 30 min. OK. Drilling ahead.					

\_\_\_\_\_ M cu. ft. of gas sold;  
 \_\_\_\_\_ gallons of oil;  
 \_\_\_\_\_ gallons of gasoline during the month. (Write "no" where applicable.)  
 This report is for the calendar month, regardless of the status of operations, and must be filed in the succeeding month, unless otherwise directed by the supervisor.

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

SUBMIT IN TRIPLES  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

Utah 013147

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Bridger Lake

8. FARM OR LEASE NAME

Fork "A"

9. WELL NO.

10

10. FIELD AND POOL, OR WILDCAT

Bridger Lake Devel. Well

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

NW SE  
Sec 14 3N 14E

12. COUNTY OR PARISH

Summit

13. STATE

Utah

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
Phillips Petroleum Company

3. ADDRESS OF OPERATOR  
P.O. Box 2331, Casper, Wyoming 82601

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

1623' FEL and 1686' FSL

14. PERMIT NO.  
43-043-30001

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
9040.5 RKB

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) Location Change

(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.)\*

This Sundry Notice filed to correct location. Attached is resurvey plat dated 5-8-68. Line measurements were previously reported at 1600' FEL and 1725' FSL.

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

SIGNED

*D. E. Jones*

TITLE

Ass't Dist. Supt.

DATE

5-10-68

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE Utah  
LEASE NUMBER 013145  
UNIT Bridger Lake

Page 2 of 2 pages

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State Utah County Snow Field Bridger Lake  
 The following is a correct report of operations and production (including drilling and producing wells) for the month of July, 19 68,  
 Agent's address Box 2331 Company Phillips Petroleum Company  
Casper, Wyoming Signed J. P. DENNY  
 Phone 237-3191 Agent's title District Superintendent

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DATE 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)
SW NW Sec. 36	3N	14E	8		Location.					
SE NW Sec. 24	3N	14E	9		Location.					
NW SE Sec. 14	3N	14E	10		Drilling 14,043.					

NOTE.—There were \_\_\_\_\_ runs or sales of oil; \_\_\_\_\_ M cu. ft. of gas sold;

\_\_\_\_\_ runs or sales of gasoline during the month. (Write "no" where applicable.)  
 NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE Utah  
LEASE NUMBER 013145  
UNIT Bridger Lake

Page 2 of 2 pages

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State Utah County Summit Field Bridger Lake  
 The following is a correct report of operations and production (including drilling and producing wells) for the month of August, 19 68  
 Agent's address Box 2331 Company Phillips Petroleum Company  
Casper, Wyoming Original Signed By: J. P. DENNY  
 Signed J. P. DENNY Agent's title District Superintendent  
 Phone 237-3791

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)
SW NW Sec. 36	3N	14E	8		Location.					
SE NW Sec. 24	3N	14E	9		Location.					
NW SE Sec. 14	3N	14E	10		TD 15765 - Preparing to run 7-5/8" liner.					

NOTE.—There were \_\_\_\_\_ runs or sales of oil; \_\_\_\_\_ M cu. ft. of gas sold;

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE Utah  
LEASE NUMBER 013145  
UNIT Bridger Lake

Page 2 of 2 pages

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Summit Field Bridger Lake  
 The following is a correct report of operations and production (including drilling and producing wells) for the month of September, 19 68, Fork A Lease  
 Agent's address Box 2331 Company Phillips Petroleum Company  
Casper, Wyoming Original Signed By: J. P. DENNY  
 Signed J. P. DENNY  
 Phone 237-3791 Agent's title District Superintendent

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)
SW NW Sec. 36	3N	14E	8		Location.					
SE NW Sec. 24	3N	14E	9		Location.					
NW SE Sec. 14	3N	14E	10		<del>15765</del> Drilling at 16,265. After reaching 15,765' a 7-5/8" liner was run from 8564' to 15,762' (Dakota Zone). Cemented liner with 550 sacks Class G Cement, logged and found top cement at 14,810'. Perforated 7-5/8" liner with 2 holes at 8700', set RTTS Tool at 8599'. Pumped in 300 sacks Class G Cement, squeezed thru perfs 8700'. Did not reverse out cement. Drilled cement to 8714', set RTTS Tool at 8599'. Pumped in 125 sacks Class G Cement, squeezed 105 sacks thru perfs at 8700'. Pressure tested liner to 3000 PSI, 30 minutes, held OK. Drilling ahead to test Nugget Zone.					

NOTE.—There were \_\_\_\_\_ runs or sales of oil; \_\_\_\_\_ M cu. ft. of gas sold;

\_\_\_\_\_ runs or sales of gasoline during the month. (Write "no" where applicable.)

—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in \_\_\_\_\_ with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

Utah 033147

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

Bridger Lake

8. FARM OR LEASE NAME

Fort "A"

9. WELL NO.

10

10. FIELD AND POOL, OR WILDCAT

Bridger Lake Devel. Well

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

NW 38 Sec. 14-T9N-R14E

12. COUNTY OR PARISH 13. STATE

Summit

Utah

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
Phillips Petroleum Company

3. ADDRESS OF OPERATOR  
P. O. Box 2331, Casper, Wyoming 82601

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface  
1600' FEL & 1725' FSL

14. PERMIT NO.

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

9040.5' RKB

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

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

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

It was originally proposed to drill to 15,750' to test the Dakota Zone.

After reaching 15,765' a 7-5/8" liner was ran from 8564' to 15,762' (Dakota Zone). Cemented liner with 550 sacks Class G Cement, logged and found top cement at 14,810'. Perforated 7-5/8" liner with 2 holes at 8700', set RTTS Tool at 8599'. Pumped in 300 sacks Class G Cement, squeezed thru perfs at 8700'. Did not reverse out cement. Drilled cement to 8714', set RTTS Tool at 8599'. Pumped in 125 sacks Class G Cement, squeezed 105 sacks thru perfs at 8700'. Pressure tested liner to 3000 PSI, 30 minutes, held OK.

It is proposed to drill to 18,000' to test the Nugget Zone.

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

SIGNED

TITLE Ass't Dist. Superintendent

DATE September 25, 1968

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

25

*Shaw*

October 7, 1968

MEMO FOR FILING

Re: Phillips Petroleum Company  
~~Fork #10~~ *Bridger Lake Unit Fork "A" #10*  
Sec. 14, T. 3 N, R. 14 E,  
Summit County, Utah

On October 2, 1968, the above named well site was visited.

Met with the toolpusher, and discussed drilling operations of the Loffland Brother's rig #22. They are presently drilling at 16,400' in the Morrison Formation and have encountered excellent shows of oil in the Dakota as well as good sandstone development which indicates this well may be one of the better producers in the field.

Overall drilling operations toward the 18,000' Nugget mark were considered satisfactory and the only serious problem encountered to date was when the contractor dropped their drill pipe, however, subsequent fishing operations were successful.

PAUL W. BURCHELL  
CHIEF PETROLEUM ENGINEER

PWB:sd  
cc: U.S. Geological Survey  
Rod Smith, Dist. Engineer

21

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE Utah  
LEASE NUMBER 013145  
UNIT Bridger Lake

Page 2 of 2 pages

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Summit Field Bridger Lake  
The following is a correct report of operations and production (including drilling and producing wells) for the month of October, 1968, Fork A Lease  
Agent's address Box 2331 Company Phillips Petroleum Company  
Casper, Wyoming Original Signed By: J. P. DENNY  
Signed J. P. DENNY  
Phone 237-3791 Agent's title District Superintendent

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)
SW NW Sec. 36	3N	14E	8		Location.					
SE NW Sec. 24	3N	14E	9		Location.					
NW SE Sec. 14	3N	14E	10		TD 1697.0. Drilled to 16910 with 6-1/2" diamond bit. While tripping, bit stuck at 16367. Backed off DC's at 16324, top of fish. Caught and jarred on fish, no results. Washed over fish to bit, milled on bit 4 hours with diamond shoe. Ran overshot, caught fish at 16324, jarred 2 hours, no results. Will attempt to mill off diamond bit with 6-1/2" OD x 5-3/4" ID clusterite shoe.					

NOTE.—There were \_\_\_\_\_ runs or sales of oil; \_\_\_\_\_ M cu. ft. of gas sold;

\_\_\_\_\_ runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE Utah  
LEASE NUMBER 013145  
UNIT Bridger Lake

Page 2 of 2 pages

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State Utah County Summit Field Bridger Lake  
 The following is a correct report of operations and production (including drilling and producing wells) for the month of November, 19 68,  
 Agent's address Box 2331 Company Phillips Petroleum Company  
Casper, Wyoming Original Signed By: J. P. DENNY  
 Signed J. P. DENNY Agent's title District Superintendent  
 Phone 237-3791

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)
SW NW Sec. 36	3N	14E	8		Location.					
SE NW Sec. 24	3N	14E	9		Location.					
NW SE Sec. 14	3N	14E	10		TD 17,686. Core No. 1 - 17,416-68 cut and rec 52' of shaley lime, dolomite and oolitic lime, no show. Core No. 2 - 17,566-618, recovered 31', sand, fn gr, lite tan, friable, very little fracturing, trace oil in parts. Sample Top Nugget 17,545. Core No. 3 - 17,623-46, core barrel stuck, jarred loose. Rec 17' medium to fine grain sand, hard and tite, no show. Drilling ahead.					

NOTE.—There were \_\_\_\_\_ runs or sales of oil; \_\_\_\_\_ M cu. ft. of gas sold;

\_\_\_\_\_ runs or sales of gasoline during the month. (Write "no" where applicable.)  
 NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE Utah  
LEASE NUMBER 013145  
UNIT Bridger Lake

Page 2 of 2 pages

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State Utah County Summit Field Bridger Lake

The following is a correct report of operations and production (including drilling and producing wells) for the month of December, 19 68, Fork A Lease

Agent's address Bx 2331 Company Phillips Petroleum Company  
Casper, Wyoming Signed J. P. DENNY

Phone 237-3791 Agent's title District Superintendent

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)
SW NW Sec. 36	3N	14E	8		Location.					
SE NW Sec. 24	3N	14E	9		Location.					
NW SE Sec. 14	3N	14E	10		TD 17,346. Attempting sidetrack hole w/Dynadrill at 17,346. Drilled with Diamond bit to 17,902, lost 6-1/2" diamond bit, 7 - 4-3/4" drill collars, bumper sub and body of hydraulic jars in hole, top of fish 17,676. Unable to fish with overshot. Washed over fish w/5-3/4" wash pipe and Diamond shoe 17,676 - 17,742. Wash pipe twisted off in threads, left 7 joints, 5-3/4" wash pipe and 6-1/4" diamond shoe in hole. Top of new fish at 17,544. Spotted 100 sacks cement plug at 17,544. Top cement plug 17,057. Attempted to sidetrack with Turbodrill and Dynadrill to 17,445, no cement at 17,445. Recemented, spotted 100 sacks cement with 15# 20-40 sand at 17,544. Drilled soft cement to slightly firm 17,238-470, spotted 100 sacks cement with 15# sand/sack at 17,470. Drilled cement to 17,300. Attempted sidetrack hole with Dynadrill to 17,346. Will run whipstock..					

NOTE.—There were \_\_\_\_\_ runs or sales of oil; \_\_\_\_\_ M cu. ft. of gas sold;

\_\_\_\_\_ runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE Utah  
LEASE NUMBER 013145  
UNIT Bridger Lake

Page 2 of 2 pages

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State Utah County Summit Field Bridger Lake  
 The following is a correct report of operations and production (including drilling and producing wells) for the month of January, 1969,  
 Agent's address Box 2331 Company Phillips Petroleum Company  
Casper, Wyoming Signed J. P. DENNY  
 Phone 237-3791 Agent's title District Superintendent

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)
SW NW Sec. 36	3N	14E	8		Location.					
SE NW Sec. 24	3N	14E	9		Location.					
NW SE Sec. 14	3N	14E	10		TD 17,910'. Preparing to run 5" liner to TD. Set whipstock 17,346, drilled off whipstock and drilled to 17,800. Ran Schlumberger Gamma Ray Sonic and Dual Induction Log. Drilled 6-1/2" hole to 17,910', ran Schlumberger Dual Induction and GR Sonic Log 17,908-17,200.					

NOTE.—There were \_\_\_\_\_ runs or sales of oil; \_\_\_\_\_ M cu. ft. of gas sold;

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE Utah  
LEASE NUMBER 013145  
UNIT Bridger Lake

Page 2 of 2 pages

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Summit Field Bridger Lake

The following is a correct report of operations and production (including drilling and producing wells) for the month of February, 1969, Fork A Lease

Agent's address Box 2331 Company Phillips Petroleum Company

Casper, Wyoming Signed J. P. Genny

Phone 237-3791 Agent's title District Superintendent

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)
SW NW Sec. 36	3N	14E	8		Location.					
SE NW Sec. 24	3N	14E	9		Location.					
NW SE Sec. 14	3N	14E	10		PTD 15684. Preparing to complete in Dakota, tearing down rotary. at TD 17910. Ran 5-1/2" liner, set top liner 15704, bottom liner 17904, cemented with 357 sx Type G Cement, 10% Diacel D, 20% SSA-1, 3/10 of 1% LWL. Pumped plug 17693, 2-4-69. Reversed out 50 sx good cement 15607. Drld out cmt and plug 17857. Tested 5" liner to 3000 psi, 30 min, held OK. Tested tie back sleeve at 8564 to 3000 psi, 30 min, OK. Ran GR-N Log 17845-14900, CHL 17846-15550, good bond throughout. Perf Nugget Zone with 2 jets/ft. 17734-754, 17762-782, 17804-818. Set packer at 17716. Ran tubing, drill pipe and seal assembly. Swabbed 14-1/4 hrs, recovered 156 bbls. water, no show oil, very slight show gas while swabbing. Shut in 12 hrs fluid level 2500' from surface. Squeeze cemented perfs with 35 sx cement, 1/2 of 1% LWL, Max. and holding pressure 7000 pai, reversed out 60 sx cement leaving 20' of cement on top of packer. Perforated with 2 jets/ft. 17642-650, 17610-62 and 17578-598, set packer at 17230. Swabbed 7-1/2 hrs, recovered 121 bbls. load water and 44 bbls. formation water. Shut-in 12 hrs, fluid level 3200 ft. Swabbed 60 bbls. water 3-1/2 hrs, fluid level 5000 ft. Spotted cement, set in packer, squeezed w/ 100 sx at 4100 psi. Reversed out 5 sx cement. Drilled cement to 17525. Perforated liner with 2 jets/ft. 17466-478, 17486-494, set Baker Model D Packer at 15758. Swabbed load water, no fluid coming in hole. Shut in 12 hrs, FL 15250. Attempted pump into formation at 7500 psi, held at 6000 psi, 4 hrs. Spotted 75 sx cement plug 15758-15573, reversed out 25 sx cement. Drilled out cement plug to 15,684.					

Note.—There were \_\_\_\_\_ runs or sales of oil; \_\_\_\_\_ M cu. ft. of gas sold;

\_\_\_\_\_ runs or sales of gasoline during the month. (Write "no" where applicable.)

Note.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE Utah  
LEASE NUMBER 013145  
UNIT Bridger Lake

Page 3 of 3 pages

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State Utah County Summit Field Bridger Lake  
 The following is a correct report of operations and production (including drilling and producing wells) for the month of March, 1969, Fork A Lease  
 Agent's address Box 2331 Company Phillips Petroleum Company  
Casper, Wyoming Original Signed By: J. P. DENNY  
 Signed J. P. DENNY  
 Phone 237-3791 Agent's title District Superintendent

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)
SE SW Sec. 19	12N	114W	11							Drilling at 185 in conglomerate. Drilling 17-1/2" hole. Spudded 8:00 PM, 3-30-69.

NOTE.—There were \_\_\_\_\_ runs or sales of oil; \_\_\_\_\_ M cu. ft. of gas sold;

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE Utah  
LEASE NUMBER 013145  
UNIT Bridger Lake

Page 2 of 3 pages

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Summit Field Bridger Lake

The following is a correct report of operations and production (including drilling and producing wells) for the month of March, 19 69, Fork A Lease

Agent's address Box 2331 Company Phillips Petroleum Company  
Casper, Wyoming Original Signed By: J. P. DENNY  
Signed J. P. DENNY

Phone 237-3791 Agent's title District Superintendent

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)
SW NW Sec. 36	3N	14E	8		Location.					
SE NW Sec. 24	3N	14E	9		Location.					
NW SE Sec. 14	3N	14E	10		PTD 15,684. Moved out rotary. Moved in Well Service Unit, ran 3-1/2" tubing, packer & bridge plug, set bridge plug at 15,381, set RTTS packer at 15,296. Displaced mud with water, perforated with 4 jets/ft. 15,337-48 & 15,266-74. Swabbed, had communication with annulus, reset circulating sleeve and pressure tested to 700 psi. Swabbed 26 hrs, recovered 18 bbl. oil, 136 bbl. water. Halliburton oil-acid squeezed perfs. 15,337-48 with 5000 gal crude, 54 gal FE 1A, 25 gal Hyflo, IP 6600 psi, maximum pressure 7800 psi at 1 BPM at end of job. Avg. pmpg. rate 1-1/2 BPM. ISIP 7600 psi, 6800 psi in 15 min. 251 bbl. load oil to recover. Swabbed 24 hrs, rec 266 bbl. oil (15 bbl. above load). Swbg fluid level 9500. Swabbed 6 hrs., recovered 41 bbl. oil, swabbing F.L. 7500. Ran BHP bomb to 15,250. 36 hr. BHP 3950 psi and increasing. Total 44 hrs. shut in. BHT 234 deg. F. Reset bridge plug at 15,301, packer at 15,231 to test perfs. 15,266-274. Displaced tubing with 132 bbl. water. Swabbed 14 hrs., recovered 132 BLO and 42 bbl. oil. Halliburton OSA squeezed with 5000 gal crude, 54 gal FE-1A, 25 gal Hyflo, avg. inj. rate 1 BPM 8500 psi. Drop to 6900 psi in 15 min, 4000 psi in 4 hrs. 253 bbl. load oil to recover. Will swab test.					

NOTE.—There were \_\_\_\_\_ runs or sales of oil; \_\_\_\_\_ M cu. ft. of gas sold;

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE Utah  
LEASE NUMBER 013145  
UNIT Bridger Lake

Page 2 of 3 pages

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Summit Field Bridger Lake  
The following is a correct report of operations and production (including drilling and producing wells) for the month of April, 19 69,  
Agent's address Box 2331 Company Phillips Petroleum Company  
Casper, Wyoming Signed J. P. DENNY  
Phone 237-3791 Agent's title District Superintendent

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)
SW NW Sec. 36	3N	14E	8		Location.					
SE NW Sec. 24	3N	14E	9		Location.					
NW SE Sec. 14	3N	14E	10		PTD 15,684.					Circulating lines preparing install Kobe Pump. Swbd 15 hrs recovered 172 bbl. load oil. Ran BHP bomb to 15,150. Shut in 48-1/2 hrs, COOH with bomb. BHP perfs 15,261-69, BHP 3881 and increasing. Perforated Dakota 15,616-640 and 15,569-586. Ran 3-1/2" tubing and RTS packer, set 15,233. Swabbed 135 bbl. load water, 15 bbl. gas cut oil, started flwg. Flowed 119 bbl. oil, 3 hrs on 3/4" choke. Connected to battery, flowed 160 BO, 12 hrs 20/64" choke, 200 psi. Killed well with 200 bbl. water, reset packer at 15,233. Swabbed in, flowed 419 bbls. oil, 94 bbl. wtr, 24 hrs, 3/4" choke, FTP 190 psi. Oil squeezed with 10,000 gal lease crude, 108 gal FE-1A, 50 gal Hyflo, used 160 sealer balls spaced 4 balls/6 bbl. crude, min press. 6800, max. press. 8600 psi. Swabbed back load oil, recovered 37 bbl. net above load. Ran BHP bomb to 15,150. Field Calculation BHP 4956 psi. Killed well with water. Ran 3-1/2" tubing and Kobe pump cavity set in Baker Model F Packer at 15,215.

NOTE.—There were \_\_\_\_\_ runs or sales of oil; \_\_\_\_\_ M cu. ft. of gas sold;

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

RECTED REPORT

Form 9-330 (Rev. 5-63)

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

Form approved. Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

1a. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] DRY [ ] Other [ ]

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

2. NAME OF OPERATOR: Phillips Petroleum Company

3. ADDRESS OF OPERATOR: P. O. Box 2331, Casper, Wyoming

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\* At surface 1623' FSL & 1686' FSL, NW SE

At top prod. interval reported below At total depth

14. PERMIT NO. DATE ISSUED

API NO. 43-043-30001

15. DATE SPUNDED 5-3-68 16. DATE T.D. REACHED 2-4-69 17. DATE COMPL. (Ready to prod.) 4-7-69 18. ELEVATIONS (DF, RKB, RT, SE, ETC.)\* 9040.5 RKB

20. TOTAL DEPTH, MD & TVD 17910 21. PLUG, BACK T.D., MD & TVD 15684 22. IF MULTIPLE COMPL., HOW MANY\* Single 23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS 0 - TD

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* 15328 - 15663 Dakota 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN DI & CR Sonic, CBL 27. WAS WELL CORED Yes

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

Table with columns: CASING SIZE, WEIGHT, LB./FT., DEPTH SET (MD), HOLE SIZE, CEMENTING RECORD, AMOUNT PULLED. Includes entries for 24", 16", 10-3/4", and 7-5/8" casing sizes.

29. LINER RECORD Table with columns: SIZE, TOP (MD), BOTTOM (MD), SACKS CEMENT\*, SCREEN (MD), SIZE, DEPTH SET (MD), PACKER SET (MD). Includes entry for 5" liner.

31. PERFORATION RECORD (Interval, size and number): 15348-15337 - 4 DP Jet Shots/Ft. 15274-15266 - 4 DP Jet Shots/Ft. 15586-15569 - 4 DF Jet Shots/Ft. 15640-15616 - 4 DP Jet Shots/Ft.

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

33.\* PRODUCTION

DATE FIRST PRODUCTION 4-7-69 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Kobe Hydraulic Pump 3"x2-1/8"x1-3/4" TYPE "B" WELL STATUS (Producing or shut-in) Producing

DATE OF TEST 5-18-69 HOURS TESTED 24 CHOKE SIZE PROD'N. FOR TEST PERIOD OIL—BBL. 284 GAS—MCF. NR WATER—BBL. 151 GAS-OIL RATIO 1146

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

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Used For Lease Fuel TEST WITNESSED BY A. L. Michaelis

35. LIST OF ATTACHMENTS Item 32

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records Original Signed By: SIGNED J. P. DENNY TITLE District Superintendent DATE June 17, 1969

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

# INSTRUCTIONS

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

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

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

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

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

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

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

JUN 20 1968

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	GEOLOGIC MARKERS
			<p><b>37. SUMMARY OF POROUS ZONES:</b> SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES</p>		
			<p><u>Core No. 1 - Int. 52' - Rec 52' (17416-17468)</u> 52'-Shaley lm, Shaley Dolo &amp; Oolitic lm, MS.</p>	<u>LOG TOPS</u>	
			<p><u>Core No. 2 - Int. 52' - Rec 31' (17466-17618)</u> 31'-Sd, fn gr, lite tan, friable, vr little fracturing, trace of oil in parts.</p>	<p>Ft. Union Mesa Verde Hilliard Frontier Money Money SS Dakota Morrison Stump Preuses Twin Creek Nugget</p>	<p>8235 11045 12730 14918 15040 15260 15328 15663 16450 16553 16695 17509</p>
			<p><u>Core No. 3 - Int. 23' - Rec 17' (17623-17646)</u> 17'-Sd, med to fine gr, hard &amp; tite, frag in part, MS.</p>		

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION  
348 EAST SOUTH TEMPLE  
SUITE 301  
SALT LAKE CITY, UTAH

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number: Fork "A" #10

Operator Phillips Petroleum Company Address P. O. Box 2331  
Casper, Wyoming 82601 Phone 307-237-3791

Contractor Brinkerhoff Drlg Company Address 870 Denver Club Bldg  
Denver, Colo. 80202 Phone 303-222-9733

Location 1/4 SE 1/4 Sec. 14 T. 3 N R. 14 E Summit County, Utah.  
S W

Water Sands: No fresh water sands encountered

<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
<u>From</u>	<u>To</u>	<u>Flow Rate or Head</u>	<u>Fresh or Salty</u>
1.			
2.			
3.			
4.			
5.			

(Continued on reverse side if necessary)

<u>Formation Tops:</u>	<u>Ft. Union</u>	<u>8235</u>	<u>Dakota</u>	<u>15328</u>
	<u>Mesa Verde</u>	<u>11045</u>	<u>Morrison</u>	<u>15663</u>
	<u>Hilliard</u>	<u>12730</u>	<u>Stump</u>	<u>16450</u>
	<u>Frontier</u>	<u>14918</u>	<u>Preuess</u>	<u>16553</u>
	<u>Mowry</u>	<u>15040</u>	<u>Twin Creek</u>	<u>16695</u>
	<u>Mowry SS</u>	<u>15260</u>	<u>Nugget</u>	<u>17509</u>

Remarks:

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



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

Utah 013147

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

Bridger Lake

8. FARM OR LEASE NAME

Park "A"

9. WELL NO.

10

10. FIELD AND POOL, OR WILDCAT

Bridger Lake

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

Sec. 14-T3N-R14E

12. COUNTY OR PARISH

Summit

13. STATE

Utah

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
Phillips Petroleum Company

3. ADDRESS OF OPERATOR  
P. O. Box 2920, Casper, Wyoming 82601

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

1623' FSL & 1686' FSL, NW SE

API #43-043-30001

14. PERMIT NO.

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

9040.5 RMB

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 COMPLETION

FRACTURE TREATMENT

ALTERING CASING

~~ACIDIZE~~ ACIDIZE

ABANDON\*

SHOOTING OR ACIDIZING

ABANDONMENT\*

REPAIR WELL

CHANGE PLANS

(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.)\*

ETD 15,684'

It is proposed to pull tubing, remove Kobe pump cavity, run tubing with retrievable packer, mill-over tool, mill-over and remove packer set at 15,215, run tools to TD. Run retrievable bridge plug with RTES Packer. Set BP at 15,660' and packer at 15,500'. Swab test perforations from 15,586-15,569. Reset BP at 15,595 and packer at 15,500'. Swab test perforations 15,640-15,616. Reset Bridge Plug at 15,380; packer at 15,230, swab test perforations 15,274-15,266. Reset Bridge Plug at 15,670 and packer at 15,540 to treat perforation 15,274-15,266 and 15,348-15,337. Swab test and acidize with 8000 gals OSA mixed with 55 gals of LP-55 and RGN Balls and 500 gals 15% HCL. Swab test, raise packer and BP, set BP at 15,375, packer at 15,260 and treat perforations 15,274-15,266 and 15,348-15,337 with 4000 gals OSA mixed with 55 gals LP-55 and RGN Balls, 500 gals 15% HCL Acid and 2000 gals HF Acid. Swab test, rerun Kobe equipment and place on pump.

Present Production - 50 BOPD, 282 MFPD, Pumping with Kobe Pump.

APPROVED BY DIVISION OF OIL & GAS CONSERVATION

DATE 8-22-72

BY C.B. Feighly

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

SIGNED Original Signed By:

F. C. Morgan

TITLE Production Superintendent

DATE August 14, 1972

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

- 3 - USGS, Salt Lake City, Utah
- 2 - State, Salt Lake City, Utah
- 1 - File

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

Utah 013147

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

Bridger Lake

8. FARM OR LEASE NAME

Fork "A"

9. WELL NO.

no 10

10. FIELD AND POOL, OR WILDCAT

Bridger Lake

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

Sec 14-3N-14E

12. COUNTY OR PARISH 13. STATE

Summit

Utah

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
Phillips Petroleum Company

3. ADDRESS OF OPERATOR  
Box 2920 Casper, Wyoming 82601

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

1623' FEL & 1686' FSL, NW, SE

API No. 43-043-30001

14. PERMIT NO.

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

9040.5 RKB

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

Check Communications & Acidize X

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

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

See Attached

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

SIGNED F. C. MORGAN  
F. C. Morgan

TITLE Risk Production Supt.

DATE 10-23-72

(This space for Federal or State office use)

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

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

3 - USGS

2 - Utah O&G CC, Salt Lake City, Utah

1 - File

\*See Instructions on Reverse Side

Attachment to Form 9-331, dated 10-23-72 Fork "A" No. 10, Sec 14-3N-14E Summit County, Utah - Check Communications & acidize.

8-23-72 through 9-24-72 PTD 15,684

Pulled standing valve & tbg, removed Kobe pump cavity. Ran tbg w/ ~~in~~ retrievable packer mill-over tool, mill over & remove packer set at 15,215. Scrapped Csg. Ran RTTS packer & retrievable bridge plug. Set BP at 15,660, RTTS packer at 15590 to test "A" Zone perms. 15,616 - 15,640. Swab tested 135 BW in 10 hrs, very slight trace oil, no gas, SDON FL 2000', TP 0#, next AM.

Released RTTS packer at 15,590 & reset at 15,601. Pressured tbg to 1200#, no returns from casing. Swabbed 129 BW in 9-1/2 hrs, tr. oil, no gas. FL 7000' SDON. TP 50#, CP 9# FL 1900 next AM. Swabbed 10 hrs., recovered 120 BW w/ trace oil & gas, FL 5500', rising 300 to 400' between runs. SDON TP 50#, CP 0#, FL 1900 next AM. Swabbed 2 BO, 158 bbls gas cut water in 12 hrs. FL 8200. SDON, TP 50#, resistivity of "A" Zone wtr. 0.608 at 78 deg.

Ran Marshall Wireline to 15,400' for BHP "A" Zone. BHP 5352. 2 hr Pressure 5398. Reset BP at 15601, Packer at 15591. Tstd BP to 1000# OK. Reset RTTS Packer at 15529 to test "C" zone perms. 15,569-15,586. Swabbed to 2000' recovered 17 BLW. Ran Marshall Wireline to 15,400 for BHP "C" Zone - BHP 5496, 2 hr. pressure 5548. Swabbed "C" zone 1 hr recovered 22 BLW, FL 4200, SI 12 hrs. TP 50#, Swabbed 6 hrs. recovered 66 BW, FL2500 - 9200 SI 19 hrs. TP 20#, CP 0#. SI 24 hrs. - after 43 hrs SITP 25#, CP 0#, FL 2500'. TP 40# CP 0# FL 3000' aft r SDON. Swabbed 10 hrs. recovered 132 BF, est 50 BO, sli. oil & Gas cut. FL 7000'. Swabbed 4 hrs. FL 3000 - 10,000', recovered 5 BO, 129 BW sli. gas cut after 5 hrs. swabbing with FL at 10000'. SD 1 hr - FL 75008. FL rose to 7000' after 4 hrs. swabbing. SDON - 13 hrs TP 25#. Pulled tbg, Pkr & BP - Cups bad on BP indicating it had not been holding. BHP indicated "A" and "C" zones communicated.

Set BP at 15529, RTTS packer at 15,157 to test Mowry & New Zone perms. 15,266-15,274 and 15,337-15348. SDON. FL 300, TP 0#, next AM. Swabbed 2-1/2 hrs. recovered 25 BLW, FL 300-3200'. TP 10# Csg full FL 8800 after SDON. Swabbed 11 hrs. rec. 94 BW w/ tr. oil med gas cut. Swabbed to 13,800' let set 1 hr. - Fluid started rising while in hole w/ swab. Pulled swab & reran - hit fluid at 9600'. Continued swabbing, recovered heavy gas cut water w/ approx. 10% oil. Net recovery to date from Mowry & New Zone Perfs. 129 BF, TP 30#, Csg full, FL 2500' after SDON. Swabbed from 2500 to 5000' in 2 hrs. Found BP leaking - Swabbed 61 BF, fluid rec. from mowrey & New sand 325 BF w/ tr. oil.

COOH w/ tbg. RTTS packer & BP. Ran RA tracer survey 15,630-15,200. Injection rate 1/2 BWPM at 1200 to 1700#. Mowrey Sand Perfs. 15,266-15,274 and New Zone perms. 15337-15348. took no fluid. "C" zone 15,569-15,586 took 20% of total fluid "A" zone 15,616-15,640 took 80% of total fluid. No evidence of channeling behind csg in any zone.

Set BP at 15,601, Packer at 15,529'. Swabbed "C" zone to 7500'. 3-1/4 hrs. rec. 73 bbls sl. gas cut wtr. - tr. oil. FL 4500 TP & CP - vacuum after SDON. Swabbed to 10000 recovered 73 BW sl. gas cut w/ tr. oil. TP 80#, FL 7475 after SDON. Pumped into "C" Zone w/ 11 BW at 3-1/4 BPM at 4900#. Acidized "C" Zone w/ 4000 gal OSA acid plus 55 gal. LP 55, 500 gal. 15% HCL plus 5 gal. HYFLO, 1 bbl. wtr. spacer, 2000 gal. HF acid plus 20 gal. Hyflo - Job completed 9-16-72. Set Baker Model F Pkr at 15,200, CBL meas. Placed on Kobe pump 9-24-72.

Production Before - 98 BOPD, 219 BWPD Pumping.

Production After: 199 BOPD, 288 BWPD Pumping.

ATTACHMENT

ITEM NO. 32 - TREATING REPORT

- March 22-24, 1969 - Halliburton oil acid sqz as follows: 5,000 gal crude, 54 gal FE-1A, 25 gal Hyflo sqzd perfs 15337-348, IP 6600#, pump rate 1-1/2 BPM, max press 7800# at 1 BPM at end of job. ISIP 7600#, 15 min 6800#, avg press and inj rate 7600# at 1 BPM.
- March 29-31, 1969 - Halliburton oil sqzd perfs 15266-274 w/5,000 gal crude, 54 gal FE-1A, 25 gal Hyflo, avg inj rate 1 BPM at 8200#, press drop from 8500# to 6900# in 15 min. 254 BLO to rec. SD 4 hrs, SITP 4000 psi.
- April 18, 1969 - Halliburton killed well w/80 BO and oil sqzd perfs 15266-640 as follows: Pumped in 10,000 gal lse crude mixed w/108 gal FE-1A, 50 gal Hyflo, w/160 balls spaced 4 balls per 6 bbls crude, initial press when pump into form 6800 psi at 9-1/2 BPM, increased to 8600 psi at end of treatment. No change in press when balls hit perfs. ISIP 5400 psi, 30 min 1100 psi. SI 16 hrs, TP this AM 20 psi.

Ru

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIP DATE\*  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1424.  
5. LEASE DESIGNATION AND SERIAL NO.

Utah 013147

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR

Phillips Petroleum Company

3. ADDRESS OF OPERATOR

P. O. Box 2920, Casper, Wyoming 82601

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

1623' FEL and 1686' FSL, NW SE  
API #43-043-30001

14. PERMIT NO.

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

9040.5 RKB

7. UNIT AGREEMENT NAME

Bridger Lake

8. FARM OR LEASE NAME

Fork "A"

9. WELL NO.

10

10. FIELD AND POOL, OR WILDCAT

Bridger Lake

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

Sec. 14-T3N-R14E

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) \_\_\_\_\_

(Other) **Perforate Additional Zone**

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

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

It is proposed to perforate an additional zone at 15,600 feet to 15,610 feet.  
No surface disturbances are planned.

APPROVED BY THE DIVISION OF  
OIL, GAS, AND MINING

DATE: 7-5-79

BY: M.J. Minder

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

SIGNED D. J. Fisher

TITLE Operations Superintendent

DATE June 25, 1979

(This space for Federal or State office use)

Original Signed By:

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

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

- 3 - USGS, Salt Lake City, Utah
- 2 - State, Salt Lake City, Utah
- 1 - File

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN 1. ICATE\*  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

Utah 013147

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

Bridger Lake

8. FARM OR LEASE NAME

Fork "A"

9. WELL NO.

10

10. FIELD AND POOL, OR WILDCAT

Bridger Lake

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

Sec. 14-T3N-R14E

12. COUNTY OR PARISH 13. STATE

Summit

Utah

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR

Phillips Petroleum Company

3. ADDRESS OF OPERATOR

P. O. Box 2920, Casper, Wyoming 82601

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

1623' FEL and 1686' FSL, NW SE  
API #43-043-30001

14. PERMIT NO.

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

9040.5 RKB

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) \_\_\_\_\_

(Other) Perforate Additional Zone

(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.)\*

SUPPLEMENTAL INFORMATION TO FORM 9-331 SUBMITTED ON 6/25/79.

Reverse pump out of tubing.

Rig up wireline and lubricator on existing well pad and pull standing valve.

Rig up perforator and pressure test lubricator.

Correlate with present perforations.

Perforate thru tubing, 10 feet of "B" zone 4SPF. 15600' to 15610'.

Rig down, replace standing valve and pump, put well on test.

NO SURFACE DISTURBANCES ARE ANTICIPATED.

APPROVED BY THE DIVISION OF  
OIL, GAS, AND MINING

DATE: Aug. 16, 1979

BY: *P. B. Hammaker*

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

SIGNED *P. B. Hammaker*  
P. B. Hammaker

TITLE Dist. Engineering Director DATE July 13, 1979

(This space for Federal or State office use)

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

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

3 - USGS, Salt Lake City, Utah  
2 - State, Salt Lake City, Utah

\*See Instructions on Reverse Side

1 - File

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

Utah 013147

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Bridger Lake

8. FARM OR LEASE NAME

Fork "A"

9. WELL NO.

10

10. FIELD AND POOL, OR WILDCAT

Bridger Lake

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

Sec. 14-T3N-R14E

12. COUNTY OR PARISH 13. STATE

Summit

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
Phillips Petroleum Company

3. ADDRESS OF OPERATOR  
P. O. Box 2920, Casper, Wyoming 82602

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

1623' FEL & 1686' FEL, NW SE

14. PERMIT NO.  
43-043-30001

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
9040' RKB

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)  Perforate 10' of "B" Zone  
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.)\*

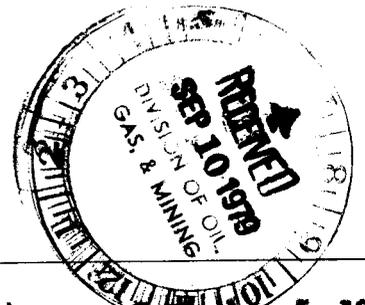
July 19, 1979 through August 1, 1979

PBD 15684'.

HU Otis 7/19/79. Pulled standing valve. HU Schlumberger. WHH w/2-1/8" steel carrier perforating gun. Checked collars and perforated from 15600-15610' FDC, 4 HPP. Dropped new standing valve. Circulated hole w/oil. Dropped pump. Well on test at 12:30 pm, 7/20/79. Tested well for 13 days. All load recovered. Returned to a Pumping Oil Well from Dakota Perforations 15266-274', 15337-348', 15569-586', 15600-610' and 15616-640'. 3 x 2-1/2 x 1-1/2 Kobe Pump, 46 SPM, TP 1375 psi.

Production Before - 52 BOPD, 110 MCFGPD, 120 BWPD

Production After - 72 BOPD, 100 MCFGPD, 194 BWPD



Original Signed By:

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

D. J. FISHER

SIGNED D. J. Fisher

TITLE Operations Superintendent

DATE September 5, 1979

(This space for Federal or State office use)

APPROVED BY  
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

- 3 - USGS, Salt Lake City, Utah
- 2 - Utah O&G CC, Salt Lake City, Utah
- 1 - File

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

(Other instructions on reverse side)

LEASE DESIGNATION AND SERIAL NO.  
Utah 013147

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. Utah 013147	
2. NAME OF OPERATOR Phillips Petroleum Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A	
3. ADDRESS OF OPERATOR P.O. Box 2920, Casper, WY 82602		7. UNIT AGREEMENT NAME Bridger Lake Unit	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1623' FEL and 1686' FSL (NW-SE)		8. FARM OR LEASE NAME Fork A	
14. PERMIT NO. 43-043-30001		9. WELL NO. 10	
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 9040 ft. RKB		10. FIELD AND POOL, OR WILDCAT Bridger Lake Field	
		11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA Sec. 14-T3N-R14E	
		12. COUNTY OR PARISH Summit	13. STATE Utah

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

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

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

It is intended to perforate and acidize the D-Zone and E-Zone of the Dakota formation and test for commercial production. If non-productive, the zones will be squeeze cemented. If commercial the zones will be comingled with the currently productive A, B, C, & H-Zones and Mowry Sand Intervals. No additional surface disturbance is anticipated.

It is possible that a temporary pit will be constructed on previously disturbed location. However, pit would be emptied and backfilled upon completion of work.

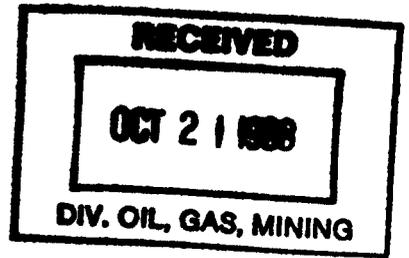
The well is currently comingled and producing from the Dakota perms, 15,616-640, 15600-610, 15,569-586, 15,337-348 and Mowry Sand, 15,266-274.

RECEIVED  
OCT 29 1986  
DIVISION OF  
OIL, GAS & MINING

3-BLM-Salt Lake City, Utah  
2-Utah O&G CC, Salt Lake City, Utah  
1-File

18. I hereby certify that the foregoing is true and correct  
SIGNED D. C. Gill TITLE Area Manager DATE Oct. 24, 1986

(This space for Federal or State office use)  
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ ACCEPTED BY THE STATE  
CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_ OF UTAH DIVISION OF  
FEDERAL approval of this action OIL, GAS, AND MINING  
is required before commencing operations DATE: 10-31-86  
\*See Instructions on Reverse Side BY: [Signature]  
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



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

-----oo0oo-----

In the Matter of the Request	:	
for Agency Action of Phillips	:	
Petroleum Company for	:	
an Aquifer Exemption and also	:	Docket No. <u>88-024</u>
for Authorization of the	:	
Conversion to a Water	:	Cause No. <u>WD-104</u>
Disposal Well for the Fork A	:	
No. 10 Well, Section 14,	:	
Township 3 North, Range 14	:	
East, S.L.M., Summit County,	:	
Utah	:	

-----oo0oo-----

Applicant, Phillips Petroleum Company ("Phillips"), duly authorized to do business in the State of Utah, hereby submits this Request for Agency Action for the authorization of the conversion of the Fork A No. 10 Well located in Section 14, Township 3 North, Range 14 East, S.L.M., in Summit County, Utah (the "Well"), into a water disposal well and the granting of an aquifer exemption for the Dakota and Mowry formations in the Well, pursuant to Rules R615-5-3 and R615-5-4 of the Department of Natural Resources, Oil and Gas Conservation General Rules, and pursuant to §40-6-5, Utah Code Annotated, 1953, as amended. in support of said Request for Agency Action, Phillips submits the following:

1. Phillips is the operator of the federally administered Bridger Lake Unit located in Summit County, Utah, said unit land generally being located in Township 3 North, Range 14 East, S.L.M., bordered on the North by the Utah-Wyoming state line.

2. Sun Exploration and Production Company ("Sun") is the operator of the federally administered Luckey Ditch Unit located in Uinta County, Wyoming, said unit lands generally being located in Township 12 North, Range 114 West, 6th P.M., bordered on the South by the Utah-Wyoming state line.

3. Pursuant to R615-5-3, Phillips filed an application for approval of the Fork A No. 10 Well as an injection well on October 21, 1988. The State of Utah,

Department of Natural Resources, Board of Oil, Gas and Mining, requires that an aquifer exemption be granted pursuant to R615-5-4 in connection with the application.

4. Phillips is currently producing an average of 350 barrels of water per day from the Utah Dakota formation in the Bridger Lake field, Summit County, Utah. Presently, this water is being trucked to a disposal pit owned by D&B Service. The expense of trucking water produced from the Bridger Lake Field significantly adds to the production costs to produce oil from the Bridger Lake field, therefore, Phillips desires to convert the Well from being currently shut-in to a water disposal well.

5. The surface and bottom hole locations of the Well are each located 1623 feet West of the Eastline and 1686 feet North of the South line of Section 14, Township 3 North, Range 14 East, S.L.M., Summit County, Utah. Attached to this Application as Exhibit "A" is a map showing the location of the Well and the surrounding properties.

6. The water to be injected into the Well will be produced from the Dakota formation in the Bridger Lake Unit. The total estimated daily average injection rate would be 750 BWPD. The maximum anticipated injection rate is 2,000 BWPD depending upon the need for such use of the Well. The initial injection pressure is expected to be 1,000 psi. Maximum injection pressure should not exceed 3,000 psi. The injection interval in the well would be from 15,244 feet to 15,618 feet below the surface of the earth.

7. Equipment for handling the water injected is installed at the Fork A Tank Battery #2, located in Section 23, Township 3 North, Range 14 East, S.L.M., Summit County, Utah. This includes a water tank, an injection pump and metering equipment. Electric power exists at the tank battery. All water will be chemically treated if necessary prior to being injected. The tubing and annulus pressures and metered volumes will be monitored on a daily basis. The Well will be used strictly as a disposal well and will not be used for secondary recovery in the Bridger Lake Unit. A casing test will be performed on the Well prior to disposal of any water into the Well.

8. Phillips plans to transport water to the disposal Well by pipeline from wells in the Bridger Lake Unit.

9. The intended source aquifers do not currently serve as sources of drinking water. The aquifers cannot now and will not in the future serve as sources of drinking water because the aquifers are situated at a depths and locations that makes recovery of water for drinking water purposes economically or technologically impractical.

10. The named corporations and individuals set forth on Schedule "1," attached hereto, constitute all lease operators, owners and surface owners within a one-half ( $\frac{1}{2}$ ) mile radius of the above described proposed injection Well.

11. The granting of the aquifer exemption and the conversion of the Fork A No. 10 Well to a water disposal well will lower the cost of production of oil and gas from the Bridger Lake Unit, will enhance the recovery of oil and gas in the Luckey Ditch Unit and in the Bridger Lake Unit, is in the public interest, promotes conservation, increases ultimate recovery and prevents waste of oil and/or gas.

WHEREFORE, Applicant prays for relief as follows:

1. For a hearing on December 1, 1988, to consider Applicant's request for approval of the aquifer exemption for the Dakota and Mowry formation in Fork A No. 10 Well and for authorization of the conversion of the Fork A No. 10 Well into a water disposal well.

2. For a final order granting the aquifer exemption and approving the conversion of the Well as being in the public interest in that it promotes conservation, increases ultimate recovery and prevents waste of oil and/or gas.

3. For such other and further action as the Board of Oil, Gas and Mining deems appropriate.

DATED this 21 day of October, 1988.

Very Truly Yours,

RAY, QUINNEY & NEBEKER



Alan A. Enke  
Attorney for Applicant,  
Phillips Petroleum Company

PHILLIPS PETROLEUM COMPANY  
8055 E. Tufts Avenue Parkway  
Denver, Colorado 80237

SCHEDULE "1"

The following lands within the areas listed below with their respective mineral interest and working interest owners, lie within a ½ mile radius of either the surface location or the bottom hole location for the Fork A No. 10 Well:

<u>Description</u>	<u>Mineral Owners</u>	<u>Working Interest Owners</u>
1. <u>T12N, R115W, 6th P.M.</u> Sec. 24: S½ Sec. 25 Uinta County, Wyoming	U.S.A.*	Phillips Petroleum Co. 8055 E. Tufts Ave. Pkwy. Denver, CO 80237-2898
2. <u>T12N, R114W, 6th P.M.</u> Sec. 30: Lot 4 Uinta County, Wyoming	U.S.A.*	Phillips Petroleum Co. 8055 E. Tufts Ave. Pkwy. Denver, CO 80237-2898
3. <u>T12N, R114W, 6th P.M.</u> Sec. 19: SW¼ Sec. 30: Lot 3 Uinta County, Wyoming	U.S.A.*	Sun Operating Limited Partnership Four North Park East 5656 Blackwell P.O. Box 2880 Dallas, TX 75221  Robert J. Hewitt One O'Connor Plaza Suite 1100 Victoria, TX 77901  General Atlantic Energy Corp. 410 17th Street Suite 1400 Denver, CO 80202  Fortune Oil Ltd. 1245 E. Brickyard Rd. Suite 30 Salt Lake City, UT 84106  Chieftain International, Ltd. 1201 Toronto Dominion Tower Edmonton Center Edmonton, Alberta Canada T5J 2Z1  Texaco Inc. P.O. Box 3360 Casper, Wy 82602

4. T3N, R14E, S.L.M.

Sec. 14

Sec. 13: W $\frac{1}{2}$

Sec. 23: N $\frac{1}{2}$

Sec. 24: NW $\frac{1}{4}$

Summit County, Utah

U.S.A.

Phillips Petroleum Co.  
8055 E. Tufts Ave. Pkwy.  
Denver, CO 80237-2898

\*Bureau of Land Management  
2515 Warren Ave.  
P.O. Box 1828  
Cheyenne, WY 82001

\*\*Bureau of Land Management  
324 South State Street  
Suite 301  
Salt Lake City, UT 84111-2303

SURFACE OWNERS

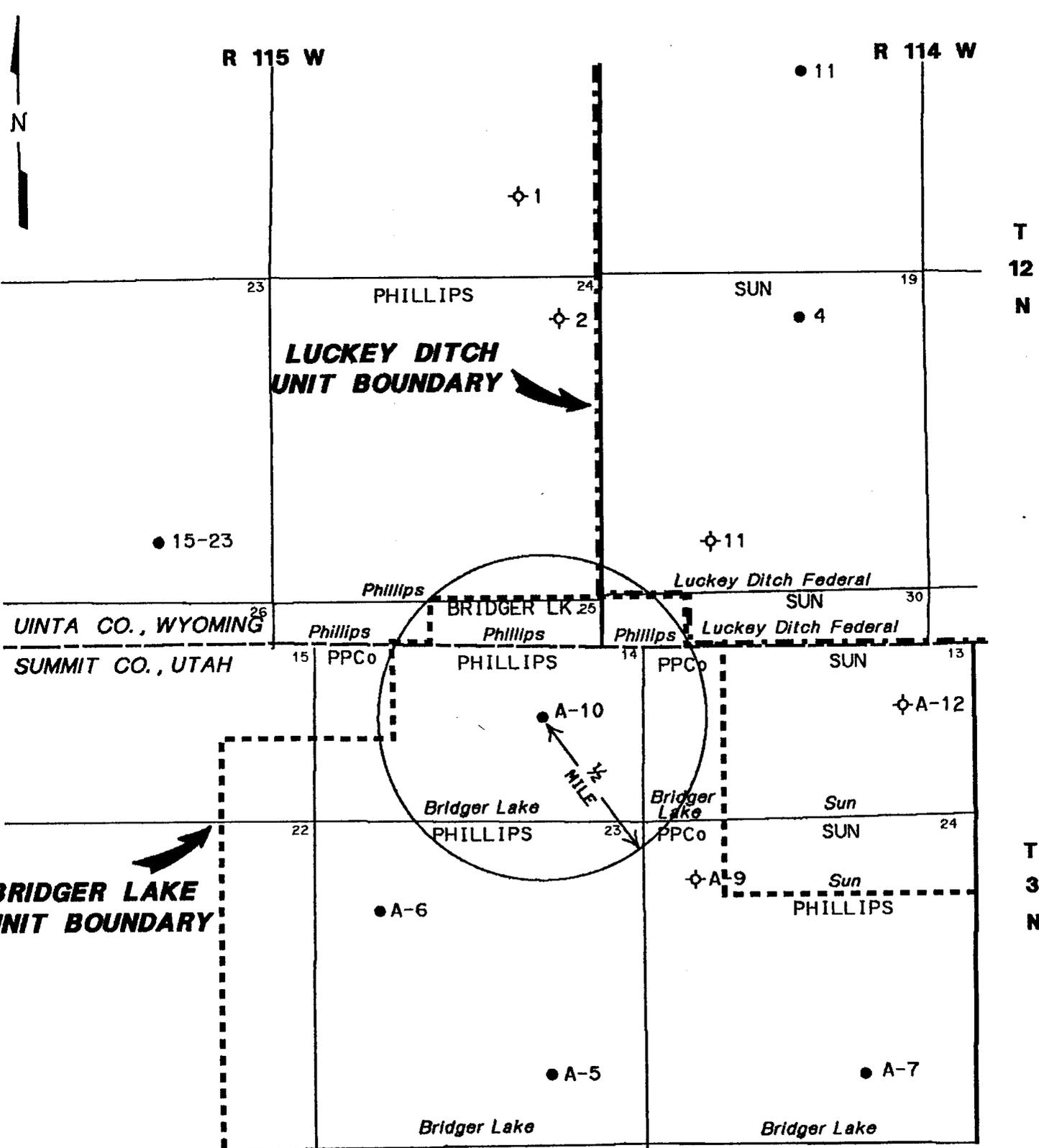
Bureau of Land Management  
2515 Warren Avenue  
P.O. Box 1828  
Cheyenne, WY 82001

United States Forest Service  
Kemmerer Ranger District  
P.O. Box 31  
Kemmerer, WY 83101

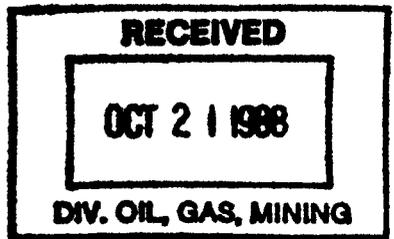
Bureau of Land Management  
324 South State Street  
Suite 301  
Salt Lake City, UT 84111-2303

001E

**EXHIBIT "A"**



		<b>PHILLIPS PETROLEUM COMPANY</b> <small>NORTHWESTERN REGION                  DENVER, COLORADO</small>	
		<b>FORK A                  BRIDGER LAKE UNIT                  SUMMIT CO., UTAH                  UINTA CO., WYOMING                  EXHIBIT "A"</b>	
0                      2,000                      4,000 <b>SCALE (FEET)</b>		INTERPRETATION BY: <b>S. MURPHY</b> DRAFTED BY: <b>ONT</b> DATE: <b>10-13-88</b> FILE NO.: <b>UTBRIDGER</b>	



APPLICATION FOR INJECTION WELL

Pursuant to R615-2, R615-3 and R615-4, Phillips Petroleum Company ("Phillips") hereby petitions the Board for an order granting the conversion to a water disposal well of the Fork A No. 10 Well located in Section 14, Township 3 North, Range 14 East, S.L.M., in Summit County, Utah. Contemporaneously herewith, Phillips has filed a Request for Agency Action with the Board pursuant to §40-6-5, Utah Code Annotated, 1953, as amended, a copy of which is attached hereto as Exhibit A. The formal hearing has been requested due to the fact that the injection interval can be classified as an USDW pursuant to R615-5-2(4), and this petition is made to satisfy administrative procedural requirements. Evidence will be submitted in connection with the Request for Agency Action to support the granting of the aquifer exemption and the well conversion.

DATED this 21st day of October, 1988.

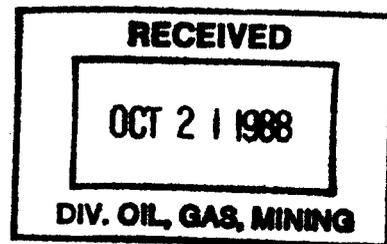
RAY, QUINNEY & NEBEKER

A handwritten signature in cursive script, appearing to read "Alan A. Enke".

Alan A. Enke  
Attorneys for Applicant,  
Phillips Petroleum Company

PHILLIPS PETROLEUM COMPANY  
8055 E. Tufts Avenue Parkway  
Denver, Colorado 80237

EXHIBIT "A"



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

-----oo0oo-----

In the Matter of the Request	:	
for Agency Action of Phillips	:	
Petroleum Company for	:	
an Aquifer Exemption and also	:	Docket No. _____
for Authorization of the	:	
Conversion to a Water	:	Cause No. _____
Disposal Well for the Fork A	:	
No. 10 Well, Section 14,	:	
Township 3 North, Range 14	:	
East, S.L.M., Summit County,	:	
Utah	:	

-----oo0oo-----

Applicant, Phillips Petroleum Company ("Phillips"), duly authorized to do business in the State of Utah, hereby submits this Request for Agency Action for the authorization of the conversion of the Fork A No. 10 Well located in Section 14, Township 3 North, Range 14 East, S.L.M., in Summit County, Utah (the "Well"), into a water disposal well and the granting of an aquifer exemption for the Dakota and Mowry formations in the Well, pursuant to Rules R615-5-3 and R615-5-4 of the Department of Natural Resources, Oil and Gas Conservation General Rules, and pursuant to §40-6-5, Utah Code Annotated, 1953, as amended. in support of said Request for Agency Action, Phillips submits the following:

1. Phillips is the operator of the federally administered Bridger Lake Unit located in Summit County, Utah, said unit land generally being located in Township 3 North, Range 14 East, S.L.M., bordered on the North by the Utah-Wyoming state line.

2. Sun Exploration and Production Company ("Sun") is the operator of the federally administered Luckey Ditch Unit located in Uinta County, Wyoming, said unit lands generally being located in Township 12 North, Range 114 West, 6th P.M., bordered on the South by the Utah-Wyoming state line.

3. Pursuant to R615-5-3, Phillips filed an application for approval of the Fork A No. 10 Well as an injection well on October 21, 1988. The State of Utah,

Department of Natural Resources, Board of Oil, Gas and Mining, requires that an aquifer exemption be granted pursuant to R615-5-4 in connection with the application.

4. Phillips is currently producing an average of 350 barrels of water per day from the Utah Dakota formation in the Bridger Lake field, Summit County, Utah. Presently, this water is being trucked to a disposal pit owned by D&B Service. The expense of trucking water produced from the Bridger Lake Field significantly adds to the production costs to produce oil from the Bridger Lake field, therefore, Phillips desires to convert the Well from being currently shut-in to a water disposal well.

5. The surface and bottom hole locations of the Well are each located 1623 feet West of the Eastline and 1686 feet North of the South line of Section 14, Township 3 North, Range 14 East, S.L.M., Summit County, Utah. Attached to this Application as Exhibit "A" is a map showing the location of the Well and the surrounding properties.

6. The water to be injected into the Well will be produced from the Dakota formation in the Bridger Lake Unit. The total estimated daily average injection rate would be 750 BWPD. The maximum anticipated injection rate is 2,000 BWPD depending upon the need for such use of the Well. The initial injection pressure is expected to be 1,000 psi. Maximum injection pressure should not exceed 3,000 psi. The injection interval in the well would be from 15,244 feet to 15,618 feet below the surface of the earth.

7. Equipment for handling the water injected is installed at the Fork A Tank Battery #2, located in Section 23, Township 3 North, Range 14 East, S.L.M., Summit County, Utah. This includes a water tank, an injection pump and metering equipment. Electric power exists at the tank battery. All water will be chemically treated if necessary prior to being injected. The tubing and annulus pressures and metered volumes will be monitored on a daily basis. The Well will be used strictly as a disposal well and will not be used for secondary recovery in the Bridger Lake Unit. A casing test will be performed on the Well prior to disposal of any water into the Well.

8. Phillips plans to transport water to the disposal Well by pipeline from wells in the Bridger Lake Unit.

9. The intended source aquifers do not currently serve as sources of drinking water. The aquifers cannot now and will not in the future serve as sources of drinking water because the aquifers are situated at a depths and locations that makes recovery of water for drinking water purposes economically or technologically impractical.

10. The named corporations and individuals set forth on Schedule "1," attached hereto, constitute all lease operators, owners and surface owners within a one-half ( $\frac{1}{2}$ ) mile radius of the above described proposed injection Well.

11. The granting of the aquifer exemption and the conversion of the Fork A No. 10 Well to a water disposal well will lower the cost of production of oil and gas from the Bridger Lake Unit, will enhance the recovery of oil and gas in the Luckey Ditch Unit and in the Bridger Lake Unit, is in the public interest, promotes conservation, increases ultimate recovery and prevents waste of oil and/or gas.

WHEREFORE, Applicant prays for relief as follows:

1. For a hearing on December 1, 1988, to consider Applicant's request for approval of the aquifer exemption for the Dakota and Mowry formation in Fork A No. 10 Well and for authorization of the conversion of the Fork A No. 10 Well into a water disposal well.

2. For a final order granting the aquifer exemption and approving the conversion of the Well as being in the public interest in that it promotes conservation, increases ultimate recovery and prevents waste of oil and/or gas.

3. For such other and further action as the Board of Oil, Gas and Mining deems appropriate.

DATED this 21 day of October, 1988.

Very Truly Yours,

RAY, QUINNEY & NEBEKER



Alan A. Enke  
Attorney for Applicant,  
Phillips Petroleum Company

PHILLIPS PETROLEUM COMPANY  
8055 E. Tufts Avenue Parkway  
Denver, Colorado 80237

SCHEDULE "1"

The following lands within the areas listed below with their respective mineral interest and working interest owners, lie within a ½ mile radius of either the surface location or the bottom hole location for the Fork A No. 10 Well:

<u>Description</u>	<u>Mineral Owners</u>	<u>Working Interest Owners</u>
1. <u>T12N, R115W, 6th P.M.</u> Sec. 24: S½ Sec. 25 Uinta County, Wyoming	U.S.A.*	Phillips Petroleum Co. 8055 E. Tufts Ave. Pkwy. Denver, CO 80237-2898
2. <u>T12N, R114W, 6th P.M.</u> Sec. 30: Lot 4 Uinta County, Wyoming	U.S.A.*	Phillips Petroleum Co. 8055 E. Tufts Ave. Pkwy. Denver, CO 80237-2898
3. <u>T12N, R114W, 6th P.M.</u> Sec. 19: SW¼ Sec. 30: Lot 3 Uinta County, Wyoming	U.S.A.*	Sun Operating Limited Partnership Four North Park East 5656 Blackwell P.O. Box 2880 Dallas, TX 75221  Robert J. Hewitt One O'Connor Plaza Suite 1100 Victoria, TX 77901  General Atlantic Energy Corp. 410 17th Street Suite 1400 Denver, CO 80202  Fortune Oil Ltd. 1245 E. Brickyard Rd. Suite 30 Salt Lake City, UT 84106  Chieftain International, Ltd. 1201 Toronto Dominion Tower Edmonton Center Edmonton, Alberta Canada T5J 2Z1  Texaco Inc. P.O. Box 3360 Casper, Wy 82602

4. T3N, R14E, S.L.M.

Sec. 14

Sec. 13: W $\frac{1}{2}$

Sec. 23: N $\frac{1}{2}$

Sec. 24: NW $\frac{1}{4}$

Summit County, Utah

U.S.A.

Phillips Petroleum Co.  
8055 E. Tufts Ave. Pkwy.  
Denver, CO 80237-2898

\*Bureau of Land Management  
2515 Warren Ave.  
P.O. Box 1828  
Cheyenne, WY 82001

\*\*Bureau of Land Management  
324 South State Street  
Suite 301  
Salt Lake City, UT 84111-2303

SURFACE OWNERS

Bureau of Land Management  
2515 Warren Avenue  
P.O. Box 1828  
Cheyenne, WY 82001

United States Forest Service  
Kemmerer Ranger District  
P.O. Box 31  
Kemmerer, WY 83101

Bureau of Land Management  
324 South State Street  
Suite 301  
Salt Lake City, UT 84111-2303

001E

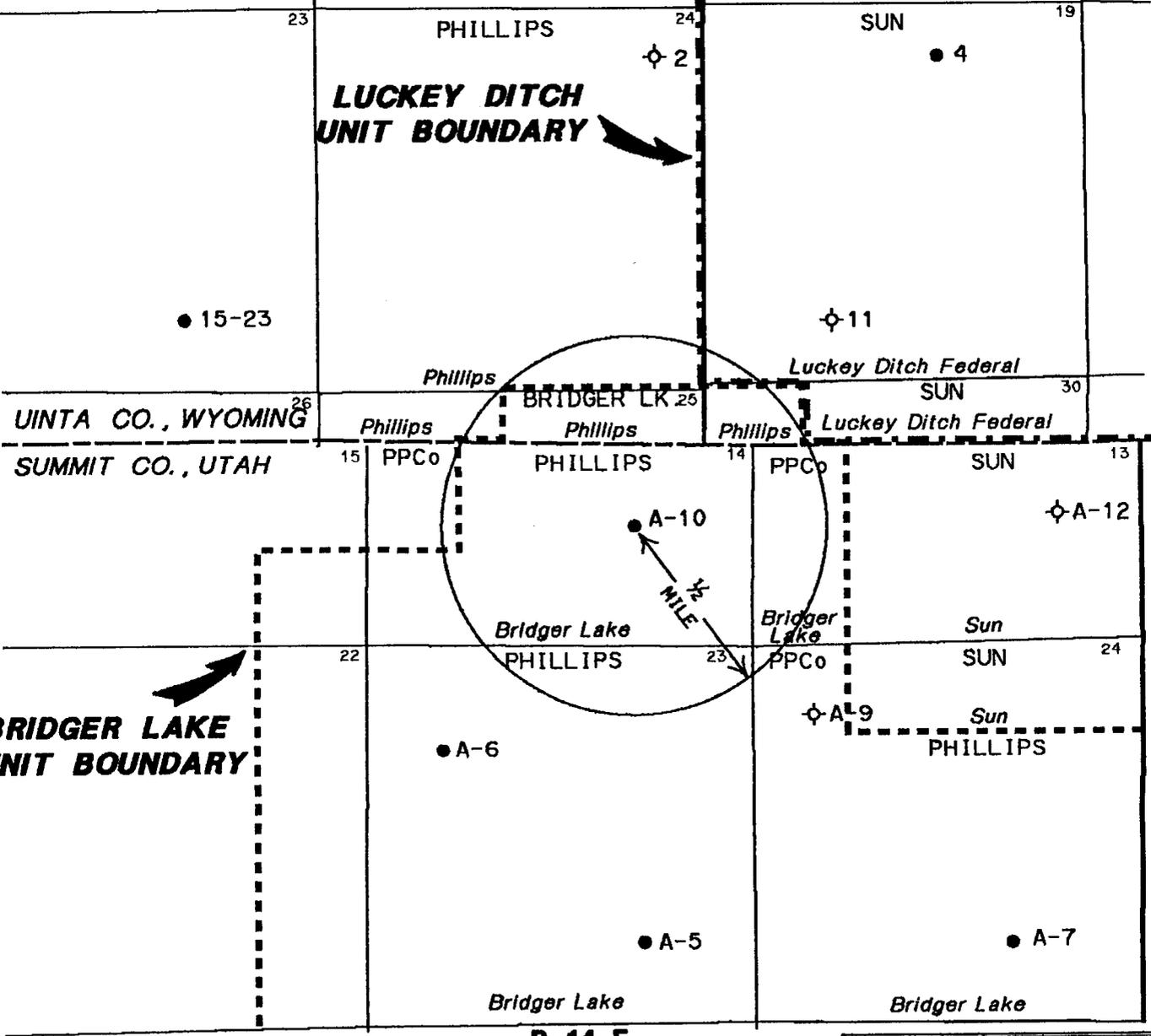
**EXHIBIT "A"**

R 115 W

R 114 W

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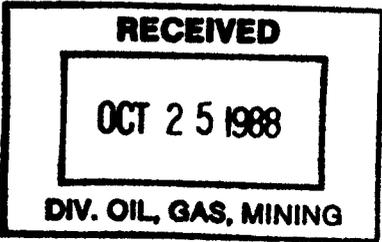


**BRIDGER LAKE  
UNIT BOUNDARY**

**LUCKEY DITCH  
UNIT BOUNDARY**

		<b>PHILLIPS PETROLEUM COMPANY</b> <small>NORTHWESTERN REGION DENVER, COLORADO</small>	
		<b>FORK A BRIDGER LAKE UNIT SUMMIT CO., UTAH UINTA CO., WYOMING EXHIBIT "A"</b>	
0                      2,000                      4,000 SCALE (FEET)		INTERPRETATION BY: <b>B. MURPHY</b> DRAFTED BY: <b>ORT</b> DATE: <b>10-13-66</b> FILE NO.: <b>UTBRIDGER</b>	

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



----oo0oo----

In the Matter of the Request :  
for Agency Action of Phillips :  
Petroleum Company for an :  
Aquifer Exemption and also :  
for Authorization of the :  
Conversion to a Water :  
Disposal Well for the Fork A :  
No. 10 Well, Section 14, :  
Township 3 North, Range 14 :  
East, S.L.M., Summit County, :  
Utah :

Docket No. 88-024  
Cause No. WD-104

----oo0oo----

AFFIDAVIT

STATE OF UTAH )  
 : SS.  
COUNTY OF SALT LAKE )

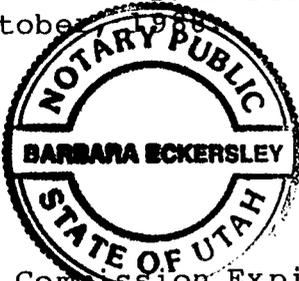
I, Alan A. Enke, being of legal age and after first being duly sworn, do upon oath state the following:

That the named corporations and individuals set forth on the attached list hereto constitute all lease operators, owners and surface owners within a one-half (1/2) mile radius of the above described proposed injection well.

That on the 25<sup>th</sup> day of October, 1988, I caused a full and true copy of the application in the above referenced cause and docket to be mailed with postage prepaid to the interested parties set forth on the attached list (Attachment "A").

Alan A. Enke  
Alan A. Enke

Subscribed and sworn to before me this 24<sup>th</sup> day of October, 1988.



Barbara Eckersley  
Notary Public  
Residing at: Salt Lake Co, Utah

My Commission Expires:  
1-7-91

ATTACHMENT "A"

The following lands within the areas listed below with their respective mineral interest and working interest owners, lie within a ¼ mile radius of either the surface location or the bottom hole location for the Fork A No. 10 Well:

<u>Description</u>	<u>Mineral Owners</u>	<u>Working Interest Owners</u>
1. <u>T12N, R115W, 6th P.M.</u> Sec. 24: S½ Sec. 25 Uinta County, Wyoming	U.S.A.*	Phillips Petroleum Co. 8055 E. Tufts Ave. Pkwy. Denver, CO 80237-2898
2. <u>T12N, R114W, 6th P.M.</u> Sec. 30: Lot 4 Uinta County, Wyoming	U.S.A.*	Phillips Petroleum Co. 8055 E. Tufts Ave. Pkwy. Denver, CO 80237-2898
3. <u>T12N, R114W, 6th P.M.</u> Sec. 19: SW¼ Sec. 30: Lot 3 Uinta County, Wyoming	U.S.A.*	Sun Operating Limited Partnership Four North Park East 5656 Blackwell P.O. Box 2880 Dallas, TX 75221  Robert J. Hewitt One O'Connor Plaza Suite 1100 Victoria, TX 77901  General Atlantic Energy Corp. 410 17th Street Suite 1400 Denver, CO 80202  Fortune Oil Ltd. 1245 E. Brickyard Rd. Suite 30 Salt Lake City, UT 84106  Chieftan International, Ltd. 1201 Toronto Dominion Tower Edmonton Centre Edmonton, Alberta Canada T5J 2Z1  Texaco Inc. P.O. Box 3360 Casper, WY 82602

4. T3N, R14E, S.L.M.

Sec. 14

Sec. 13: W $\frac{1}{2}$

Sec. 23: N $\frac{1}{2}$

Sec. 24: NW $\frac{1}{4}$

Summit County, Utah

U.S.A.\*\*

Phillips Petroleum Co.  
8055 E. Tufts Ave. Pkwy.  
Denver, CO 80237-2898

\*Bureau of Land Management  
2515 Warren Ave.  
P.O. Box 1828  
Cheyenne, WY 82001

\*\*Bureau of Land Management  
324 South State Street  
Suite 301  
Salt Lake City, UT 84111-2303

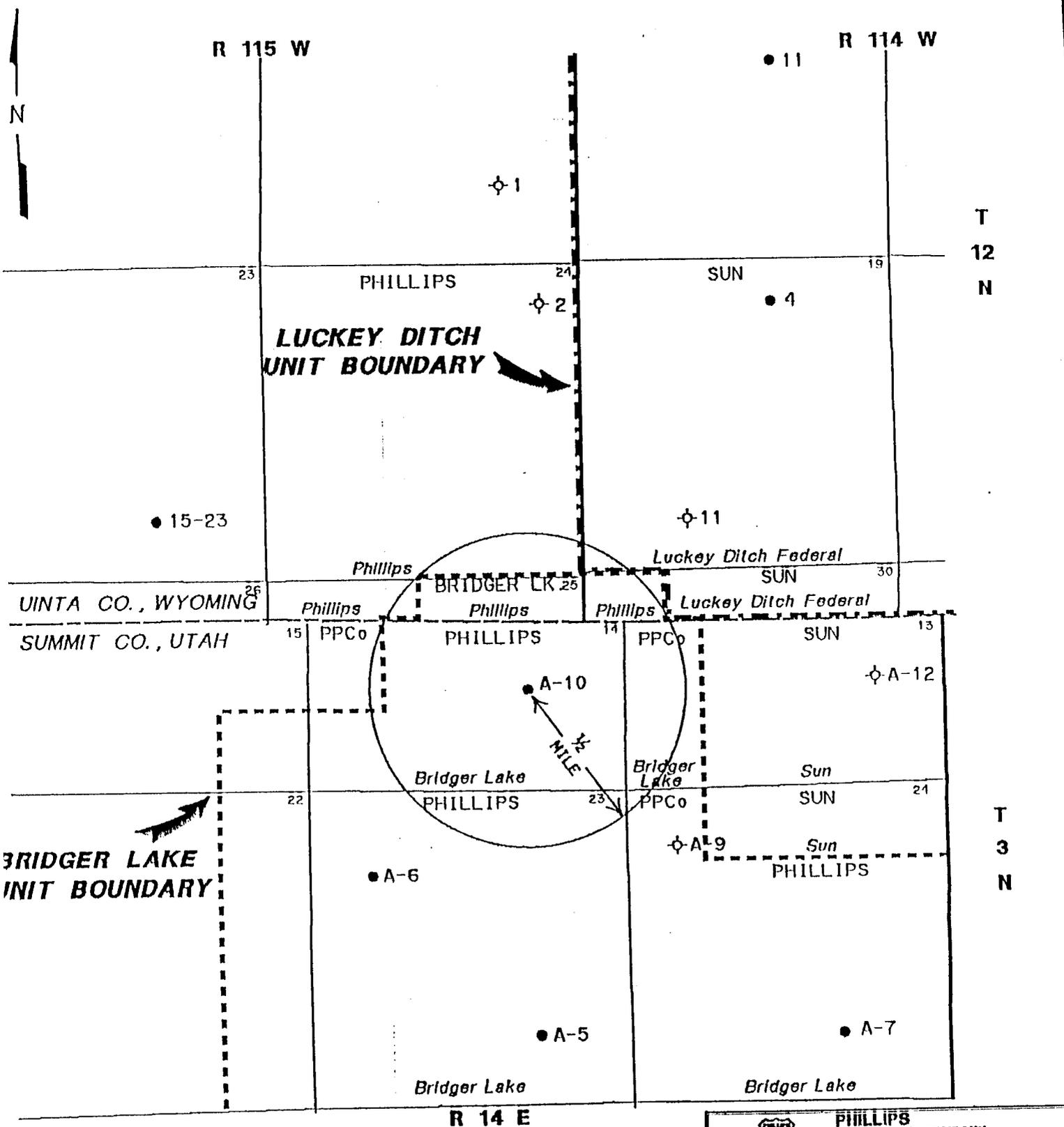
SURFACE OWNERS

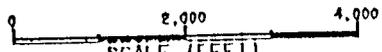
Bureau of Land Management  
2515 Warren Avenue  
P.O. Box 1828  
Cheyenne, WY 82001

United States Forest Service  
Kemmerer Ranger District  
P.O. Box 31  
Kemmerer, WY 83101

Bureau of Land Management  
324 South State Street  
Suite 301  
Salt Lake City, UT 84111-2303

**EXHIBIT "A"**



 <b>PHILLIPS PETROLEUM COMPANY</b> <small>NORTHWESTERN REGION DENVER, COLORADO</small>			
<b>FORK A BRIDGER LAKE UNIT SUMMIT CO., UTAH UINTA CO., WYOMING EXHIBIT "A"</b>			
			
<b>SCALE (FEET)</b>			
REVISED DATE BY	DATE BY	DATE BY	DATE BY
D. MURPHY	DRIT	10-13-02	UTD110001





**FORK "A" # 10**

**Summit County, Utah**

**Docket No. 88-024**

**Cause No. WD-104**

**RECEIVED**  
NOV 14 1988

**DIVISION OF  
OIL, GAS & MINING**

In the Matter of the Request	:	
for Agency Action of Phillips	:	
Petroleum Company for	:	
an Aquifer Exemption and also	:	Docket No. 88-024
for Authorization of the	:	
Conversion to a Water	:	Cause No. WD-104
Disposal Well for the Fork A	:	
No. 10 Well, Section 14,	:	
Township 3 North, Range 14	:	
East, S.L.M., Summit County,	:	
Utah	:	

-----oooOooo-----

Phillips Petroleum Company

Fork A #10  
 NW SE Section 14-T3N-R14E  
 Summit County, Utah

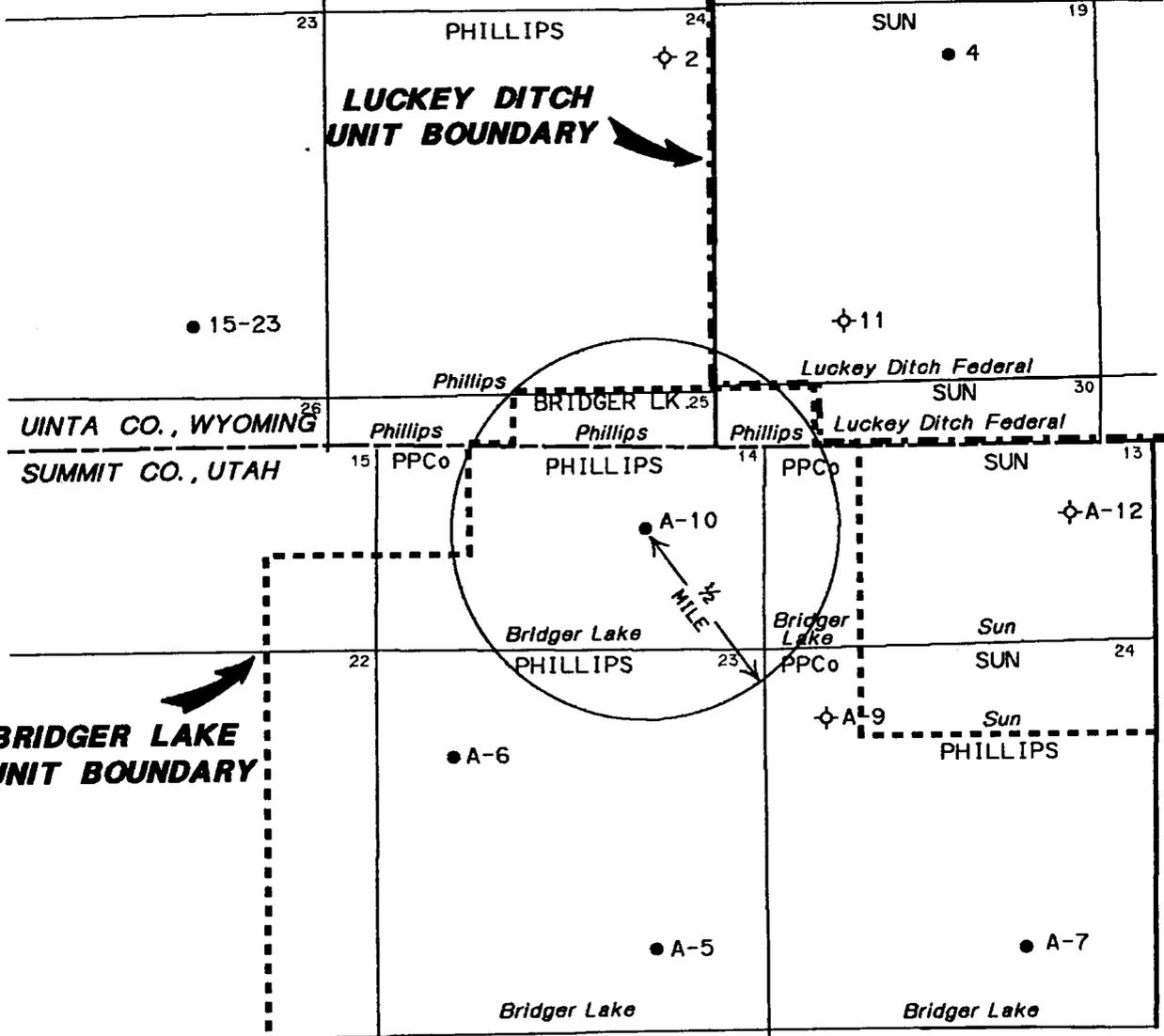
<u>Exhibit</u>	<u>Description</u>
1	Map of Area
2	Proposed Injection Program
3	Completion Data
4	Well Schematic
5	Cement Bond Log
6	Maximum Injection Pressure Calculations
7	Water Compatibility
8	Geologic Data
9	Structure Map of Dakota E-Zone
10	Isopach Map of Dakota E-Zone
11	Isopach Map of Dakota A-Zone
12	Cross-section of Mowry and Dakota Formations
13	Summary of A-Zone Pressures
14	Summary of E-Zone Pressures



R 115 W

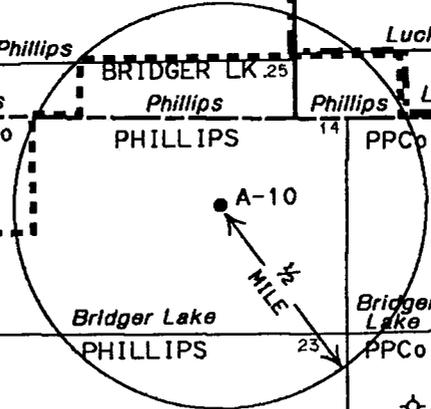
R 114 W

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**BRIDGER LAKE  
UNIT BOUNDARY**

**LUCKEY DITCH  
UNIT BOUNDARY**



Docket No. 88-024  
Cause No. WD-104  
Exhibit No. 1

**PHILLIPS  
PETROLEUM COMPANY**  
SOUTHWESTERN BRANCH  
DENVER, COLORADO

**FORK A  
BRIDGER LAKE UNIT  
SUMMIT CO., UTAH  
UINTA CO., WYOMING**

**EXHIBIT 1**

0 2,000 4,000  
SCALE (FEET)

REVISED DATE BY	INTERPRETATION BY: B. MURPHY	DRAFTED BY: DRT	DATE: 10-13-88	FILE NO.: UTBRIDGER
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**FORK A #10  
PROPOSED INJECTION PROGRAM**

**Proposal:** Convert Fork A #10 to a salt water disposal well.

**Current SWD System:** Phillips currently produces 350 BWPD from the Dakota Formation in Bridger Lake Field in Summit County, Utah. The produced water is gathered and stored at Tank Battery #2 (Section 23-T3N-R14E, Summit County, Utah). The water is trucked to a disposal pit (located near Robertson, WY) owned by D&B Disposal.

**Proposed SWD System:** It is proposed to dispose of Phillips produced water into the Mowry and Dakota Formations of the Fork A #10. The estimated rates and pressures are as follows:

Estimated daily average injection rate	-	750 BWPD
Maximum anticipated injection rate	-	2000 BWPD
Initial injection pressure	-	1000 psi
Maximum injection pressure	-	3000 psi

Surface facilities for handling the disposal of the produced water are located at Tank Battery #2. The facilities include a storage tank, an injection pump, and metering equipment. Electric power exists at the tank battery. All water will be chemically treated if necessary prior to being injected. The water will be pumped through existing flowlines to Fork A #10. The tubing and annulus pressures, and metered volumes will be monitored on a daily basis.

**FORK A #10  
COMPLETION DATA**

Location: 1623' FEL, 1686' FSL  
NW SE Section 14-T3N-R14E, Summit County, Utah

Elevations: RKB 9041'  
GL 9019'

Spud Date: 5-3-68

Completion Date: 4-7-69

Perforations: 15,266' - 15,274' Mowry Formation  
15,337' - 15,348' Dakota Formation (H-Zone)  
15,462' - 15,473' Dakota Formation (E-Zone)  
15,502' - 15,516' Dakota Formation (D-Zone)  
15,569' - 15,586' Dakota Formation (C-Zone)  
15,600' - 15,610' Dakota Formation (B-Zone)  
15,616' - 15,640' Dakota Formation (A-Zone)

Deep  
Formation Test: The Nugget Formation 17,734' - 17,818' OA was tested.  
This formation was not productive and was plugged.

Casing Data:

Conductor Pipe: Set 24" conductor pipe at 38'.  
Cement circulated to surface.

Surface Casing: Set 16" casing at 420'.  
Cemented with 500 sacks cement.  
Cement circulated to surface.

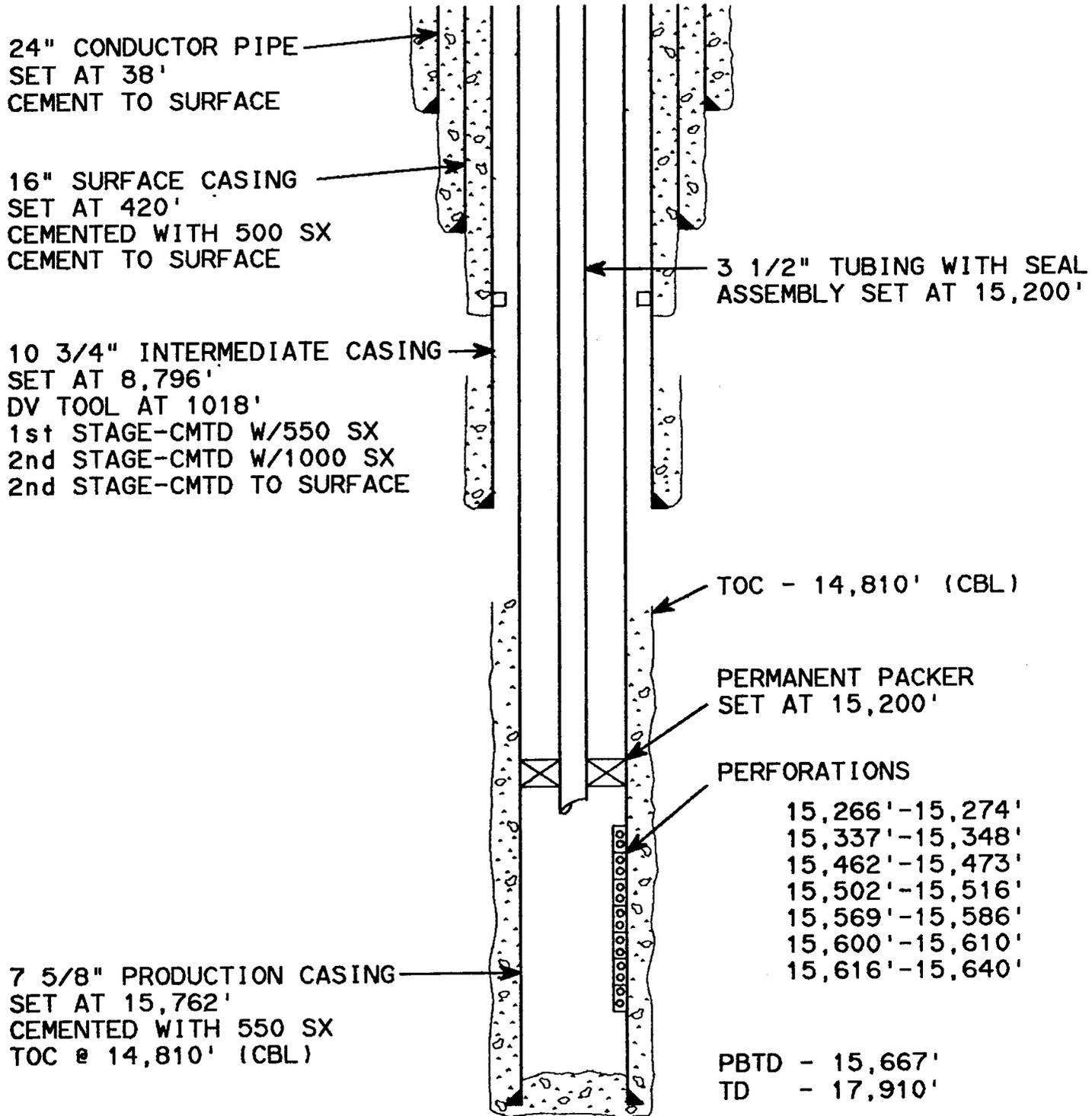
Intermediate  
Casing: Set 10-3/4" casing at 8,796'.  
DV tool at 1018'.  
Cemented 1st stage with 550 sacks cement.  
Cemented 2nd stage with 1000 sacks cement.  
2nd stage cement was circulated to surface.

Production  
Casing: Set 7-5/8" liner from 8,564' - 15,762', cemented with 550  
sacks cement.  
TOC at 14,810' (CBL).  
After drilling to 17,899' and setting the 5" liner, 7-5/8"  
casing was run from surface to 8564' and latched into tie  
back collar.  
Pressure tested casing and collar to 3000 psi - tested ok.

Production  
Liner: Set 5" liner from 15,704' - 17,904'.  
Cemented with 357 sacks cement.

PBTD: 15,667'

## FORK "A" #10 WELL SCHEMATIC



**FORK A #10  
MAXIMUM INJECTION PRESSURE CALCULATIONS**

I. BOTTOM HOLE FRACTURE PRESSURE

FG = 0.75 psi/ft based on average service company  
data for the Dakota in the surrounding area.

$$\text{BHFP} = \text{FG} \times \text{Depth}$$
$$0.75 \times 15,453$$

$$\text{BHFP} = 11,590 \text{ psi}$$

II. MAXIMUM SURFACE INJECTION PRESSURE

$$\text{SWHP} = \text{BHFP} - \text{Ph} + \text{Ppipe} + \text{Pperf}$$

$$\text{Ph} = \text{Density (lb/gal)} \times \text{Depth (ft)} \times 0.052$$

$$\text{Ph} = 8.397 \times 15,453 \times 0.052$$

$$\text{Ph} = 6,747 \text{ psi}$$

$$\text{Ppipe} = 5 \text{ psi/1000' (assuming instantaneous rate}$$
$$\text{of 2000 BPD)}$$

$$\text{Ppipe} = 77 \text{ psi}$$

$$\text{Pperf} = 0 \text{ psi}$$

$$\text{SWHP} = 11,590 - 6,747 + 77 + 0$$

$$\text{SWHP} = 4,920 \text{ psi}$$

BHFP - Bottom Hole Frac Pressure  
FG - Frac Gradient  
Ph - Hydrostatic Pressure  
Pperf - Perforation Friction  
Ppipe - Pipe Friction  
SWHP - Surface Wellhead Pressure

Docket No. 88-024  
Cause No. WD-104  
Exhibit No. 7  
Water Compatability  
Page 1 of 3

November 11, 1988

Mr. Blair Murphy  
Phillips Petroleum  
8055 East Tufts Avenue Parkway  
Denver, CO 80237

Dear Mr. Murphy:

Compatibility tests were run on water samples from Bridger Lake Battery #1 and Battery #2. An initial filtration was done through a 0.45 micron filter. The samples were mixed in ratios of 25/75, 50/50 and 75/25. They were all heated to temperatures of 75, 125 and 175 degrees Fahrenheit. No precipitation was apparent. After cooling there appeared to be small amounts of precipitate floating on top. This could be due to the 50% evaporation that occurred during heating or even to small amounts of oil coagulating that were not initially filtered out. Total suspended solids were run on each of the samples after cooling. The results are as follows:

<u>Sample</u>	<u>TSS, mg/l</u>
25% Battery #1, 75% Battery #2	53
50% Battery #1, 50% Battery #2	57
75% Battery #1, 25% Battery #2	56

The two waters are so similar it would not be expected that they would have a compatibility problem. If you have any further questions, please don't hesitate to contact us at (307)235-5741.

Sincerely,

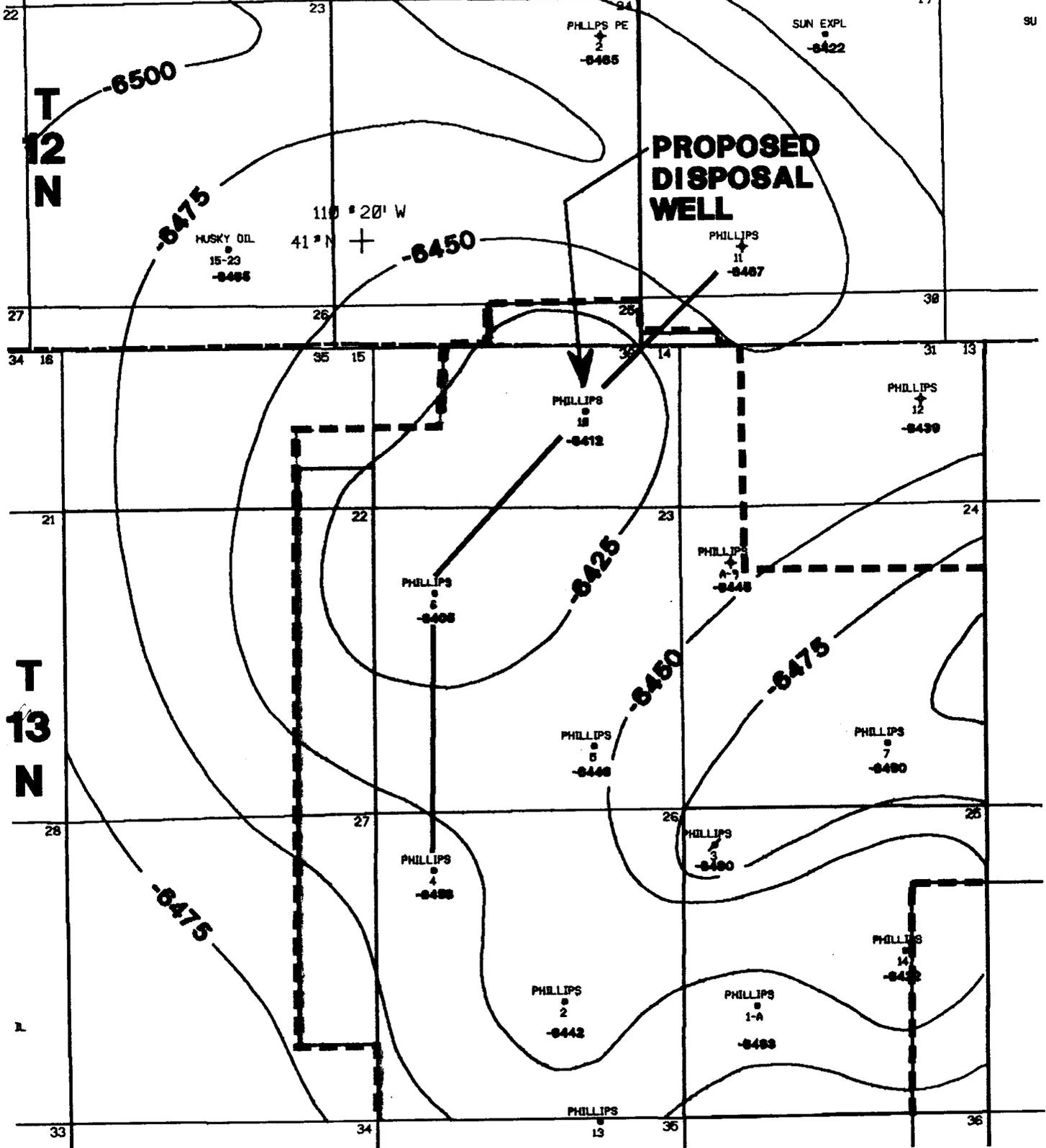
*Laurel Dow*

Laurel Dow  
Laboratory Technician

LD:aj

R 15 W

R 114 W



**PROPOSED DISPOSAL WELL**

----- UNIT OUTLINE  
 \_\_\_\_\_ LINE OF CROSS SECTION

R 14 E

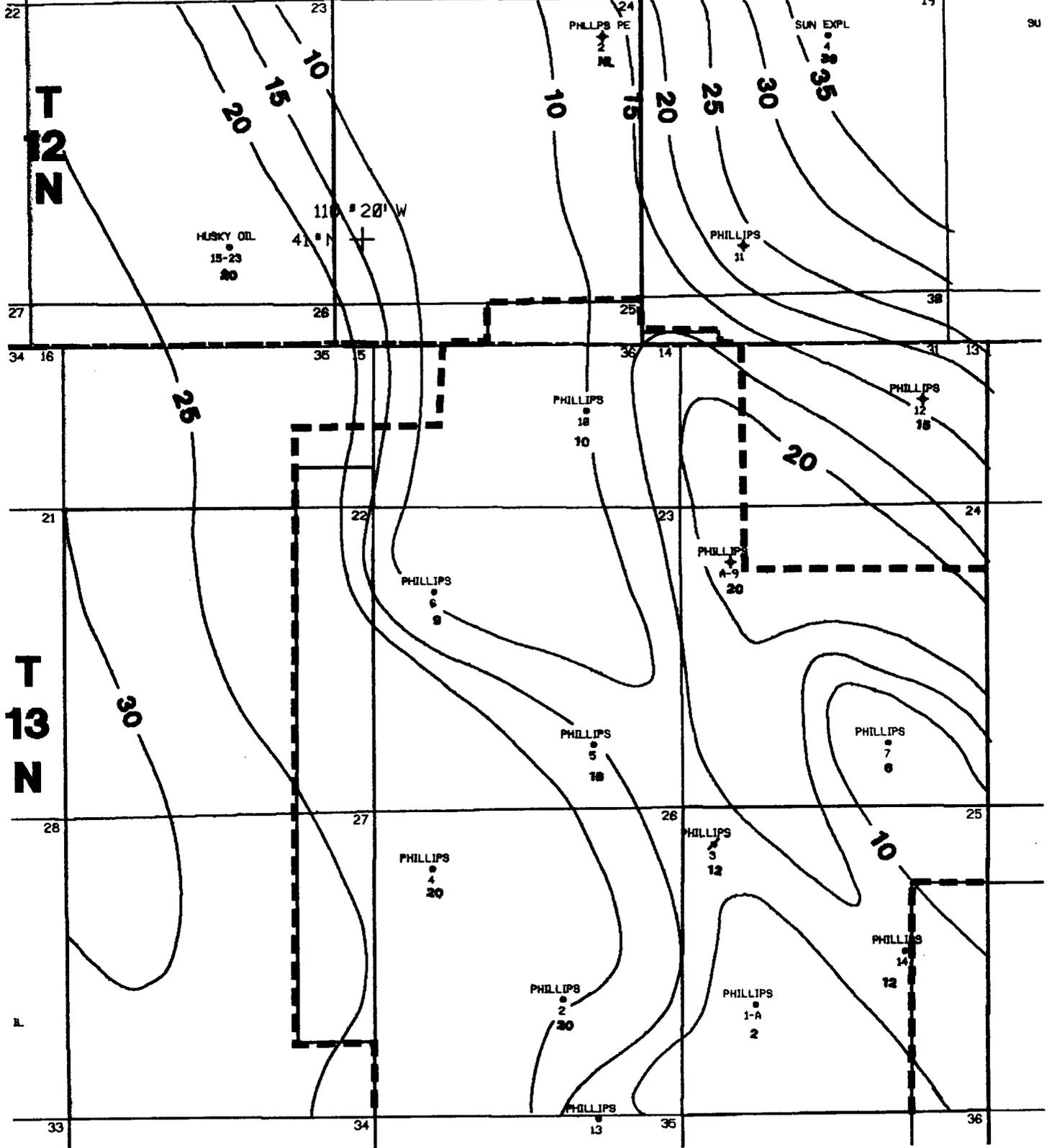
**EXHIBIT #9**  
**DOCKET #88-024**  
**CAUSE #WD-104**



<b>PHILLIPS OIL COMPANY</b>			
<b>BRIDGER LAKE FIELD</b>			
SHERIDAN COUNTY, UTAH			
<b>STRUCTURE CONTOUR MAP</b>			
<b>TOP "E" SANDSTONE</b>			
G.L. 107			
PREPARED BY	DATE	BY	NO.
J.L. GRANNON	J.A. Smith	NOV 1988	BRIDGER, 888

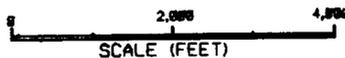
R 15 W

R 114 W



----- UNIT OUTLINE

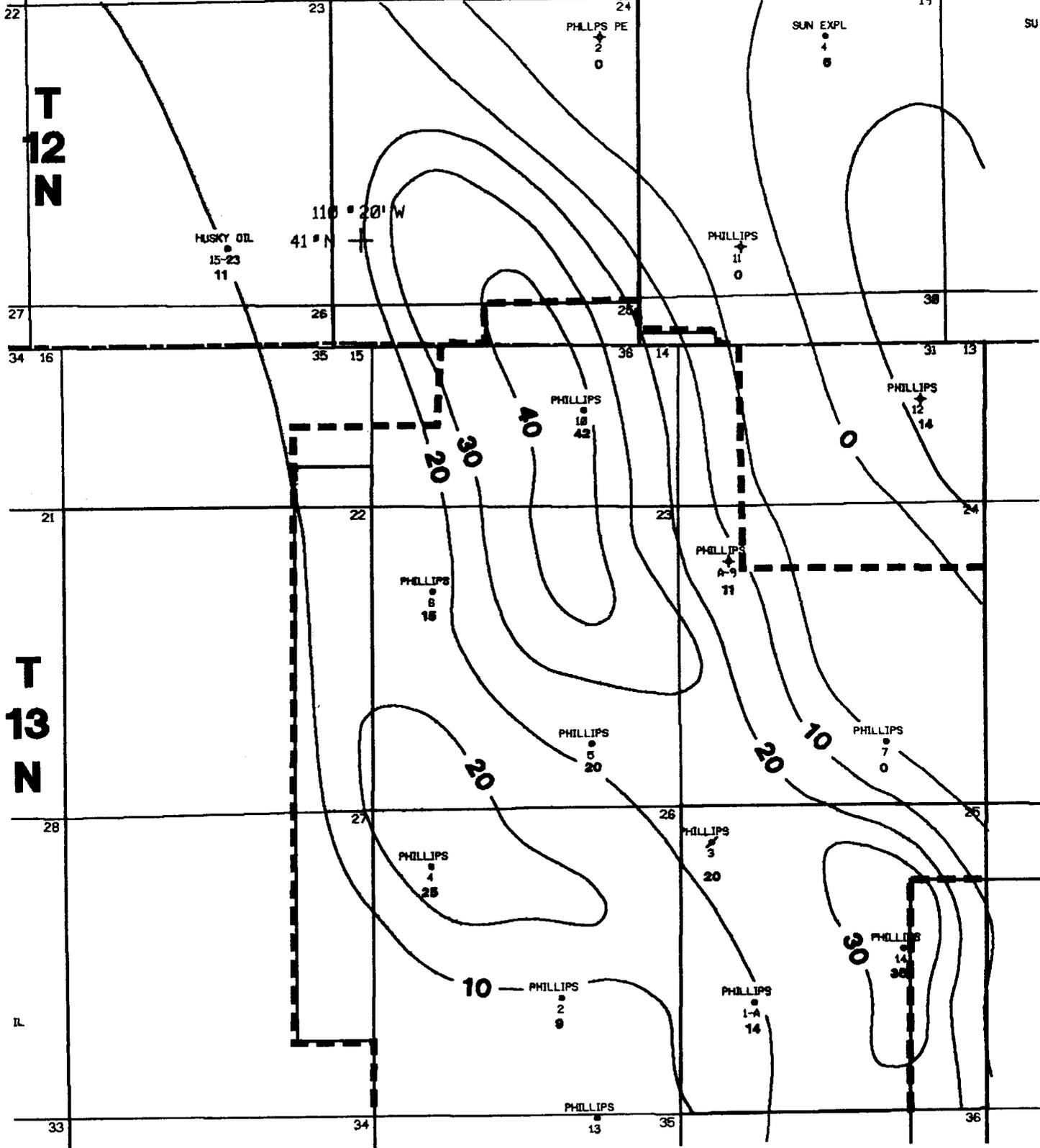
**EXHIBIT #10**  
**DOCKET #88-024**  
**CAUSE #WD-104**



<b>PHILLIPS OIL COMPANY</b>		
<b>BRIDGER LAKE FIELD</b>		
SHERIDAN COUNTY, UTAH		
<b>NET "E" SANDSTONE</b>		
<b>ISOPACH &gt;10%</b>		
G.I.P.		
PREPARED BY	DATE	FILE NO.
J.L. GRAINGER	J.A. Smith	NOV 1988
SHEET NO.		08-28578.DWG

R 115 W

R 114 W



--- UNIT OUTLINE

R 14 E

EXHIBIT #11  
DOCKET #88-024  
CAUSE #WD-104



**BRIDGER LAKE FIELD**  
SUNNET COUNTY, UTAH  
**NET "A" SANDSTONE**  
**ISOPACH >10%**

U.S. GEOLOGICAL SURVEY  
J.L. GRANT, J.A. BIRD, NOV 1988

S

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PHILLIPS BRIDGER LAKE A-6

SWNW 23-3N-14E

KB: 9125'

PHILLIPS BRIDGER LAKE A-10

NWSE 14-3N-14E

KB: 9049'

PHILLIPS BRIDGER LAKE A-11

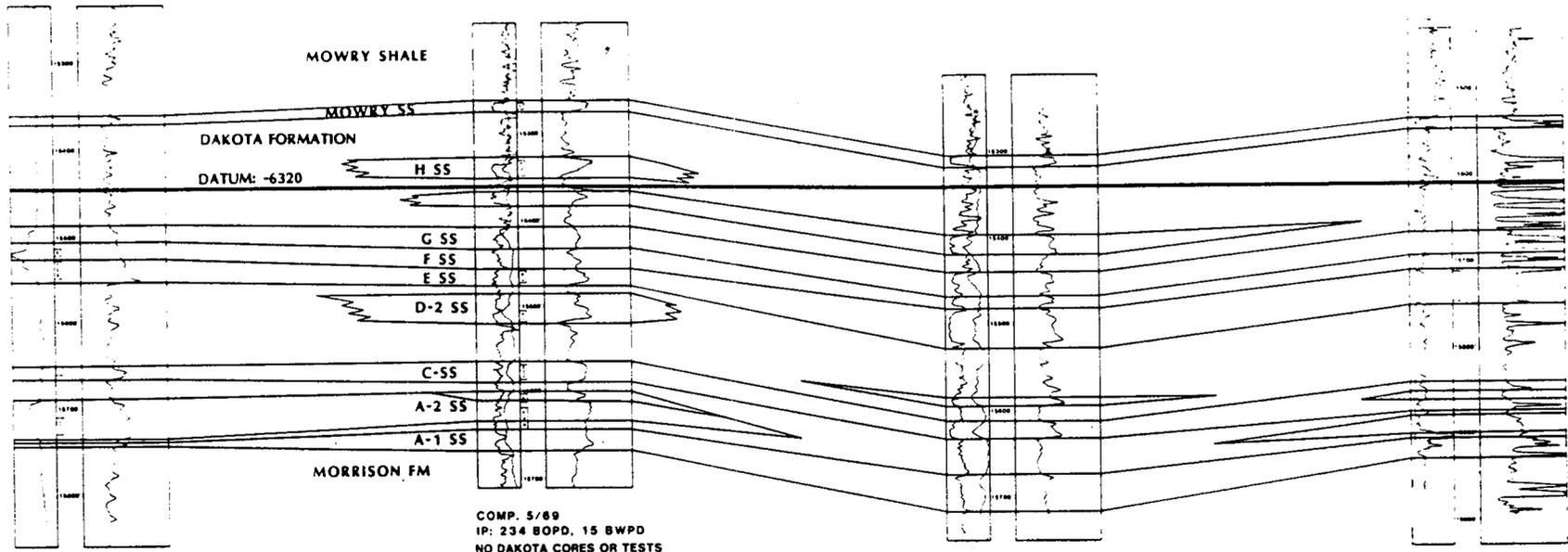
SESW 19-12N-114W

KB: 9017'

SUN LUCKEY DITCH B-4

NWNE 19-12N-114W

KB: 9288'



COMP. 1/68  
IP: 872 BOPD, 231 MCFD,  
60 BWPD  
NO CORES OR DST'S

PHILLIPS  
PETROLEUM COMPANY

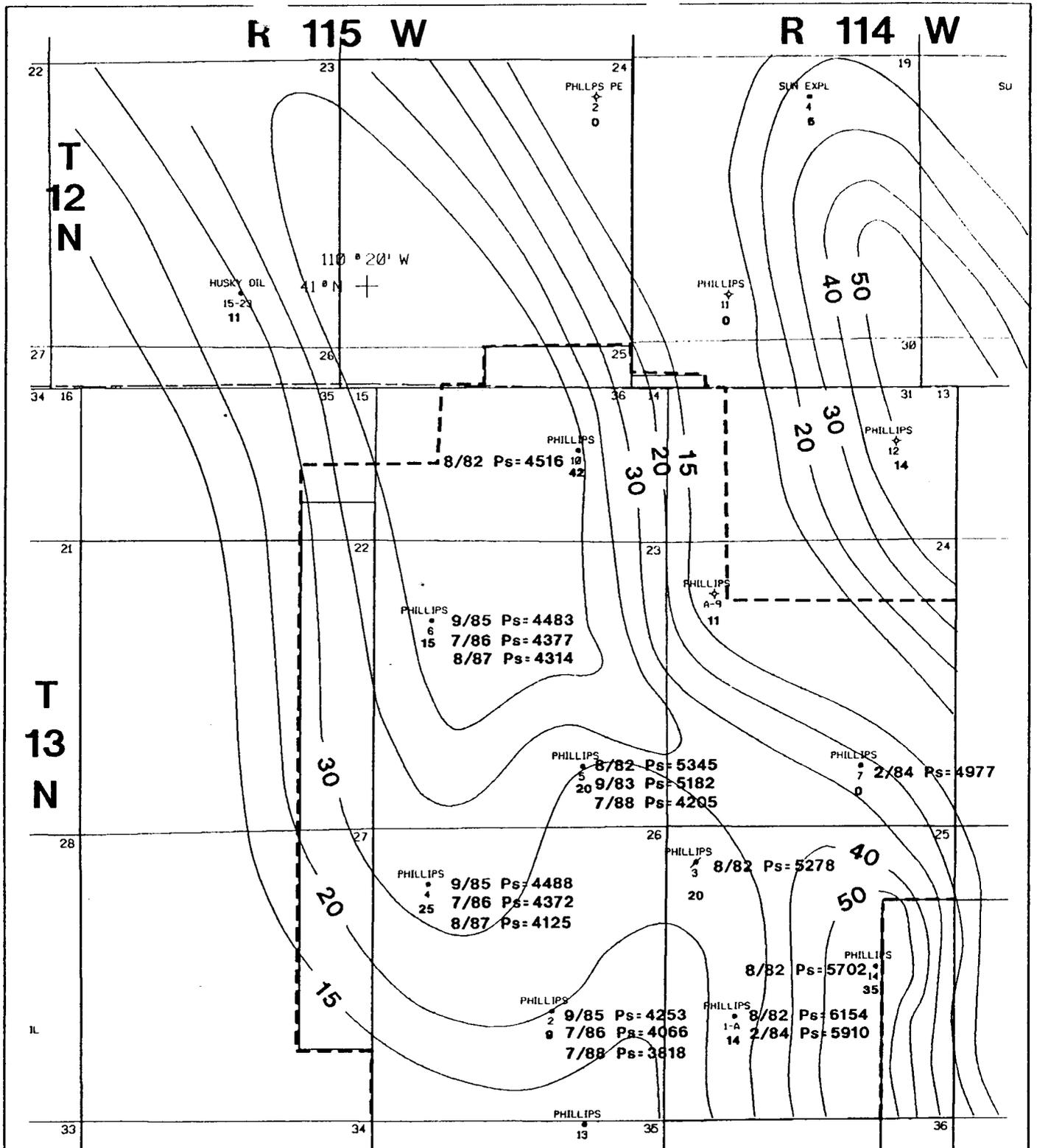
BRIDGER LAKE FIELD

SUMMIT COUNTY, UTAH

STRUCTURAL CROSS SECTION

DATUM: -6320

Cause No. WD-104  
Docket No. 88-024  
Exhibit No. 12



----- UNIT OUTLINE

**EXHIBIT #13**  
**DOCKET #88-024**  
**CAUSE #WD-104**



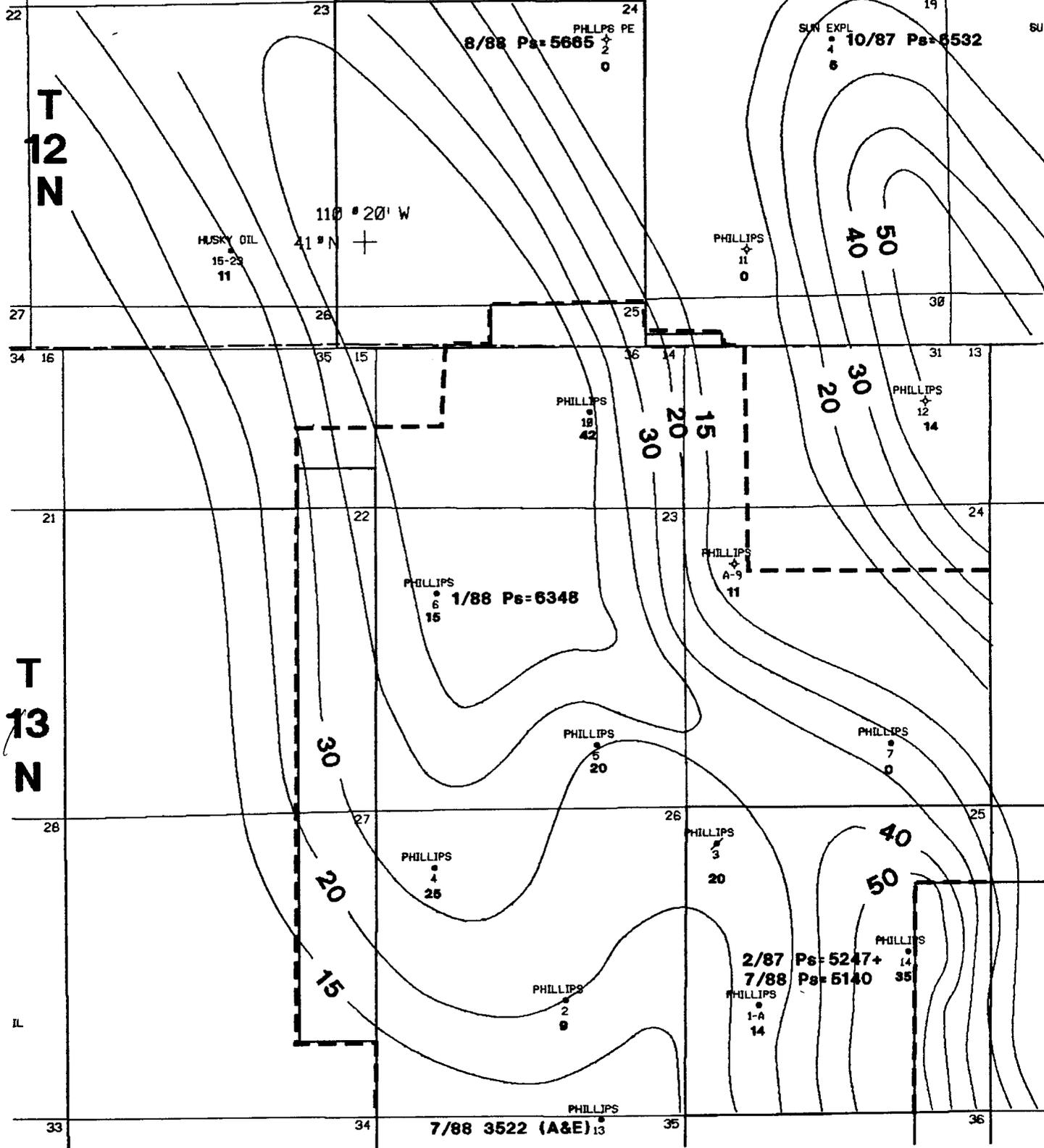
**PHILLIPS**  
**PETROLEUM COMPANY**  
 BRIDGER LAKE FIELD

**BRIDGER LAKE FIELD**  
 SUBMIT COUNTY, UTAH  
**DAKOTA "A" SAND**  
**RESERVOIR PRESSURES**

ALL PRESSURES @ -0645 59 DATUM C.I.: 5'  
 J.C. GRABBE | D.L. METRICK NOV 1988 | SLS/STR. DGM

R 15 W

R 114 W



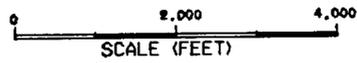
T 12 N

T 13 N

R 14 E

--- UNIT OUTLINE

**EXHIBIT #14**  
**DOCKET #88-024**  
**CAUSE #WD-104**



**PHILLIPS**  
 PETROLEUM COMPANY  
 BRIDGER LAKE FIELD  
 SUMMIT COUNTY, UTAH  
**DAKOTA "E" SAND**  
**RESERVOIR PRESSURES**  
 ALL PRESSURES @ -6645 SS DATUM/PSIG C.I.:15'  
 PREPARED BY: J.L. GRABBE & D.L. METTRICK NOV 1988

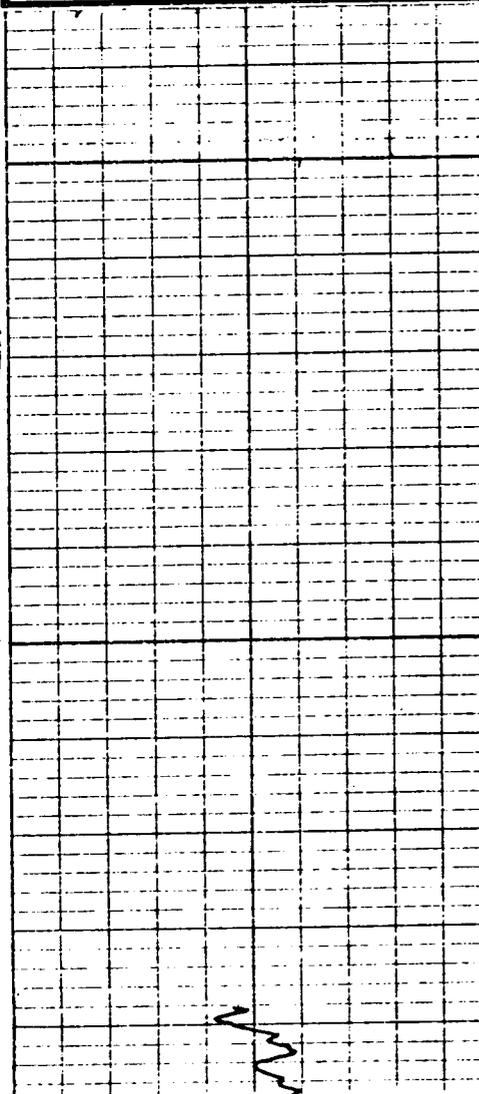
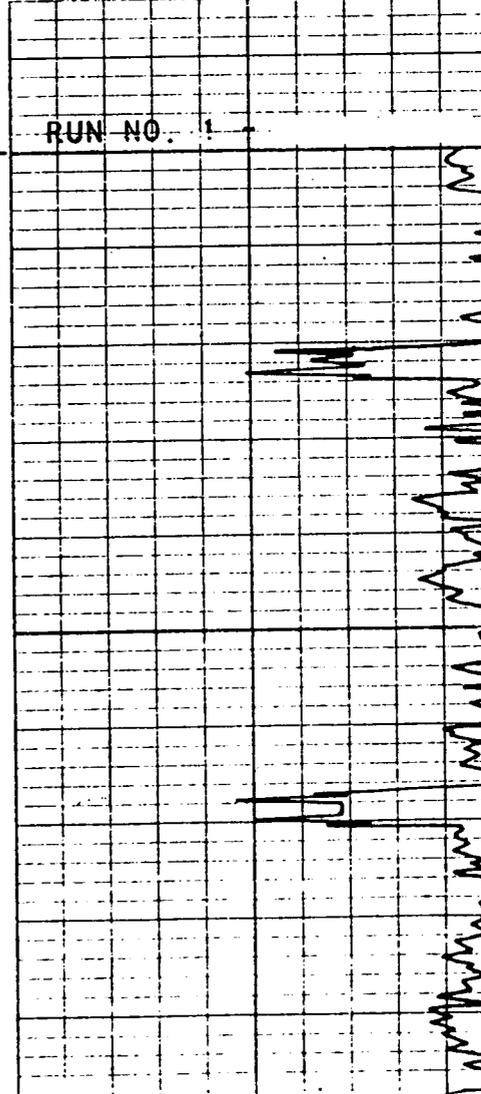
FORM 925192



*Acoustic  
 Cement Bond Log*

FILE NO.	COMPANY	PHILLIPS PETROLEUM COMPANY	
	WELL	FORK A NO. 10	
	FIELD	BRIDGER LAKE	
	COUNTY	SUMMIT	STATE
LOCATION:			Other Service
1600 FEL. - 1725 FSL.			GR-NU
SEC	14	TWP	3N RGE 14E
Permanent Datum	G-1	Elev.	9018.5
Log Measured from	K-B	22	Ft. Above Permanent Datum
Drilling Measured from	K-B		
			Elevations: KB 9040. DF 9039 GL 9018.

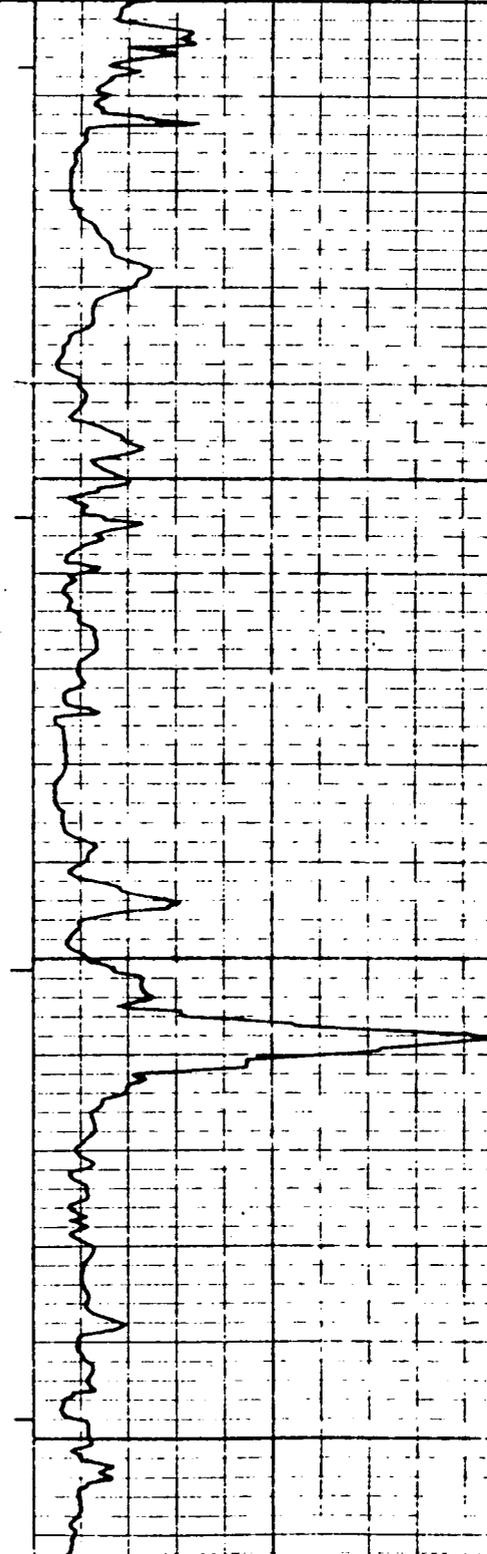
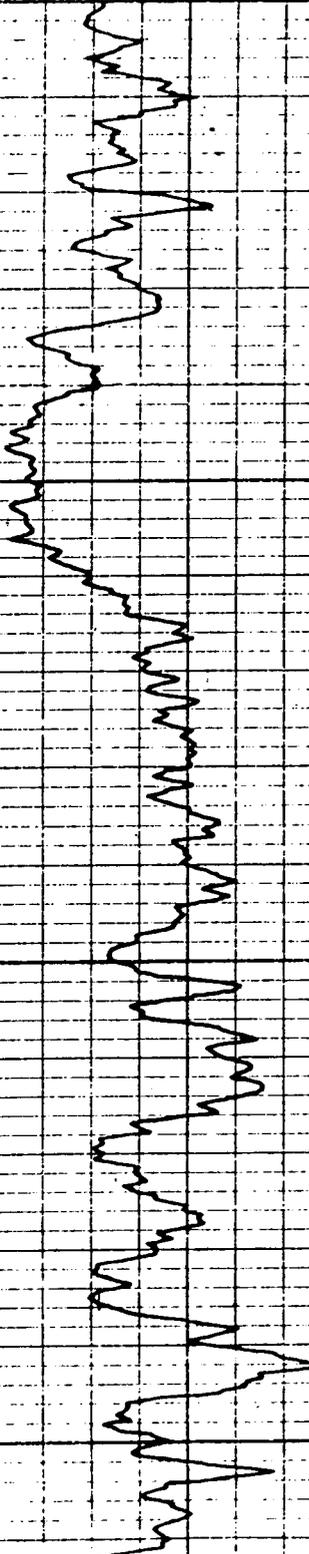
Date	CSG. RECORD	Surface	Protection	Production	Liner
9-8-68					
Run No.	ONE	Size	10 3/4	7 5/8	
First Reading	15 749	Wt./Ft.			
Last Reading	14 650	Grade			
Ft. Measured	1 099	Type Joint			
Depth Reached—LW	15 754	Top	SURF.	8562	
Bottom-Driller	15 754	Bottom	8796	15 754	
PRIMARY CEMENTING DATA					
Type Fluid in Csg.	MUD	Type Cement		CLASS G	
Density of Fluid		Vol. of Cement		550 SKS.	
Fluid Level	FULL	Additive		DIACEL	
Max. Temp. Deg. F.	210	% Additive		10	
Tool Series No.	1408	Retarder		FLOSIFF	
Tool Diam.	3 5/8"	% Retarder		3/4 LW 1/4 S	
Standoff Size	CENT.	Slurry Wt.			
Logging Speed	45'/MIN.	Water Loss			
R/A Log Type	GR	Drlg. Mud Type			
T.C.	2.0	Drlg. Mud Wt.			
Sens. Setting	560	PRIMARY CEMENTING PROCEDURE			
Truck or Unit No.	10 API AP-1127	Started Pumping		Preceding Fluid	
Location	CASPER	Plug on Bottom		Vol.	Bbls.
Opr. Rig Time	4 HOURS	Pres. Released		Returns: Full	Partial None
Recorded by	POMRENKE	Started Bond Log		Pipe Rot. During Pumping:	Yes
Witnessed by	MICHAELIS	Finished Bond Log		Pipe Rot. After Plugdown:	Yes

GAMMA RAY	DEPTH	COMPRESSION WAVE AMPLITUDE	
RADIATION INTENSITY INCREASES   20 API UNITS 120	5 100 1R 14.650	AMPLITUDE INCREASES   PERCENT UNBONDED PIPE SIGNAL 0.6.4   16   40   100	
	14700	RUN NO. 1 	

RUN NO. 2 - 1500# PRESSURE

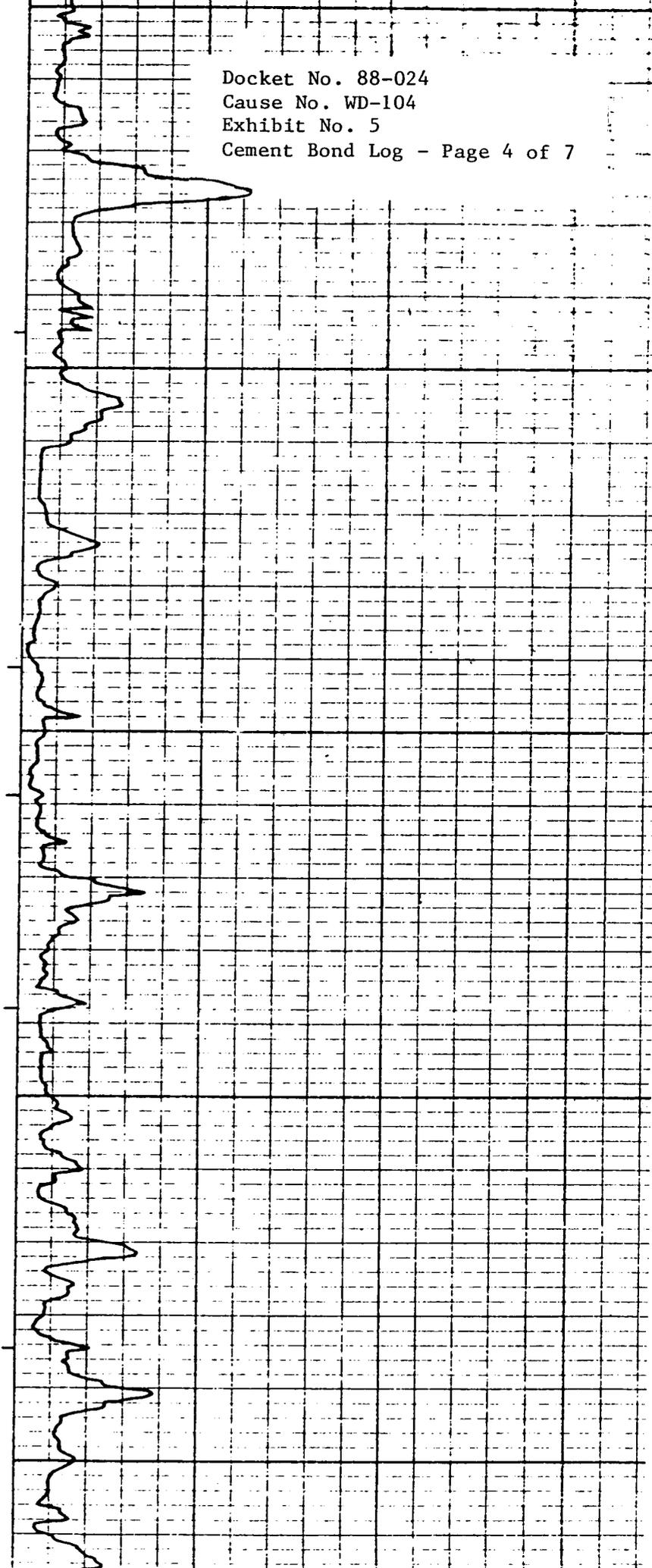
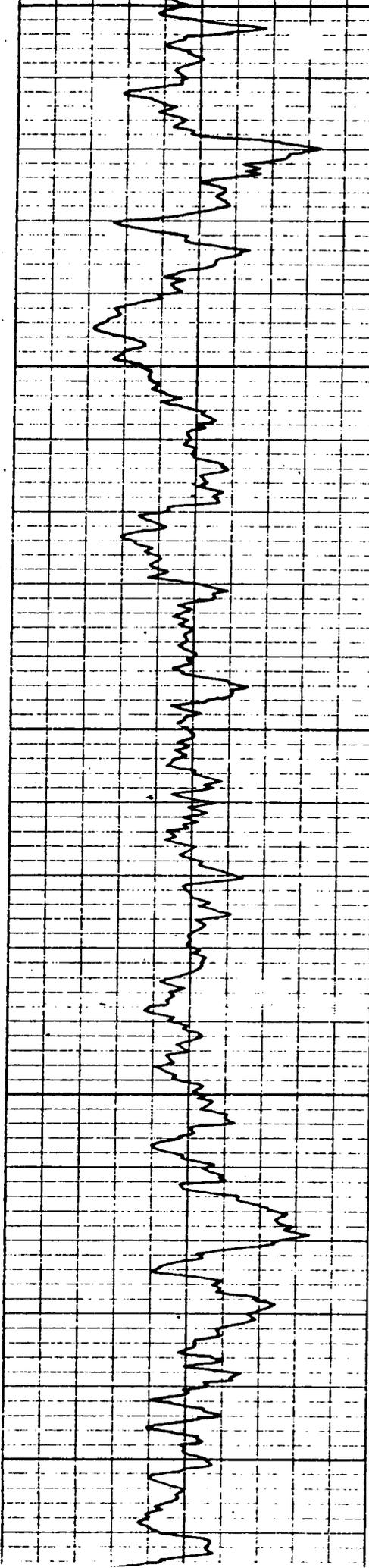
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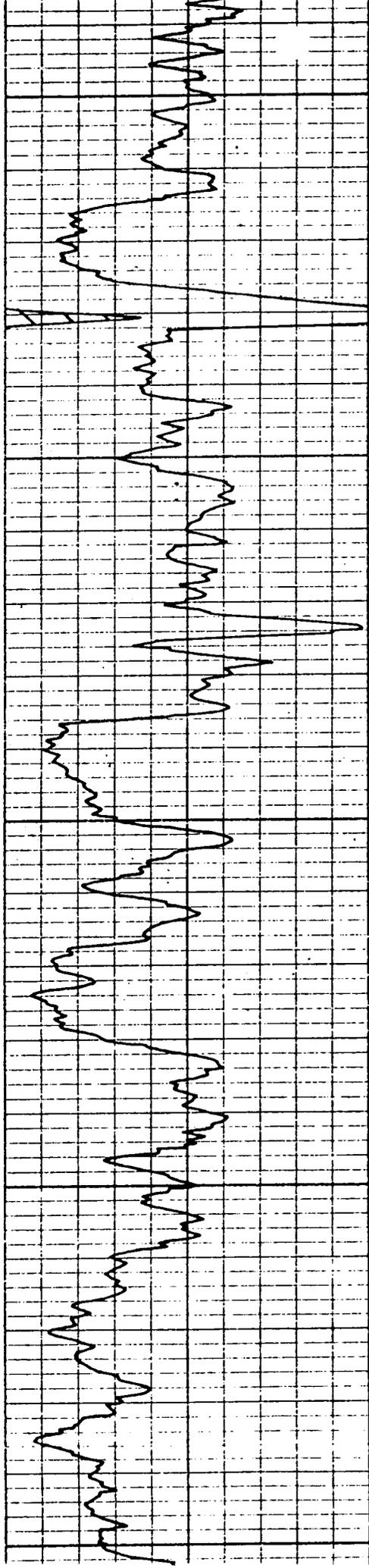
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15100

15200



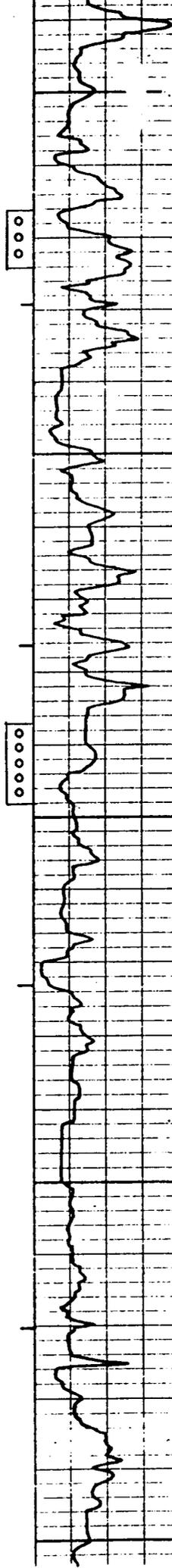


Mowry

15300

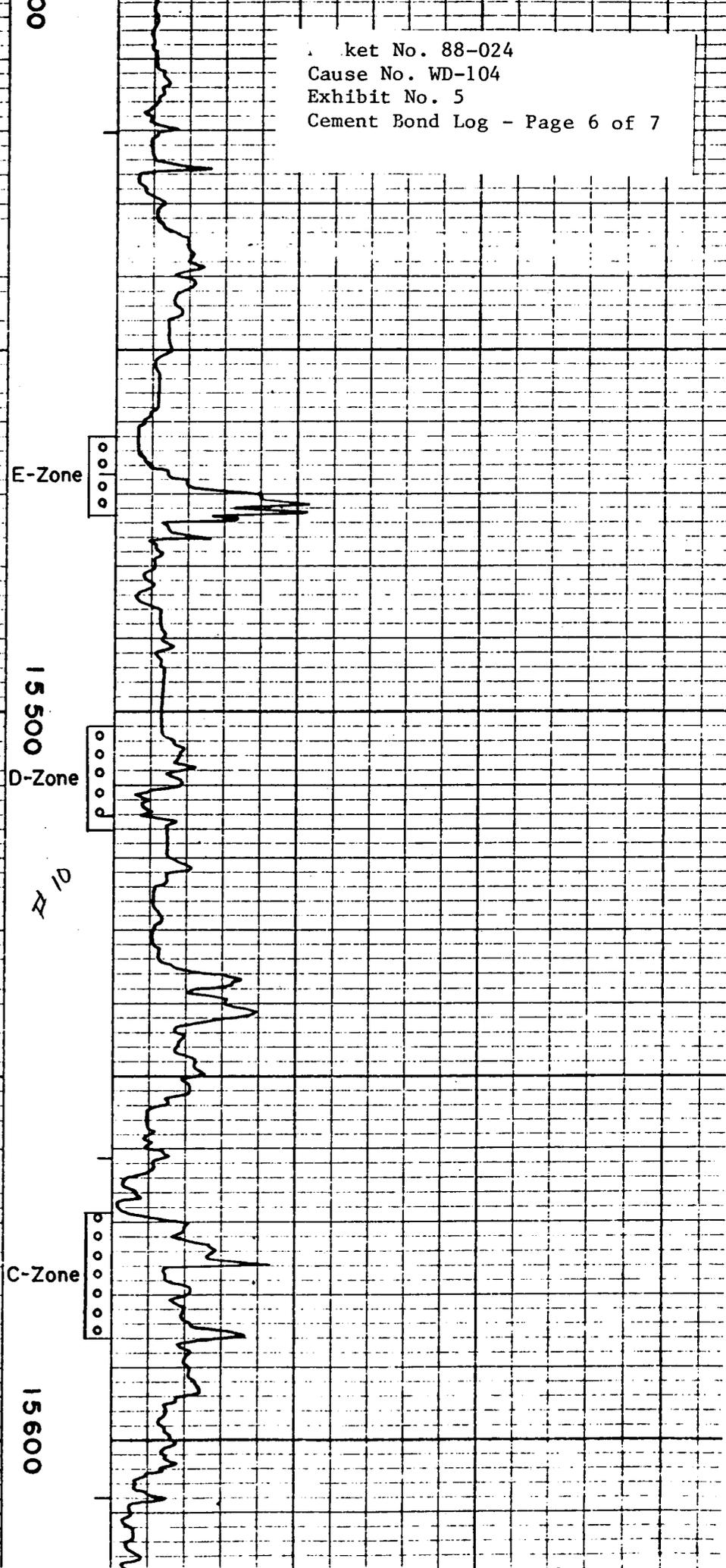
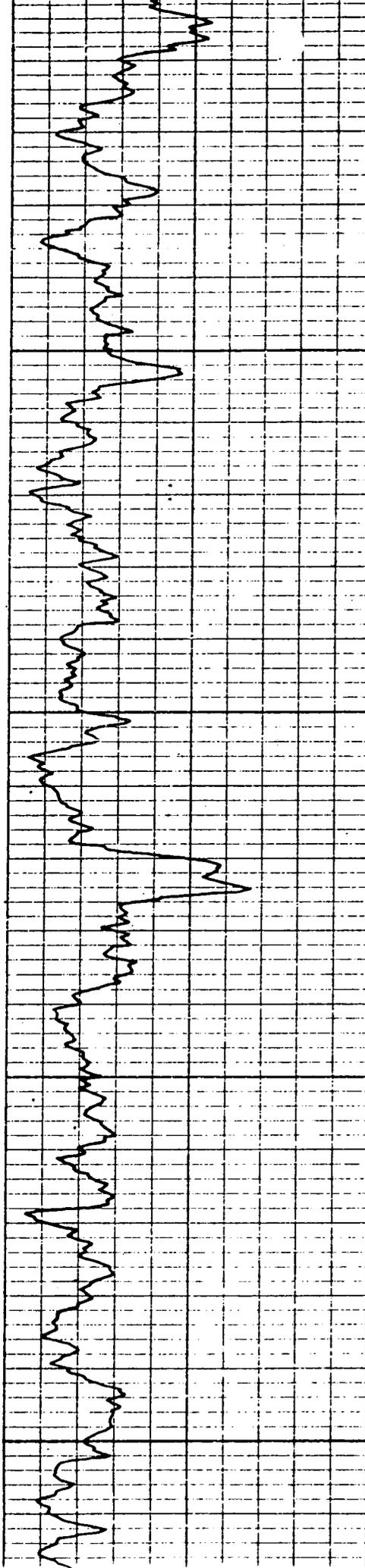
H-Zone

15400



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o



E-Zone

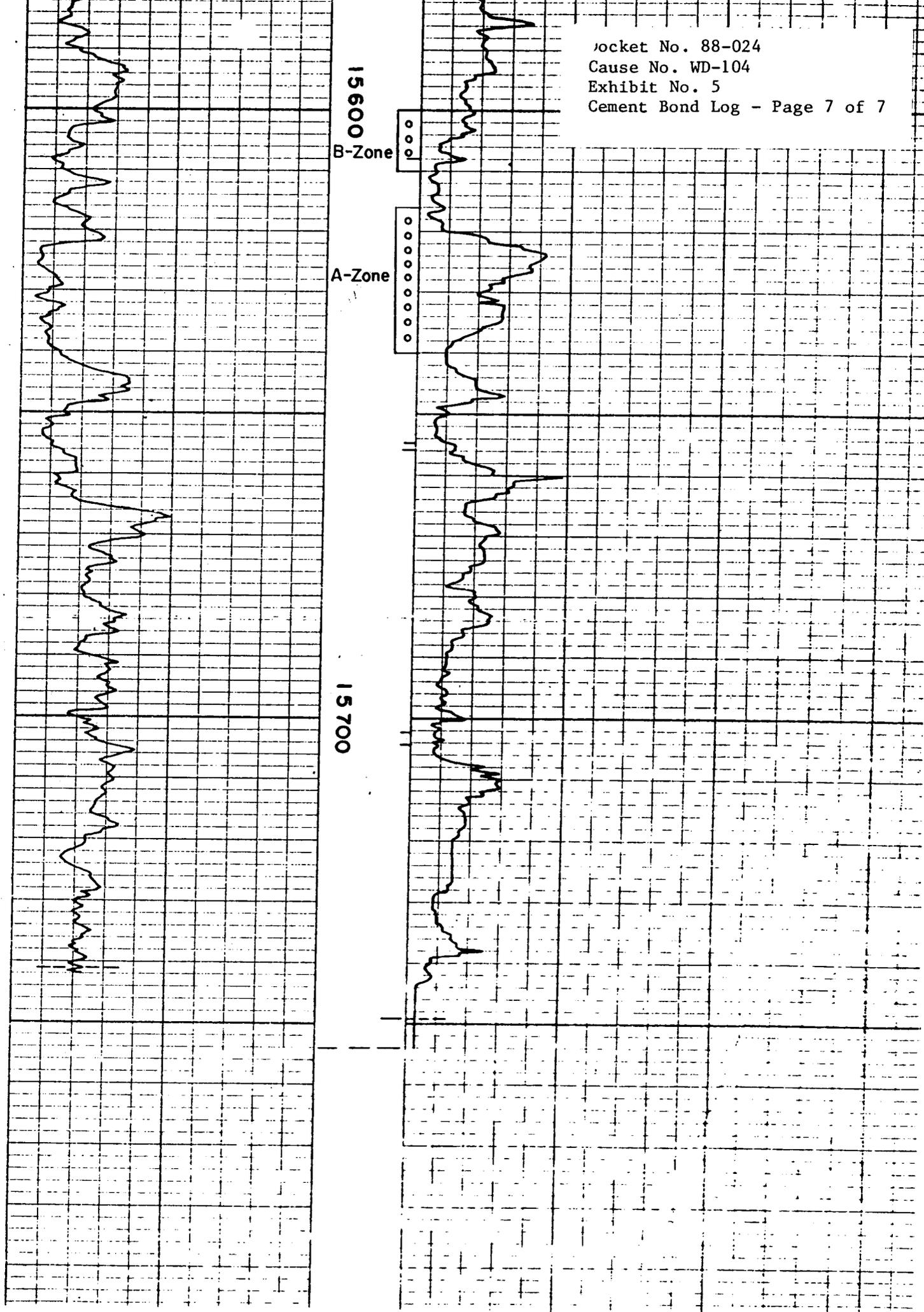
15500

D-Zone

Z 10

C-Zone

15600



# RAY, QUINNEY & NEBEKER

PROFESSIONAL CORPORATION  
ATTORNEYS AT LAW

ALONZO W. WATSON, JR.  
STEPHEN B. NEBEKER  
MITCHELL MELICH  
L. RIDD LARSON  
DON B. ALLEN  
MERLIN O. BAKER  
CLARK P. GILES  
JAMES W. FREED  
NARRVEL E. HALL  
JAMES L. WILDE  
M. JOHN ASHTON  
HERBERT C. LIVSEY  
WILLIAM A. MARSHALL  
JAMES Z. DAVIS  
PAUL S. FELT  
GERALD T. SNOW  
ALAN A. ENKE  
JONATHAN A. DIBBLE  
SCOTT H. CLARK  
STEVEN H. GUNN  
JAMES S. JARDINE  
KENT H. MURDOCK  
JANET HUGIE SMITH  
DOUGLAS MATSUMORI  
ROBERT P. HILL  
RICHARD G. ALLEN  
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ALLEN L. ORR  
BRAD D. HARDY  
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A. ROBERT THORUP  
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ANTHONY B. QUINN  
THOMAS L. KAY  
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DOUGLAS M. MONSON  
CRAIG CARLILE  
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ENID GREENE  
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STEPHEN C. TINGEY  
CRAIG L. TAYLOR  
KELLY J. FLINT  
MARK O. MORRIS  
STEVEN J. AESCHBACHER  
PAUL D. NEWMAN  
KEITH A. KELLY  
RICK L. ROSE  
MARK Y. HIRATA  
RICK B. HOGGARD  
LYNN H. PACE  
LISA A. YERKOVICH  
OF COUNSEL  
ALBERT R. BOWEN  
W. J. O'CONNOR, JR.

400 DESERET BUILDING  
79 SOUTH MAIN STREET  
P. O. BOX 45385  
SALT LAKE CITY, UTAH 84145-0385  
TELEPHONE (801) 532-1500  
TELECOPIER NO. (801) 532-7543

210 FIRST SECURITY BANK BLDG.  
92 NORTH UNIVERSITY AVENUE  
PROVO, UTAH 84601-4420  
(801) 226-7210

1020 FIRST SECURITY BANK BLDG.  
2404 WASHINGTON BOULEVARD  
OGDEN, UTAH 84401-2306  
(801) 621-0713

PAUL H. RAY (1893-1967)  
A. H. NEBEKER (1895-1980)  
S. J. QUINNEY (1893-1983)

December 1, 1988

Mr. Gil Hunt  
State of Utah Natural Resources  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

Docket No. 88-024  
Cause No. WD-104  
Exhibit No. 7A  
Water Compatibility  
Page 1 of 4

Dear Mr. Hunt:

Attached are two water analyses of the Fork A #10 produced water. These analyses are representative of the formation water in the Fork A #10 well at the Bridger Lake Unit. The following zones were open for these analyses:

15,266' - 15,274'	Mowry Formation
15,337' - 15,348'	Dakota Formation (H-Zone)
15,569' - 15,586'	Dakota Formation (C-Zone)
15,616' - 15,640'	Dakota Formation (A-Zone)

The above zones bracket all of the current open zones and would include all zones potentially affected by the water disposal well.

Mr. Gil Hunt  
State of Utah Natural Resources  
December 1, 1988  
Page 2

If you have additional questions, please contact Blair  
Murphy at (303) 850-3407.

Very truly yours,

RAY, QUINNEY & NEBEKER

A handwritten signature in cursive script that reads "Alan A. Enke". The signature is written in dark ink and is positioned above the printed name.

Alan A. Enke

AAE/srr  
Enclosure  
153a

# CHEMICAL & GEOLOGICAL LABORATORIES

P. O. Box 279  
Casper, Wyoming

## WATER ANALYSIS REPORT

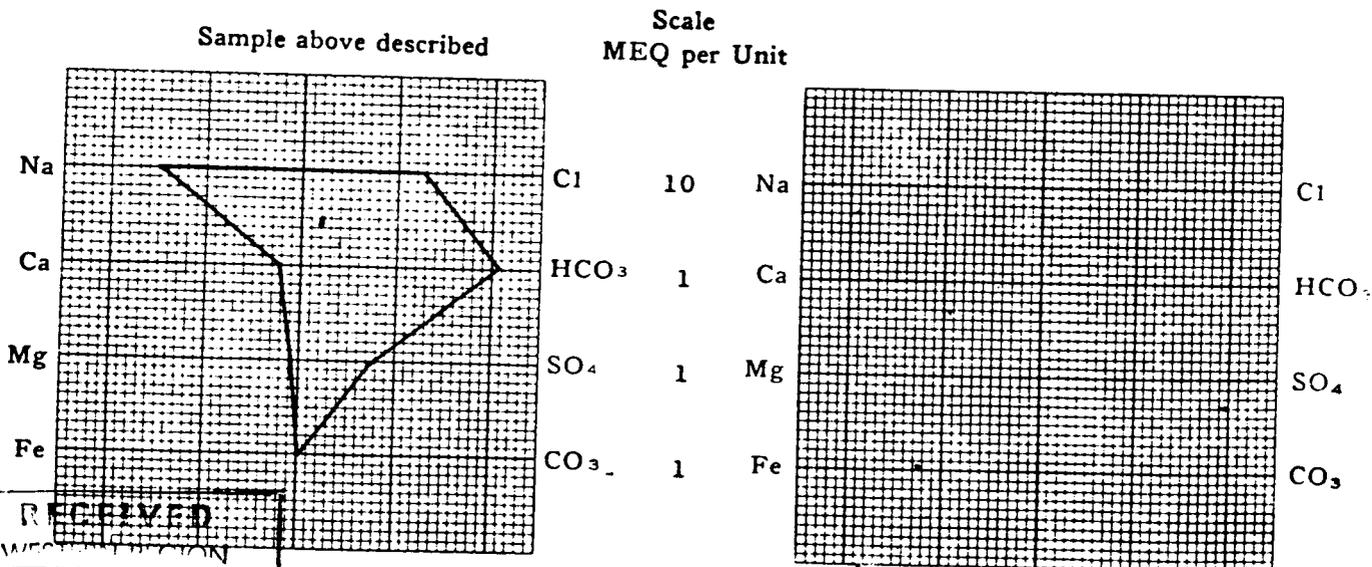
OPERATOR Phillips Petroleum Company DATE April 15, 1969 LAB NO. 1726  
 WELL NO. Fork A-10 LOCATION NW SE 14-3N-14E  
 FIELD Bridger Lake FORMATION Dakota  
 COUNTY Summit INTERVAL 15,266-15,640  
 STATE Utah SAMPLE FROM Production

REMARKS & CONCLUSIONS: Clear water.

Correlates with Dakota water in this field.

Cations			Anions		
	mg/l	meq/l		mg/l	meq/l
Sodium	3524	153.31	Sulfate	362	7.53
Potassium	8	0.20	Chloride	4550	128.31
Lithium	-	-	Carbonate	0	-
Calcium	44	2.20	Bicarbonate	1257	20.61
Magnesium	9	0.74	Hydroxide	-	-
Iron	Absent	-	Hydrogen sulfide	Absent	-
Total Cations		156.45	Total Anions		156.45
Total dissolved solids, mg/l		9116	Specific resistance @ 68°F.:		
NaCl equivalent, mg/l		8662	Observed	0.72	ohm-meters
Observed pH		7.7	Calculated	0.76	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

RAB 4/17/69

RECEIVED  
 WATER DIVISION  
 APR 17 1969  
 Analyst \_\_\_\_\_  
 Ext. Dir \_\_\_\_\_  
 Pres. Man \_\_\_\_\_

JAN 10 1972

CHEM LAB

WATER ANALYSIS EXCHANGE REPORT



Dist. No.	
Prod. No.	
Exp. No.	
Other	

MEMBER Phillips Petroleum Company  
 OPERATOR Phillips Petroleum Company  
 WELL NO. Fork A-10  
 FIELD Bridger Lake  
 COUNTY Summit  
 STATE Utah

LAB NO. 6979 REPORT NO. \_\_\_\_\_  
 LOCATION Section 14-3N-14E  
 FORMATION Dakota  
 INTERVAL 15,266-15,640  
 SAMPLE FROM Produced water 12/22/71  
 DATE January 5, 1972

REMARKS & CONCLUSIONS: Cloudy water.

Cations			Anions		
	mg/l	meq/l		mg/l	meq/l
Sodium	3526	153.40	Sulfate	342	7.11
Potassium	10	0.03	Chloride	4700	132.54
Lithium	-	-	Carbonate	60	2.00
Calcium	29	1.45	Bicarbonate	927	15.20
Magnesium	24	1.97	Hydroxide	-	-
Iron	absent	-	Hydrogen sulfide	absent	-
Total Cations		156.85	Total Anions		156.85

Total dissolved solids, mg/l - - - - 9148  
 NaCl equivalent, mg/l - - - - 8808  
 Observed pH - - - - 8.4

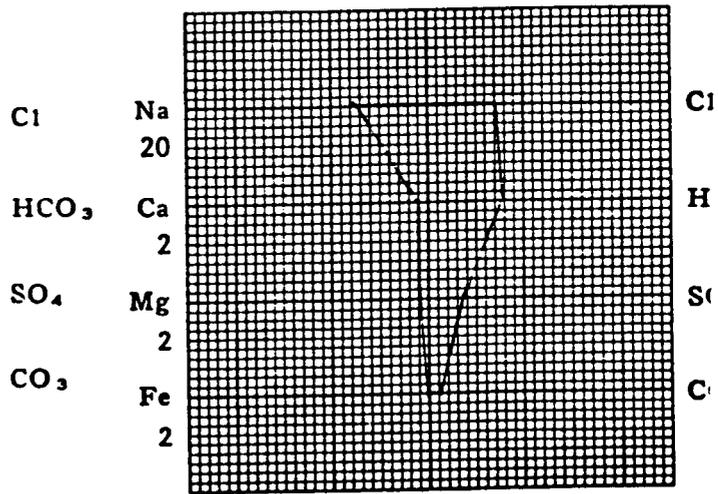
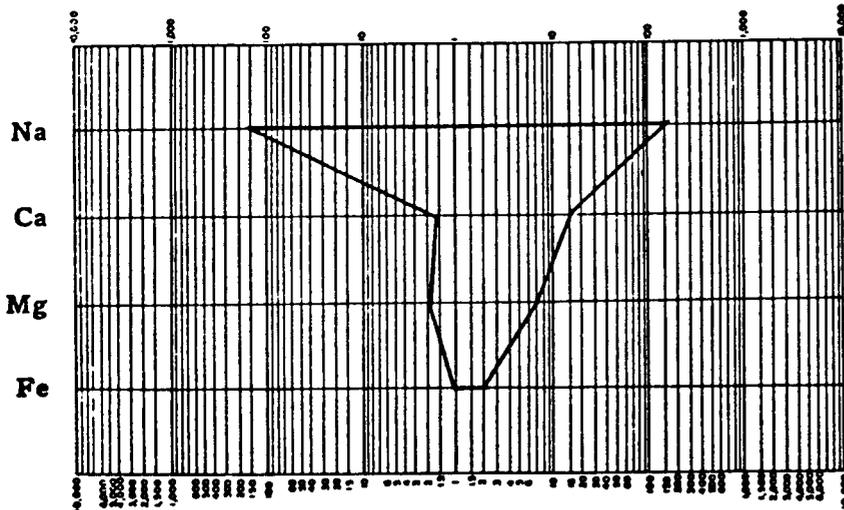
Specific resistance @ 68° F.:  
 Observed - - - - 0.76 ohm-meters  
 Calculated - - - - 0.74 ohm-meters

WATER ANALYSIS PATTERNS

MEQ per unit

LOGARITHMIC

STANDARD



(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

011 P02

08-NOV-88

# CORE LABORATORIES, INC. ANALYTICAL REPORT

LAB #: 885247-1

## PHILLIPS PETROLEUM

WELL #: BRIDGER LAKE BATTERY #1  
COUNTY: STATE:  
FORMATION:  
DATE SAMPLED:

FIELD:  
LOCATION:  
INTERVAL:  
SAMPLE ORIGIN:

7, 2, 13, 8, 1,  
14, 7

REMARKS:

CORE LABORATORIES

	MG/L	MEQ/L		MG/L	MEQ/L		MG/L
SODIUM	2400	104.40	SULFATE	128	2.66	CALC. SODIUM	2412
POTASSIUM	26	0.67	CHLORIDE	2850	80.37	NACL EQUIVALENT	5832
CALCIUM	43	2.15	CARBONATE	0	0.00	CALC TDS* @356 F	6210
MAGNESIUM	6	0.49	BICARBONATE	1537	25.21	API TDS* @221 F	6990
			HYDROXIDE	0	0.00		
TOTAL CATIONS		107.71	TOTAL ANIONS		108.24	* TOTAL DISSOLVED SOLIDS	

SPECIFIC RESISTANCE AT 68F (OHM-M):

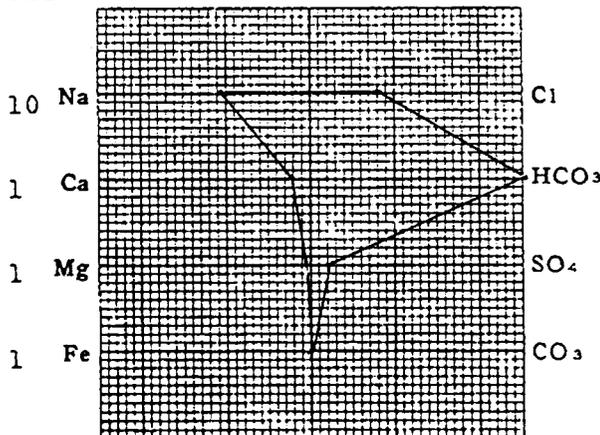
OBSERVED pH 8.2

OBSERVED 1.11  
CALCULATED 1.11

Docket No. 88-024  
Cause No. WD-104  
Exhibit No. 7  
Water Compatibility  
Page 2 of 3

### WATER ANALYSIS PATTERN

Scale  
MEQ per Unit



(Na value in above graph includes Na and K)

NOTE: Mg/l = milligrams per liter  
Meq/l = milligram equivalent per liter

Sodium chloride equivalent =  
by Dunlap & Hawthorne  
calculation from components

1988-11-08 15:06 1 307 266 1678

VII P03

08-NOV-88

# CORE LABORATORIES, INC. ANALYTICAL REPORT

LAB #: 885247-2

## PHILLIPS PETROLEUM

WELL #: BRIDGER LAKE BATTERY #2  
COUNTY: STATE:  
FORMATION:  
DATE SAMPLED:

FIELD:  
LOCATION:  
INTERVAL:  
SAMPLE ORIGIN:

*6, 11, 12*

REMARKS:

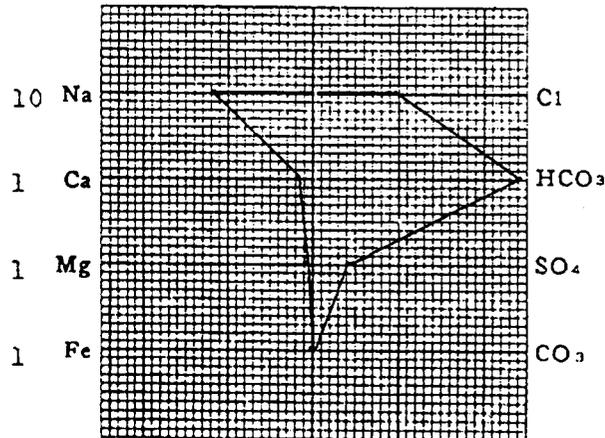
	MG/L	MEQ/L		MG/L	MEQ/L		MG/L
SODIUM	2710	117.89	SULFATE	194	4.04	CALC. SODIUM	2689
POTASSIUM	82	2.10	CHLORIDE	3300	93.06	NACL EQUIVALENT	6657
CALCIUM	29	1.45	CARBONATE	0	0.00	CALC TDS* @356 F	7043
MAGNESIUM	7	0.58	BICARBONATE	1464	24.01	API TDS* @221 F	7786
			HYDROXIDE	0	0.00		
TOTAL CATIONS			TOTAL ANIONS			* TOTAL DISSOLVED SOLIDS	
122.01			121.11				

SPECIFIC RESISTANCE AT 68F (OHM-M):  
OBSERVED 0.99  
CALCULATED 0.97

OBSERVED pH 7.5

Docket No. 88-024  
Cause No. WD-104  
Exhibit No. 7  
Water Compatibility  
Page 3 of 3

WATER ANALYSIS PATTERN  
Scale  
MEQ per Unit



(Na value in above graph includes Na and K)

NOTE: Mg/l = milligrams per liter  
Meq/l = milligram equivalent per liter

Sodium chloride equivalent =  
by Dunlap & Hawthorne  
calculation from components

Geological Data  
Phillips Fork A-10  
Sec. 14 T3N-R14E  
Summit Co., Utah

Disposal interval 15266-15640 Mowry Sand through Dakota A zone.

Perforated Depth	Zone	Gross thickness*	Net thickness**	Avg $\phi$
15266-15274	Mowry SS	8'	0'	5.5%
15337-15348	Dakota H SS	14'	bad log	bad log
15462-15473	Dakota E SS	13'	6'	15%
15502-15516	Dakota D-2 SS	9'	9'	13%
15569-15586	Dakota C SS	15'	14'	17%
15600-15610	Dakota B SS	7'	6'	14%
15616-15640	Dakota A SS	39'	31'	17%

\*GR cutoff

\*\*10% Density Porosity cutoff

Logs covering disposal interval: Spontaneous Potential, Dual Induction, Gamma Ray, Compensated Density, Neutron

Sandstones in the Dakota Formation are of Cretaceous Age and were deposited in this area as a series of generally north-trending fluvial channels. There is an increase in marine influence towards the top of the Dakota section. The overlying Mowry Sandstone was deposited as a discontinuous marine bar. The shales of the Mowry Formation are marine in nature; their thickness and continuity preclude the upward migration of fluids injected into the Dakota and Mowry sandstones. The underlying Morrison Formation is Jurassic in age and was deposited in a non-marine alluvial plain environment. Thick shales within the Morrison would prevent downward migration of waters disposed of in the overlying Dakota Formation.

Cause No. WD-104  
Docket No. 88-024  
Exhibit #8

JLG1188.021

**Petroleum Information Corporation**  
 COPYRIGHT 1988 PETROLEUM INFORMATION CORPORATION

WELL NAME	FIELD	UNDESIGNATED	YR TO DTE
JUL TA 0	EXXON CORPORATION	SEP TA 0	OCT TA 0
3N 14E 14 NHSE	PHILLIPS PETROLEUM CO	SEP TA 0	OCT TA 0
OIL BBL 1195	AUG 1083	SEP 746	OCT 324
GAS MCF 1415	1724	1232	324
MTR BBL 9994	8188	7821	2649
3N 14E 23 SMNH	PHILLIPS PETROLEUM CO	SEP SI 0	OCT SI 0
OIL BBL 88	AUG 83	SEP 233	OCT SI 0
GAS MCF 9455	11872	31212	1098
MTR BBL 133	122	1098	0
3N 14E 23 SHSE	PHILLIPS OIL COMPANY	SEP INJ 0	OCT INJ 0
OIL BBL 0	AUG 0	SEP INJ 0	OCT INJ 0
GAS MCF 0	INJ 0	INJ 0	INJ 0
MTR BBL 0	0	0	0
3N 14E 24 SHSE	PHILLIPS PETROLEUM CO	SEP INJ 0	OCT INJ 0
OIL BBL 3158	AUG 3524	SEP 2008	OCT 1850
GAS MCF 6475	7385	4997	5572
MTR BBL 22	25	32	229
3N 14E 25 NMSH	PHILLIPS OIL COMPANY	SEP SI 0	OCT SI 0
OIL BBL 0	AUG 0	SEP SI 0	OCT SI 0
GAS MCF 0	SI 0	SI 0	SI 0
MTR BBL 0	0	0	0
3N 14E 25 MNWH	PHILLIPS OIL COMPANY	SEP INJ 0	OCT INJ 0
OIL BBL 0	AUG 0	SEP INJ 0	OCT INJ 0
GAS MCF 0	INJ 0	INJ 0	INJ 0
MTR BBL 0	0	0	0
3N 14E 25 SHWE	PHILLIPS PETROLEUM CO	SEP SI 0	OCT SI 0
OIL BBL 614	AUG 679	SEP 452	OCT 78
GAS MCF 679	997	757	109
MTR BBL 48	77	82	32
3N 14E 26 NHSE	PHILLIPS PETROLEUM CO	SEP SI 0	OCT SI 0
OIL BBL 9606	AUG 10628	SEP 7024	OCT 7395
GAS MCF 158595	185200	153334	165511
MTR BBL 699	451	655	2559
3N 14E 26 MNWH	PHILLIPS PETROLEUM CO	SEP SI 0	OCT SI 0
OIL BBL 0	AUG 0	SEP SI 0	OCT SI 0
GAS MCF 0	SI 0	SI 0	SI 0
MTR BBL 0	0	0	0
3N 14E 35 MNNE	PHILLIPS PETROLEUM CO	SEP SI 0	OCT SI 0
OIL BBL 3342	AUG 3710	SEP 7622	OCT 6005
GAS MCF 12213	13908	18202	11285
MTR BBL 3623	2451	1573	1844
3N 14E 36 SMNH	PHILLIPS PETROLEUM CO	SEP SI 0	OCT SI 0
OIL BBL 0	AUG 0	SEP SI 0	OCT SI 0
GAS MCF 0	SI 0	SI 0	SI 0
MTR BBL 0	0	0	0
3N 23E 24 NHSE	YANRYAN L O	SEP NR 0	OCT NR 0
OIL BBL 0	AUG 1772	SEP 1879	OCT NR 0
GAS MCF 1344	0	0	0
MTR BBL 0	0	0	0
3N 24E 24E	MEXPRO CO	SEP NR 0	OCT NR 0
OIL BBL 0	AUG 0	SEP NR 0	OCT NR 0
GAS MCF 0	0	0	0
MTR BBL 0	0	0	0
3N 24E 15 NESH	MEXPRO CO	SEP OCT 22	OCT 22
OIL BBL 0	AUG 0	SEP 0	OCT 5225
GAS MCF 0	0	0	2
MTR BBL 0	0	0	2
3N 24E 16 NHSE	MEXPRO CO	SEP OCT 54	OCT 54
OIL BBL 0	AUG 0	SEP 0	OCT 8614
GAS MCF 0	0	0	5
MTR BBL 0	0	0	5
3N 24E 16 SESM	MEXPRO CO	SEP OCT 16	OCT 16
OIL BBL 0	AUG 0	SEP 0	OCT 5965
GAS MCF 0	0	0	1
MTR BBL 0	0	0	1
3N 24E 17 SESE	MEXPRO CO	SEP OCT 0	OCT 0
OIL BBL 0	AUG 0	SEP 0	OCT 0
GAS MCF 0	0	0	0
MTR BBL 0	0	0	0
3N 24E 19 NENE	MEXPRO CO	SEP OCT 12	OCT 12
OIL BBL 0	AUG 13046	SEP 0	OCT 6318
GAS MCF 0	0	0	8
MTR BBL 0	0	0	8
3N 24E 19 NENE	MEXPRO CO	SEP OCT 12	OCT 12
OIL BBL 0	AUG 0	SEP 0	OCT 6318
GAS MCF 0	0	0	8
MTR BBL 0	0	0	8
3N 24E 19 NENE	MEXPRO CO	SEP OCT 12	OCT 12
OIL BBL 0	AUG 0	SEP 0	OCT 6318
GAS MCF 0	0	0	8
MTR BBL 0	0	0	8
3N 24E 19 NENE	MEXPRO CO	SEP OCT 12	OCT 12
OIL BBL 0	AUG 0	SEP 0	OCT 6318
GAS MCF 0	0	0	8
MTR BBL 0	0	0	8
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GAS MCF 0	0	0	8
MTR BBL 0	0	0	8
3N 24E 19 NENE	MEXPRO CO	SEP OCT 12	OCT 12
OIL BBL 0	AUG 0	SEP 0	OCT 6318
GAS MCF 0	0	0	8
MTR BBL 0	0	0	8
3N 24E 19 NENE	MEXPRO CO	SEP OCT 12	OCT 12
OIL BBL 0	AUG 0	SEP 0	OCT 6318
GAS MCF 0	0	0	8
MTR BBL 0	0	0	8
3N 24E 19 NENE	MEXPRO CO	SEP OCT 12	OCT 12
OIL BBL 0	AUG 0	SEP 0	OCT 6318
GAS MCF 0	0	0	8
MTR BBL 0	0	0	8
3N 24E 19 NENE	MEXPRO CO	SEP OCT 12	OCT 12
OIL BBL 0	AUG 0	SEP 0	OCT 6318
GAS MCF 0	0	0	8
MTR BBL 0	0	0	8
3N 24E 19 NENE	MEXPRO CO	SEP OCT 12	OCT 12
OIL BBL 0	AUG 0	SEP 0	OCT 6318
GAS MCF 0	0	0	8
MTR BBL 0	0	0	8
3N 24E 19 NENE	MEXPRO CO	SEP OCT 12	OCT 12
OIL BBL 0	AUG 0	SEP 0	OCT 6318
GAS MCF 0	0	0	8
MTR BBL 0	0	0	8
3N 24E 19 NENE	MEXPRO CO	SEP OCT 12	OCT 12
OIL BBL 0	AUG 0	SEP 0	OCT 6318
GAS MCF 0	0	0	8
MTR BBL 0	0	0	8
3N 24E 19 NENE	MEXPRO CO	SEP OCT 12	OCT 12
OIL BBL 0	AUG 0	SEP 0	OCT 6318
GAS MCF 0	0	0	8
MTR BBL 0	0	0	8
3N 24E 19 NENE	MEXPRO CO	SEP OCT 12	OCT 12
OIL BBL 0	AUG 0	SEP 0	OCT 6318
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OIL BBL 0	AUG 0	SEP 0	OCT 6318
GAS MCF 0	0	0	8
MTR BBL 0	0	0	8
3N 24E 19 NENE	MEXPRO CO	SEP OCT 12	OCT 12
OIL BBL 0	AUG 0	SEP 0	OCT 6318
GAS MCF 0	0	0	8
MTR BBL 0	0	0	8
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OIL BBL 0	AUG 0	SEP 0	OCT 6318
GAS MCF 0	0	0	8
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OIL BBL 0	AUG 0	SEP 0	OCT 6318
GAS MCF 0	0	0	8
MTR BBL 0	0	0	8
3N 24E 19 NENE	MEXPRO CO	SEP OCT 12	OCT 12
OIL BBL 0	AUG 0	SEP 0	OCT 6318
GAS MCF 0	0	0	8
MTR BBL 0	0	0	8
3N 24E 19 NENE	MEXPRO CO	SEP OCT 12	OCT 12
OIL BBL 0	AUG 0	SEP 0	OCT 6318
GAS MCF 0	0	0	8
MTR BBL 0	0	0	8
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OIL BBL 0	AUG 0	SEP 0	OCT 6318
GAS MCF 0	0	0	8
MTR BBL 0	0	0	8
3N 24E 19 NENE	MEXPRO CO	SEP OCT 12	OCT 12
OIL BBL 0	AUG 0	SEP 0	OCT 6318
GAS MCF 0	0	0	8
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3N 24E 19 NENE	MEXPRO CO	SEP OCT 12	OCT 12
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GAS MCF 0	0	0	8
MTR BBL 0	0	0	8
3N 24E 19 NENE	MEXPRO CO	SEP OCT 12	OCT 12
OIL BBL 0	AUG 0	SEP 0	OCT 6318
GAS MCF 0	0	0	8
MTR BBL 0	0	0	8
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OIL BBL 0	AUG 0	SEP 0	OCT 6318
GAS MCF 0	0	0	8
MTR BBL 0	0	0	8
3N 24E 19 NENE	MEXPRO CO	SEP OCT 12	OCT 12
OIL BBL 0	AUG 0	SEP 0	OCT 6318
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3N 24E 19 NENE	MEXPRO CO	SEP OCT 12	OCT 12
OIL BBL 0	AUG 0	SEP 0	OCT 6318
GAS MCF 0	0	0	8
MTR BBL 0	0	0	8
3N 24E 19 NENE	MEXPRO CO	SEP OCT 12	OCT 12
OIL BBL 0	AUG 0	SEP 0	OCT 6318
GAS MCF 0	0	0	8
MTR BBL 0	0	0	8
3N 24E 19 NENE	MEXPRO CO	SEP OCT 12	OCT 12
OIL BBL 0	AUG 0	SEP 0	OCT 6318
GAS MCF 0	0	0	8
MTR BBL 0	0	0	8
3N 24E 19 NENE	MEXPRO CO	SEP OCT 12	OCT 12
OIL BBL 0	AUG 0	SEP 0	OCT 6318
GAS MCF 0	0	0	8
MTR BBL 0	0	0	8
3N 24E 19 NENE	MEXPRO CO	SEP OCT 12	OCT 12
OIL BBL 0	AUG 0	SEP 0	OCT 6318
GAS MCF 0	0	0	8
MTR BBL 0	0	0	8
3N 24E 19 NENE	MEXPRO CO	SEP OCT 12	OCT 12
OIL BBL 0	AUG 0	SEP 0	OCT 6318
GAS MCF 0	0	0	8
MTR BBL 0	0	0	8
3N 24E 19 NENE	MEXPRO CO	SEP OCT 12	OCT 12
OIL BBL 0	AUG 0	SEP 0	OCT 6318
GAS MCF 0	0	0	8
MTR BBL 0	0	0	8
3N 24E 19 NENE	MEXPRO CO	SEP OCT 12	OCT 12
OIL BBL 0	AUG 0	SEP 0	OCT 6318
GAS MCF 0	0	0	8
MTR BBL 0	0	0	8
3N 24E 19 NENE	MEXPRO CO	SEP OCT 12	OCT 12
OIL BBL 0	AUG 0	SEP 0	OCT 6318
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MTR BBL 0	0	0	8
3N 24E 19 NENE	MEXPRO CO	SEP OCT 12	OCT 12
OIL BBL 0	AUG 0	SEP 0	OCT 6318
GAS MCF 0	0	0	8
MTR BBL 0	0	0	8
3N 24E 19 NENE	MEXPRO CO	SEP OCT 12	OCT 12
OIL BBL 0	AUG 0	SEP 0	OCT 6318
GAS MCF 0	0	0	8
MTR BBL 0	0	0	8
3N 24E 19 NENE	MEXPRO CO	SEP OCT 12	OCT 12
OIL BBL 0	AUG 0	SEP 0	OCT 6318
GAS MCF 0	0	0	8
MTR BBL 0	0	0	8
3N 24E 19 NENE	MEXPRO CO	SEP OCT 12	OCT 12
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GAS MCF 0	0	0	8
MTR BBL 0	0	0	8
3N 24E 19 NENE	MEXPRO CO	SEP OCT 12	OCT 12
OIL BBL 0	AUG 0	SEP 0	OCT 6318
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MTR BBL 0	0	0	8
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OIL BBL 0	AUG 0	SEP 0	OCT 6318
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MTR BBL 0	0	0	8
3N 24E 19 NENE	MEXPRO CO	SEP OCT 12	OCT 12
OIL BBL 0	AUG 0	SEP 0	OCT 6318
GAS MCF 0	0	0	8
MTR BBL 0	0	0	8
3N 24E 19 NENE	MEXPRO CO	SEP OCT 12	OCT 12
OIL BBL 0	AUG 0	SEP 0	OCT 6318
GAS MCF 0	0	0	8
MTR BBL 0	0	0	8
3N 24E 19 NENE	MEXPRO CO	SEP OCT 12	OCT 12
OIL BBL 0	AUG 0	SEP 0	OCT 6318
GAS MCF 0	0	0	8
MTR BBL 0	0	0	8
3N 24E 19 NENE	MEXPRO CO	SEP OCT 12	OCT 12
OIL BBL 0	AUG 0	SEP 0	OCT 6318
GAS MCF 0	0	0	8
MTR BBL 0	0	0	8
3N 24E 19 NENE	MEXPRO CO	SEP OCT 12	OCT 12

RESV	TMP	RGE	SEC	SPOT	OPERATOR	LEASE NAME	FIELD	DFP CONN	RESV	UNIQUE
THNCR MLS 0	2N	7E	19 SHNH		UNION PACIFIC RESOURCES	UPRR 19-2	ELKHORN RIDGE	08-78	THNCR MLS 0	024320
			JAN	SI	FEB	MAR	APR			
			OIL	BBL	SI	SI	SI			
			GAS	MCF	0	0	0		4576	
			WTR	BBL	0	0	0		788	
STUMP MLS 0	3N	7E	1 NENH		AMOCO PRODUCTION COMPANY	UNIT #1-02	ANSCHUTZ RANCH EAST	11-83	NGSD MLS 0	039505
			JAN	INJ	FEB	MAR	APR			
			OIL	BBL	0	0	0			
			GAS	MCF	0	0	0		4503	
			WTR	BBL	0	0	0		0	
STUMP MLS 0	3N	7E	1 NENH		AMOCO ROCKMOUNT COMPANY	CHMP 185 AMC-A #1	ANSCHUTZ RANCH EAST	01-85	NGSD MLS 0	043499
			JAN	0	FEB	MAR	APR			
			OIL	BBL	0	11510	13552		112455	
			GAS	MCF	0	229671	250762		10395903	
			WTR	BBL	0	2100	2971		132175	
STUMP MLS 0	3N	7E	1 NENH		AMOCO ROCKMOUNT COMPANY	CHMP 185A #3	ANSCHUTZ RANCH EAST	07-85	NGSD MLS 0	044883
			JAN	23038	FEB	MAR	APR			
			OIL	BBL	218400	22314	20416		1177052	
			GAS	MCF	1924	278591	243135		8043421	
			WTR	BBL	1924	1858	2038		71944	
THNCR MLS 0	3N	7E	1 NESH		AMOCO ROCKMOUNT COMPANY	CHMP 185 A #2	ANSCHUTZ RANCH EAST	08-85	NGSD MLS 0	045312
			JAN	5151	FEB	MAR	APR			
			OIL	BBL	94931	28771	37297		1966556	
			GAS	MCF	1159	354120	468076		12888507	
			WTR	BBL	1159	3319	4790		127304	
KELV MLS 0	3N	7E	2 SESE		AMOCO ROCKMOUNT COMPANY	ARE #W12-04	ANSCHUTZ RANCH EAST	01-88	NGSD MLS 0	051263
			JAN	32270	FEB	MAR	APR			
			OIL	BBL	324343	12338	20800		118612	
			GAS	MCF	11	149170	264872		1426641	
			WTR	BBL	11	13	5		300	
STUMP MLS 0	3N	7E	4 SWSE		ANSCHUTZ CORP	ANSCHUTZ RNCH 4-1	ANSCHUTZ RANCH	09-80	THNCR MLS 0	029085
			JAN	0	FEB	MAR	APR			
			OIL	BBL	0	0	0		8269	
			GAS	MCF	0	0	0		1403128	
			WTR	BBL	0	0	0		659	
STUMP MLS 0	3N	7E	9 SHNH		AMOCO PRODUCTION COMPANY	CHMP 387 B#1A	ANSCHUTZ RANCH	05-81	THNCR MLS 0	031003
			JAN	2	FEB	MAR	APR			
			OIL	BBL	3141	4006	406		3754	
			GAS	MCF	0	2	0		294015	
			WTR	BBL	0	2	0		436	
STUMP MLS 0	3N	7E	11 NWNE		AMOCO ROCKMOUNT COMPANY	UNIT #W11-01	ANSCHUTZ RANCH EAST	07-86	NGSD MLS 0	048860
			JAN	23227	FEB	MAR	APR			
			OIL	BBL	100011	27373	23797		700715	
			GAS	MCF	4	127551	120591		2609442	
			WTR	BBL	4	4	1		458	
STUMP MLS 0	3N	7E	25 NWSH		AMOCO PRODUCTION COMPANY	CHAMPLIN 544 D#1	PINEVIEW NORTH	09-83	NGSD MLS 0	039009
			JAN	796	FEB	MAR	APR			
			OIL	BBL	25733	8720	21291		138583	
			GAS	MCF	24818	7351	20178		1764641	
			WTR	BBL	24818	7351	20178		354799	
STUMP MLS 0	3N	7E	25 NWNH		AMOCO PRODUCTION COMPANY	CHMP 544 AMOCO D #2	PINEVIEW NORTH	05-84	NGSD MLS 0	041400
			JAN	1770	FEB	MAR	APR			
			OIL	BBL	12204	474	1566		78578	
			GAS	MCF	1002	3659	9972		944832	
			WTR	BBL	1002	328	887		73136	
STUMP MLS 0	3N	7E	26 SENE		APC OPERATING PARTNERSHIP	LOGAN FEDERAL #1	PINEVIEW NORTH	08-82	NGSD MLS 0	036209
			JAN	3375	FEB	MAR	APR			
			OIL	BBL	3990	2735	2053		312864	
			GAS	MCF	13683	35477	28622		3325017	
			WTR	BBL	13683	13623	10765		219163	
STUMP MLS 0	3N	7E	26 NWSE		APC OPERATING PARTNERSHIP	LOGAN FEDERAL #2A	PINEVIEW NORTH	11-83	NGSD MLS 0	039520
			JAN	SI	FEB	MAR	APR			
			OIL	BBL	0	0	0		11380	
			GAS	MCF	0	0	0		82318	
			WTR	BBL	0	0	0		8626	
STUMP MLS 0	3N	7E	34 SESH		AMERICAN QUASAR PETROLE	BOYER #34-1	PINEVIEW	04-77	NGSD MLS 0	022019
			JAN	SMD	FEB	MAR	APR			
			OIL	BBL	0	0	0		13775	
			GAS	MCF	0	0	0		11833	
			WTR	BBL	0	0	0		7460	
STUMP MLS 0	3N	7E	34 SMSH		HAMON OPERATING CO	BOYER #34-2	PINEVIEW	01-83	STUMP MLS 0	037442
			JAN	342	FEB	MAR	APR			
			OIL	BBL	103	327	1080		41250	
			GAS	MCF	0	254	365		73817	
			WTR	BBL	0	377	403		17927	
STUMP MLS 0	3N	7E	34 SESH		BURTON-HAWKS INC	AAGARD #28-1	AAGARD	03-82	KELVN MLS 0	035750
			JAN	0	FEB	MAR	APR			
			OIL	BBL	0	0	0		48246	
			GAS	MCF	0	0	0		192416	
			WTR	BBL	0	0	0		73084	
STUMP MLS 0	3N	7E	34 SESH		BURTON-HAWKS INC	AAGARD #28-2	AAGARD	10-83	KELVN MLS 0	039521
			JAN	0	FEB	MAR	APR			
			OIL	BBL	0	0	0		37305	
			GAS	MCF	0	0	0		91	
STUMP MLS 0	3N	7E	34 SESH		PHILLIPS PETROLEUM CO	UNIT 10	BRIDGER LAKE			
			JAN	SI	FEB	MAR	APR			
			OIL	BBL	0	0	0		368293	
			GAS	MCF	0	0	0		633173	
			WTR	BBL	0	0	0		580815	
STUMP MLS 0	3N	7E	34 SESH		PHILLIPS PETROLEUM CO	UNIT 6	BRIDGER LAKE			
			JAN	SI	FEB	MAR	APR			
			OIL	BBL	0	0	0		1101202	
			GAS	MCF	0	0	0		7650468	
			WTR	BBL	0	0	0		107513	

STATE OF UTAH

DIVISION OF OIL, GAS AND MINING

INJECTION WELL - PRESSURE TEST  
\*\*\*\*\*

TEST DATE: 12-5-88 WELL OWNER/OPERATOR: Phillips Pet. Co

DISPOSAL WELL:  ENHANCED RECOVERY WELL:  OTHER:

API NO: 43-043-30001 WELL NAME/NUMBER: Fork A-10

*NW/SE* SECTION: 14 TOWNSHIP: 3N RANGE: 14E

INITIAL CONDITIONS:

TUBING - rate: 5I pressure: 550

CASING/TUBING ANNULUS - pressure: 0

CONDITIONS DURING TEST:

TUBING pressure: 550 psi for 15 minutes

CASING/TUBING ANNULUS pressure: 1050 psi

annulus pressure drop during test: 50 psi

*Pressured up second time - Held 1050# OK - 15 min.*

CONDITIONS AFTER TEST:

TUBING pressure: 550 psi

CASING/TUBING ANNULUS pressure: 0 psi

REMARKS:

Repressured casing to 1050. Hold 15 min  
OK.

*[Signature]*  
OPERATOR REPRESENTATIVE

*[Signature]*  
DOG M WITNESS



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION VIII

999 18th STREET - SUITE 500  
DENVER, COLORADO 80202-2405

DEC 14 1988

Ref: 8WM-DW

Gil Hunt  
UIC Program Manager  
Division of Oil, Gas, and Mining  
355 West North Temple  
3 Triad Center  
Salt Lake City, Utah 84180-1204

**RECEIVED**  
DEC 16 1988

OIL, GAS & MINING

RE: Aquifer Exemption  
Docket No. 88-024  
Cause No. WD-104

Dear Mr. Hunt:

We have reviewed the application by Phillips Petroleum Company for an aquifer exemption to inject into the Mowry and Dakota Formations using the Fork A #10. The Fork A #10 is located in Section 14, Township 3 North, Range 14 East, S.L.M., in Summit County, Utah. These Formations, at this location, have reported TDS range of 9116-9148 mg/l and would qualify as an underground source of drinking water.

Based on the information supplied by Phillips, the Formations are not currently used as a USDW and will not in the future because of depth and location. EPA concurs in the Board action to exempt the Mowry and Dakota Formations in the Fork A #10 in order to allow injection. This concurrence was communicated by phone on December 5, 1988.

If you have any questions, please call Mike Strieby at (303) 293-1415.

Sincerely,

A handwritten signature in cursive script, appearing to read "Max H. Dodson".

Max H. Dodson  
Director  
Water Management Division

**RECEIVED**  
DEC 23 1988

ATTACHMENT A  
PHILLIPS PETROLEUM COMPANY  
BRIDGER LAKE UNIT

DIVISION OF  
OIL, GAS & MINING

SOURCES AND QUANTITIES OF PRODUCED WATER

<u>FORK "A" WELL</u>	<u>LOCATION</u>	<u>ESTIMATED BHPD PRODUCTION</u>
1	NW SW Sec 25	40
2	NW SE Sec 26	25
3	NW NW Sec 25	145
4	NW NW Sec 26	50
6	SW NW Sec 23	0
7	SW SE Sec 24	10
8	SW NW Sec 36	50
10	NW SE Sec 14	0
13	SW NE Sec 35	10
14	SW NE Sec 25	<u>20</u>
	Total Water Production	350 BHPD

**RECEIVED**  
DEC 23 1988

DIVISION OF  
OIL, GAS & MINING



**FORK "A" # 10**

Summit County, Utah

Docket No. 88-024

Cause No. WD-104

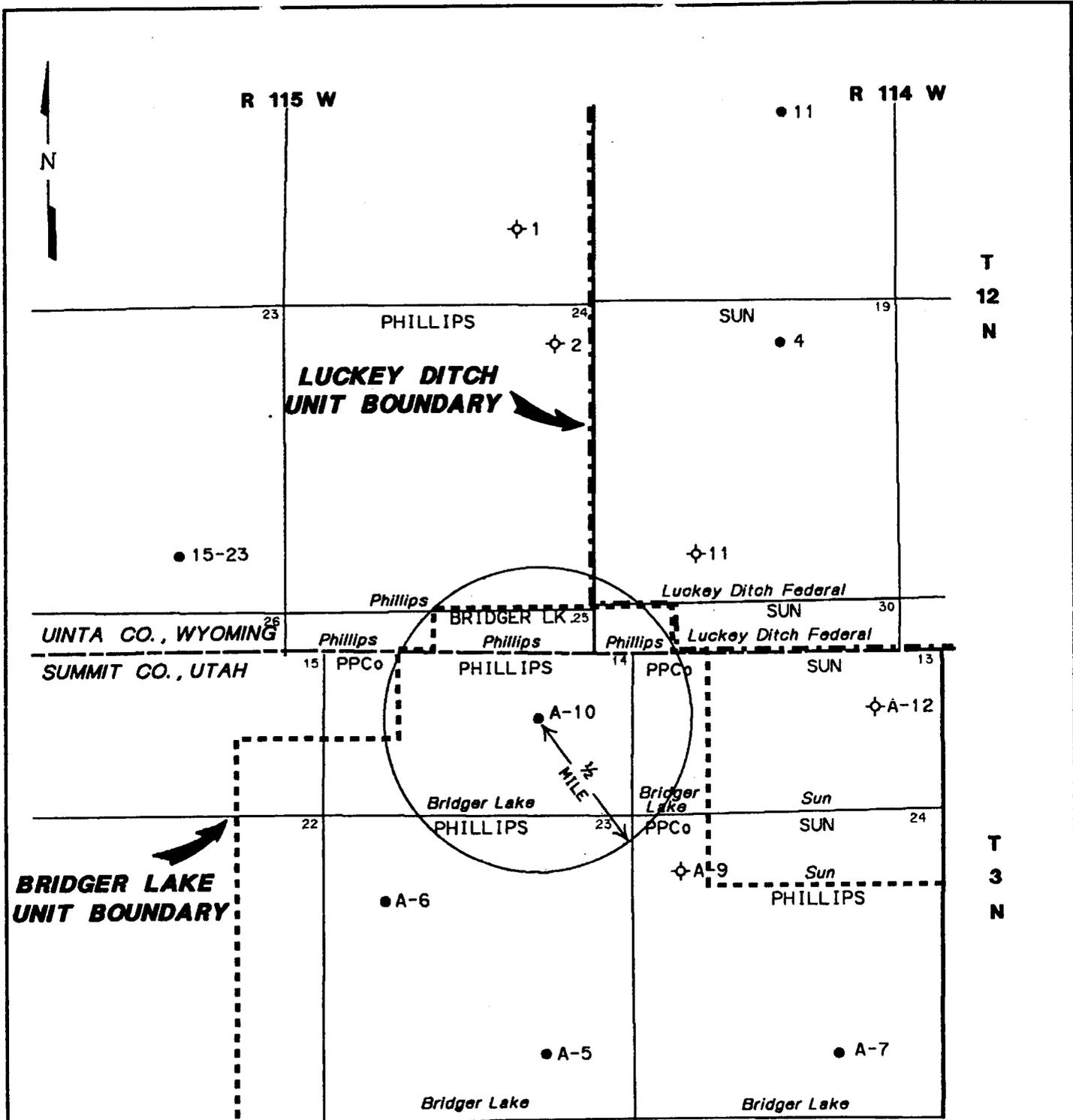
In the Matter of the Request	:	
for Agency Action of Phillips	:	
Petroleum Company for	:	
an Aquifer Exemption and also	:	Docket No. 88-024
for Authorization of the	:	
Conversion to a Water	:	Cause No. WD-104
Disposal Well for the Fork A	:	
No. 10 Well, Section 14,	:	
Township 3 North, Range 14	:	
East, S.L.M., Summit County,	:	
Utah	:	

-----oooOooo-----

Phillips Petroleum Company

Fork A #10  
 NW SE Section 14-T3N-R14E  
 Summit County, Utah

<u>Exhibit</u>	<u>Description</u>
1	Map of Area
2	Proposed Injection Program
3	Completion Data
4	Well Schematic
5	Cement Bond Log
6	Maximum Injection Pressure Calculations
7	Water Compatibility
8	Geologic Data
9	Structure Map of Dakota E-Zone
10	Isopach Map of Dakota E-Zone
11	Isopach Map of Dakota A-Zone
12	Cross-section of Mowry and Dakota Formations
13	Summary of A-Zone Pressures
14	Summary of E-Zone Pressures



Docket No. 88-024  
 Cause No. WD-104  
 Exhibit No. 1

 <b>PHILLIPS PETROLEUM COMPANY</b> <small>SOUTHWESTERN ENERGY GROUP        DENVER, COLORADO</small>			
<b>FORK A        BRIDGER LAKE UNIT        SUMMIT CO., UTAH        UINTA CO., WYOMING</b>			
<b>EXHIBIT 1</b>			
			
<b>SCALE (FEET)</b>			
REVISIONS DATE BY	INTERPRETATION BY: S. MURPHY	DRAFTED BY: DRT	DATE: 10-13-88
FILE NO.: UTR108R			

**FORK A #10  
PROPOSED INJECTION PROGRAM**

**Proposal:** Convert Fork A #10 to a salt water disposal well.

**Current SWD System:** Phillips currently produces 350 BWPD from the Dakota Formation in Bridger Lake Field in Summit County, Utah. The produced water is gathered and stored at Tank Battery #2 (Section 23-T3N-R14E, Summit County, Utah). The water is trucked to a disposal pit (located near Robertson, WY) owned by D&B Disposal.

**Proposed SWD System:** It is proposed to dispose of Phillips produced water into the Mowry and Dakota Formations of the Fork A #10. The estimated rates and pressures are as follows:

Estimated daily average injection rate	-	750 BWPD
Maximum anticipated injection rate	-	2000 BWPD
Initial injection pressure	-	1000 psi
Maximum injection pressure	-	3000 psi

Surface facilities for handling the disposal of the produced water are located at Tank Battery #2. The facilities include a storage tank, an injection pump, and metering equipment. Electric power exists at the tank battery. All water will be chemically treated if necessary prior to being injected. The water will be pumped through existing flowlines to Fork A #10. The tubing and annulus pressures, and metered volumes will be monitored on a daily basis.

**FORK A #10  
COMPLETION DATA**

Location: 1623' FEL, 1686' FSL  
NW SE Section 14-T3N-R14E, Summit County, Utah

Elevations: RKB 9041'  
GL 9019'

Spud Date: 5-3-68

Completion Date: 4-7-69

Perforations: 15,266' - 15,274' Mowry Formation  
15,337' - 15,348' Dakota Formation (H-Zone)  
15,462' - 15,473' Dakota Formation (E-Zone)  
15,502' - 15,516' Dakota Formation (D-Zone)  
15,569' - 15,586' Dakota Formation (C-Zone)  
15,600' - 15,610' Dakota Formation (B-Zone)  
15,616' - 15,640' Dakota Formation (A-Zone)

Deep  
Formation Test: The Nugget Formation 17,734' - 17,818' OA was tested.  
This formation was not productive and was plugged.

**Casing Data:**

Conductor Pipe: Set 24" conductor pipe at 38'.  
Cement circulated to surface.

Surface Casing: Set 16" casing at 420'.  
Cemented with 500 sacks cement.  
Cement circulated to surface.

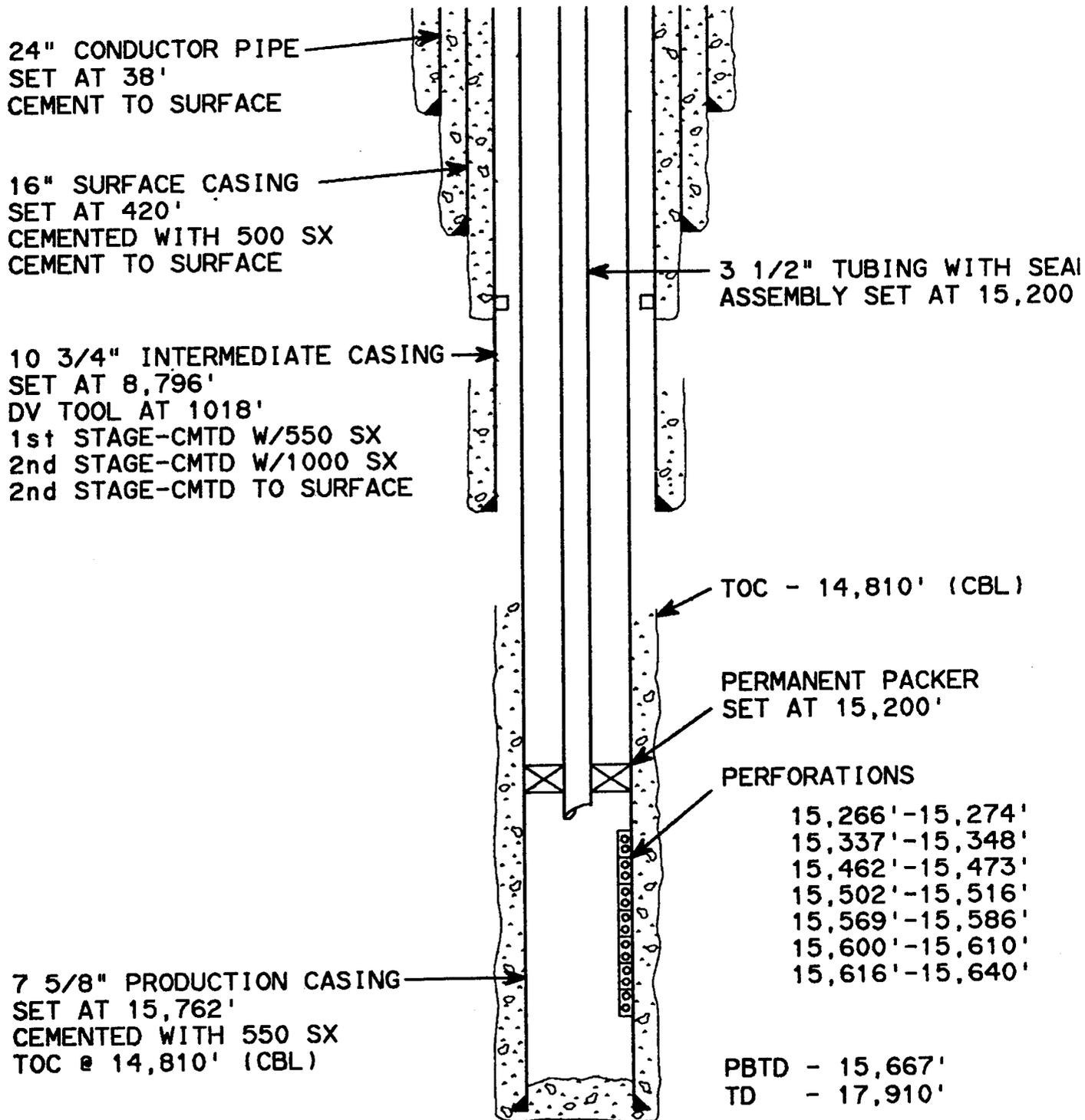
Intermediate  
Casing: Set 10-3/4" casing at 8,796'.  
DV tool at 1018'.  
Cemented 1st stage with 550 sacks cement.  
Cemented 2nd stage with 1000 sacks cement.  
2nd stage cement was circulated to surface.

Production  
Casing: Set 7-5/8" liner from 8,564' - 15,762', cemented with 550  
sacks cement.  
TOC at 14,810' (CBL).  
After drilling to 17,899' and setting the 5" liner, 7-5/8"  
casing was run from surface to 8564' and latched into tie  
back collar.  
Pressure tested casing and collar to 3000 psi - tested ok.

Production  
Liner: Set 5" liner from 15,704' - 17,904'.  
Cemented with 357 sacks cement.

PBTD: 15,667'

## FORK "A" #10 WELL SCHEMATIC



FORM 923192



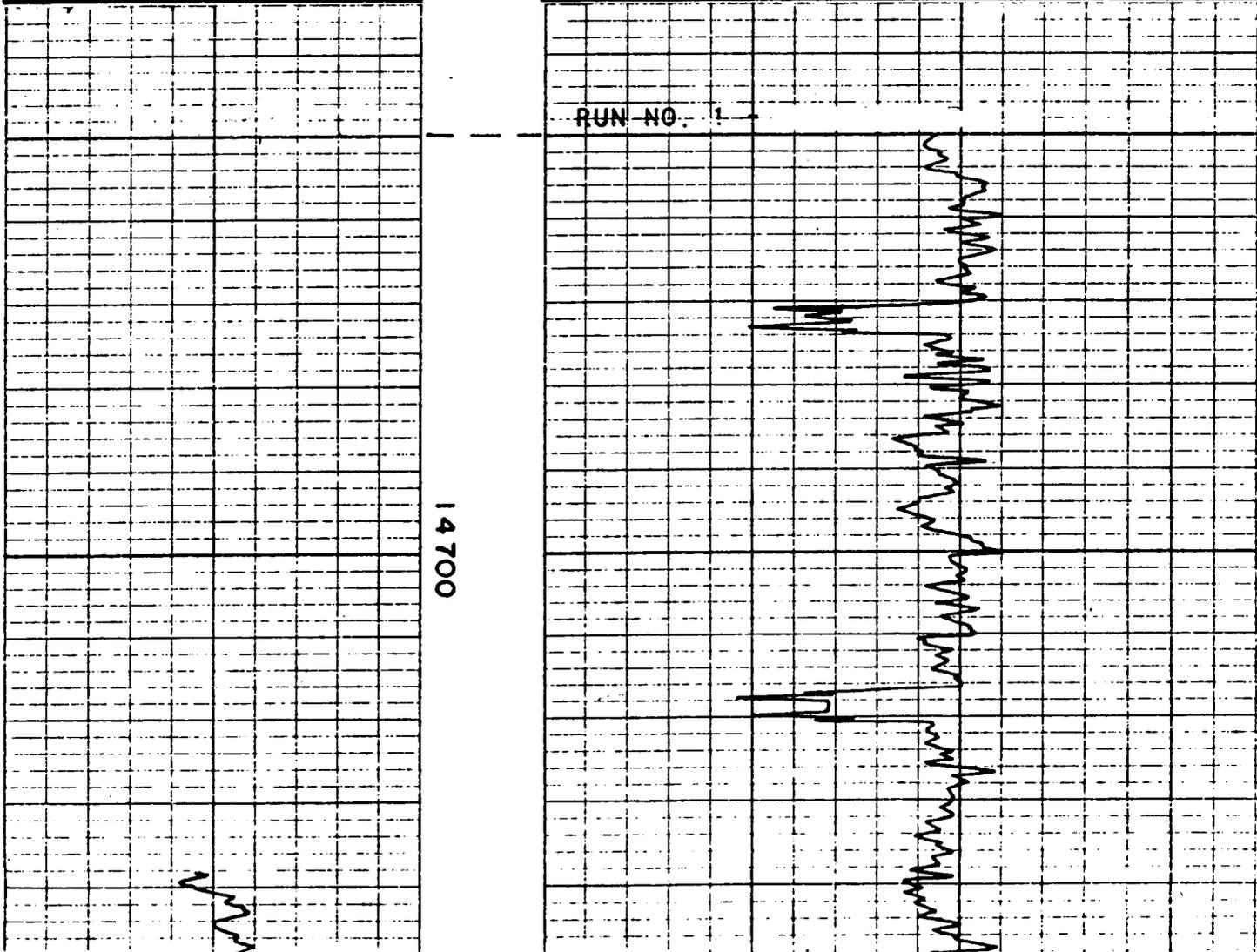
*Acoustic  
 Cement Bond Log*

FILE NO.	COMPANY	PHILLIPS PETROLEUM COMPANY	
	WELL	FORK A NO. 10	
	FIELD	BRIDGER LAKE	
	COUNTY	SUMMIT	STATE
LOCATION:			Other Service
1600 FEL - 1725 FSL			GR-NU
SEC 14 TWP 3N RGE 14E			

Permanent Datum	G-1	Elev.	9018.5	KB	9040.1
Log Measured from	K-B		22 Ft. Above Permanent Datum	DF	9039
Drilling Measured from	K-B			GL	9018.1

Date	CSG. RECORD	Surface	Protection	Production	Liner
9-8-68					
Run No.	ONE	Size	10 3/4	7 5/8	
First Reading	15.749	Wt./Ft.			
Last Reading	14.650	Grade			
Ft. Measured	1.099	Type Joint			
Depth Reached-LW	15.754	Top	SURF.	8562	
Bottom-Driller	15.754	Bottom	8796	15.754	
PRIMARY CEMENTING DATA					
Type Fluid in Csg.	MUD	Type Cement		CLASS G	
Density of Fluid		Vol. of Cement		550 SKS.	
Fluid Level	FULL	Additive		DIACEL	
Max. Temp. Deg. F.	210	% Additive		10	
Tool Series No.	1408	Retarder		FLOSHIF	
Tool Diam.	3 5/8"	% Retarder		3/4 WT 1/4 S	
Standoff Size	CENT.	Slurry Wt.			
Logging Speed	45 /MIN.	Water Loss			
R/A Log Type	GR	Drig. Mud Type			
T.C.	2.0	Drig. Mud Wt.			
Sens. Setting	560	PRIMARY CEMENTING PROCEDURE			
Truck or Unit No.	10 APL.	Started Pumping	DATE	Preceding Fluid	
Location	MP-1127	Plug on Bottom		Vol.	Bbls.
Opr. Rig Time	CASPER	Pres. Released		Returns:	Full Partial None
Recorded by	4 HOURS	Started Bond Log		Pipe Rot. During Pumping:	Yes
Witnessed by	POMRENKE	Finished Bond Log		Pipe Rot. After Plugdown:	Yes
	MICHAELIS				

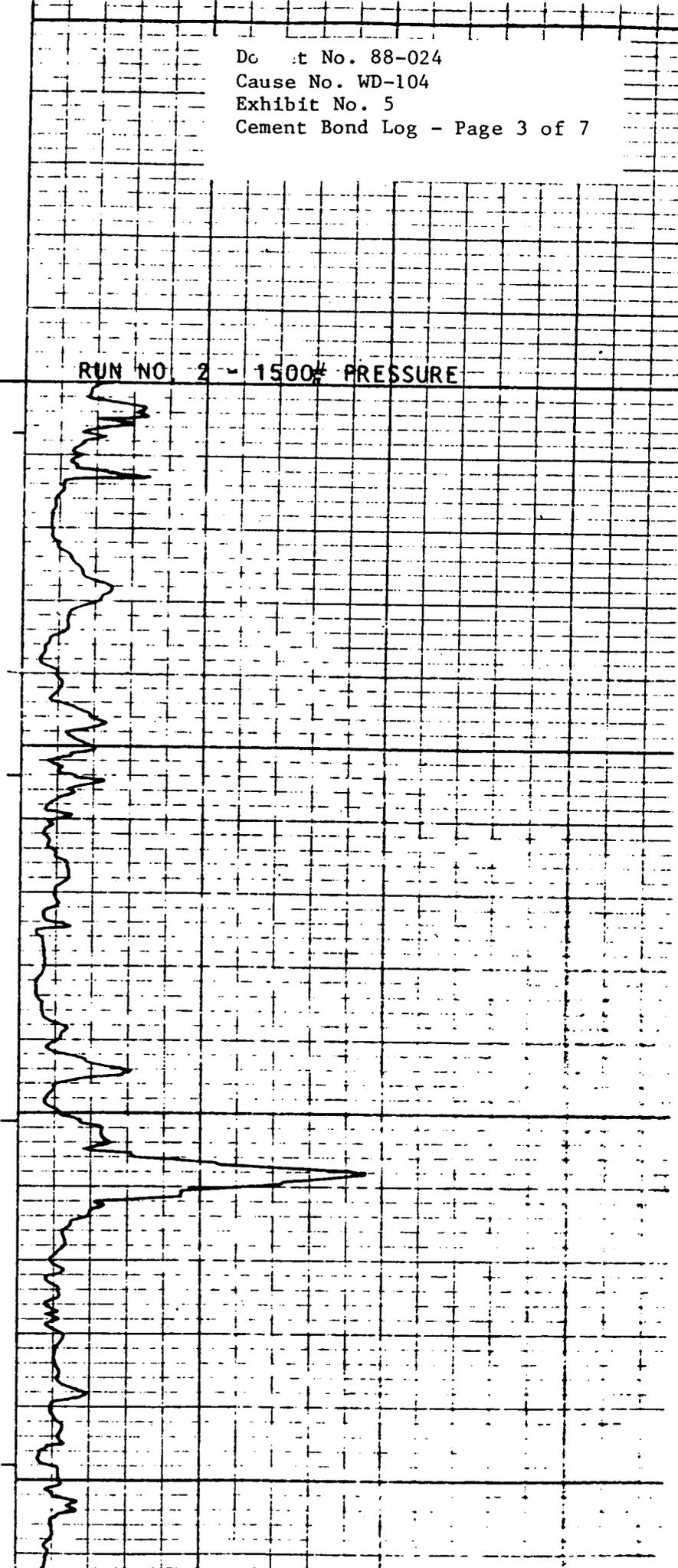
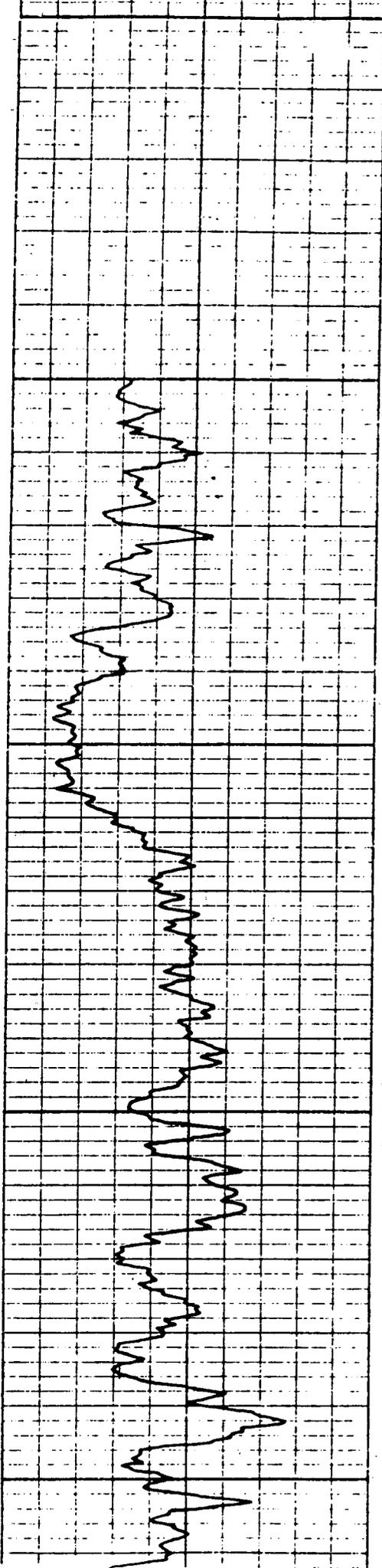
GAMMA RAY	DEPTH	COMPRESSION WAVE AMPLITUDE	
RADIATION INTENSITY INCREASES →  20 API UNITS 20	5 130 LR 14.650	AMPLITUDE INCREASES →  PERCENT UNBONDED PIPE SIGNAL  0.6 16 40 100	

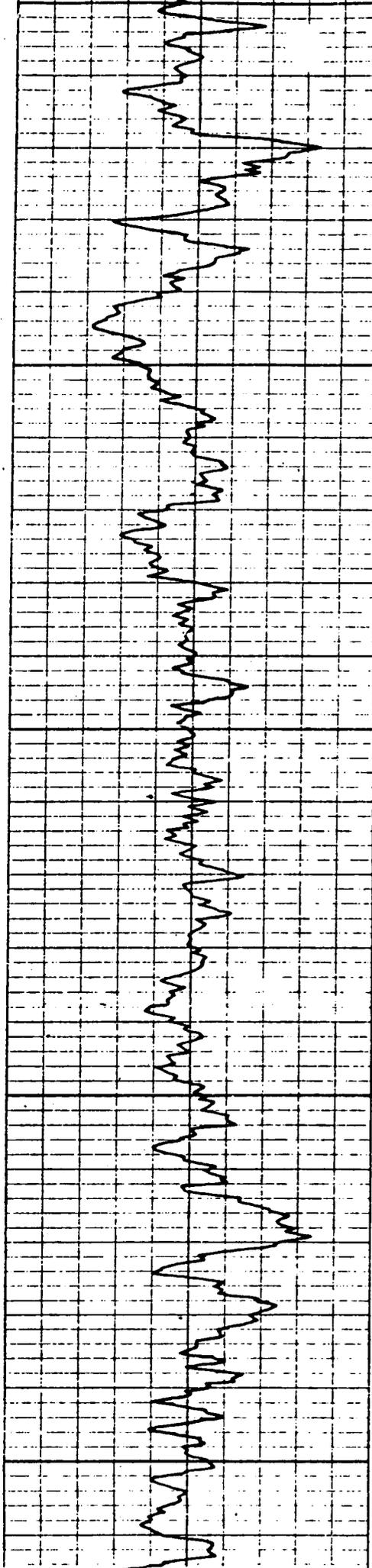


14900

RUN NO. 2 - 1500# PRESSURE

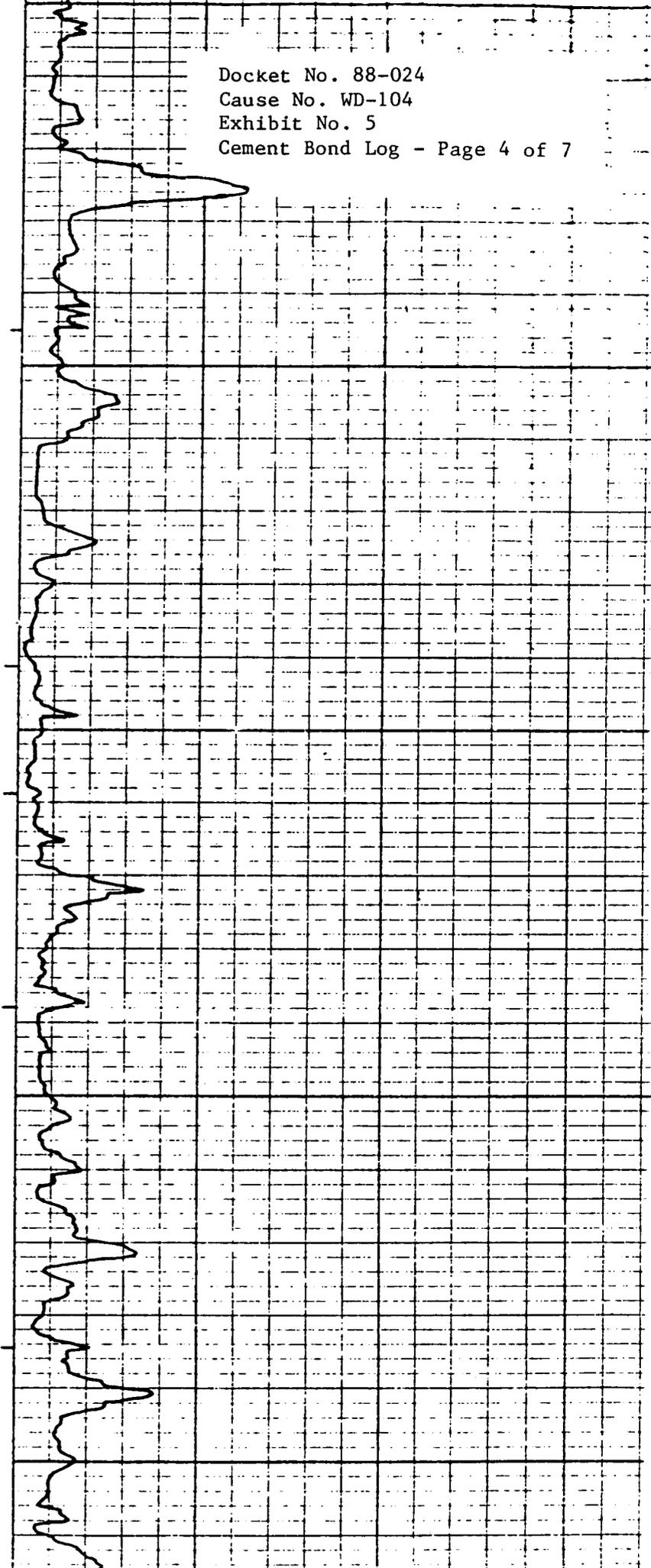
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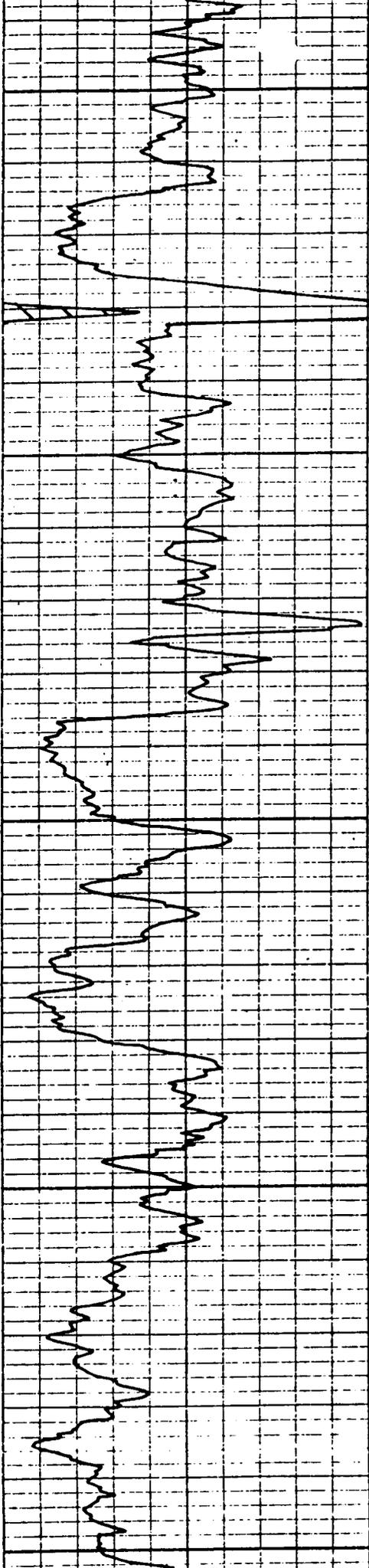




15100

15200





Mowry

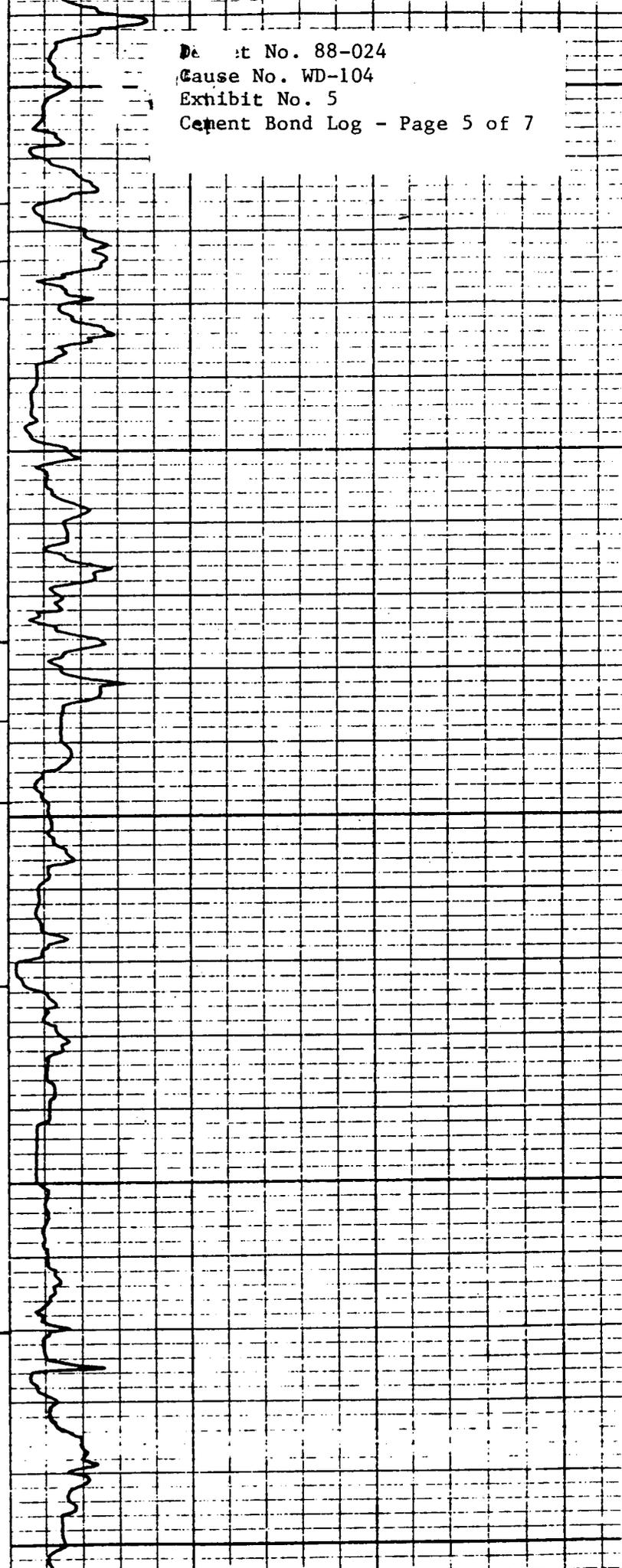
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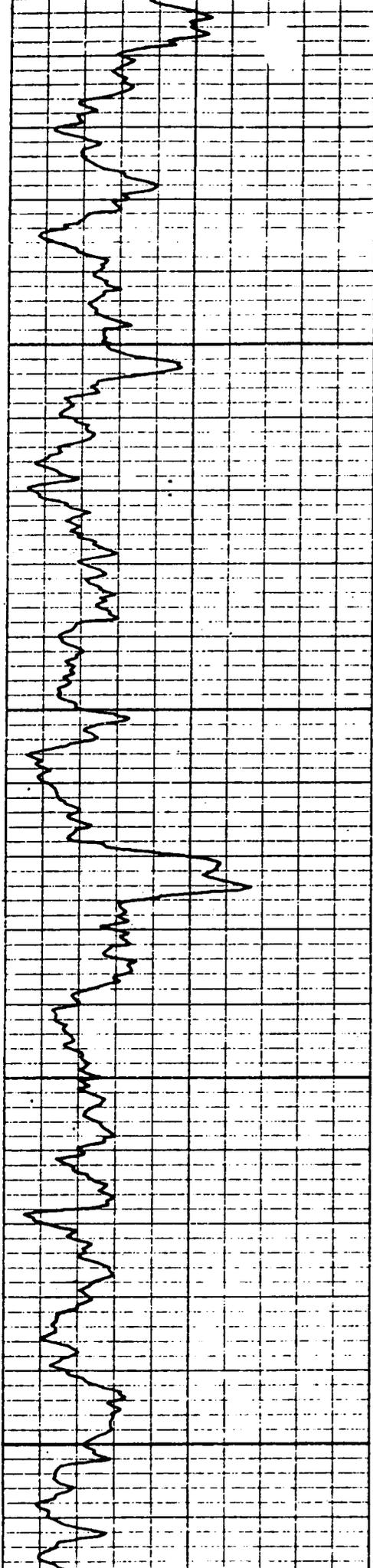
H-Zone

15400

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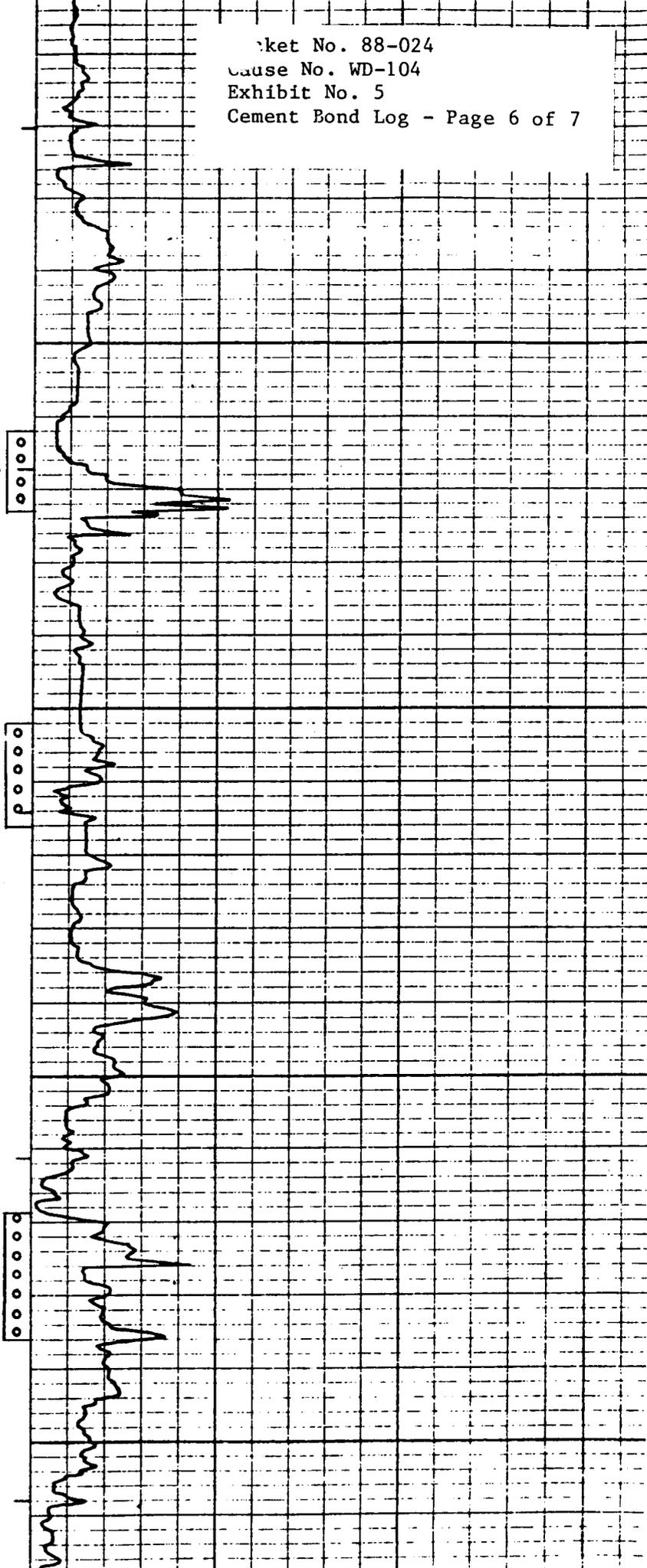
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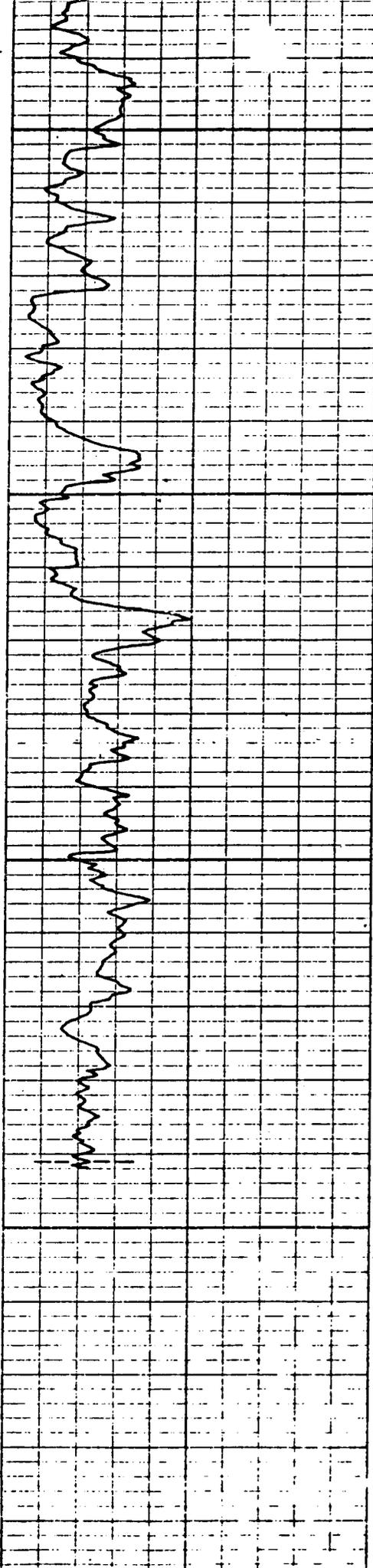
E-Zone

D-Zone

C-Zone

7 10





15600

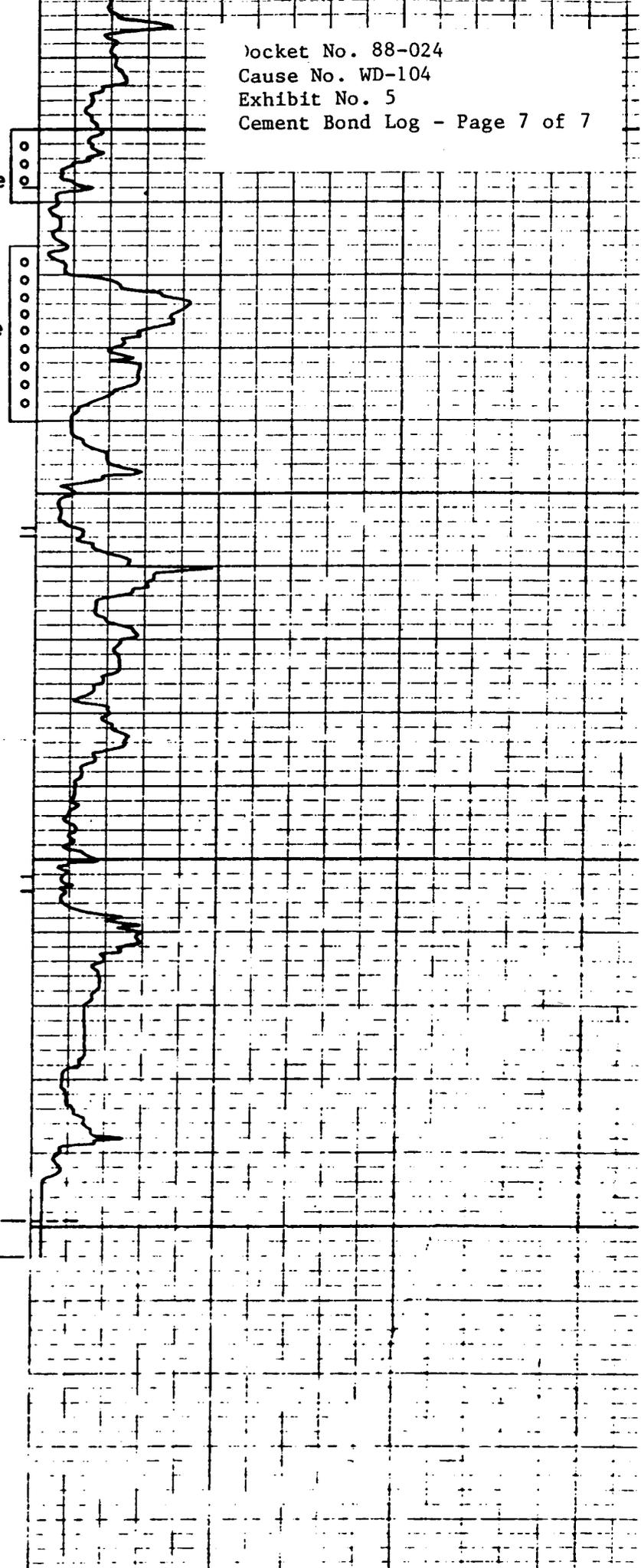
B-Zone



A-Zone



15700



**FORK A #10  
MAXIMUM INJECTION PRESSURE CALCULATIONS**

**I. BOTTOM HOLE FRACTURE PRESSURE**

FG = 0.75 psi/ft based on average service company  
data for the Dakota in the surrounding area.

BHFP = FG x Depth  
0.75 x 15,453

BHFP = 11,590 psi

**II. MAXIMUM SURFACE INJECTION PRESSURE**

SWHP = BHFP - Ph + Ppipe + Pperf

Ph = Density (lb/gal) x Depth (ft) x 0.052

Ph = 8.397 x 15,453 x 0.052

Ph = 6,747 psi

Ppipe = 5 psi/1000' (assuming instantaneous rate  
of 2000 BPD)

Ppipe = 77 psi

Pperf = 0 psi

SWHP = 11,590 - 6,747 + 77 + 0

SWHP = 4,920 psi

BHFP - Bottom Hole Frac Pressure  
FG - Frac Gradient  
Ph - Hydrostatic Pressure  
Pperf - Perforation Friction  
Ppipe - Pipe Friction  
SWHP - Surface Wellhead Pressure

Docket No. 88-024  
Cause No. WD-104  
Exhibit No. 7  
Water Compatability  
Page 1 of 3

November 11, 1988

Mr. Blair Murphy  
Phillips Petroleum  
8055 East Tufts Avenue Parkway  
Denver, CO 80237

Dear Mr. Murphy:

Compatibility tests were run on water samples from Bridger Lake Battery #1 and Battery #2. An initial filtration was done through a 0.45 micron filter. The samples were mixed in ratios of 25/75, 50/50 and 75/25. They were all heated to temperatures of 75, 125 and 175 degrees Fahrenheit. No precipitation was apparent. After cooling there appeared to be small amounts of precipitate floating on top. This could be due to the 50% evaporation that occurred during heating or even to small amounts of oil coagulating that were not initially filtered out. Total suspended solids were run on each of the samples after cooling. The results are as follows:

<u>Sample</u>	<u>TSS, mg/l</u>
25% Battery #1, 75% Battery #2	53
50% Battery #1, 50% Battery #2	57
75% Battery #1, 25% Battery #2	56

The two waters are so similar it would not be expected that they would have a compatibility problem. If you have any further questions, please don't hesitate to contact us at (307)235-5741.

Sincerely,

*Laurel Dow*

Laurel Dow  
Laboratory Technician

LD:aj

011 P02

# CORE LABORATORIES, INC. ANALYTICAL REPORT

LAB #: 885247-1

08-NOV-88

## PHILLIPS PETROLEUM

WELL #: BRIDGER LAKE BATTERY #1  
COUNTY: STATE:  
FORMATION:  
DATE SAMPLED:

FIELD:  
LOCATION:  
INTERVAL:  
SAMPLE ORIGIN:

REMARKS:

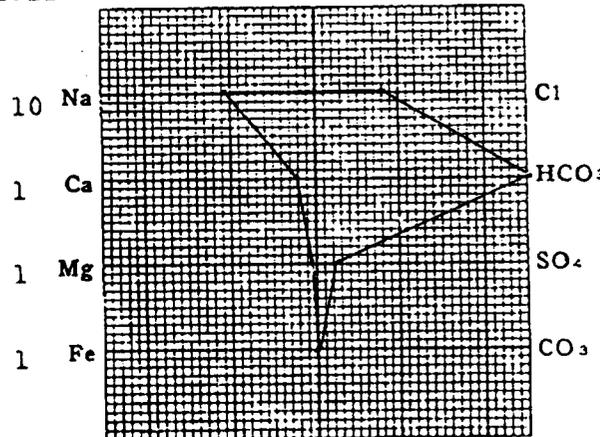
	MG/L	MEQ/L		MG/L	MEQ/L		MG/L
SODIUM	2400	104.40	SULFATE	128	2.66	CALC. SODIUM	2412
POTASSIUM	26	0.67	CHLORIDE	2850	80.37	NACL EQUIVALENT	5832
CALCIUM	43	2.15	CARBONATE	0	0.00	CALC TDS* @356 F	6210
MAGNESIUM	6	0.49	BICARBONATE	1537	25.21	API TDS* @221 F	6990
			HYDROXIDE	0	0.00		
TOTAL CATIONS			TOTAL ANIONS			* TOTAL DISSOLVED SOLIDS	
107.71			108.24				

SPECIFIC RESISTANCE AT 68F (OHM-M):  
OBSERVED 1.11  
CALCULATED 1.11

OBSERVED pH 8.2

Docket No. 88-024  
Cause No. MD-104  
Exhibit No. 7  
Water Compatibility  
Page 2 of 3

WATER ANALYSIS PATTERN  
Scale  
MEQ per Unit



(Na value in above graph includes Na and K)

NOTE: Mg/l = milligrams per liter  
Meq/l = milligram equivalent per liter

Sodium chloride equivalent = by Dunlap & Hawthorne calculation from components

These analyses, opinions or interpretations are based on observations and material supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted), but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or representations, as to the productivity, proper operations, or profitability of any oil, gas, coal or other mineral property, well or sand in connection with which such report is used or relied upon.

COPE LABORATORIES

1988-11-08 15:06 1 307 266 1674

111 F03

# CORE LABORATORIES, INC. ANALYTICAL REPORT

08-NOV-88

LAB #: 885247-2

## PHILLIPS PETROLEUM

WELL #: BRIDGER LAKE BATTERY #2  
COUNTY: STATE:  
FORMATION:  
DATE SAMPLED:

FIELD:  
LOCATION:  
INTERVAL:  
SAMPLE ORIGIN:

### REMARKS:

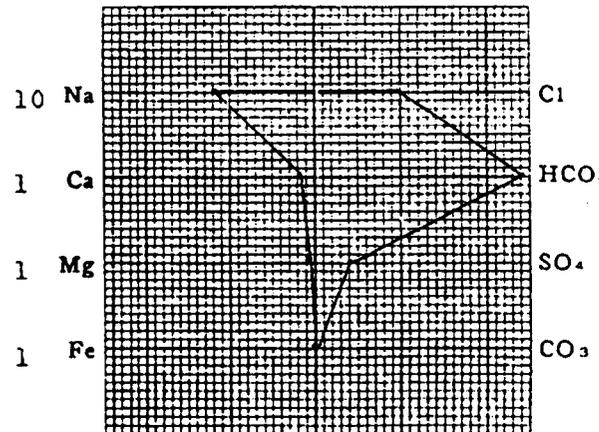
	MG/L	MEQ/L		MG/L	MEQ/L		MG/L
SODIUM	2710	117.89	SULFATE	194	4.04	CALC. SODIUM	2689
POTASSIUM	82	2.10	CHLORIDE	3300	93.06	NACL EQUIVALENT	6657
CALCIUM	29	1.45	CARBONATE	0	0.00	CALC TDS* @356 F	7043
MAGNESIUM	7	0.58	BICARBONATE	1464	24.01	API TDS* @221 F	7786
			HYDROXIDE	0	0.00		
TOTAL CATIONS		122.01	TOTAL ANIONS		121.11	* TOTAL DISSOLVED SOLIDS	

SPECIFIC RESISTANCE AT 68F (OHM-M):  
OBSERVED 0.99  
CALCULATED 0.97

OBSERVED pH 7.5

Docket No. 88-024  
Cause No. WD-104  
Exhibit No. 7  
Water Compatibility  
Page 3 of 3

WATER ANALYSIS PATTERN  
Scale  
MEQ per Unit



(Na value in above graph includes Na and K)

NOTE: Mg/1 = milligrams per liter  
Meq/1 = milligram equivalent per liter

Sodium chloride equivalent =  
by Dunlap & Hawthorne  
calculation from components

# RAY, QUINNEY & NEBEKER

PROFESSIONAL CORPORATION  
ATTORNEYS AT LAW

ALONZO W. WATSON, JR.  
STEPHEN B. NEBEKER  
MITCHELL MELICH  
L. RIDD LARSON  
DON B. ALLEN  
MERLIN O. BAKER  
CLARK P. GILES  
JAMES W. FREED  
NARRVEL E. HALL  
JAMES L. WILDE  
M. JOHN ASHTON  
HERBERT C. LIVSEY  
WILLIAM A. MARSHALL  
JAMES Z. DAVIS  
PAUL S. FELT  
GERALD T. SNOW  
ALAN A. ENKE  
JONATHAN A. DIBBLE  
SCOTT H. CLARK  
STEVEN H. GUNN  
JAMES S. JARDINE  
KENT H. MURDOCK  
JANET HUGIE SMITH  
DOUGLAS MATSUMORI  
ROBERT P. HILL  
RICHARD G. ALLEN  
ANTHONY W. SCHOFIELD  
ALLEN L. ORR  
BRAD D. HARDY  
BRIAN E. KATZ  
A. ROBERT THORUP  
JOHN P. HARRINGTON  
BRENT W. TODD

LARRY G. MOORE  
ANTHONY S. QUINN  
THOMAS L. KAY  
BRUCE L. OLSON  
JOHN A. ADAMS  
DOUGLAS M. MONSON  
CRAIG CARLILE  
STEVEN W. HARRIS  
RICHARD H. CASPER  
JAMES M. DESTER  
DEE R. CHAMBERS  
KEVIN G. GLADE  
JEFFREY D. EISENBERG  
ENID GREENE  
LESTER K. ESSIG  
IRA B. RUBINFELD  
STEPHEN C. TINGEY  
CRAIG L. TAYLOR  
KELLY J. FLINT  
MARK O. MORRIS  
STEVEN J. AESCHBACHER  
PAUL D. NEWMAN  
KEITH A. KELLY  
RICK L. ROSE  
MARK Y. HIYATA  
RICK B. HOGGARD  
LYNN M. PACE  
LISA A. YERKOVICH  
  
OF COUNSEL  
ALBERT R. BOWEN  
W. J. O'CONNOR, JR.

400 DEBERET BUILDING  
79 SOUTH MAIN STREET  
P. O. BOX 45385  
SALT LAKE CITY, UTAH 84145-0385  
TELEPHONE (801) 532-1500  
TELECOPIER NO. (801) 532-7543

210 FIRST SECURITY BANK BLDG  
92 NORTH UNIVERSITY AVENUE  
PROVO, UTAH 84601-4420  
(801) 226-7210

1020 FIRST SECURITY BANK BLDG  
2404 WASHINGTON BOULEVARD  
OGDEN, UTAH 84401-2306  
(801) 621-0713

PAUL H. RAY (1893-1967)  
A. H. NEBEKER (1895-1980)  
S. J. QUINNEY (1893-1983)

December 1, 1988

Docket No. 88-024  
Cause No. WD-104  
Exhibit No. 7A  
Water Compatability  
Page 1 of 4

Mr. Gil Hunt  
State of Utah Natural Resources  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

Dear Mr. Hunt:

Attached are two water analyses of the Fork A #10 produced water. These analyses are representative of the formation water in the Fork A #10 well at the Bridger Lake Unit. The following zones were open for these analyses:

15,266' - 15,274'	Mowry Formation
15,337' - 15,348'	Dakota Formation (H-Zone)
15,569' - 15,586'	Dakota Formation (C-Zone)
15,616' - 15,640'	Dakota Formation (A-Zone)

The above zones bracket all of the current open zones and would include all zones potentially affected by the water disposal well.

Mr. Gil Hunt  
State of Utah Natural Resources  
December 1, 1988  
Page 2

If you have additional questions, please contact Blair  
Murphy at (303) 850-3407.

Very truly yours,

RAY, QUINNEY & NEBEKER

A handwritten signature in cursive script, appearing to read "Alan A. Enke".

Alan A. Enke

AAE/srr  
Enclosure  
153a

# CHEMICAL & GEOLOGICAL LABORATORIES

P. O. Box 279  
Casper, Wyoming

## WATER ANALYSIS REPORT

OPERATOR Phillips Petroleum Company DATE April 15, 1969 LAB NO. 1726  
 WELL NO. Fork A-10 LOCATION NW SE 14-3N-14E  
 FIELD Bridger Lake FORMATION Dakota  
 COUNTY Summit INTERVAL 15,266-15,640  
 STATE Utah SAMPLE FROM Production

REMARKS & CONCLUSIONS: Clear water.

Correlates with Dakota water in this field.

Cations			Anions		
	mg/l	meq/l		mg/l	meq/l
Sodium	3524	153.31	Sulfate	362	7.53
Potassium	8	0.20	Chloride	4550	128.31
Lithium	-	-	Carbonate	0	-
Calcium	44	2.20	Bicarbonate	1257	20.61
Magnesium	9	0.74	Hydroxide	-	-
Iron	Absent	-	Hydrogen sulfide	Absent	-
Total Cations		156.45	Total Anions		156.45

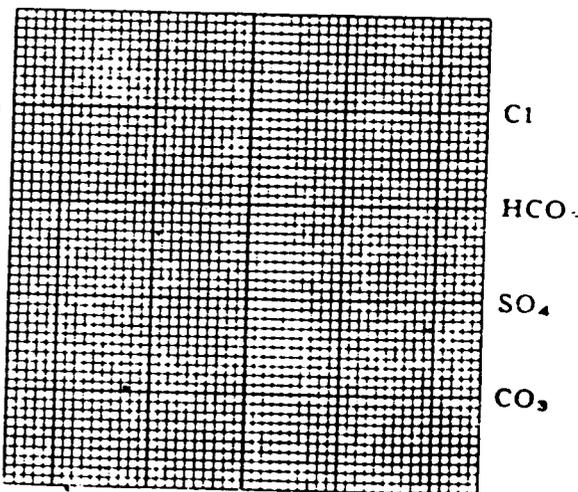
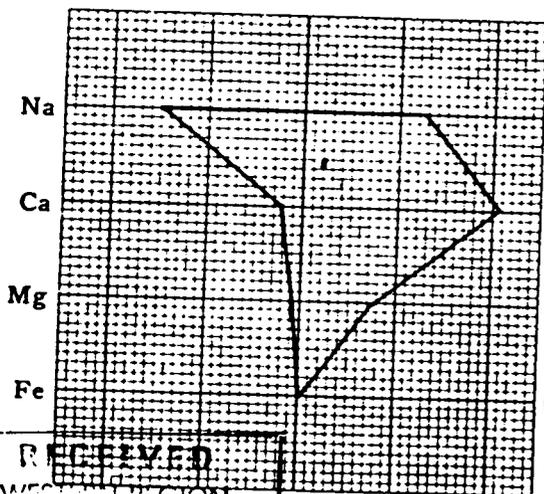
  

Total dissolved solids, mg/l	9116	Specific resistance @ 68°F.:	
NaCl equivalent, mg/l	8662	Observed	0.72 ohm-meters
Observed pH	7.7	Calculated	0.76 ohm-meters

### WATER ANALYSIS PATTERN

Sample above described

Scale  
MEQ per Unit



(Na value in above graphs includes Na, K, and Li)

NOTE: Mg/l = Milligrams per liter Meq/l = Milligram equivalents per liter  
Sodium chloride equivalent = by Dunlap & Hawthorne calculation from components

RECEIVED  
WATER DIVISION  
APR 17 1969  
LAB 4/17/69



WESTERN DISTRICT  
**JAN 10 1972**

Dist. Mgr.	
Prod. En.	
Lab. En.	
Doc.	

# CHEM LAB

## WATER ANALYSIS EXCHANGE REPORT

MEMBER Phillips Petroleum Company  
 OPERATOR Phillips Petroleum Company  
 WELL NO. Fork A-10  
 FIELD Bridger Lake  
 COUNTY Summit  
 STATE Utah

LAB NO. 6979 REPORT NO. \_\_\_\_\_  
 LOCATION Section 14-3N-14E  
 FORMATION Dakota  
 INTERVAL 15,266-15,640  
 SAMPLE FROM Produced water 12/22/71  
 DATE January 5, 1972

REMARKS & CONCLUSIONS: Cloudy water.

Cations			Anions		
	mg/l	meq/l		mg/l	meq/l
Sodium	3526	153.40	Sulfate	342	7.11
Potassium	10	0.03	Chloride	4700	132.54
Lithium	-	-	Carbonate	60	2.00
Calcium	29	1.45	Bicarbonate	927	15.20
Magnesium	24	1.97	Hydroxide	-	-
Iron	absent	-	Hydrogen sulfide	absent	-
<b>Total Cations</b>		<b>156.85</b>	<b>Total Anions</b>		<b>156.85</b>

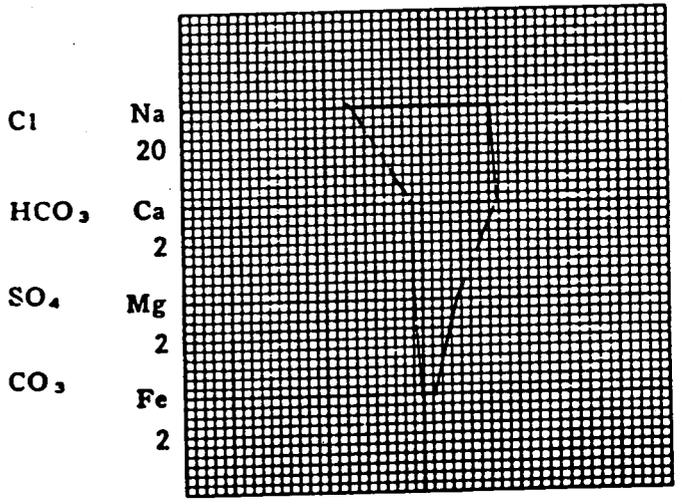
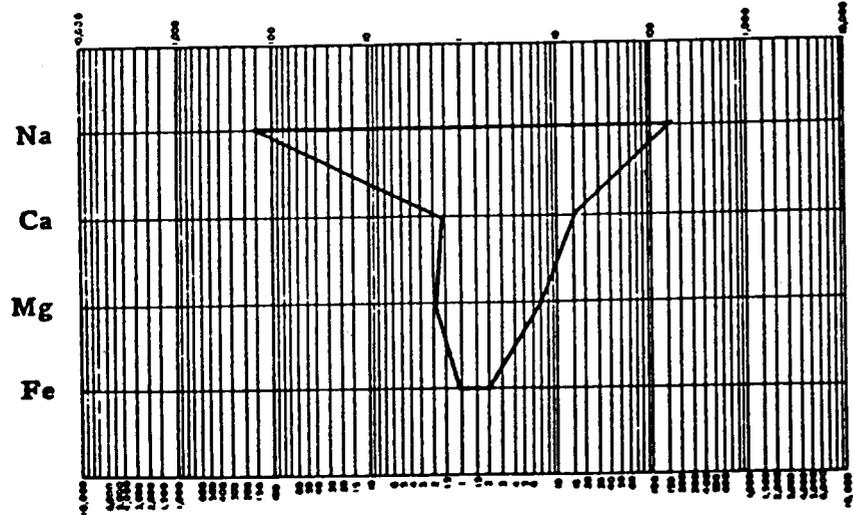
Total dissolved solids, mg/l	9148	Specific resistance @ 68° F.:	
NaCl equivalent, mg/l	8808	Observed	0.76 ohm-meters
Observed pH	8.4	Calculated	0.74 ohm-meters

### WATER ANALYSIS PATTERNS

MEQ per unit

LOGARITHMIC

STANDARD



(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

Geological Data  
Phillips Fork A-10  
Sec. 14 T3N-R14E  
Summit Co., Utah

Disposal interval 15266-15640 Mowry Sand through Dakota A zone.

Perforated Depth	Zone	Gross thickness*	Net thickness**	Avg $\phi$
15266-15274	Mowry SS	8'	0'	5.5%
15337-15348	Dakota H SS	14'	bad log	bad log
15462-15473	Dakota E SS	13'	6'	15%
15502-15516	Dakota D-2 SS	9'	9'	13%
15569-15586	Dakota C SS	15'	14'	17%
15600-15610	Dakota B SS	7'	6'	14%
15616-15640	Dakota A SS	39'	31'	17%

\*GR cutoff

\*\*10% Density Porosity cutoff

Logs covering disposal interval: Spontaneous Potential, Dual Induction, Gamma Ray, Compensated Density, Neutron

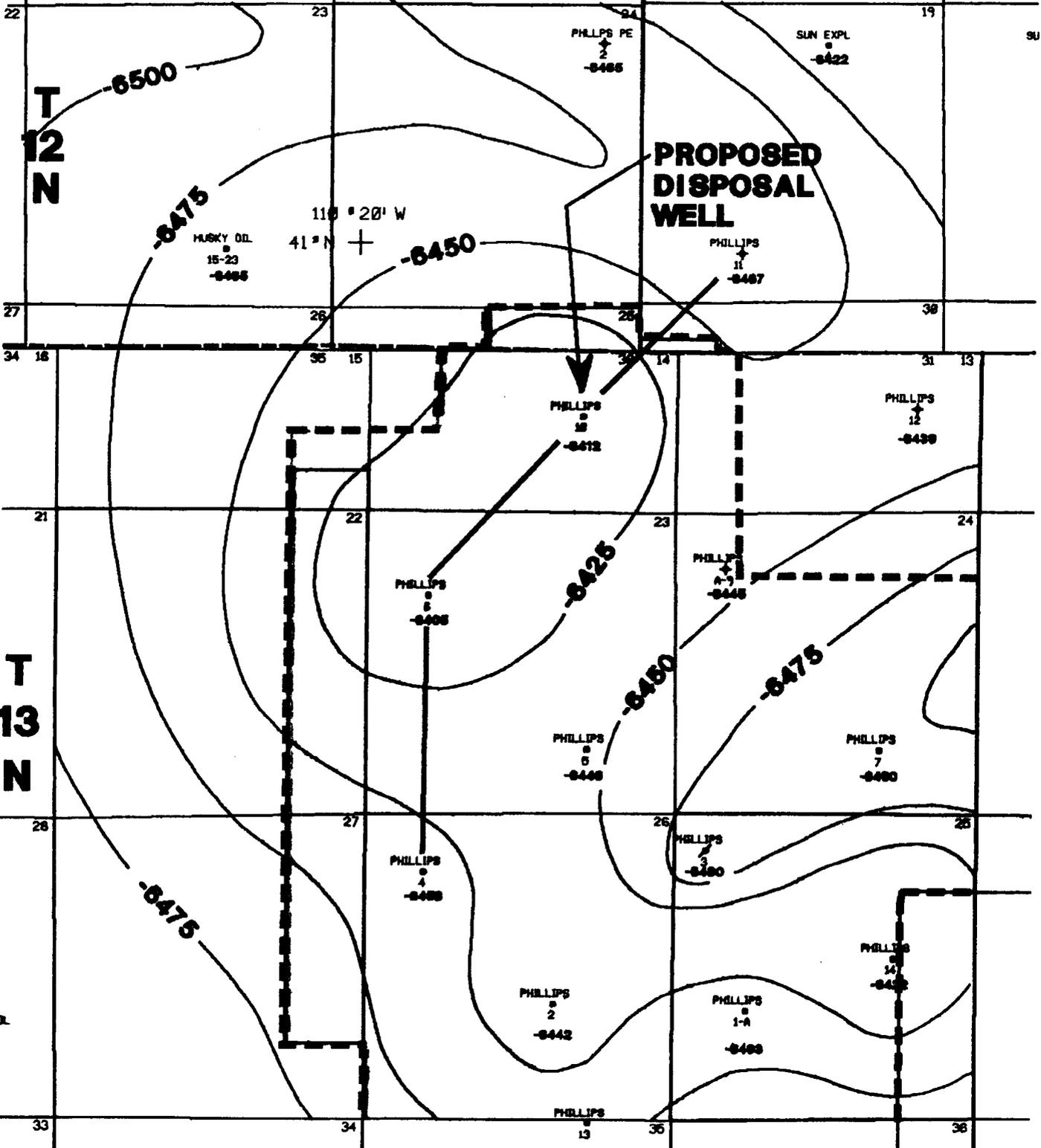
Sandstones in the Dakota Formation are of Cretaceous Age and were deposited in this area as a series of generally north-trending fluvial channels. There is an increase in marine influence towards the top of the Dakota section. The overlying Mowry Sandstone was deposited as a discontinuous marine bar. The shales of the Mowry Formation are marine in nature; their thickness and continuity preclude the upward migration of fluids injected into the Dakota and Mowry sandstones. The underlying Morrison Formation is Jurassic in age and was deposited in a non-marine alluvial plain environment. Thick shales within the Morrison would prevent downward migration of waters disposed of in the overlying Dakota Formation.

Cause No. WD-104  
Docket No. 88-024  
Exhibit #8

JLG1188.021

R 115 W

R 114 W



**PROPOSED  
DISPOSAL  
WELL**

**T  
12  
N**

**T  
13  
N**

**R 14 E**

----- UNIT OUTLINE  
 \_\_\_\_\_ LINE OF CROSS SECTION

**EXHIBIT #9  
 DOCKET #88-024  
 CAUSE #WD-104**

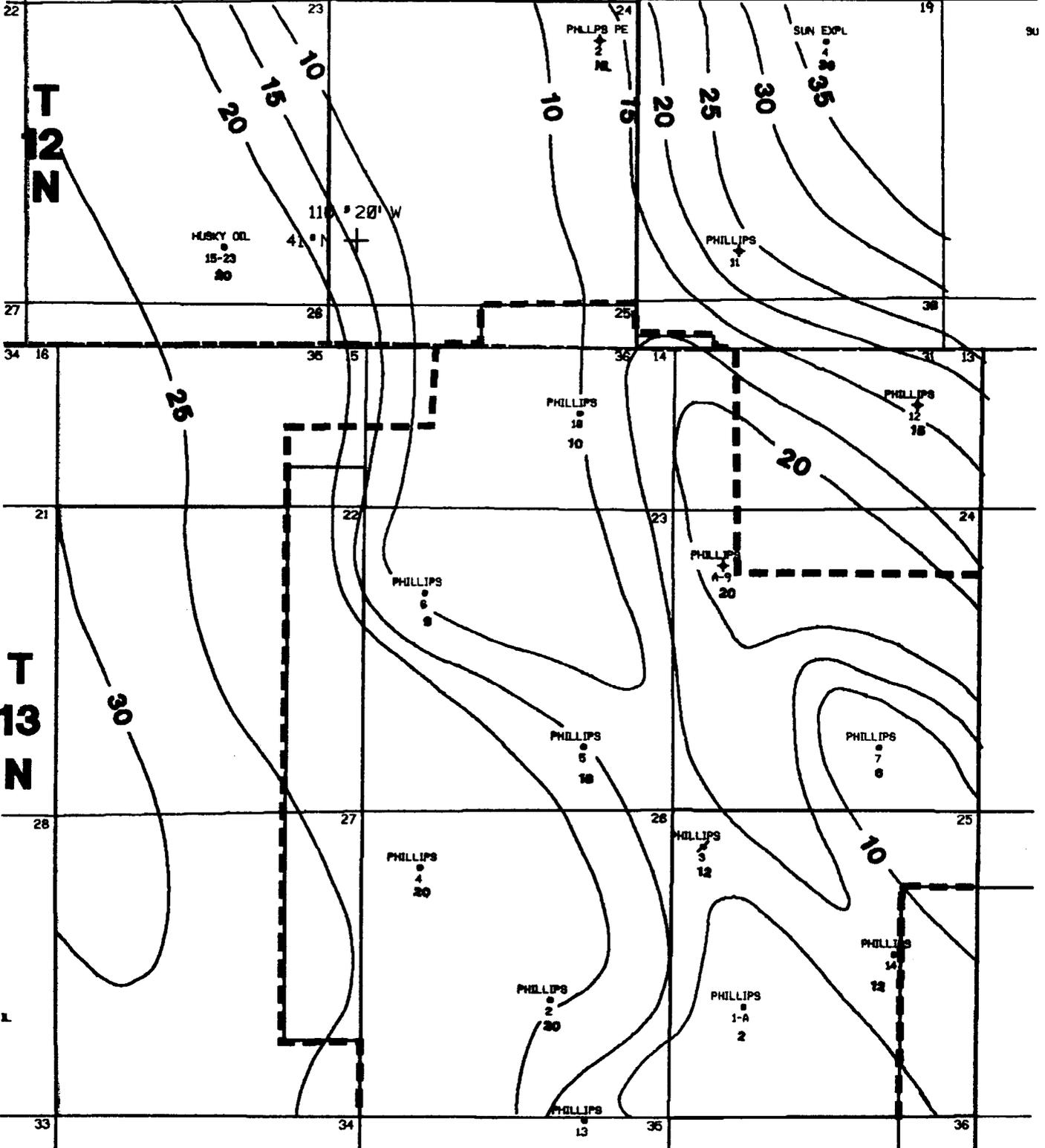


**BRIDGER LAKE FIELD**  
 SHERIDAN COUNTY, UTAH  
**STRUCTURE CONTOUR MAP**  
 TOP "E" SANDSTONE  
 G. I. - 67

PREPARED BY: J. L. GRAHAM, J. A. DUBO, NOV 1968, SHELDON, UTAH

R 115 W

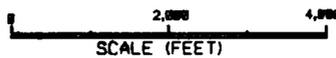
R 114 W



--- UNIT OUTLINE

R 14 E

**EXHIBIT #10**  
**DOCKET #88-024**  
**CAUSE #WD-104**



<b>PHILLIPS</b>			
<b>BRIDGER LAKE FIELD</b>			
SHERIDAN COUNTY, UTAH			
<b>NET "E" SANDSTONE</b>			
<b>ISOPACH &gt;10%</b>			
G.I.P.			
L.L. GRAUBER	J.A. GARDNER	NOV 1966	BRIDGER LAKE

R 115 W

R 114 W

22

23

24

19

T 12 N

PHILLIPS PE  
2  
0

SUN EXPL  
4  
8

SU

MUSKY CR.  
15-23  
11

110 = 20' W  
41 = N

PHILLIPS  
11  
0

27

26

25

30

34

16

35

15

36

14

31

13

20  
30  
40

PHILLIPS  
18  
42

PHILLIPS  
12  
14

21

22

23

24

PHILLIPS  
16

PHILLIPS  
A-3  
11

T 13 N

20

PHILLIPS  
20

20  
10

PHILLIPS  
7  
0

28

27

26

25

PHILLIPS  
4  
25

PHILLIPS  
3  
20

IL

10

PHILLIPS  
2  
9

PHILLIPS  
1-A  
14

30  
PHILLIPS  
14  
35

33

34

PHILLIPS  
13

35

36

R 14 E

--- UNIT OUTLINE

EXHIBIT #11  
DOCKET #88-024  
CAUSE #WD-104



**BRIDGER LAKE FIELD**  
SEBENT COUNTY, UTAH  
**NET "A" SANDSTONE**  
ISOPACH >1025

PREPARED BY: J.L. GRADIN, J.A. BUSH, NOV 1988, 6.1.87

S

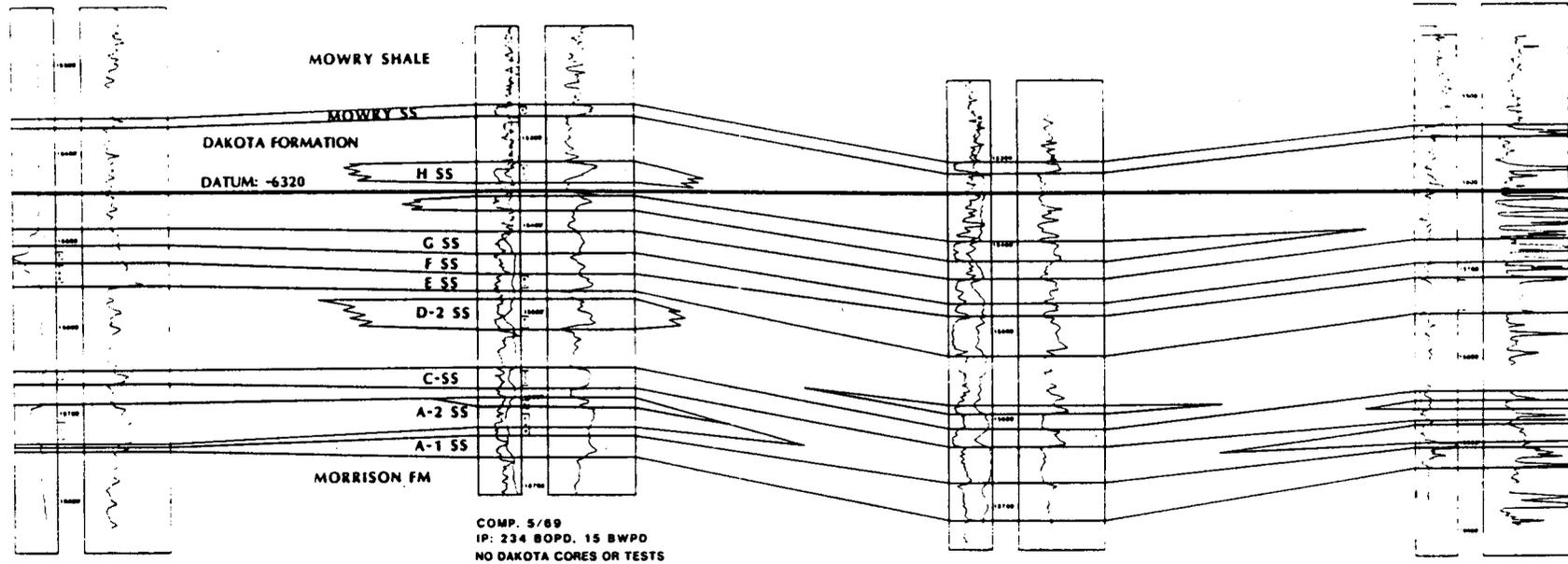
N

PHILLIPS BRIDGER LAKE A-6  
 SWNW 23-3N-14E  
 KB: 9125'

PHILLIPS BRIDGER LAKE A-10  
 NWSE 14-3N-14E  
 KB: 9049'

PHILLIPS BRIDGER LAKE A-11  
 SESW 19-12N-114W  
 KB: 9017'

SUN LUCKEY DITCH B-4  
 NWNW 19-12N-114W  
 KB: 9288'



COMP. 1/68  
 IP: 872 BOPD, 231 MCFD.  
 60 BWPD  
 NO CORES OR DST'S

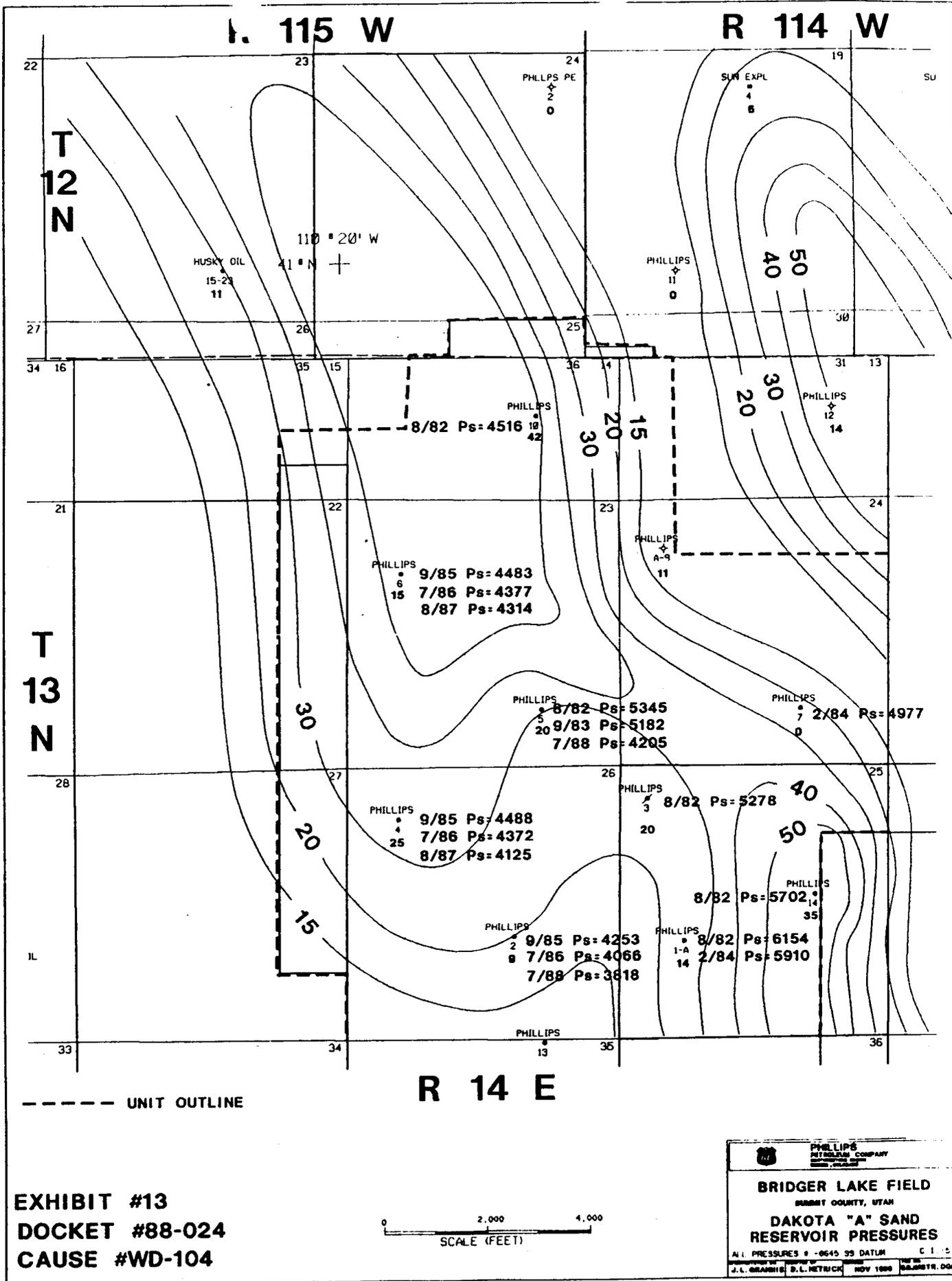
COMP. 5/69  
 IP: 234 BOPD, 15 BWPD  
 NO DAKOTA CORES OR TESTS

COMP. 8/69  
 NO CORES OR TESTS  
 CONVERTED TO SWD  
 IN FT. UNION

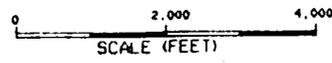
COMP. 12/86  
 IP: 1085 BOPD,  
 107.6 MCFD, 99 BWPD  
 CORE: 15679-96

PHILLIPS PETROLEUM COMPANY  
 BRIDGER LAKE FIELD  
 SUMMIT COUNTY, UTAH  
 STRUCTURAL CROSS SECTION  
 DATUM: -6320

Cause No. WD-104  
 Docket No. 88-024  
 Exhibit No. 12



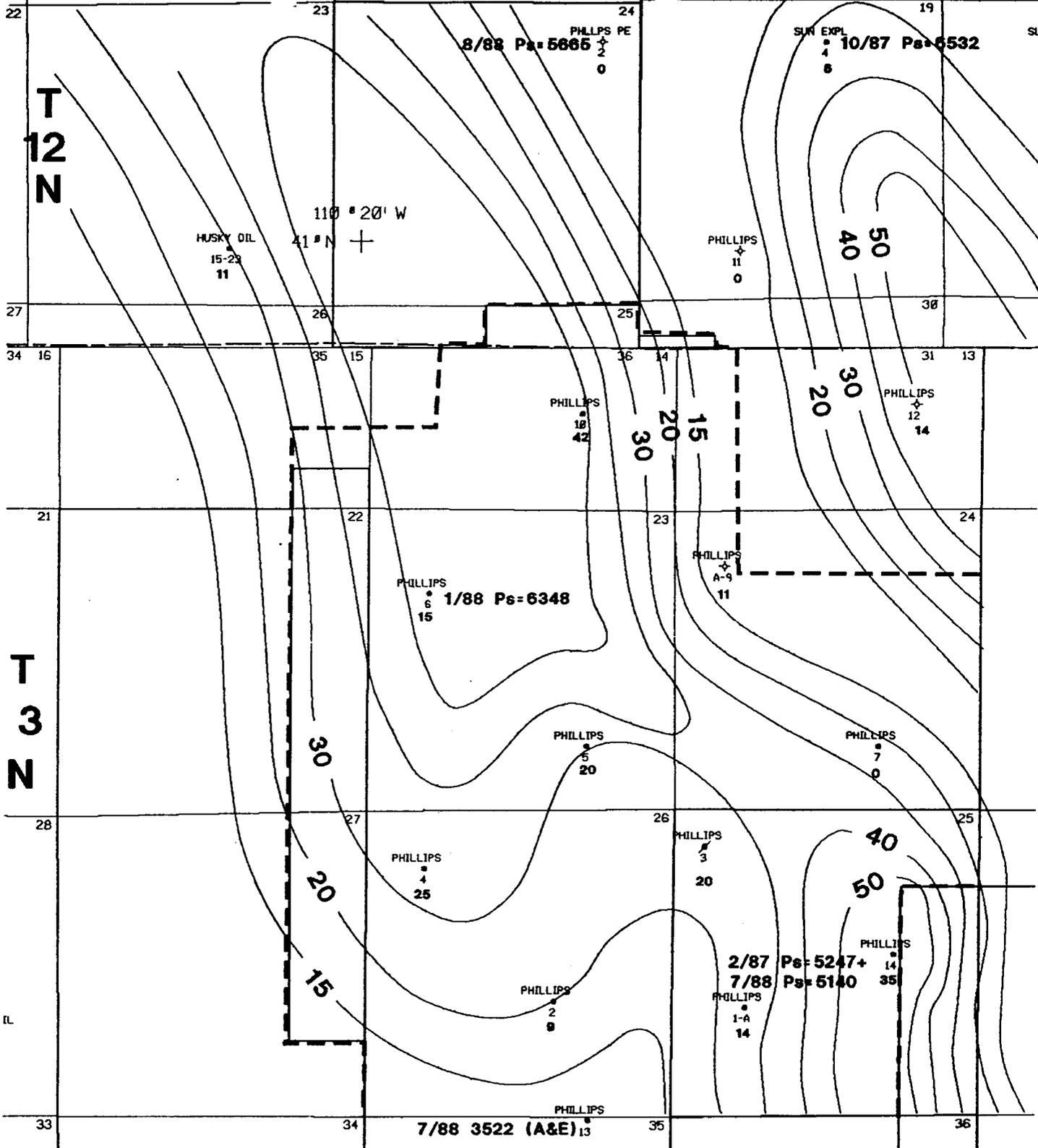
**EXHIBIT #13**  
**DOCKET #88-024**  
**CAUSE #WD-104**



**PHILLIPS PETROLEUM COMPANY**  
**BRIDGER LAKE FIELD**  
 SHERIDAN COUNTY, UTAH  
**DAKOTA "A" SAND**  
**RESERVOIR PRESSURES**  
 ALL PRESSURES - 8645 95 DATUM C 1 5  
 J.L. BRADSHAW D.L. HETRICK NOV 1988 BRIDGER.DWG

R 115 W

R 114 W



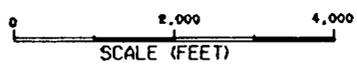
T 12 N

T 3 N

R 14 E

--- UNIT OUTLINE

**EXHIBIT #14**  
**DOCKET #88-024**  
**CAUSE #WD-104**



**PHILLIPS**  
 OIL & GAS COMPANY  
 BRIDGER LAKE FIELD  
 SURET COUNTY, UTAH  
**DAKOTA "E" SAND**  
**RESERVOIR PRESSURES**  
 ALL PRESSURES # -6646 55 DATUM/PSIG C.I. 15'  
 J.L. GRANN D.L. HETRICK NOV 1986



DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. LEASE DESIGNATION AND SERIAL NO.  
Utah 013145

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
N/A

7. UNIT AGREEMENT NAME  
Bridger Lake

8. FARM OR LEASE NAME  
Fork

9. WELL NO.  
10

10. FIELD AND POOL, OR WILDCAT  
Bridger Lake

11. SEC., T., R., N., OR BLK. AND SURVEY OR AREA  
Sec 14-T3N-R14E

12. COUNTY OR PARISH 13. STATE  
Summit UT

1. OIL WELL  GAS WELL  OTHER  Water Disposal Well

2. NAME OF OPERATOR  
Phillips Petroleum Company

3. ADDRESS OF OPERATOR  
152 N. Durbin St. - 2nd Floor, Casper, WY 82601

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface  
1623' FEL, 1686' FSL (NW SE)

4. PERMIT NO. 15. ELEVATIONS (Show whether DF, ST, OR, etc.)  
API #43-043-30001 9041' RKB

6. 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) Conversion to SWD well <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>			

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

7. 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.)\*

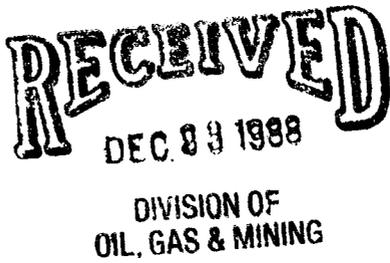
The Fork A #10 well was converted to a SWD well on December 5, 1988. Produced water from the Bridger Lake Unit will be disposed of into Fork A #10 into the Mowry and Dakota Formations (15,266' - 15,640' OA).

The sources and quantities of the produced water is shown in Attachment A. The range of TDS in the produced water is 6200 - 7100 Mg/l (Exhibit #7). The TDS levels of the water in the Mowry and Dakota Formations of Fork A #10 is approximately 9130 Mg/l (Exhibit #7A).

Current injection pressure limitations are 1860 psi. This is the working pressure of the injection pump located at Tank Battery #2.

Verbal approval for this work was received from the BLM (Al McKee - SLC) and from the State of Utah. Exhibits from the 12/1/88 State Hearing are attached.

cc: BLM (SLC) - Orig + 2  
Utah OG&M  
S. J. Reynolds  
R. C. Taylor  
J. Weaver  
B. J. Murphy



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

SIGNED S. J. Reynolds for TITLE District Superintendent DATE 12-19-88

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

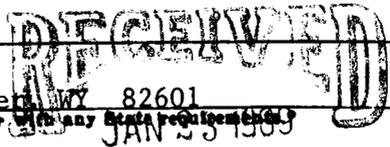
SUBMIT IN TRIPlicate  
(Other instructions  
verse side)

Form approved  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. <b>OIL WELL</b> <input type="checkbox"/> <b>GAS WELL</b> <input type="checkbox"/> <b>OTHER</b> <u>Water Disposal Well</u>		6. <b>LEASE DESIGNATION AND SERIAL NO.</b> Utah 013145
2. <b>NAME OF OPERATOR</b> Phillips Petroleum Company		6. <b>IF INDIAN, ALLOTTEE OR TRIBE NAME</b> NA
3. <b>ADDRESS OF OPERATOR</b> 152 North Durbin, 2nd Floor, Casper, WY 82601		7. <b>UNIT AGREEMENT NAME</b> Bridger Lake
4. <b>LOCATION OF WELL</b> (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1623' FEL & 1686' FSL, nw se		8. <b>FARM OR LEASE NAME</b> Fork
14. <b>PERMIT NO.</b> API #43-043-30001		9. <b>WELL NO.</b> 10
15. <b>ELEVATIONS</b> (Show whether DF, RT, CR, etc.) 9041' RKB		10. <b>FIELD AND POOL, OR WILDCAT</b> Bridger Lake
		11. <b>SEC., T., R., M., OR B.L.K. AND SURVEY OR AREA</b> Sec 14-T3N-R14E
		12. <b>COUNTY OR PARISH</b> Summit
		13. <b>STATE</b> Utah



DIVISION OF  
OIL, GAS & MINING

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

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

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

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

January 3, 1989

MI & RU well service unit 1/3/89. Acidized Dakota perms w/1000 gals 15% HCL w/additives, 500 gals of xylene, and flushed w/150 bbls lease water. Max press 4350 psi, max rate 3 BPM. ISIP 3350 psi, 5 min 1700 psi, 10 min 1100 psi, 15 min 800 psi. No breakdown indicated w/acid on perms. Established injection rate after acid job at .5 BPM at 1100 psi. RD well service unit.

Distribution:  
3 - BLM, Salt Lake City  
✓ 2 - Utah OG & M  
1 - File

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

SIGNED S. H. Oden TITLE District Superintendent DATE 1/18/89  
S. H. Oden

(This space for Federal or State office use)

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

\*See Instructions on Reverse Side

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

10

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Water Disposal Well</u>		5. LEASE DESIGNATION AND SERIAL NO. Utah 013145
2. NAME OF OPERATOR Phillips Petroleum Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
3. ADDRESS OF OPERATOR 152 N. Durbin, 2nd Floor, Casper, WY 82601		7. UNIT AGREEMENT NAME Bridger Lake
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1623' FEL & 1686' FSL, NW SE		8. FARM OR LEASE NAME Fork
14. PERMIT NO. API #43-043-30001		9. WELL NO. D10
15. ELEVATIONS (Show whether DF, ST, ON, etc.) 9041' RKB		10. FIELD AND POOL, OR WILDCAT Bridger Lake
		11. SEC., T., R., M., OR S&L. AND SURVEY OR AREA Sec 14-T3N-R14E
		12. COUNTY OR PARISH Summit
		13. STATE UT

**RECEIVED**  
JAN 23 1989  
DIVISION OF  
OIL, GAS & MINING

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

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

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

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

The Fork A #10 well was converted to a salt water disposal well on December 5, 1988. (See our Sundry Notice dated 12/19/88). Consequently the well number will be changed to #D10.

Distribution:

- 3 - BLM, Salt Lake City
- 2 - Utah OG&M
- 1 - Jim Weaver
- 1 - File

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

SIGNED S. H. Oden TITLE District Superintendent DATE January 19, 1989

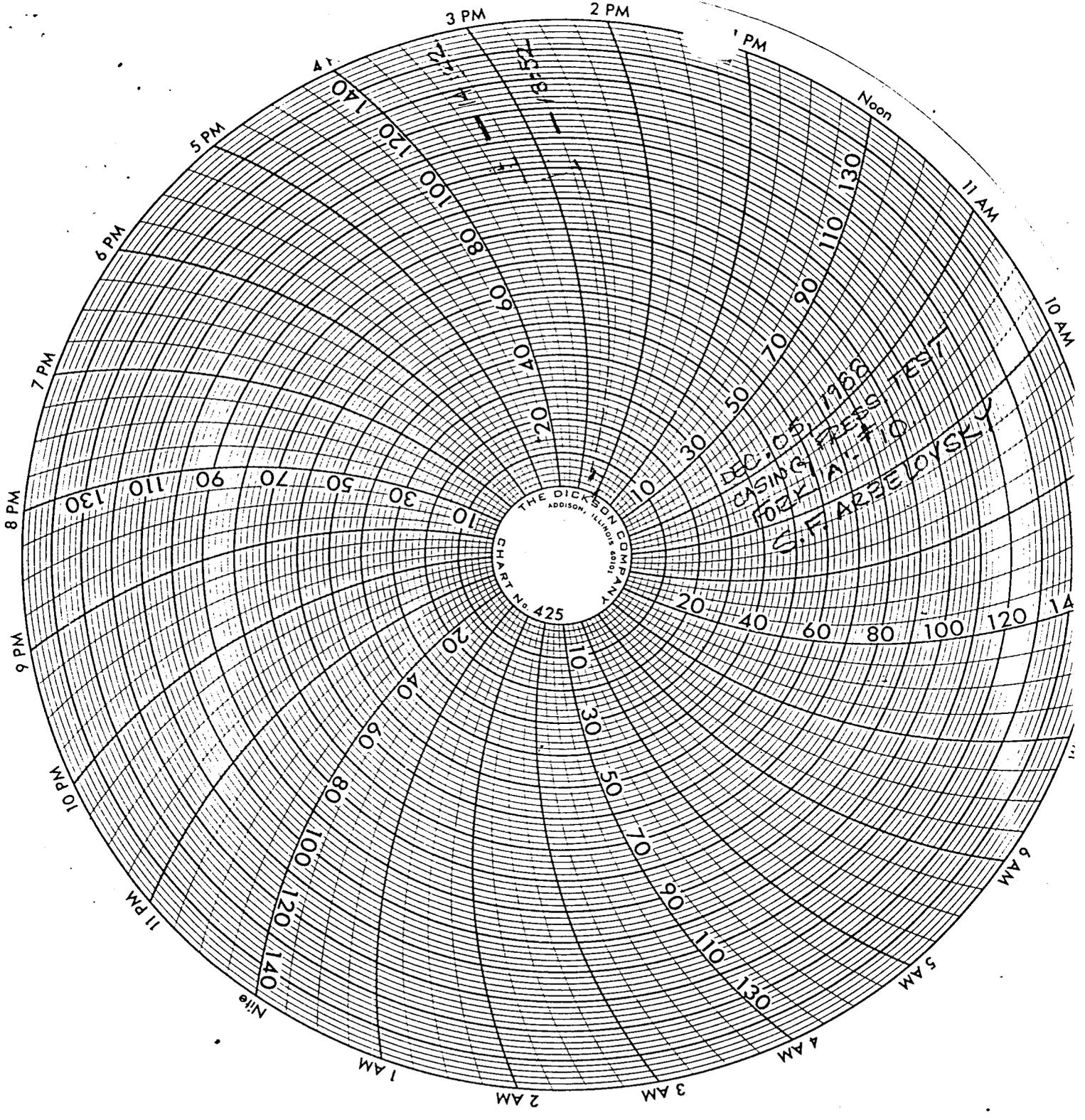
(This space for Federal or State office use)

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

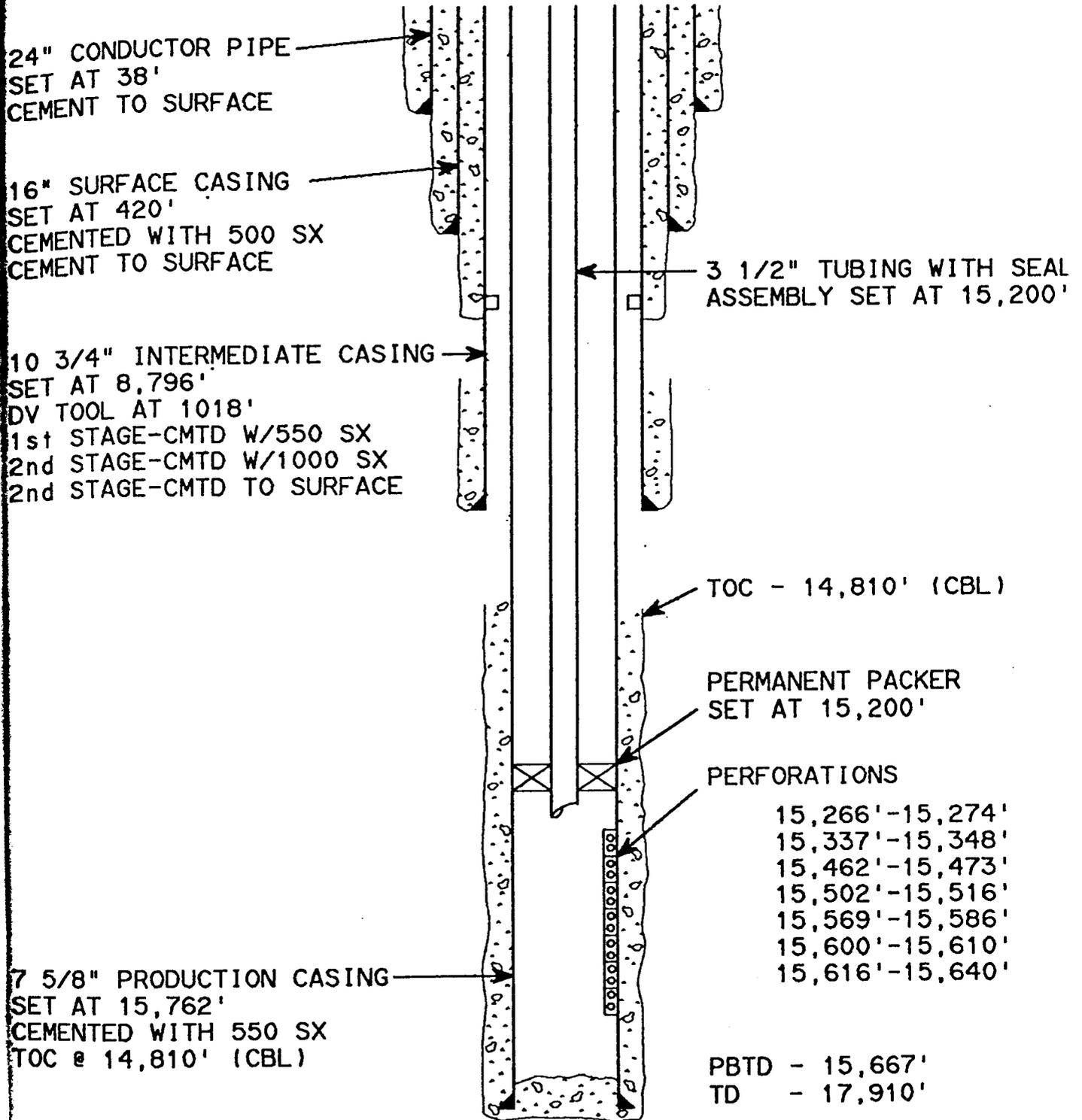
CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side





## FORK "A" #10 WELL SCHEMATIC



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

-----oo0oo-----

In the Matter of the Request :  
for Agency Action of Phillips  
Petroleum Company for an : Docket No. 88-024  
Aquifer Exemption and also for : Cause No. WD-104  
Authorization of the Conversion :  
to a Water Disposal Well for :  
the Fork A No. 10 Well, :  
Section 14, Township 3 North, : ORDER  
Range 14 East, Summit County, :  
Utah :

-----oo0oo-----

This matter was heard before the Board of Oil, Gas and Mining at its regularly scheduled meeting at 10:00 a.m. on December 1, 1988, in the Board Room of the Department of Natural Resources, 355 West North Temple, 3 Triad Center, Salt Lake City, Utah. The following Board Members, constituting a quorum, were present and participated in the hearing and the decision embodied herein:

Gregory P. Williams, Chairman  
James W. Carter  
Charles R. Henderson  
E. Steele McIntyre  
Judy F. Lever  
Richard B. Larsen

The Board of Oil, Gas and Mining was represented by Alan S. Bachman, Assistant Attorney General.

Members of the Division of Oil, Gas and Mining present at and participating in the hearing included:

Dr. Dianne R. Nielson, Director  
Ronald J. Firth, Associate Director, Oil and Gas  
John R. Baza, Petroleum Engineer  
Gilbert L. Hunt, Supervisor,  
Environmental/Geological Section

The Division of Oil, Gas and Mining was represented by Barbara W. Roberts, Assistant Attorney General.

The Utah State Office, Bureau of Land Management, Salt Lake City, was represented by Assad Rafoul.

The following appeared at the Hearing:

Phillips Petroleum Company

By: Alan A. Enke, Esq.  
RAY, QUINNEY & NEBEKER  
Salt Lake City, Utah

George M. Paulsen, Esq.  
Phillips Petroleum Company  
Denver, Colorado

Testimony was received from, and exhibits were introduced on behalf Phillips Petroleum Company by Blair Murphy, Production Engineer, Jonathan Grannis, Geologist, and Tom Lantz, Petroleum Engineer, all of whom were recognized by the Board as experts in their respective fields in the context of this matter.

The Board, having considered the testimony, exhibits, and evidence presented and the statements made by the participants at the hearing, now makes and enters the following:

FINDINGS OF FACT

1. On October 21, 1988, Phillips Petroleum Company ("Phillips"), submitted this Request for Agency Action for the authorization of the conversion of the Fork A No. 10 Well located in Section 14, Township 3 North, Range 14 East, S.L.M., in Summit County (the "Well"), into a water disposal well and the granting of an aquifer exemption for the Mowry and Dakota formations in the Well, pursuant to Rules R615-5-3 and R615-5-4 of the Board of Oil, Gas and Mining Conservation General Rules, and pursuant to § 40-6-5, Utah Code Annotated, 1953, as amended.

2. Pursuant to R615-5-2, R615-5-3 and R615-5-4 Phillips filed an application for approval of the Fork A No 10 Well as an injection well on October 21, 1988. Said application requires Board approval after notice and hearing.

3. Phillips is the operator of the federally administered Bridger Lake Unit located in Summit County, Utah, said unit lands generally being located in Township 3 North, Range 14 West, S.L.M., bordered on the north by the Utah-Wyoming state line.

4. Phillips is currently producing an average of 350 barrels of water per day from the Dakota formation in the Bridger Lake field, Summit County, Utah. Presently, this water is being transported by truck to a disposal pit owned by D&B Service at great expense to the Petitioner.

5. The Fork A No. 10 Well is located in Section 14, Township 3 North, Range 14 East, S.L.M., in Summit County, Utah. The surface location of the Well is 1623 feet from the east line and 1,686 feet from the south line of Section 14.

6. The water to be injected into the Well will be produced from the Dakota and Mowry formations in the Bridger Lake unit located in Summit County, Utah. The maximum anticipated injection rate is 2,000 BWPD. The initial injection pressure is expected to 1,000 psi. Maximum injection pressure should not exceed 3,000 psi. The injection interval in the well would be from 15,266 feet to 16,640 feet below the surface of the earth.

7. The intended source aquifer does not currently serve as a source of drinking water.

8. The aquifer cannot now and will not in the future serve as a source of drinking water because the aquifer is situated at a depth and a location that makes recovery of water for drinking water purposes economically or technologically impractical.

9. The aquifer is hydrocarbon producing, and contains hydrocarbons that, considering their quantity and location, are commercially producible.

10. Michael Strieby from the Environmental Protection Agency gave his telephonic approval of the aquifer exemption in a conversation with Gilbert L. Hunt on December 1, 1988.

#### CONCLUSIONS OF LAW

1. Due and regular notice of the time, place, and subject matter of this hearing in Cause WD-104 was given to all interested persons in accordance with applicable law, and in compliance with the rules, practices and orders of the Board pertaining to this matter.

2. The Petition of Phillips Petroleum Company in this matter was properly before the Board at the hearing, and the Board has jurisdiction over the matters contained therein.

3. The granting of the aquifer exemption is justified because of the nature, characteristics and location of the water found in the Dakota and Mowry formations.

4. The conversion of the Fork A No. 10 Well to a water disposal well will enhance the recovery of oil and gas in the Bridger Lake unit, and is in the public interest in that it promotes conservation, increases ultimate recovery and prevents waste of oil or gas.

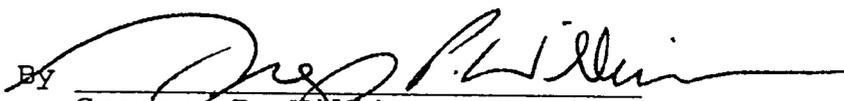
ORDER

IT IS HEREBY ORDERED THAT:

1. The application for an aquifer exemption for the Dakota and Mowry formations in Fork A No. 10 Well is approved.
2. The application for the conversion of the Fork A No. 10 Well into a water disposal well in the Dakota and Mowry formations is also approved.

ENTERED this 14<sup>th</sup> day of January, 1988.

BOARD OF OIL, GAS AND MINING

By   
Gregory P. Williams, Chairman

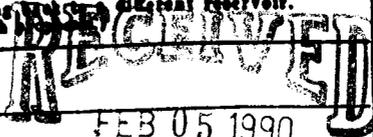
1036e

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Expired August 31, 1985  
(Other instructions on reverse side)

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug wells in different reservoirs.  
Use "APPLICATION FOR PERMIT" for such wells.)



1.  OIL WELL  GAS WELL  OTHER  Water Disposal

2. NAME OF OPERATOR  
Phillips Petroleum Company

3. ADDRESS OF OPERATOR  
152 N. Durbin, 2nd Floor, Casper, WY 82601

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.  
See also space 17 below.)  
At surface  
1623' FEL & 1686' FSL (NW SE)

5. LEASE DESIGNATION AND SERIAL NO.  
Utah 013147

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
N/A

7. UNIT AGREEMENT NAME  
Bridger Lake

8. FARM OR LEASE NAME  
Fork A

9. WELL NO.  
D10

10. FIELD AND POOL, OR WILDCAT  
Bridger Lake

11. SEC., T., R., M., OR BLK. AND SUBSTY OR AREA  
Sec. 14-T3N-R14E

12. COUNTY OR PARISH  
Summit

13. STATE  
Utah

14. PERMIT NO.  
API #43-043-30001

15. ELEVATIONS (Show whether SP, ST, OR, etc.)  
9041' RKB

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

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

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

MI & RU well service unit 1/16/90. Pressure tested lines to 5000 psi. Acidized Dakota perms w/1500 gals 15% HCL w/additives, displaced w/136 bbls lease salt wtr. Average pump pressure 1 BPM at 2500 psi. No noticeable break when acid was on perms. Well on vacuum after 5 min. RD well service unit. Hooked up wellhead and returned well to injecting lease salt water.

UIC	<input checked="" type="checkbox"/>
GLH	<input checked="" type="checkbox"/>
DJJ	<input type="checkbox"/>
BGH	<input type="checkbox"/>
COMPUTER	<input type="checkbox"/>
MICROFILM	<input type="checkbox"/>
FILE	<input type="checkbox"/>

UIC	<input checked="" type="checkbox"/>
GLH	<input checked="" type="checkbox"/>
DJJ	<input type="checkbox"/>
BGH	<input type="checkbox"/>
COMPUTER	<input type="checkbox"/>
MICROFILM	<input checked="" type="checkbox"/>
FILE	<input type="checkbox"/>

2-TAS  
3-MICROFILM  
4-UIC

- Distribution:
- 3 - BLM, Salt Lake City
  - 2 - Utah Div of O&G&M
  - 1 - D. C. Gill (r) J. Lee
  - 1 - N. Anstine
  - 1 - Casper File - RC

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

SIGNED S. H. Oden TITLE District Superintendent DATE January 29, 1990

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side



**PHILLIPS PETROLEUM COMPANY**

CASPER, WYOMING 82601  
152 NORTH DURBIN STREET, SECOND FLOOR

**RECEIVED**  
MAR 13 1990

DIVISION OF  
OIL, GAS & MINING

March 9, 1990

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

Attn: Dan Jarvis

RE: Fork A#D10  
Summit County, Utah

Dear Mr. Jarvis:

Attached are two copies of a Sundry Notice concerning the Fork A#D10 SWD well and disposing of small quantities water from the inlet receiver of the Bridger Lake Gas Plant. This matter was discussed with you over the phone with Ed Hasely of this office on March 9, 1990.

In the phone conversation you mentioned that Phillips should submit a Sundry Notice to you for review and approval. A Special Use Application has been submitted to the Forest Service and the Bureau of Land Management has been contacted and will also receive this Sundry.

If you have any questions or need further information, please contact Ed Hasely at (307) 237-5969.

Sincerely,

PHILLIPS PETROLEUM COMPANY

*S. H. Oden*  
for

S. H. Oden  
District Superintendent

LEH:sou/fb  
Attachments

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU LAND MANAGEMENT**

SUBMIT IN TRIPLICATE  
(Other instructions on reverse side)

Expires August 31, 1985

8. LEASE DESIGNATION AND SERIAL NO.  
Utah 013147

9. IF INDIAN, ALLOTTEE OR TRIBE NAME

10. UNIT AGREEMENT NAME  
Bridger Lake

11. ARM OR LEASE NAME  
Fork A

12. WELL NO.  
D10

13. FIELD AND POOL, OR WILDCAT  
Bridger Lake

14. SEC., T., R., N., OR BLK. AND SURVEY OR AREA  
Sec. 14-T3N-R14E

15. COUNTY OR PARISH  
Summit

16. STATE  
Utah

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1.  OIL WELL  GAS WELL  OTHER **Water Disposal**

2. NAME OF OPERATOR  
**Phillips Petroleum Company**

3. ADDRESS OF OPERATOR  
**152 N. Durbin 2nd floor Casper, WY 82601**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)  
At surface  
**1623 FEL & 1686 FSL (NW SE)**

14. PERMIT NO.  
**API #43-043-30001**

15. ELEVATIONS (Show whether OP, NT, OR, etc.)  
**9041 RKB**

**RECEIVED**  
MAR 13 1990  
DIVISION OF OIL, GAS & MINING

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

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

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

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

This serves as Phillips Petroleum Company's request to dispose of small amounts of water from outside the Bridger Lake Unit into the Fork A#D10. The volume is estimated at zero to five barrels of water per day.

The water comes into the Bridger Lake Gas Plant with the "dry" gas that Phillips purchases from Texaco and Anadarko. Due to normal oil and gas operations, the water may contain some glycol/methanol.

The Fork A#D10 injected an average of 313 BWPD at an average pressure of 40 psig in 1989.

3 BLM, SLC  
2 Utah Div. of Oil, Gas, & Mining  
1- L. E. Hasely  
1- Casper RC

**APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING**  
DATE: 3-15-90  
BY: [Signature]

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

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

SIGNED [Signature] TITLE District Superintendent FILE 44-1111 DATE March 9, 1990  
**S.H. Oden**

(This space for Federal or State office use)

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

*Federal Approval of this  
Action is Necessary*

\*See Instructions on Reverse Side.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No 1004-1115  
Expires September 30, 1990

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

RECEIVED  
JUL 30 1990

1. Type of Well  
 Oil Well    Gas Well    Other Disposal Well

2. Name of Operator  
 Phillips Petroleum Company

3. Address and Telephone No.  
 152 N. Durbin, 2nd Floor, Casper, WY 82601   307-237-5960

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
 1623' FEL & 1686' FSL, NW SE, Sec. 14-T3N-R14E

5. Lease Designation and Serial No  
 013147

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation  
 Bridger Lake Unit

8. Well Name and No.  
 Fork A, Well #D10

9. API Well No.  
 43-043-30001

10. Field and Pool, or Exploratory Area  
 Bridger Lake Field

11. County or Parish, State  
 Summit County, Utah

DIVISION OF  
OIL, GAS & MINING

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other
	<u>Acidize</u>

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

13. 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.)

MI & RU well service unit 7/13/90. Pressured csg to 1500 psi, held OK. Pmpd 1500 gals 15% HCL with additives at 3 BPM at 3000 psi. Flushed with 135 bbls lease salt water. Maximum pressure 3000 psi. Broke from 2950 to 2200 psi with acid on perms. Final pump pressure 2200 psi at 3 BPM. ISIP 1700 psi. RD & MO well service, reconnected wellhead, and returned well to disposal status.

OIL AND GAS	
DFN	RJF
JPB	GIH
LNS	SLS
1-DNE	
2-MICROFILM ✓	
2-FILE	

Distribution:

- 3 - BLM, Salt Lake
- 2 - Utah Div of O&G&M
- 1 - N. Anstine
- 1 - Casper PPGCo. RC
- 1 - Houston PPGCo.

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

Signed S. H. Oden S. H. Oden Title District Superintendent Date July 25, 1990

(This space for Federal or State office use)

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

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statement or representations as to any matter within its jurisdiction.

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

**SUBMIT IN TRIPLICATE**

DEC 05 1990

1. Type of Well

Oil Well     Gas Well     Other **Disposal Well**

2. Name of Operator

Phillips Petroleum Company

3. Address and Telephone No.

152 N. Durbin, 2nd Floor, Casper, WY 82601      307-237-5960

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1623' FEL & 1686' FSL, NW SE, Sec. 14-T3N-R14E

5. Lease Designation and Serial No.

013147

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

Bridger Lake Unit

8. Well Name and No.

Fork A, Well #D10

9. API Well No.

43-043-30001

10. Field and Pool, or Exploratory Area

Bridger Lake Field

11. County or Parish, State

Summit County, Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Acidize, Check for</u> suspected communication
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

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

13. 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.)\*

November 12 through November 16, 1990

MI & RU well service unit 11/12/90. ND WH, NU BOP. Pulled seal assembly free from pkr & COOH w/tbg & Baker seal assembly. RU hydrotest unit & RIH w/493 jts 3-1/2" tbg, hydro-testing all but last 11 jts. Replaced one collar. Circ 500 bbls pkr fluid. ND BOP. Stung seal assembly into pkr. NU WH. Pressure tested csg to 1500 psi for 15 min for mechanical integrity test 11/14/90 according to stipulations of Dan Jarvis with Utah Division of Oil & Gas & Mining. Held OK. RD & MO well service unit & return well to disposal service. MI Halliburton 11/16/90 & acidized perfs with 1500 gals 15% HCL w/ additives, flushed w/132 bbls produced lease wtr. Avg 4 BPM at 3400 psi. Max pressure 3700 psi, ISIP 2500 psi, after 10 min well on vacuum. Return well to service 11/16/90.

- cc: 3 - BLM, Salt Lake  
2 - Utah Div. of O&G&M  
1 - N. Anstine  
1 - Casper PPCo. RC  
1 - Houston PPCo.

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

Signed S. H. Oden S. H. Oden Title District Superintendent Date December 3, 1990

(This space for Federal or State office use)

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

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well     Gas Well     Other

2. Name of Operator

Phillips Petroleum Company    ATTN: J. F. Mitchell

3. Address and Telephone No.

P.O.Box 1967 Houston, TX 77251-1967    (713) 669-3509

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1623' FEL & 1686' FSL, NW SE Sec. 14-T3N-R14E

5. Lease Designation and Serial No.

#8910086770

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

Bridger Lake Unit

8. Well Name and No.

Fork A #D-10

9. API Well No.

43-043-30001

10. Field and Pool, or Exploratory Area

Bridger Lake - Fort Union

11. County or Parish, State

Summit County, Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other Acidize
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

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

13. 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.)\*

Rigged up Halliburton Services 9-02-91. Pressured annulus to 1200 psi and held throughout acid job. Pumped 1500 gallons 15% HCl with additives. Displaced acid with 150 bbls produced water. Pump rate averaged 4 bpm at 3500 psi. ISIP = 2450 psi; well on vacuum after 15 minutes. Depressured annulus and rigged down Halliburton. Connected injection line and put well in service.

**RECEIVED**

FEB 24 1992

DIVISION OF  
OIL & GAS MINING

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

Signed Jacob Mitchell J. F. Mitchell Title Director, Regulatory/Compliance Date 2/20/92

(This space for Federal or State office use)

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

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



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

6. Lease Designation and Serial Number

7. Indian Allottee or Tribe Name

8. Unit or Communitization Agreement

8910086770

9. Well Name and Number

Fork-A Lease

10. API Well Number

See attachment

11. Field and Pool, or Wildcat

Bridger Lake-Dakota

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT for such purposes.

1. Type of Well  
 Oil Well     Gas Well     Other (specify) \_\_\_\_\_

2. Name of Operator  
 Phillips Petroleum Company

3. Address of Operator  
 P.O. Box 1967, Houston, Tx 77251

4. Telephone Number  
 (713) 669-2993

5. Location of Well  
 Footage : \_\_\_\_\_  
 County : Summit  
 Q.Q. Sec. T., R., M. : Sections 14, 23, 24, 25, 26, 35&36 T3N-R14E  
 State : UTAH

**12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

**NOTICE OF INTENT**  
(Submit in Duplicate)

- Abandonment
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Multiple Completion
- Other Notice of Sale
- New Construction
- Pull or Alter Casing
- Recompletion
- Shoot or Acidize
- Vent or Flare
- Water Shut-Off

Approximate Date Work Will Start \_\_\_\_\_

**SUBSEQUENT REPORT**  
(Submit Original Form Only)

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

Date of Work Completion \_\_\_\_\_

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

\* Must be accompanied by a cement verification report.

13. 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.)

Effective FEBRUARY 1, 1993, PHILLIPS PETROLEUM COMPANY has sold its interest of the reference well / lease to PRIMA EXPLORATION, INC. They assumed operations effective AUGUST 1, 1993. Bond coverage for lease activities is being provided by PRIMA EXPLORATION, INC under their ( Individual, Statewide, Nationwide ) bond, bond number UT0953. PRIMA EXPLORATION, INC. will be responsible for compliance under the lease conditions for the portion of the lease associated with this notice.

From:  
 PHILLIPS PETROLEUM COMPANY  
 P.O. BOX 1967  
 HOUSTON, TEXAS 77251-1967

Phone: (713) 669-2993

To:  
 PRIMA EXPLORATION, INC.  
 7800 EAST UNION AVENUE  
 SUITE 605  
 DENVER, COLORADO 80237

Phone: (303) 779-0402

Signed: [Signature] Title: President

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

Name & Signature

[Signature]

Gary Rose

Title Sr. Acctg. Supv.

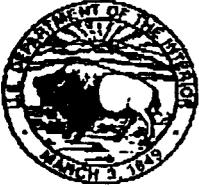
Date 7/28/93

(State Use Only)

Attachment to Form 9-Notice of Sale

Utah Account Number N0772 (all wells)  
 Entity Number 06285  
 Lease Name Fork-A  
 Field & Zone Bridger Lake - Dakota  
 County Summit

Well Number	API Number	¼ ¼	Location Section-Twnshp-Rng
A-#2	43 043 20009	NWSE	26-T3N-R14E
A-#4	43 043 20143	NWNW	26-T3N-R14E
A-#6	43 043 20196	SWNW	23-T3N-R14E
A-#7	43 043 20303	SWSE	<del>24-T3N-R14E</del>
A-State #8	43 043 20305	SWNW	36-T3N-R14E
A-#13	43 043 30146	NWNE	35-T3N-R14E
✓A-#D10	43 043 30001	NWSE	14-T3N-R14E - <i>WDA</i>
A-#G03	43 043 20010	NWNW	25-T3N-R14E - <i>Blw</i>
A-#G05	43 043 20186	SWSE	23-T3N-R14E - <i>Blw</i>



# United States Department of the Interior



## BUREAU OF LAND MANAGEMENT

Utah State Office  
324 South State, Suite 501  
Salt Lake City, Utah 84111-2808

IN REPLY REFER TO:

3104  
BLM Bond No. UT0953  
(UT-942)

*Utah (fed)*

### DECISION

JUL 23 1993

Obligor:	:	Bond Amount:	\$25,000
Prima Exploration, Inc.	:		
7800 East Union Avenue, Suite 605	:	Bond Type:	Statewide
Denver, CO 80237	:		Oil and Gas
	:		
Financial Institution:	:	BLM Bond Number:	UT0953
Norwest Bank Denver, N.A.	:		
Attn: Mark Williamson	:		
1740 Broadway	:		
Denver, CO 80274-8699	:		

### Statewide Oil and Gas Personal Bond and Certificate of Deposit Accepted

On July 22, 1993, this office received Bond Form 3000-4 together with Investment Deposit Agreement (Book Entry) No. 101690005 evidencing the purchase of a \$25,000 Certificate of Deposit (CD) by Prima Exploration, Inc. The CD was submitted to this office in order to secure a statewide oil and gas bond for the above obligor. Both documents have been examined and are accepted effective July 22, 1993.

The CD will be retained by the Bureau of Land Management (BLM) and will automatically renew every six months until all terms and conditions of the leases covered have been fulfilled or until a satisfactory replacement bond has been accepted by the BLM.

The bond will be maintained by this office and constitutes coverage of all operations conducted by the obligor on Federal oil and gas leases in the State of Utah. The bond provides coverage of the obligor where that obligor has interest in, and/or responsibility for operations on, leases issued under the authority of any of the Acts cited on the bond form. Please note that Federal leases do not include Indian leases.

If you have any questions, please contact Dianne Wright of this office at 539-4114.

*Jane J. Anderson*  
ACTING Chief, Minerals  
Adjudication Section

RECEIVED

AUG 11 1993

August 9, 1993

DIVISION OF  
OIL GAS & MINING



PRIMA EXPLORATION INC.

Division of Oil, Gas & Mining  
Attn: Lisha Cordova  
355 W. North Temple  
3 Triad Center, Suite 350  
Salt Lake City, UT 84180-1203

Dear Lisha:

Effective August 1, 1993, Prima Exploration, Inc. took over operations of the below listed wells from Phillips Petroleum Company:

Fork A #2	NWSE Sec. 26-T3N-R14E	43-043-20009
Fork A #3 (SI) GIW	NWNW Sec. 25-T3N-R14E	43-043-20010
Fork A #4 (SI)	NWNW Sec. 26-T3N-R14E	43-043-20143
Fork A #5 (SI) GIW	SWSE Sec. 23-T3N-R14E	43-043-20186
Fork A #6	SWNW Sec. 23-T3N-R14E	43-043-20196
Fork A #7	SWSE Sec. 24-T3N-R14E	43-043-20303
Fork A #8 (SI)	SWNW Sec. 36-T3N-R14E	43-043-30146
✓ Fork A #10 (SWD)	NWSE Sec. 14-T3N-R14E	43-043-30001
Fork A #13	NWNE Sec. 35-T3N-R14E	43-043-30146

all wells located in Summit County, UT.

Please send all correspondence for production reporting to the attention of Liz Allen. Tax reporting correspondence should be sent to Valerie Whitmarsh.

Sincerely,

PRIMA EXPLORATION, INC.

Valerie S. Whitmarsh  
Accounting Manager

cc: Oil & Gas Audit, Marcia Perk  
Liz Allen

phil2.ut

AUG 30 1993

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

Well name and number: <u>Fork-A #D10</u>	
Field or Unit name: <u>Bridger Lake</u>	API no. <u>4304330001</u>
Well location: QQ <u>NWSE</u> section <u>14</u> township <u>3N</u> range <u>14E</u> county <u>Summit</u>	
Effective Date of Transfer: <u>2/1/93</u>	(Transferred operations 8/1/93)
<b>CURRENT OPERATOR</b>	
Transfer approved by:	
Name <u>M. B. Smith</u>	Company <u>Phillips Petroleum Company</u>
Signature <u><i>M B Smith</i></u>	Address <u>P.O. Box 1967</u>
Title <u>Attorney-in-Fact</u>	<u>Houston, TX 77251-1967</u>
Date _____	Phone <u>( 713 ) 669-2993</u>
Comments:	
<b>NEW OPERATOR</b>	
Transfer approved by:	
Name <u>Donald J. Law</u>	Company <u>Prima Exploration Inc.</u>
Signature <u><i>Donald J Law</i></u>	Address <u>7800 East Union Avenue</u>
Title <u>President</u>	<u>Suite 605</u>
Date <u>8-21-93</u>	<u>Denver, CO 80237</u>
Date _____	Phone <u>( 303 ) 779-0402</u>
Comments:	
(State use only)	
Transfer approved by <u><i>[Signature]</i></u>	Title <u><i>UIC Manager</i></u>
Approval Date <u>10-6-93</u>	



**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)

UTAH DIVISION OF OIL, GAS AND MINING  
 FACSIMILE TRANSMISSION COVER SHEET

DATE: August 12, 1993  
 FAX # (713) 669-3660  
 ATTN: Carla McCully  
 COMPANY: Phillips Petroleum Co.  
 FROM: Lisha Cordova  
 DEPARTMENT: Oil, Gas & Mining  
 NUMBER OF PAGES BEING SENT (INCLUDING THIS ONE): 2

If you do not receive all of the pages, or if they are illegible, please call (801) 538-5340.

We are sending from a Murata facsimile Machine. Our telecopier number is (801) 359-3940.

MESSAGES:

Req. Transfer of Authority to Inject.  
✓ D10 (WDW), A-#3 (G1W), A-#5 (G1W)

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

-----ooOoo-----

In the Matter of the Request :  
for Agency Action of Phillips :  
Petroleum Company for an : Docket No. 88-024  
Aquifer Exemption and also for :  
Authorization of the Conversion : Cause No. WD-104  
to a Water Disposal Well for :  
the Fork A No. 10 Well, :  
Section 14, Township 3 North, : ORDER  
Range 14 East, Summit County, :  
Utah :

-----ooOoo-----

This matter was heard before the Board of Oil, Gas and Mining at its regularly scheduled meeting at 10:00 a.m. on December 1, 1988, in the Board Room of the Department of Natural Resources, 355 West North Temple, 3 Triad Center, Salt Lake City, Utah. The following Board Members, constituting a quorum, were present and participated in the hearing and the decision embodied herein:

Gregory P. Williams, Chairman  
James W. Carter  
Charles R. Henderson  
E. Steele McIntyre  
Judy F. Lever  
Richard B. Larsen

The Board of Oil, Gas and Mining was represented by Alan S. Bachman, Assistant Attorney General.

Members of the Division of Oil, Gas and Mining present at and participating in the hearing included:

Dr. Dianne R. Nielson, Director  
Ronald J. Firth, Associate Director, Oil and Gas  
John R. Baza, Petroleum Engineer  
Gilbert L. Hunt, Supervisor,  
Environmental/Geological Section

The Division of Oil, Gas and Mining was represented by Barbara W. Roberts, Assistant Attorney General.

The Utah State Office, Bureau of Land Management, Salt Lake City, was represented by Assad Rafoul.

The following appeared at the Hearing:

Phillips Petroleum Company

By: Alan A. Enke, Esq.  
RAY, QUINNEY & NEBEKER  
Salt Lake City, Utah

George M. Paulsen, Esq.  
Phillips Petroleum Company  
Denver, Colorado

Testimony was received from, and exhibits were introduced on behalf Phillips Petroleum Company by Blair Murphy, Production Engineer, Jonathan Grannis, Geologist, and Tom Lantz, Petroleum Engineer, all of whom were recognized by the Board as experts in their respective fields in the context of this matter.

The Board, having considered the testimony, exhibits, and evidence presented and the statements made by the participants at the hearing, now makes and enters the following:

FINDINGS OF FACT

1. On October 21, 1988, Phillips Petroleum Company ("Phillips"), submitted this Request for Agency Action for the authorization of the conversion of the Fork A No. 10 Well located in Section 14, Township 3 North, Range 14 East, S.L.M., in Summit County (the "Well"), into a water disposal well and the granting of an aquifer exemption for the Mowry and Dakota formations in the Well, pursuant to Rules R615-5-3 and R615-5-4 of the Board of Oil, Gas and Mining Conservation General Rules, and pursuant to § 40-6-5, Utah Code Annotated, 1953, as amended.

2. Pursuant to R615-5-2, R615-5-3 and R615-5-4 Phillips filed an application for approval of the Fork A No 10 Well as an injection well on October 21, 1988. Said application requires Board approval after notice and hearing.

3. Phillips is the operator of the federally administered Bridger Lake Unit located in Summit County, Utah, said unit lands generally being located in Township 3 North, Range 14 West, S.L.M., bordered on the north by the Utah-Wyoming state line.

4. Phillips is currently producing an average of 350 barrels of water per day from the Dakota formation in the Bridger Lake field, Summit County, Utah. Presently, this water is being transported by truck to a disposal pit owned by D&B Service at great expense to the Petitioner.

5. The Fork A No. 10 Well is located in Section 14, Township 3 North, Range 14 East, S.L.M., in Summit County, Utah. The surface location of the Well is 1623 feet from the east line and 1,686 feet from the south line of Section 14.

6. The water to be injected into the Well will be produced from the Dakota and Mowry formations in the Bridger Lake unit located in Summit County, Utah. The maximum anticipated injection rate is 2,000 BWPD. The initial injection pressure is expected to 1,000 psi. Maximum injection pressure should not exceed 3,000 psi. The injection interval in the well would be from 15,266 feet to 16,640 feet below the surface of the earth.

7. The intended source aquifer does not currently serve as a source of drinking water.

8. The aquifer cannot now and will not in the future serve as a source of drinking water because the aquifer is situated at a depth and a location that makes recovery of water for drinking water purposes economically or technologically impractical.

9. The aquifer is hydrocarbon producing, and contains hydrocarbons that, considering their quantity and location, are commercially producible.

10. Michael Strieby from the Environmental Protection Agency gave his telephonic approval of the aquifer exemption in a conversation with Gilbert L. Hunt on December 1, 1988.

#### CONCLUSIONS OF LAW

1. Due and regular notice of the time, place, and subject matter of this hearing in Cause WD-104 was given to all interested persons in accordance with applicable law, and in compliance with the rules, practices and orders of the Board pertaining to this matter.

2. The Petition of Phillips Petroleum Company in this matter was properly before the Board at the hearing, and the Board has jurisdiction over the matters contained therein.

3. The granting of the aquifer exemption is justified because of the nature, characteristics and location of the water found in the Dakota and Mowry formations.

4. The conversion of the Fork A No. 10 Well to a water disposal well will enhance the recovery of oil and gas in the Bridger Lake unit, and is in the public interest in that it promotes conservation, increases ultimate recovery and prevents waste of oil or gas.

ORDER

IT IS HEREBY ORDERED THAT:

1. The application for an aquifer exemption for the Dakota and Mowry formations in Fork A No. 10 Well is approved.

2. The application for the conversion of the Fork A No. 10 Well into a water disposal well in the Dakota and Mowry formations is also approved.

ENTERED this 14<sup>th</sup> day of <sup>January</sup>~~December~~, 1988.

BOARD OF OIL, GAS AND MINING

By   
Gregory P. Williams, Chairman

1036e

RECEIVED

SEP 23 1993

COPY

Bureau of Land Management  
P.O. Box 45155  
Salt Lake City, Utah 84145-0155

DIVISION OF  
OIL, GAS & MINING

September 22, 1993

Prima Exploration, Inc,  
7800 East Union Avenue, Suite 605  
Denver, Colorado 80237

Re: Bridger Lake Unit  
Summit County, Utah

Gentlemen:

On September 20, 1993, we received an indenture dated August 1, 1993, whereby Phillips Petroleum Company resigned as Unit Operator and Prima Exploration, Inc. was designated as Successor Unit Operator for the Bridger Lake Unit, Summit County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective September 21, 1993. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all of the required approvals that would entitle it to conduct operations under the Bridger Lake Unit Agreement.

Your statewide (Utah) oil and gas bond No. 0953 will be used to cover all operations within the Bridger Lake Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks  
Chief, Branch of Fluid Minerals

Enclosure

bcc: District Manager - Salt Lake (w/enclosure)  
Division of Oil, Gas & Mining  
Division of Lands and Mineral Operations U-942  
File - Bridger Lake Unit (w/enclosure)  
MMS - Data Management Division  
Agr. Sec. Chron  
Fluid Chron  
U-922:TAThompson:tt:09-21-93

Routing:

1-LEC/GM
2-DT/ST-S
3-VLC/8-114
4-RJE/V
5-LEC
6-PL

Attach all documentation received by the division regarding this change.  
 Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold)       Designation of Agent  
 Designation of Operator             Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 8-1-93)

TO (new operator)	<u>PRIMA EXPLORATION INC</u>	FROM (former operator)	<u>PHILLIPS PETROLEUM COMPANY</u>
(address)	<u>7800 E UNION AVE STE 605</u>	(address)	<u>PO BOX 1967</u>
	<u>DENVER, CO 80237</u>		<u>HOUSTON, TX 77251-1967</u>
	<u>DONALD LAW, PRES.</u>		<u>GARY ROSE</u>
	phone <u>(303) 779-0402</u>		phone <u>(713) 669-2993</u>
	account no. <u>N 2030 (8-9-93)</u>		account no. <u>N 0772</u>

Well(s) (attach additional page if needed): **\*BRIDGER LAKE UNIT**

Name: <u>A-#2/DKTA</u>	API: <u>43-043-20009</u>	Entity: <u>6285</u>	Sec <u>26</u> Twp <u>3N</u> Rng <u>14E</u>	Lease Type: <u>U-013147</u>
Name: <u>A-#4/DKTA</u>	API: <u>43-043-20143</u>	Entity: <u>6285</u>	Sec <u>26</u> Twp <u>3N</u> Rng <u>14E</u>	Lease Type: <u>"</u>
Name: <u>A-#6/DKTA</u>	API: <u>43-043-20196</u>	Entity: <u>6285</u>	Sec <u>23</u> Twp <u>3N</u> Rng <u>14E</u>	Lease Type: <u>"</u>
Name: <u>A-#7/DKTA</u>	API: <u>43-043-20303</u>	Entity: <u>6285</u>	Sec <u>24</u> Twp <u>3N</u> Rng <u>14E</u>	Lease Type: <u>U-013146</u>
Name: <u>A-STATE #8/DKTA</u>	API: <u>43-043-20305</u>	Entity: <u>6285</u>	Sec <u>36</u> Twp <u>3N</u> Rng <u>14E</u>	Lease Type: <u>ML-17185</u>
Name: <u>A-#13/DKTA</u>	API: <u>43-043-30146</u>	Entity: <u>6285</u>	Sec <u>35</u> Twp <u>3N</u> Rng <u>14E</u>	Lease Type: <u>U-013147</u>
Name: <u>#D10/DKTA (WDW)</u>	API: <u>43-043-30001</u>	Entity: <u>6285</u>	Sec <u>14</u> Twp <u>3N</u> Rng <u>14E</u>	Lease Type: <u>"</u>

**OPERATOR CHANGE DOCUMENTATION**

- See 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 8-5-93)*
- See 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Rec'd 8-5-93)*
- See 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_ If yes, show company file number: #173386. *eff. 7-6-93*
- See 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- See 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(9-27-93)*
- See 6. Cardex file has been updated for each well listed above. *(9-27-93)*
- See 7. Well file labels have been updated for each well listed above. *(9-27-93)*
- See 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(9-27-93)*
- See 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

OT 1 1994

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. Type of Well: OIL <input type="checkbox"/> GAS <input type="checkbox"/> OTHER: _____		5. Lease Designation and Serial Number: _____
2. Name of Operator: Prima Exploration, Inc.		6. If Indian, Allottee or Tribe Name: _____
3. Address and Telephone Number: 7800 E. Union Avenue, #605, Denver, CO 80237 (303) 779-0402		7. Unit Agreement Name: 8910086770
4. Location of Well Footages: CO, Sec., T., R., M.: Sections 14, 23, 24, 25, 26, 35 & 36 T3N-R14E		8. Well Name and Number: Fork A Lease
		9. API Well Number: See attachment
		10. Field and Pool, or Wildcat: Bridger Lake
		County: Summit
		State: Utah

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

**NOTICE OF INTENT**  
(Submit in Duplicate)

- |   |   |
|---|---|
| <input type="checkbox"/> Abandonment                            | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Casing Repair                          | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans                        | <input type="checkbox"/> Recompletion         |
| <input type="checkbox"/> Conversion to Injection                | <input type="checkbox"/> Shoot or Acidize     |
| <input type="checkbox"/> Fracture Treat                         | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Multiple Completion                    | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other <u>Notice of Sale</u> |   |

Approximate date work will start \_\_\_\_\_

**SUBSEQUENT REPORT**  
(Submit Original Form Only)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandonment *           | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Casing Repair           | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans         | <input type="checkbox"/> Shoot or Acidize     |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat          | <input type="checkbox"/> Water Shut-Off       |
| <input type="checkbox"/> Other _____             |   |

Date of work completion \_\_\_\_\_

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

\* Must be accompanied by a cement verification report.

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

Effective December 1, 1993, PRIMA EXPLORATION, INC., has sold its interest of the referenced well/lease to BTA OIL PRODUCERS. They assumed operations effective OCTOBER 1, 1994. Bond coverage for lease activities is being provided by BTA OIL PRODUCERS, under their statewide oil and gas bond BLM bond no. UT0711. BTA OIL PRODUCERS will be responsible for compliance under the lease conditions for the portion of the lease associated with this notice.

From:  
Prima Exploration, Inc.  
7800 E. Union Avenue, Suite 605  
Denver, CO 80237  
(303) 779-0402

To:  
BTA Oil Producers  
104 South Pecos  
Midland, TX 79701  
(915) 682-3753

Signed: Benny Bell  
Title: Partner

13. Name & Signature: Dan Law Title: PRES Date: 9/26/94

(This space for State use only)

## Attachment to Form 9 - Notice of Sale

Utah Account Number	N0772 (all wells)
Entity Number	06285
Lease Name	Fork-A
Field & Zone	Bridger Lake - Dakota
County	Summit

<u>Well Number</u>	<u>API Number</u>	<u>1/4 1/4</u>	<u>Location Sec. Township-Range</u>
A-#2	43 043 20009	NWSE	26-3N-14E
A-#4	43 043 20143	NWNW	26-3N-14E
A-#6	43 043 20196	SWNW	23-3N-14E
A-#7	43 043 20303	SWSE	24-3N-14E
A-State #8	43 043 20305	SWNW	36-3N-14E
A-#13	43 043 30146	NWNE	35-3N-14E
A-#D10	43 043 30001	NWSE	14-3N-14E
A-#G03	43 043 20010	NWNW	25-3N-14E

# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, Utah 84145-0155

107 20

IN REPLY REFER TO:  
UT-922

October 19, 1994

**COPY**

BTA Oil Producers  
104 S. Pecos  
Midland, Texas 79701

RE: Bridger Lake Unit  
Summit County, Utah

Gentlemen:

On October 12, 1994, we received an indenture dated October 1, 1994, whereby Prima Exploration, Inc. resigned as Unit Operator and BTA Oil Producers was designated as Successor Unit Operator for the Bridger Lake Unit, Summit County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective October 19, 1994.

Your statewide (Utah) oil and gas bond No. 0711 will be used to cover all operations within the Bridger Lake Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks  
Chief, Branch of Fluid Minerals

Enclosure

bcc: District Manager - Salt Lake (w/enclosure)  
Division of Oil, Gas & Mining  
Division of Lands and Mineral Operations  
File - Bridger Lake Unit (w/enclosure)  
MMS - Data Management Division  
Agr. Sec. Chron  
Fluid Chron  
AIRS

WELL STATUS REPORTS  
UTAH STATE OFFICE

INSPECTION ITEM	API NO.	WELL NUMBER	QTQT	SEC	TWN	RNG	WELL STATUS	LEASE NAME	OPERATOR
-----------------	---------	-------------	------	-----	-----	-----	-------------	------------	----------

WELL STATUS REPORTS  
UTAH STATE OFFICE

INSPECTION ITEM	API NO.	WELL NUMBER	QTQT	SEC	TWN	RNG	WELL STATUS	LEASE NAME	OPERATOR
-----------------	---------	-------------	------	-----	-----	-----	-------------	------------	----------

\*\* INSPECTION ITEM 8910086770

BRIDGER LAKE DK

8910086770	430431576300S2	1	NWSW	25	3N	14E	ABD	UTU013145 <i>paid 9/92</i>	PRIMA EXPLORATION INCORPO
8910086770	✓430433000100S1	10	NWSE	14	3N	14E	WDW	UTU013147	PRIMA EXPLORATION INCORPO
8910086770	✓430433014600S1	13	NWNE	35	3N	14E	POW	UTU013147	PRIMA EXPLORATION INCORPO
8910086770	430433014700S1	14	SWNE	25	3N	14E	ABD	UTU013145 <i>paid 9/92</i>	PRIMA EXPLORATION INCORPO
8910086770	✓430432000900S1	2	NWSE	26	3N	14E	POW	UTU013147	PRIMA EXPLORATION INCORPO
8910086770	✓430432001000S1	3	NWNW	25	3N	14E	GIWSI	UTU013145	PRIMA EXPLORATION INCORPO
8910086770	✓430432014300S1	4	NWNW	26	3N	14E	OSI	UTU013147	PRIMA EXPLORATION INCORPO
8910086770	430432018600S1	5	SWSE	23	3N	14E	GIW	UTU013147	PRIMA EXPLORATION INCORPO
8910086770	✓430432019600S1	6	SWNW	23	3N	14E	POW	UTU013147	PRIMA EXPLORATION INCORPO
8910086770	✓430432030300S1	7	SWSE	24	3N	14E	POW	UTU013146	PRIMA EXPLORATION INCORPO
8910086770	✓430432030500S1	8	SWNW	36	3N	14E	OSI	STATE LEASE	PRIMA EXPLORATION INCORPO

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

Well name and number: Fork-A #D10  
Field or Unit name: Bridger Lake API no. 4304330001  
Well location: QQ NWSE section 14 township 3N range 14E county Summit  
Effective Date of Transfer: 12/01/93 (Operations transferred 10/01/94)

CURRENT OPERATOR

Transfer approved by:

Name Donald J. Law Company Prima Exploration, Inc.  
Signature *Donald J. Law* Address 7800 E. Union Ave. #605  
Title President Denver, CO 80237  
Date 9/28/94 Phone ( 303 ) 779-0402

Comments:

NEW OPERATOR

Transfer approved by:

Name Barry Beal Jr. Company BTA Oil Producers  
Signature *Barry Beal* Address 104 South Pecos  
Title Partner Midland, TX 79701  
Date 9/30/94 Phone ( 915 ) 682-3753

Comments:

(State use only)  
Transfer approved by *[Signature]* Title *ENX. Manager*  
Approval Date 10-27-94

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

Routing:

1- <del>WES</del> GIL
2- LWP 7-PL
3- <del>DES</del> 8-SJ
4- VLC 9-FILE
5- R.J.F.
6- LWP <i>LWP</i>

Attach all documentation received by the division regarding this change.  
 Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold)       Designation of Agent  
 Designation of Operator               Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 10-01-94 & 11-01-94/A-#5 (GIW))

TO (new operator) <b>BTA OIL PRODUCERS</b>	FROM (former operator) <b>PRIMA EXPLORATION INC</b>
(address) <b>104 S PECOS</b>	(address) <b>7800 E UNION AVE STE 605</b>
<b>MIDLAND TX 79701</b>	<b>DENVER CO 80237</b>
<b>BARRY BEAL</b>	<b>DONALD LAW</b>
phone (915) 682-3753	phone (303) 779-0402
account no. N 0310	account no. N2030

Well(s) (attach additional page if needed): **\*BRIDGER LAKE UNIT**

Name: <b>A-#3/DKTA (GIW)</b>	API: <b>43-043-20010</b>	Entity: <b>6285</b>	Sec <b>25</b>	Twps <b>3N</b>	Rng <b>14E</b>	Lease Type <b>U013145</b>
Name: <b>#D10/DKTA (WDW)</b>	API: <b>(43-043-30001)</b>	Entity: <b>6285</b>	Sec <b>14</b>	Twps <b>3N</b>	Rng <b>14E</b>	Lease Type <b>U013147</b>
Name: <b>A-#2/DKTA</b>	API: <b>43-043-20009</b>	Entity: <b>6285</b>	Sec <b>26</b>	Twps <b>3N</b>	Rng <b>14E</b>	Lease Type <b>U013147</b>
Name: <b>A-#4/DKTA</b>	API: <b>43-043-20143</b>	Entity: <b>6285</b>	Sec <b>26</b>	Twps <b>3N</b>	Rng <b>14E</b>	Lease Type <b>U013147</b>
Name: <b>A-#6/DKTA</b>	API: <b>43-043-20196</b>	Entity: <b>6285</b>	Sec <b>23</b>	Twps <b>3N</b>	Rng <b>14E</b>	Lease Type <b>U013147</b>
Name: <b>A-#7/DKTA</b>	API: <b>43-043-20303</b>	Entity: <b>6285</b>	Sec <b>24</b>	Twps <b>3N</b>	Rng <b>14E</b>	Lease Type <b>U013146</b>
Name: <b>A-STATE #8/DKTA</b>	API: <b>43-043-20305</b>	Entity: <b>6285</b>	Sec <b>36</b>	Twps <b>3N</b>	Rng <b>14E</b>	Lease Type <b>ML17185</b>
<b>A-#13/DKTA</b>	<b>43-043-30146</b>	<b>6285</b>	<b>35</b>	<b>3N</b>	<b>14E</b>	<b>U013147</b>
<b>A-#5/DKTA (GIW)</b>	<b>43-043-20186</b>	<b>6285</b>	<b>23</b>	<b>3N</b>	<b>14E</b>	<b>U013147</b>

**OPERATOR CHANGE DOCUMENTATION**

- Lec* 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 10-11-94)*
- Lec* 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Rec'd 10-11-94)*
- NA* 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_ If yes, show company file number: \_\_\_\_\_
- Lec* 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- LWP* 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *10-28-94*
- LWP* 6. Cardex file has been updated for each well listed above. *10-31-94*
- LWP* 7. Well file labels have been updated for each well listed above. *10-31-94*
- Lec* 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(10-28-94)*
- Lec* 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

Well name and number: Fork -A- #D10  
Field or Unit name: Bridger Lake API no. 43-043-30001  
Well location: QQ NWSE section 14 township 3N range 14E county Summit  
Effective Date of Transfer: 01/01/99 (Operations transferred 06/01/99)

CURRENT OPERATOR

Transfer approved by:

Name BARRY BEAL Company BTA OIL PRODUCERS  
Signature *Barry Beal* Address 104 South Pecos  
Title Partner Midland, TX 79701  
Date 05/27/99 Phone ( 915 ) 682-3753

Comments:

NEW OPERATOR

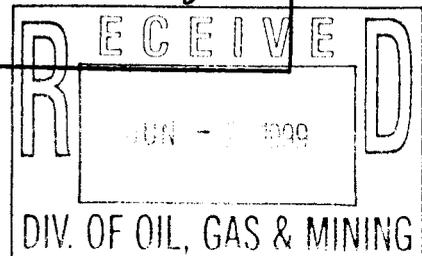
Transfer approved by:

Name Frank N. Diem Company MERIT ENERGY COMPANY  
Signature *Frank N. Diem* Address 12222 Merit Drive, Suite 1500  
Title V.P. Dallas, TX 75251  
Date 5/27/99 Phone ( 972 ) 701-8377

Comments:

(State use only)

Transfer approved by *Attent* Title *Tech. Services Manager*  
Approval Date 9-13-99



STATE OF UTAH  
DIVISION OF OIL GAS AND MINING

INJECTION WELL - PRESSURE TEST

Well Name: D-10 (10000) API Number: 43-043-30001  
 Qtr/Qtr: NWSE Section: 14 Township: 3N Range: 14E  
 Company Name: Merit Energy Co.  
 Lease: State \_\_\_\_\_ Fee \_\_\_\_\_ Federal  Indian \_\_\_\_\_  
 Inspector: Lishe Cordova Date: 7/26/2004

H.R. Turner Trucking Inc. - Derrick Hintz (37 BBLs)  
Loger water Service Inc. - (65 BBLs)

Initial Conditions:

Tubing - Rate: N/A Pressure: 0 psi  
 Casing/Tubing Annulus - Pressure: 100 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1000</u>	_____
5	<u>1000</u>	_____
10	<u>1000</u>	_____
15	<u>1000</u>	_____
20	_____	_____
25	_____	_____
30	_____	_____

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: 0 psi  
 Casing/Tubing Annulus Pressure: 275 psi

COMMENTS:

(truck queue)  
 No casing gauge on WH, 100# Csg, started to pump wtr. down backside  
 went on vacuum @ 3 bbls, pumped a total of 102 BBLs. 1000 #  
 held 15 min., passed test.

Operator Representative





UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT-" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	7. If Unit or CA, Agreement Designation  80910086770
2. Name of Operator BTA OIL PRODUCERS	8. Well Name and No. Fork A Lease
3. Address and Telephone No. 104 SOUTH PECOS, MIDLAND, TX 79701 915/682-3753	9. API Well No. See Attachment
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  Sections 14, 22, 23, 24, 25, & 35; T3N-R14E (See Attachment for details)	10. Field and Pool, or Exploratory Area Bridger Lake
	11. County or Parish, State Summit Co., UT

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

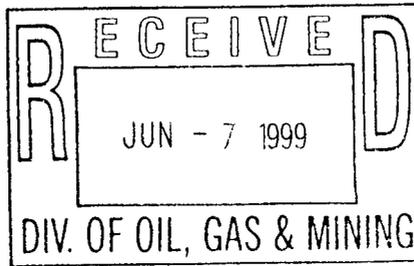
TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Change of Operator</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

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

13. 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 January 1, 1999, BTA OIL PRODUCERS has sold its interest of the referenced wells/ lease to Merit Energy Company. Operations transferred effective June 1, 1999. Bond coverage for lease activities is being provided by Merit Energy Co., under their Nationwide oil and gas Bond No. WY3011. Merit Energy Company will be responsible for compliance under the lease conditions for the portion of the lease associated with this notice.

From:  
BTA OIL PRODUCERS  
104 South Pecos  
Midland, TX 79701  
(915) 682-3753



To:  
Merit Energy Company  
12222 Merit Drive, Suite 1500  
Dallas, TX 75251  
(972) 701-8377

Signed: *Fred N. D'Arcy*  
Title: V.P.

cc: Utah Division of Oil, Gas & Mining

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

Signed: *Rodney D. [Signature]* Title: Regulatory Administrator Date: 05/27/99  
(This space for Federal or State office use)

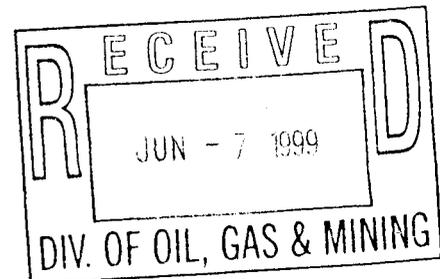
Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

## Attachment to 3160-05 – Change of Operator

Utah Account Number	N0310 (BTA)
Utah Account Number	N4900 (Merit)
Entity Number	06285-Bridger Lake Unit
Lease Name	Fork –A-
Field & Zone	Bridger Lake – Dakota
County	Summit

<u>Well Number</u>	<u>API Number</u>	<u>¼ ¼</u>	<u>Location Sec. Twnshp- Range</u>
A #3	43-043-20010	NWNW	25-3N-14E
A #4	43-043-20143	NWNW	26-3N-14E
A #5	43-043-20186	SWSE	23-3N-14E
A #6	43-043-20196	SWNW	23-3N-14E
A #7	43-043-20303	SWSE	24-3N-14E
A #D10	43-043-30001	NWSE	14-3N-14E
A #13	43-043-30146	NWNE	35-3N-14E
Red Mountain #1	43-043-30313	SWNW	22-3N-14E



**MERIT ENERGY COMPANY**

---

12222 Merit Drive, Suite 1500  
Dallas, Texas 75251  
(972) 701-8377  
(972) 960-1252 Fax

June 3, 1999

Utah Division of Oil, Gas & Mining  
P. O. Box 145801  
Salt Lake City, UT. 84114

RE: Transfer of Operations from BTA Oil  
Producers to Merit Energy Company  
Bridger Lake Unit  
Summit County, Utah

Dear Sir or Madam:

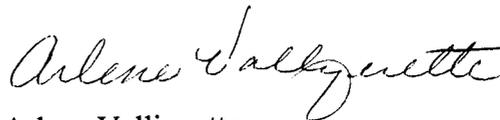
Enclosed you will find, in triplicate, a copy of BLM form 3160-5 Sundry Notice for Change of Operator covering the wells located within the above referenced unit. Merit is submitting the BLM form for the change of operator in lieu of Utah Form 9.

Also enclosed, in triplicate, is Utah Form 5 (Transfer of Authority to Inject) covering the three injection/disposal wells for the unit.

Merit Energy Company became the operator of the unit effective June 1, 1999. Should you require additional information, please advise this office or contact me at (972) 383-6558.

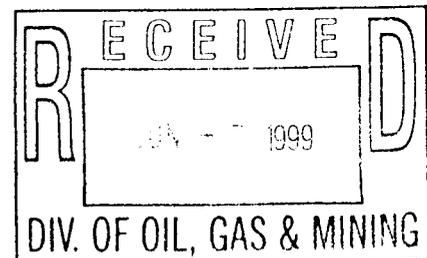
Sincerely,

MERIT ENERGY COMPANY



Arlene Valliquette  
Manager – Regulatory Affairs

Encls. (12)



TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

Well name and number: Fork -A- #D10  
Field or Unit name: Bridger Lake API no. 43-043-30001  
Well location: QQ NWSE section 14 township 3N range 14E county Summit  
Effective Date of Transfer: 01/01/99 (Operations transferred 06/01/99)

CURRENT OPERATOR

Transfer approved by:

Name BARRY BEAL Company BTA OIL PRODUCERS  
Signature *Barry Beal* Address 104 South Pecos  
Title Partner Midland, TX 79701  
Date 05/27/99 Phone ( 915 ) 682-3753

Comments:

NEW OPERATOR

Transfer approved by:

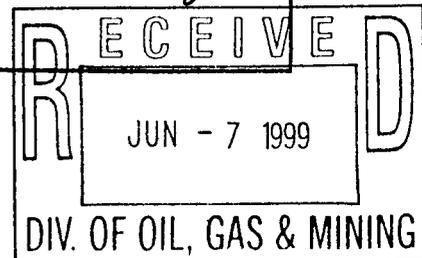
Name Fred N. Diem Company MERIT ENERGY COMPANY  
Signature *Fred N. Diem* Address 12222 Merit Drive, Suite 1500  
Title V.P. Dallas, TX 75251  
Date 5/27/99 Phone ( 972 ) 701-8377

Comments:

(State use only)

Transfer approved by *A. Hunt* Title *Tech. Services Manager*

Approval Date 9-13-99





# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155

IN REPLY REFER TO  
UT-931

June 17, 1999

Merit Energy Company  
Attn: Arlene Valliquette  
12222 Merit Drive, Suite 1500  
Dallas, Texas 75251

Re: Successor of Operator  
Bridger Lake Unit  
Summit County, Utah

Gentlemen:

On June 7, 1999, we received a sundry notice advising us that Merit Energy Company was the new operator for the Bridger Lake Unit Agreement, Summit County, Utah. We are returning the sundry notice for the change of operator unapproved.

Please use the attached forms of designation of successor unit operator. When resubmitting your application, we require four complete sets of indentures to be filed with one set containing original signatures which will be retained by this office. You may follow the self certification process outlined in the instructions for designation of successor unit operator which is enclosed for your information.

If you have any questions, please contact Teresa Thompson at (801) 539-4047.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks  
Chief, Branch of Fluid Minerals

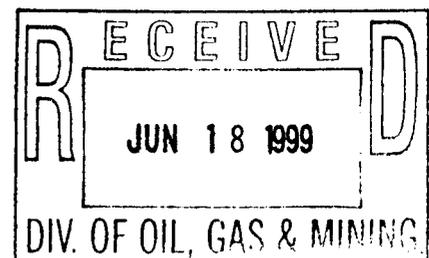
Enclosure

cc: BTA Oil Producers

bcc: File - Bridger Lake Unit  
Field Manager - Salt Lake

DOGM  
Agr. Sec. Chron.  
Fluid Chron.

U931:TATHOMPSON:tt:6/17/99





# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155

IN REPLY REFER TO  
UT-931

August 17, 1999

**COPY**

Merit Energy Company  
12222 Merit Drive, Suite 1500  
Dallas, Texas 75251

Re: Bridger Lake Unit  
Summit County, Utah

Gentlemen:

On August 16, 1999, we received an indenture dated June 1, 1999, whereby BTA Oil Producers resigned as Unit Operator and Merit Energy Company was designated as Successor Unit Operator for the Bridger Lake Unit, Summit County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective August 17, 1999. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Bridger Lake Unit Agreement.

Your nationwide (Wyoming) oil and gas bond No. 3011 will be used to cover all operations within the Bridger Lake Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

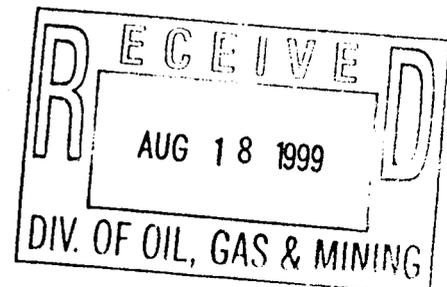
/s/ Robert A. Henricks

Robert A. Henricks  
Chief, Branch of Fluid Minerals

Enclosure

bcc: Field Manager - Salt Lake (w/enclosure)  
Division of Oil, Gas & Mining  
Minerals Adjudication Group U-932  
File - Bridger Lake Unit (w/enclosure)  
MMS - Data Management Division  
AFMSS  
Agr. Sec. Chron  
Fluid Chron

UT931:TAThompson:tt:8/17/99



Well Status Report  
Utah State Office  
Bureau of Land Management

Lease            Api Number   Well Name            QTR   Section Township Range Well Status Operator

\*\* Inspection Item: 8910086770

UTU013145	4304315763	1-A BRIDGER LAKE	NWSW	25 T 3N	R14E P+A	BTA OIL PRODUCERS
UTU013147	4304330001	10 FORK-A	NWSE	14 T 3N	R14E WDW	BTA OIL PRODUCERS
UTU013147	4304330146	13 BRIDGER LAKE	NWNE	35 T 3N	R14E POW	BTA OIL PRODUCERS
UTU013145	4304330147	14 BRIDGER LAKE	NWSE	25 T 3N	R14E P+A	BTA OIL PRODUCERS
UTU013147	4304320009	2 FORK-A	NWSE	26 T 3N	R14E ABD	BTA OIL PRODUCERS
UTU013145	4304320010	3 FORK-A	NWNW	25 T 3N	R14E GIWSI	BTA OIL PRODUCERS
UTU013147	4304320143	4 FORK-A	NWNW	26 T 3N	R14E OSI	BTA OIL PRODUCERS
UTU013147	4304320186	5 FORK-A	SWSE	23 T 3N	R14E GIWSI	BTA OIL PRODUCERS
UTU013147	4304320196	6 FORK-A	SWNW	23 T 3N	R14E POW	BTA OIL PRODUCERS
UTU013146	4304320303	7 FORK-A	SWSE	24 T 3N	R14E POW	BTA OIL PRODUCERS
STATE	4304320305	8 FORK-A	SWNW	36 T 3N	R14E ABD	BTA OIL PRODUCERS

# OPERATOR CHANGE WORKSHEET

1-KDR	6-KAS ✓
2-GLH ✓	7-SJ ✓
3-JRB ✓	8-FILE
4-CDW ✓	
5-KDR ✓	

Attach all documentation received by the division regarding this change.  
 Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold)
- Designation of Agent
- Designation of Operator
- Operator Name Change Only

The operator of the well(s) listed below has changed, effective: 1-1-99

<b>TO:</b> (new operator) <u>MERIT ENERGY COMPANY</u> (address) <u>12222 MERIT DR. STE 1500</u> <u>DALLAS, TX 75251</u> Phone: <u>(972) 701-8377</u> Account no. <u>N4900</u>	<b>FROM:</b> (old operator) (address)	<u>BTA OIL PRODUCERS</u> <u>104 SOUTH PECOS</u> <u>MIDLAND, TX 79701</u> Phone: <u>(915) 682-3753</u> Account no. <u>N0310</u>
---	--	--

WELL(S) attach additional page if needed:

**\*BRIDGER LAKE UNIT**

Name: <b>*SEE ATTACHED*</b>	API: <u>43-043-30001</u>	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

## OPERATOR CHANGE DOCUMENTATION

- DR 1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). *(rec'd 6.7.99)*
- DR 2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). *(rec'd 6.7.99)*
- HA 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is the company registered with the state? (yes/no) \_\_\_\_\_ If yes, show company file number: \_\_\_\_\_
- DR 4. **FOR INDIAN AND FEDERAL WELLS ONLY.** The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of **Federal** and **Indian** well operator changes should ordinarily take place prior to the division's approval, and before the completion of steps 5 through 9 below. *(rec'd 8.18.99)*
- DR 5. Changes have been entered in the **Oil and Gas Information System** (3270) for each well listed above. *(9.8.99)*
- DR 6. **Cardex** file has been updated for each well listed above.
- HA 7. Well file labels have been updated for each well listed above. *\*new filing system*
- DR 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. *(9.8.99)*
- DR 9. A folder has been set up for the **Operator Change file**, and a copy of this page has been placed there for reference during routing and processing of the original documents.

**ENTITY REVIEW**

- 1. (r649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no If entity assignments were changed, attach copies of Form 6, Entity Action Form.
- 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been notified through normal procedures of entity changes.

**BOND VERIFICATION - (FEE WELLS ONLY)**

- 1. (r649-3-1) The NEW operator of any fee lease well listed above has furnished a proper bond.
- 2. A copy of this form has been placed in the new and former operator's bond files.
- 3. The FORMER operator has requested a release of liability from their bond (yes/no) no, as of today's date 1/24/00. If yes, division response was made to this request by letter dated 1/24/00.

**LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY**

- 1. Copies of documents have been sent on 1/24/00 to Trust Lands at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
- 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated 1/24/00 19 00, of their responsibility to notify all interest owners of this change.

**FILMING**

- 1. All attachments to this form have been microfilmed. Today's date: 24 Jan 2000.

**FILING**

- 1. Copies of all attachments to this form have been filed in each well file.
- 2. The original of this form, and the original attachments are now being filed in the Operator Change file.

**COMMENTS**

form 5 on  
Blm denied approval - (rec'd 6/18/99)



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155



IN REPLY REFER TO  
3180  
UT-922

October 19, 2004

Whiting Oil & Gas Corporation  
Attn: Sandy Galpin  
Mile High Center  
1700 Broadway, Suite 2300  
Denver, Colorado 80290-2300

Re: Bridger Lake Unit  
Summit County, Utah

Gentlemen:

On October 14, 2004, we received an indenture dated October 1, 2004, whereby Merit Energy Company resigned as Unit Operator and Whiting Oil & Gas Corporation was designated as Successor Unit Operator for the Bridger Lake Unit, Summit County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective October 19, 2004. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Bridger Lake Unit Agreement.

Your Utah statewide oil and gas bond No. UTB000148 will be used to cover all federal operations within the Bridger Lake Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Terry Catlin

Terry Catlin  
Acting Chief, Branch of Fluid Minerals

Enclosure

bcc: Field Manager – Salt Lake (w/enclosure)  
SITLA  
Division of Oil, Gas & Mining  
Dockets  
File – Bridger Lake Unit (w/enclosure)  
Agr. Sec. Chron  
Fluid Chron  
Central Files

UT922:TAThompson:tt:10/19/04

RECEIVED

OCT 20 2004

DIV. OF OIL, GAS & MINING

**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. GLH
2. CDW
3. FILE

**X Change of Operator (Well Sold)**

Designation of Agent/Operator

Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective:		<b>7/1/2004</b>
<b>FROM:</b> (Old Operator): N4900-Merit Energy Company 13727 Noel Rd, Suite 500 Dallas, TX 75249 Phone: 1-(972) 628-1558	<b>TO:</b> ( New Operator): N2680-Whiting Oil & Gas Corporation 1700 Broadway, Suite 2300 Denver, CO 80290 Phone: 1-(303) 837-1661	

**CA No. Unit: Bridger Lake**

<b>WELL(S)</b>								
NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
A-5	23	030N	140E	4304320186	6285	Federal	GW	S
A-6	23	030N	140E	4304320196	6285	Federal	OW	S
A-7	24	030N	140E	4304320303	6285	Federal	OW	P
A-3	25	030N	140E	4304320010	6285	Federal	GI	I
A-4	26	030N	140E	4304320143	6285	Federal	OW	S
A-13	35	030N	140E	4304330146	6285	Federal	OW	P
FLASH FEDERAL 1	18	030N	150E	4304330282	10792	Federal	WD	A
D-10	14	030N	140E	4304330001	6285	Federal	WD	A

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 10/25/2004
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 10/25/2004
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 9/28/2004
- Is the new operator registered in the State of Utah: YES Business Number: 5426359-0143
- If **NO**, the operator was contacted on:
- (R649-9-2)Waste Management Plan has been received on: IN PLACE
- Inspections of LA PA state/fee well sites complete on: ordered  
10/28/04

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

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

Well Name and Number Fork -A- D10	API Number 043-30001
Location of Well Footage : _____ County : Summit	Field or Unit Name Bridger Lake
QQ, Section, Township, Range: NWSE 14 3N 14E	Lease Designation and Number U-013147
State : UTAH	

EFFECTIVE DATE OF TRANSFER: Oct 1, 2004

CURRENT OPERATOR

Company: <u>Merit Energy Company</u>	Name: <u>Arlene Valliquette</u>
Address: <u>13727 Noel Road, Suite 500</u>	Signature: <u><i>Arlene Valliquette</i></u>
city <u>Dallas</u> state <u>TX</u> zip <u>75240</u>	Title: <u>Land/Regulatory Manager, North Division</u>
Phone: <u>(972) 628-1558</u>	Date: <u>OCTOBER 20, 2004</u>
Comments:	

NEW OPERATOR

Company: <u>Whiting Oil and Gas Corporation</u>	Name: <u>James T. Brown</u>
Address: <u>1700 Broadway, Suite 2300</u>	Signature: <u><i>James T. Brown</i></u>
city <u>Denver</u> state <u>CO</u> zip <u>80290</u>	Title: <u>Vice President of Operations</u>
Phone: <u>303/837-1661</u>	Date: <u>October 20, 2004</u>
Comments:	

(This space for State use only)

Transfer approved by: *[Signature]*  
Title: Tech Services Manager

Approval Date: 10-26-04

Comments: CAUSE # WD-104

RECEIVED  
OCT 25 2004  
DIV. OF OIL, GAS & MINING

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME: <b>8910086770</b>
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>See Attached</u>	8. WELL NAME and NUMBER: <b>See Attached</b>	
2. NAME OF OPERATOR: <b>Merit Energy Company</b> <span style="float: right;"><b>N4900</b></span>	9. API NUMBER: <b>Attached</b>	
3. ADDRESS OF OPERATOR: 13727 Noel Road, Ste 500 CITY <b>Dallas</b> STATE <b>TX</b> ZIP <b>75240</b>	PHONE NUMBER: <b>(972) 628-1558</b>	10. FIELD AND POOL, OR WILDCAT: <b>Bridger Lake</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>See Attached List</b>		COUNTY: <b>Summit</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		STATE: <b>UTAH</b>

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of work completion: _____	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Merit Energy Company, effective July 1, 2004, has transferred its interest in the attached list of properties to:

Whiting Oil and Gas Corporation  
1700 Broadway, Suite 2300  
Denver, CO. 80290

Transfer of operations is effective October 1, 2004.

WHITING OIL AND GAS CORPORATION **N2680**

By: James T. Brown Date: October 20, 2004  
James T. Brown, Vice President of Operations

NAME (PLEASE PRINT) <u>Arlene Valliquette</u>	TITLE <u>Land/Regulatory Manager - North Division</u>
SIGNATURE <u>Arlene Valliquette</u>	DATE <u>OCTOBER 20, 2004</u>

(This space for State use only)

**APPROVED** 10138104

*Earlene Russell*  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

(See Instructions on Reverse Side)

**RECEIVED**  
**OCT 25 2004**  
DIV. OF OIL, GAS & MINING

**CHANGE OF OPERATOR**  
**from Merit Energy Company to Whiting Oil and Gas Corporation**  
**Bridger Lake Unit, Summit County, Utah**  
**Attachement to UOGM Form 9**

<b>Well Type</b>	<b>Lease Serial No.</b>	<b>Field Name</b>	<b>Well Name/Number</b>	<b>API Number</b>	<b>Surface Location</b>
Inj Well	U-013145	Bridger Lake	Fork A #3	43-043-20010	NWNW (627' FNL & 520' FWL) Sec 25-T3N-R14E
Oil Well	U-013147	Bridger Lake	Fork A #4	43-043-20143	NWNW (990' FNL & 1000' FWL) Sec 26-T3N-R14E
Oil Well	U-013147	Bridger Lake	Fork A #5	43-043-20186	SWSE (1120' FSL & 1530' FEL) Sec 23-T3N-R14E
Oil Well	U-013147	Bridger Lake	Fork A #6	43-043-20196	SWNW (1470' FNL & 1045' FWL) Sec 23-T3N-R14E
Oil Well	U-013146	Bridger Lake	Fork A #7	43-043-20303	SWSE (1120' FSL & 1724' FEL) Sec 24-T3N-R14E
Oil Well	U-013147	Bridger Lake	Fork A #13	43-043-30146	NWNE (50' FNL & 1443' FEL) Sec 35-T3N-R14E
Inj Well	U-27918	Bridger Lake	Flash Federal #1	43-043-30282	SESW (900' FSL & 2600' FWL) Sec 18-T3N-R15E
Inj Well	U-013147	Bridger Lake	Fork A #10	43-043-30001	NWSE (1686' FSL & 1623' FEL) Sec 14-T3N-R14E

**RECEIVED**

**OCT 28 2004**

DIV. OF OIL, GAS & MINING



JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

### Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

August 12, 2009

Pete Dellinger  
Whiting Oil & Gas Corporation  
P. O. Box 1138  
Mountain View, WY 82939

Subject: Pressure Test for Mechanical Integrity, D-10 Well, Section 14, Township 3 North, Range 14 East, API No. 43-043-30001, Summit County, Utah

Dear Mr. Dellinger:

The Underground Injection Control Program, which the Division of Oil, Gas and Mining (DOGM) administers in Utah, requires that all Class II injection wells demonstrate mechanical integrity. Rule R649-5-5.3 of the Oil and Gas Conservation General Rules requires that the casing-tubing annulus above the packer be pressure tested at a pressure equal to the maximum authorized injection pressure or 1,000 psi, whichever is lesser, provided that no test pressure is less than 300 psi. This test shall be performed at least every five-year period beginning October 1982. Please make arrangements and ready the D-10 well for testing during the week of August 24-27, 2009, as outlined below:

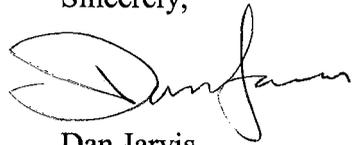
1. Operator must furnish connections, and accurate pressure gauges, hot oil truck (or other means of pressuring annulus), along with personnel to assist in opening valves, etc.
2. The casing-tubing annulus shall be filled prior to the test date to expedite testing, and the well will be required to hold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



4. Company personnel should meet a DOGM representative(s) at the field office or other location as negotiated.
5. All bradenhead valves with the exception of the tubing on the injection well must be shut-in 24 hours prior to testing.

Please contact Lisha Cordova at (801) 538-5296 to arrange a meeting time and place or to negotiate a different date, if the date(s) specified is unacceptable.

Sincerely,

A handwritten signature in black ink, appearing to read "Dan Jarvis", written over a faint, illegible background.

Dan Jarvis  
Operations Manager

DJJ/LC/js

cc: Lisha Cordova, Petroleum Specialist  
Well File

**INJECTION WELL - PRESSURE TEST**

Well Name: <u>D-10</u>	API Number: <u>43-043-30001</u>
Qtr/Qtr: <u>NWSE</u> Section: <u>14</u>	Township: <u>3N</u> Range: <u>14E</u>
Company Name: <u>Whiting Oil &amp; Gas Corp.</u>	
Lease: State _____ Fee: _____	Federal <input checked="" type="checkbox"/> (Fed. Surf.) Indian _____
Inspector: <u>Lisha Cordova &amp; M. Kimball</u>	Date: _____
<u>AB Services, Inc. (307) 273-5033</u>	

Initial Conditions:

Tubing - Rate: Not Inj. Pressure: 0 psi  
 Casing/Tubing Annulus - Pressure: 0 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1000</u>	<u>0</u>
5	<u>1000</u>	<u>0</u>
10	<u>1000</u>	<u>0</u>
15	<u>1000</u>	<u>0</u>
20	_____	_____
25	_____	_____
30	_____	_____

Results: Pass/Fail

Conditions After Test:

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

COMMENTS: \_\_\_\_\_

Pumped 10 bbls down backside prior to test.

[Signature]  
 Operator Representative

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-013147
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
		<b>7. UNIT or CA AGREEMENT NAME:</b> BRIDGER LAKE
<b>1. TYPE OF WELL</b> Water Disposal Well	<b>8. WELL NAME and NUMBER:</b> D-10	
<b>2. NAME OF OPERATOR:</b> WHITING OIL & GAS CORPORATION	<b>9. API NUMBER:</b> 43043300010000	
<b>3. ADDRESS OF OPERATOR:</b> 1700 Broadway, Suite 2300 , Denver, CO, 80290 2300	<b>PHONE NUMBER:</b> 303 390-4095 Ext	<b>9. FIELD and POOL or WILDCAT:</b> BRIDGER LAKE
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1686 FSL 1623 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSE Section: 14 Township: 03.0N Range: 14.0E Meridian: S		<b>COUNTY:</b> SUMMIT
		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 6/1/2012  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER SHUTOFF <input checked="" type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER	
	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
The well and field will be shut in for refab work after plant shutdown.		
<p><b>Accepted by the Utah Division of Oil, Gas and Mining</b></p> <p><b>FOR RECORD ONLY</b></p>		
<b>NAME (PLEASE PRINT)</b> Pauleen Tobin	<b>PHONE NUMBER</b> 303 390-4267	<b>TITLE</b> Engineer Tech
<b>SIGNATURE</b> N/A	<b>DATE</b> 12/21/2011	



**Please find attached a list of the projects that performed at Bridger Lake.**

**Bobbie Herbst** <Bobbie.Herbst@whiting.com>

Fri, Jan 24, 2014 at 11:06 AM

To: Lisha Cordova <lishacordova@utah.gov>

Cc: Scott Swain <scott.swain@whiting.com>, Jared Huckabee <jared.huckabee@whiting.com>

43 OAB 30001  
D-10  
3N 14E 14

Hi Lisha,

You and I spoke several weeks ago, and you requested a list of the various projects performed at the Bridger Lake Unit. Scott was good enough to put a list together for me and I have attached it for your files.

If you need additional information at this time, please advise us

Thank you.



**Bobbie Herbst**  
Senior Engineering Technician  
**Whiting Petroleum Corporation**  
*and its wholly owned subsidiary*  
**Whiting Oil and Gas Corporation**  
1700 Broadway, Suite 2300  
Denver, CO 80290  
Direct (303) 357-1414  
Fax (303) 357-1413  
bobbie.herbst@whiting.com  
www.whiting.com

 **BRIDGER LAKE UNIT Ltr of upgrades.docx**  
14K

## BRIDGER LAKE UNIT

### PROJECTS

#1: Removed all equipment and buildings pertaining to the BL gas production plant. Removed all old lines and Compressors that were used for Gas lift designs.

#2: Built and completed new tank battery at the Bridger lake plant area, for oil sales from BL wells.

#3: Installed remediation tank battery and dewatering system at the Bridger lake plant area

#4: Built and completed new S.W.D. transfer tank battery at the BL#5 Location. (This pumps the production water from the BL wells to the injection well located at the BL#10 Location.

#5: Built and completed new tank battery for HYD. Pump set up for the BL#7 well.

#6: Pulled out the 3.5 tbg. And gas lift system, installed new 2-7/8" tbg. With Hyd. pump cavity application for artificial lift.

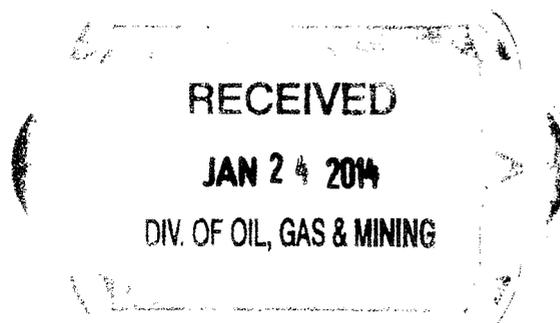
#7: Built and completed new tank battery for Hyd. Pump set up for the BL#13 well.

#8: Pulled out the 3.5 tbg. And gas lift system, installed new 2-7/8" tbg. With Hyd. pump cavity application for artificial lift.

#9: Removed all old line heaters at the following well sites, BL.#3, BL#4, BL#5, BL#6, BL#7, BL#13 Due to the date of the old equipment and no longer in service. These were used for the old gas lift designs.

#10: Removed all old lines on well heads pertaining to the old gas lift systems.

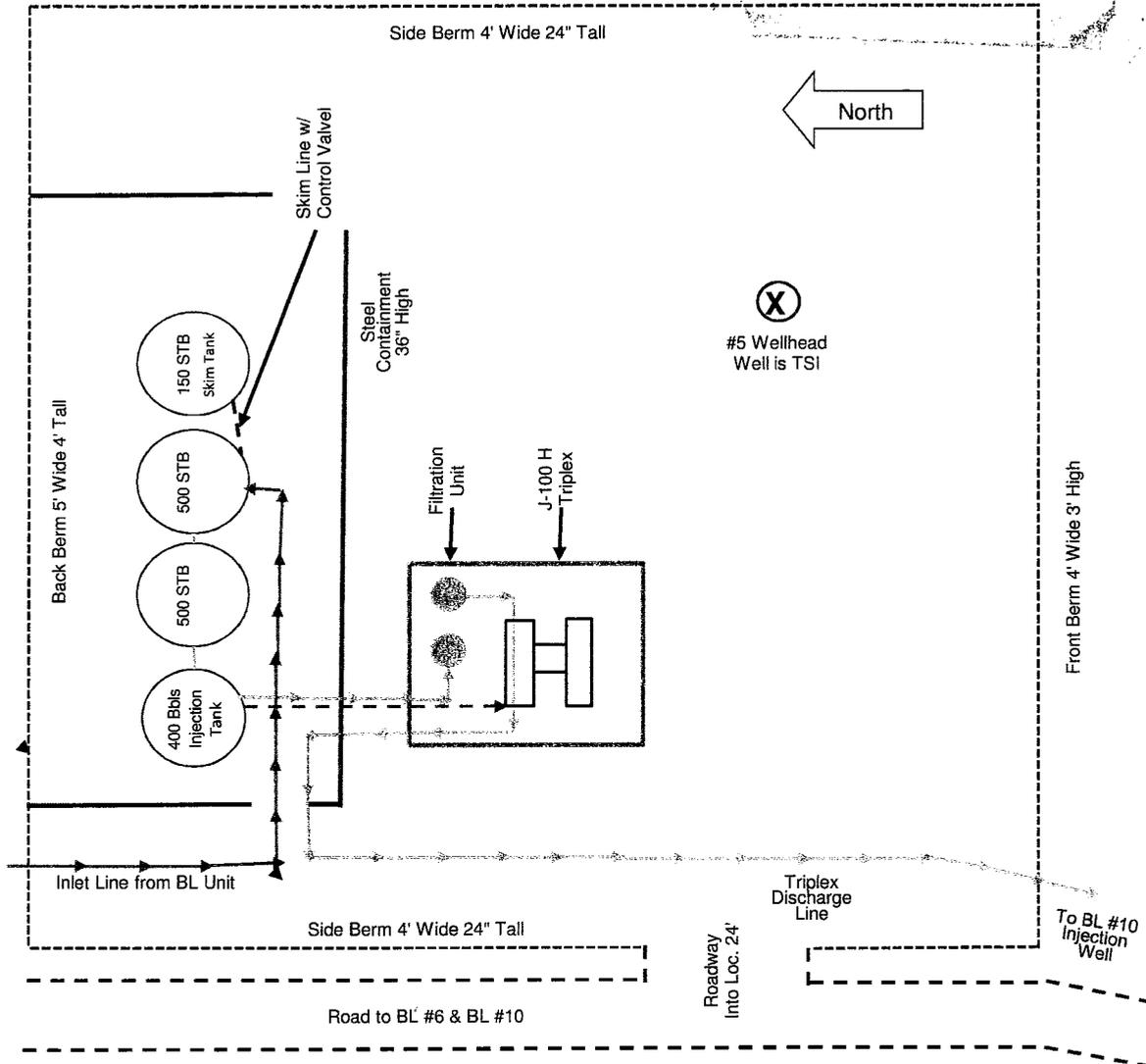
#11: Installed new tank battery at Fresh Fed. #1 (SWD).



RECEIVED

JAN 28 2014

DIV. OF OIL, GAS & MINING



POSITION OF VALVES AND USE OF SEALS DURING PRODUCTION

Valve	Line Purpose	Position	Seal Installed
D-1	Drain	Closed	Yes
S-1	Load	Closed	Yes
I-1	Inlet	Open	Yes
C-1	Recycle	Closed/Open	Yes

POSITION OF VALVES AND USE OF SEALS DURING TRUCK LOADING

Valve	Line Purpose	Position	Seal Installed
D-1	Drain	Closed	Yes
S-1	Load	Open	No
I-1	Inlet	Closed/Open	Yes
C-1	Recycle	Closed	Yes

POSITION OF VALVES AND USE OF SEALS DURING WATER DRAIN

Valve	Line Purpose	Position	Seal Installed
D-1	Drain	Open	No
S-1	Load	Closed	Yes
I-1	Inlet	Open	Yes
C-1	Recycle	Closed/Open	Yes

LEGEND  
 S-1 SALES VALVE  
 D-1 DRAIN VALVE  
 I-1 INLET VALVE  
 C-1 RECYCLE VALVE

GSM-GAS SALES METER  
 BL - BRIDGER LAKE

NOTE:  
 This lease is subject to the site security plan for Whiting Oil and Gas Corp. The plan is located at: 1700 Broadway Suite #2300 Denver, CO. 80290

WHITING OIL AND GAS CORPORATION

Bridger Lake Unit  
 Bridger Lake Fork A-5  
 Lease UT 013147  
 SW/SE, Sec. 23, Twp. 3N, Rge. 14E  
 Summit County, Utah

Well Data

WELL SEARCH

WELL DATA

WELL HISTORY

WELL ACTIVITY

LOOK UP: OPERATOR NAME / ACCOUNT

WHITING OIL & GAS COF [N2680] >>>

LOOK UP: FIELD NAME / NUMBER

[ ] [ ] >>>

SEARCH KEYS (Enter desired keys and press 'Enter' or click on 'Search')

API NUMBER 43043 WELL NAME [ ]  
 OPERATOR ACCOUNT N2680 WELL STATUS/TYPE [ ] [ ]  
 FIELD NUMBER [ ] ENTITY NUMBER [ ]  
 SECTION / TOWNSHIP / RANGE / MERIDIAN [ ] [ ] [ ] [ ]

4304320303 : A-7

5/8



SEARCH

CLEAR KEYS

PRINT ALL

EXPORT

GET ALL WELLS

API	WELL NAME	ACCOU	S	WEL	QTR	ROT	SEC	TWP	RNG	COUNTY	SURF-LOCATION	OIL-CUM	GAS-CUM	WATER	ELEVATIO	DIR	LEASE-NUM
4304320010	A-3	N2680	I	GI	NWNW	25	030N	140E	SUMMIT	0627 FNL 0520 FWL	300230	344634	7899	8952	KB		UTU-013145
4304320143	A-4	N2680	S	OW	NWNW	26	030N	140E	SUMMIT	0990 FNL 1000 FWL	419850	5563125	174725	9132	GR		UTU-013147
4304320186	FORK A-5H	N2680	S	GW	SWSE	23	030N	140E	SUMMIT	1120 FSL 1530 FEL	367886	1572130	4614	9046	GR D		UTU-013147
4304320196	A-6	N2680	S	OW	SWNW	23	030N	140E	SUMMIT	1470 FNL 1045 FWL	1312916	8165863	464186	9101	GR		UTU-013147
4304320303	A-7	N2680	P	OW	SWSE	24	030N	140E	SUMMIT	1120 FSL 1724 FEL	1363307	2190028	446746	8892	KB		UTU-013146
4304330001	D-10	N2680	A	WD	NWSE	14	030N	140E	SUMMIT	1686 FSL 1623 FEL	370884	645606	991447	9030	GR		UTU-013147
4304330146	A-13	N2680	P	OW	NWNE	35	030N	140E	SUMMIT	0050 FNL 1443 FEL	1527614	2407686	702955	9061	GR		UTU-013147
4304330282	FLASH FED 1	N2680	A	WD	SESW	18	030N	150E	SUMMIT	0900 FSL 2600 FWL	0	0	0	8733	GR D		UTU-27918

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-013147	
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	
<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>	
<b>7. UNIT or CA AGREEMENT NAME:</b> BRIDGER LAKE	
<b>8. WELL NAME and NUMBER:</b> D-10	
<b>9. API NUMBER:</b> 43043300010000	
<b>9. FIELD and POOL or WILDCAT:</b> BRIDGER LAKE	
<b>9. COUNTY:</b> SUMMIT	
<b>STATE:</b> UTAH	
<b>1. TYPE OF WELL</b> Water Disposal Well	
<b>2. NAME OF OPERATOR:</b> WHITING OIL & GAS CORPORATION	
<b>3. ADDRESS OF OPERATOR:</b> 1700 Broadway, Suite 2300 , Denver, CO, 80290 2300	
<b>PHONE NUMBER:</b> 303 390-4095 Ext	
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1686 FSL 1623 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSE Section: 14 Township: 03.0N Range: 14.0E Meridian: S	

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input checked="" type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 6/12/2014	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

6/12/14: Pumped 1500 gal 15% HCl acid plus additives. Returned well to disposal.

**Accepted by the  
 Utah Division of  
 Oil, Gas and Mining**

Date: \_\_\_\_\_  
 By: *[Signature]*

<b>NAME (PLEASE PRINT)</b> Cara Mezydlo	<b>PHONE NUMBER</b> 303 876-7091	<b>TITLE</b> Engineering Technician
<b>SIGNATURE</b> N/A		<b>DATE</b> 6/19/2014



GARY R. HERBERT  
Governor

SPENCER J. COX  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

October 23, 2014

Scott Swain  
Whiting Oil & Gas Corporation  
P. O. Box 102  
Neola, Utah 84053

Subject: Pressure Test for Mechanical Integrity, D-10, NWSE Section 14, Township 3 North, Range 14 East, API No. 43-043-30001, Summit County, Utah

Dear Mr. Swain:

The Underground Injection Control Program, which the Division of Oil, Gas, and Mining (DOGM) administers in Utah, requires that all Class II injection wells demonstrate mechanical integrity. Rule R649-5-5.3 of the Oil and Gas Conservation General rules requires that the casing-tubing annulus above the packer be pressure tested at a pressure equal to the maximum authorized injection pressure or 1,000 psi, whichever is lesser, provided that no test pressure is less than 300 psi. This test shall be performed at least every five-year period beginning October 1982. Please make arrangements and get the A-3 well ready for testing during the week of November 18-20, 2014, as outlined below:

1. Operator must furnish connections, accurate pressure gauges, hot oil truck (or other means of pressuring annulus), along with personnel to assist in opening valves, etc.
2. The casing-tubing annulus shall be filled prior to the test date to expedite testing, and the well will be required to hold pressure for a minimum of 15 minutes.
3. If mechanical difficulties or workover operations make it impossible for the well to be tested at this time the test may be rescheduled.
4. Company personnel should meet a DOGM representative(s) at the field office or other location as negotiated.
5. All bradenhead valves with the exception of the tubing on the injection well must be shut-in 24 hours prior to testing.

Please contact Lisha Cordova at (801) 538-5296 to arrange a meeting time and place or to negotiate a different date, if the date(s) specified is unacceptable.

Sincerely,

Dan Jarvis  
Operations Manager

LC/js

cc: Lisha Cordova, Env. Scientist  
Well File



Division of Oil, Gas and Mining  
Operator Change/Name Change Worksheet-for State use only

Effective Date: 11/1/2014

FORMER OPERATOR:	NEW OPERATOR:
WHITING OIL & GAS CORPORATION N2680 1700 BROADWAY SUITE 2300 DENVER CO 80290 303-837-1661	PROVEN PETROLEUM, INC. N4190 390 UNION BLVD SUITE 620 LAKEWOOD CO 80228 303-534-0199
CA Number(s):	Bridger Lake

**WELL INFORMATION:**

Well Name	Sec	TWN	RNG	API	Entity	Mineral	Surface	Type	Status
D-10	14	030N	140E	4304330001	6285	Federal	Federal	WD	A
FLASH FED 1	18	030N	150E	4304330282	10792	Federal	Federal	WD	A
A-3	25	030N	140E	4304320010	6285	Federal	Federal	GI	I
A-7	24	030N	140E	4304320303	6285	Federal	Federal	OW	P
A-13	35	030N	140E	4304330146	6285	Federal	Federal	OW	P
A-4	26	030N	140E	4304320143	6285	Federal	Federal	OW	S
FORK A-5H	23	030N	140E	4304320186	16970	Federal	Federal	GW	S
A-6	23	030N	140E	4304320196	6285	Federal	Federal	OW	S

**OPERATOR CHANGES DOCUMENTATION:**

1. Sundry or legal documentation was received from the **FORMER** operator on: 11/24/2014
2. Sundry or legal documentation was received from the **NEW** operator on: 11/24/2014
3. New operator Division of Corporations Business Number: 9175898-0143

**REVIEW:**

1. Surface Agreement Sundry from **NEW** operator on Fee Surface wells received on: N/A
2. Receipt of Acceptance of Drilling Procedures for APD/New on: N/A
3. Reports current for Production/Disposition & Sundries: 11/26/2014
4. OPS/SI/TA well(s) reviewed for full cost bonding: N/A
5. UIC5 on all disposal/injection/storage well(s) approved on: 12/12/2014
6. Surface Facility(s) included in operator change: NONE
7. Inspections of PA state/fee well sites complete on (only upon operators request): N/A

**NEW OPERATOR BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: UTB000650
2. Indian well(s) covered by Bond Number: N/A
3. State/fee well(s) covered by Bond Number(s): N/A

**DATA ENTRY:**

1. Well(s) update in the **OGIS** on: 12/15/2014
2. Entity Number(s) updated in **OGIS** on: 12/15/2014
3. Unit(s) operator number update in **OGIS** on: 12/15/2014
4. Surface Facilities update in **OGIS** on: N/A
5. State/Fee well(s) attached to bond(s) in **RBDMS** on: N/A
6. Surface Facilities update in **RBDMS** on: N/A

**LEASE INTEREST OWNER NOTIFICATION:**

1. The **NEW** operator of the Fee (Mineral) wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

**COMMENTS:**



Matt Hartford  
303 892 7212  
matt.hartford@dgsllaw.com

November 21, 2014

Via FedEx

Rachel Medina  
Department of Natural Resources  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Salt Lake City, UT 84116



Dear Rachel:

This letter is in reference to my letter sent to you dated November 6, 2014. Included in that letter was a package of documents submitted to your office for approval. Those documents designated Kings Peak Energy LLC as the successor operator, which should have named Proven Petroleum, Inc. as successor operator. Enclosed within this letter are new forms designating Proven Petroleum, Inc. as successor operator. Proven Petroleum, Inc.'s bond number is UTB000650. At this time we respectfully request that you disregard the previous designation of successor operator documents and process for approval the following documents:

1. Two (2) originals plus one (1) copy of Sundry Notices and Reports on Wells

In addition, I have also included a prepaid Federal Express envelope to assist you in returning the enclosed.

Thank you for your assistance with this matter. If you have any questions please feel free to contact me at 303-892-7212 or email [matt.hartford@dgsllaw.com](mailto:matt.hartford@dgsllaw.com)

Sincerely,

A handwritten signature in black ink, appearing to read 'M Hartford'.

Matt Hartford  
Associate  
for  
DAVIS GRAHAM & STUBBS LLP

Encl.

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>See attached Exhibit</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: <b>See attached Exhibit</b>
		7. UNIT or CA AGREEMENT NAME: <b>See attached Exhibit</b>
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>See attached exhibit</u>	8. WELL NAME and NUMBER: <b>See attached Exhibit</b>	
2. NAME OF OPERATOR: <b>Whiting Oil &amp; Gas Corporation</b>		9. API NUMBER: <b>See attach</b>
3. ADDRESS OF OPERATOR: 1700 Broadway CITY <u>Denver</u> STATE <u>CO</u> ZIP <u>80290</u>	PHONE NUMBER: <u>(303) 837-1661</u>	10. FIELD AND POOL, OR WILDCAT: <b>See attached Exhibit</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>See attached Exhibit for all wells and details</b>		COUNTY:
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		STATE: <b>UTAH</b>

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: <u>11/1/2014</u>	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
Effective November 1, 2014, Whiting Oil & Gas Corporation resigned as Operator of the wells listed on the attached Exhibit, and Proven Petroleum, Inc. has been designated as successor Operator.

Proven Petroleum, Inc. 4190  
390 Union Boulevard, Suite 620  
Lakewood, CO 80228  
Phone: (303) 534-0199

Whiting Oil & Gas Corporation N 2680  
1700 Broadway, Suite 2300  
Denver, CO 80290  
Phone: (303) 837-1661

John Teff - President  
Brandon Standiford, Secretary  
BLM Bond: UTB000650

RECEIVED  
NOV 24 2014

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) <u>David M. Seery</u>	TITLE <u>Vice President - Land</u>
SIGNATURE <u>[Signature]</u>	DATE <u>11/21/2014</u>

(This space for State use only)

**APPROVED**

DEC 15 2014

DIV. OIL GAS & MINING  
BY: Rachel Medina

**EXHIBIT B  
WELLS AND UNITS/WI/NRI**

**Well Exhibit for DOGM (Utah State)**

LEASE/UNIT	Lease #	Case #	API #	Active	Inactive	P&A'D	SWD	FIELD	COUNTY	STATE	RESERVOIR	LOCATION: SEC - TWP - RNG
<b>BRIDGER LAKE FEDERAL UNIT</b>												
B L FORK A-3	UTU013145	UTU630460	4304320010		1			BRIDGER LAKE	SUMMIT	UT	DAKOTA	25-3N-14E
B L FORK A-4	UTU013147	UTU630460	4304320143		1			BRIDGER LAKE	SUMMIT	UT	DAKOTA	26-3N-14E
B L FORK A-5H	UTU013147	UTU630460	4304320186		1			BRIDGER LAKE	SUMMIT	UT	FRONTIER HZ	23-3N-14E
B L FORK A-6	UTU013147	UTU630460	4304320196		1			BRIDGER LAKE	SUMMIT	UT	DAKOTA	23-3N-14E
B L FORK A-7	UTU013146	UTU630460	4304320303	1				BRIDGER LAKE	SUMMIT	UT	DAKOTA	24-3N-14E
B L FORK A-13	UTU013147	UTU630460	4304330146	1				BRIDGER LAKE	SUMMIT	UT	DAKOTA	35-3N-14E
BRIDGER LAKE D-10 SWD	UTU013147	UTU630460	4304330001				1	BRIDGER LAKE	SUMMIT	UT	DAKOTA	14-3N-14E
				2	4	0	1					
<b>FLASH FEDERAL 1 SWD</b>												
FLASH FEDERAL 1 SWD	UTU27918	UTU27918	4304330282				1	BRIDGER LAKE	SUMMIT	UT	Dakota SWD	18-03N-15E
				2	4	0	2					

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

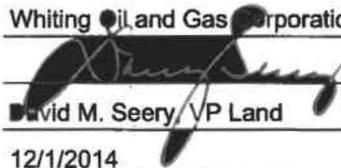
UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

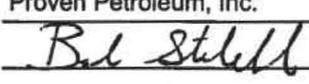
Well Name and Number Bridger Lake A-3	API Number 4304320010
Location of Well Footage : 327 FNL 520 FWL County : Summit	Field or Unit Name Bridger Lake
QQ, Section, Township, Range: NWNW 25 3N 14E State : UTAH	Lease Designation and Number UTU0130145

EFFECTIVE DATE OF TRANSFER: 11/1/2014

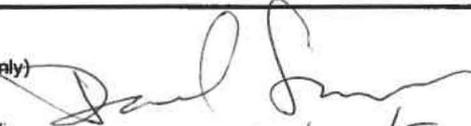
CURRENT OPERATOR

Company: Whiting Oil and Gas Corporation Name: Whiting Oil and Gas Corporation  
Address: 1700 Broadway, Suite 2300 Signature:   
city Denver state CO zip 80290 Title: David M. Seery VP Land  
Phone: (303) 837-1661 Date: 12/1/2014  
Comments:

NEW OPERATOR

Company: Proven Petroleum, Inc. Name: Proven Petroleum, Inc.  
Address: 390 Union Boulevard, Suite 620 Signature:   
city Lakewood state CO zip 80228 Title: Corporate Secretary  
Phone: (303) 534-0199 Date: 12/3/14  
Comments:

(This space for State use only)

Transfer approved by:   
Title: VIC Geologist

Approval Date: 12/12/14

Comments:

RECEIVED  
DEC 10 2014  
Div. of Oil, Gas & Mining

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

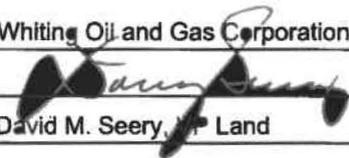
UIC FORM 5

**TRANSFER OF AUTHORITY TO INJECT**

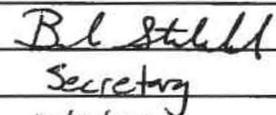
Well Name and Number Flash Federal SWD 1	API Number 4304330282
Location of Well Footage : 900' FSL & 2600' FWL County : Summit QQ, Section, Township, Range: NESW 18 3N 15E State : UTAH	Field or Unit Name Bridger Lake Lease Designation and Number UTU27918

EFFECTIVE DATE OF TRANSFER: 11/1/2014

**CURRENT OPERATOR**

Company: <u>Whiting Oil and Gas Corporation</u>	Name: <u>Whiting Oil and Gas Corporation</u>
Address: <u>1700 Broadway, Suite 2300</u>	Signature: 
city <u>Denver</u> state <u>CO</u> zip <u>80290</u>	Title: <u>David M. Seery, Jr. Land</u>
Phone: <u>(303) 837-1661</u>	Date: <u>12/1/2014</u>
Comments:	

**NEW OPERATOR**

Company: <u>Proven Petroleum, Inc.</u>	Name: <u>Proven Petroleum, Inc</u>
Address: <u>390 Union Boulevard, Suite 620</u>	Signature: 
city <u>Lakewood</u> state <u>CO</u> zip <u>80228</u>	Title: <u>Secretary</u>
Phone: <u>(303) 534-0199</u>	Date: <u>12/3/14</u>
Comments:	

(This space for State use only)

Transfer approved by:   
 Title: VIC Geologist

Approval Date: 12/12/14

Comments:

RECEIVED  
 DEC 10 2014  
 Div. of Oil, Gas & Mining

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

UIC FORM 5

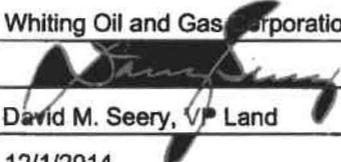
**TRANSFER OF AUTHORITY TO INJECT**

Well Name and Number Bridger Lake D-10	API Number 4304330001
Location of Well Footage : 1623' FEL & 1686' FSL County : Summit	Field or Unit Name Bridger Lake
QQ, Section, Township, Range: NWSE 14 3N 14E State : UTAH	Lease Designation and Number Utah 013147

EFFECTIVE DATE OF TRANSFER: 11/1/2014

**CURRENT OPERATOR**

Company: Whiting Oil and Gas Corporation  
 Address: 1700 Broadway, Suite 2300  
city Denver state CO zip 80290  
 Phone: (303) 837-1661  
 Comments:

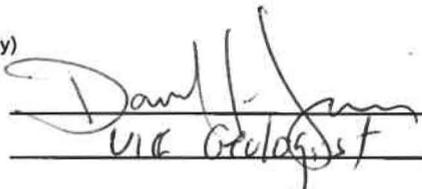
Name: Whiting Oil and Gas Corporation  
 Signature:   
 Title: David M. Seery, VP Land  
 Date: 12/1/2014

**NEW OPERATOR**

Company: Proven Petroleum, Inc.  
 Address: 390 Union Boulevard, Suite 620  
city Lakewood state CO zip 80228  
 Phone: (303) 534-0199  
 Comments:

Name: Proven Petroleum, Inc.  
 Signature:   
 Title: Corporate Secretary  
 Date: 12/3/14

(This space for State use only)

Transfer approved by:   
 Title: VIC Geologist

Approval Date: 12/12/14

Comments:

RECEIVED

DEC 10 2014

Div. of Oil, Gas & Mining

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-013147
<b>1. TYPE OF WELL</b> Water Disposal Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> PROVEN PETROLEUM, INC.		<b>7. UNIT or CA AGREEMENT NAME:</b> BRIDGER LAKE
<b>3. ADDRESS OF OPERATOR:</b> 390 Union Blvd Suite 620 , Lakewood, CO, 80228		<b>8. WELL NAME and NUMBER:</b> D-10
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1686 FSL 1623 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSE Section: 14 Township: 03.0N Range: 14.0E Meridian: S		<b>9. API NUMBER:</b> 43043300010000
<b>PHONE NUMBER:</b> 303 534-0199 Ext		<b>9. FIELD and POOL or WILDCAT:</b> BRIDGER LAKE
<b>COUNTY:</b> SUMMIT		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input checked="" type="checkbox"/> OTHER	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/19/2014	<input type="checkbox"/> OTHER: <input style="width: 50px;" type="text" value="MIT"/>	
<input type="checkbox"/> SPUD REPORT Date of Spud:		
<input type="checkbox"/> DRILLING REPORT Report Date:		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p style="text-align: center;"><b>Accepted by the Utah Division of Oil, Gas and Mining</b></p> <p style="text-align: right;">Date: <u>January 06, 2015</u></p> <p style="text-align: right;">By: <u></u></p>		
<b>NAME (PLEASE PRINT)</b> Adam Gallegos	<b>PHONE NUMBER</b> 303 534-0199	<b>TITLE</b> Production Accountant
<b>SIGNATURE</b> N/A	<b>DATE</b> 12/18/2014	



## INSTRUCTIONS

**This form shall be submitted by the operator to show the intention and/or completion of the following:**

- miscellaneous work projects and actions for which other specific report forms do not exist;
- all other work and events as identified in section 11, Type of Action, or as required by the Utah Oil and Gas Conservation General Rules, including:
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  - plugging back a well,
  - recompleting to a different producing formation within an existing well bore (intent only),
  - re-perforating the current producing formation,
  - drilling a sidetrack to repair a well,
  - reporting monthly the status of each drilling well.

**This form is not to be used for proposals to**

- drill new wells,
- reenter previously plugged and abandoned wells,
- significantly deepen existing wells below their current bottom-hole depth,
- drill horizontal laterals from an existing well bore,
- drill hydrocarbon exploratory holes such as core samples and stratigraphic tests.

**Use Form 3, Application for Permit to Drill (APD) for such proposals.**

**NOTICE OF INTENT** - A notice of intention to do work on a well or to change plans previously approved shall be submitted in duplicate and must be received and approved by the division before the work is commenced. The operator is responsible for receipt of the notice by the division in ample time for proper consideration and action. In cases of emergency, the operator may obtain verbal approval to commence work. Within five days after receiving verbal approval, the operator shall submit a Sundry Notice describing the work and acknowledging the verbal approval.

**SUBSEQUENT REPORT** - A subsequent report shall be submitted to the division within 30 days of the completion of the outlined work. Specific details of the work performed should be provided, including dates, well depths, placement of plugs, etc.

**WELL ABANDONMENT** - Proposals to abandon a well and subsequent reports of abandonment should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, and method of parting of any casing, liner, or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

In addition to any Sundry Notice forms submitted, **Form 8, Well Completion or Recompletion Report and Log** must be submitted to the division to report the results of the following operations:

- completing or plugging a new well,
- reentering a previously plugged and abandoned well,
- significantly deepening an existing well bore below the current bottom-hole depth,
- drilling horizontal laterals from an existing well bore,
- drilling hydrocarbon exploratory holes such as core samples and stratigraphic tests,
- recompleting to a different producing formation.

Send to:

Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

Company Name: WHITING OIL AND GAS CORP.  
Run Depth: 1Location: Bridger Lake #10  
Serial#: 19923

Real Time	Delta Time	Sample#	Pres. (psig)	Temp. (°F)
11/19/2014 12:35:00	0.000000	1	-2.416	62.992
11/19/2014 12:35:05	0.001389	2	-2.380	62.942
11/19/2014 12:35:10	0.002778	3	-2.366	62.895
11/19/2014 12:35:15	0.004167	4	-2.355	62.837
11/19/2014 12:35:20	0.005556	5	-2.332	62.793
11/19/2014 12:35:25	0.006944	6	-2.325	62.737
11/19/2014 12:35:30	0.008333	7	-2.315	62.672
11/19/2014 12:35:35	0.009722	8	-2.257	62.649
11/19/2014 12:35:40	0.011111	9	-2.266	62.728
11/19/2014 12:35:45	0.012500	10	-2.265	62.743
11/19/2014 12:35:50	0.013889	11	-2.179	62.000
11/19/2014 12:35:55	0.015278	12	-2.040	60.644
11/19/2014 12:36:00	0.016667	13	-1.966	59.280
11/19/2014 12:37:00	0.033333	14	-1.929	52.244
11/19/2014 12:38:00	0.050000	15	-2.232	50.757
11/19/2014 12:39:00	0.066667	16	-2.402	50.110
11/19/2014 12:40:00	0.083333	17	-2.357	49.615
11/19/2014 12:41:00	0.100000	18	-2.260	49.216
11/19/2014 12:42:00	0.116667	19	-2.108	48.490
11/19/2014 12:43:00	0.133333	20	19.247	48.546
11/19/2014 12:44:00	0.150000	21	112.572	49.665
11/19/2014 12:45:00	0.166667	22	342.583	49.729
11/19/2014 12:46:00	0.183333	23	567.193	49.703
11/19/2014 12:47:00	0.200000	24	793.813	49.692
11/19/2014 12:48:00	0.216667	25	1014.601	49.709
11/19/2014 12:49:00	0.233333	26	1020.335	49.703
11/19/2014 12:50:00	0.250000	27	1017.156	49.715
11/19/2014 12:51:00	0.266667	28	1015.298	49.730
11/19/2014 12:52:00	0.283333	29	1014.089	49.744
11/19/2014 12:53:00	0.300000	30	1013.448	49.755
11/19/2014 12:54:00	0.316667	31	1012.865	49.784
11/19/2014 12:55:00	0.333333	32	1012.372	49.803
11/19/2014 12:56:00	0.350000	33	1011.880	49.830
11/19/2014 12:57:00	0.366667	34	1011.475	49.862
11/19/2014 12:58:00	0.383333	35	1011.108	49.897
11/19/2014 12:59:00	0.400000	36	1010.748	49.932
11/19/2014 13:00:00	0.416667	37	1010.371	49.960
11/19/2014 13:01:00	0.433333	38	1010.062	50.000
11/19/2014 13:02:00	0.450000	39	1009.733	50.035
11/19/2014 13:03:00	0.466667	40	1009.520	50.078
11/19/2014 13:04:00	0.483333	41	1009.202	50.115
11/19/2014 13:05:00	0.500000	42	1008.955	50.159
11/19/2014 13:06:00	0.516667	43	1008.633	50.199
11/19/2014 13:07:00	0.533333	44	1008.346	50.235
11/19/2014 13:08:00	0.550000	45	1007.958	50.269
11/19/2014 13:09:00	0.566667	46	1007.684	50.306
11/19/2014 13:10:00	0.583333	47	1007.448	50.336
11/19/2014 13:11:00	0.600000	48	633.985	50.335
11/19/2014 13:12:00	0.616667	49	-2.576	50.190
11/19/2014 13:13:00	0.633333	50	-2.577	50.174
11/19/2014 13:14:00	0.650000	51	-2.585	50.230



Sundry Number: 59171 API Well Number: 43043300010000

### PRESSURE AND TEMPERATURE VS DELTA TIME

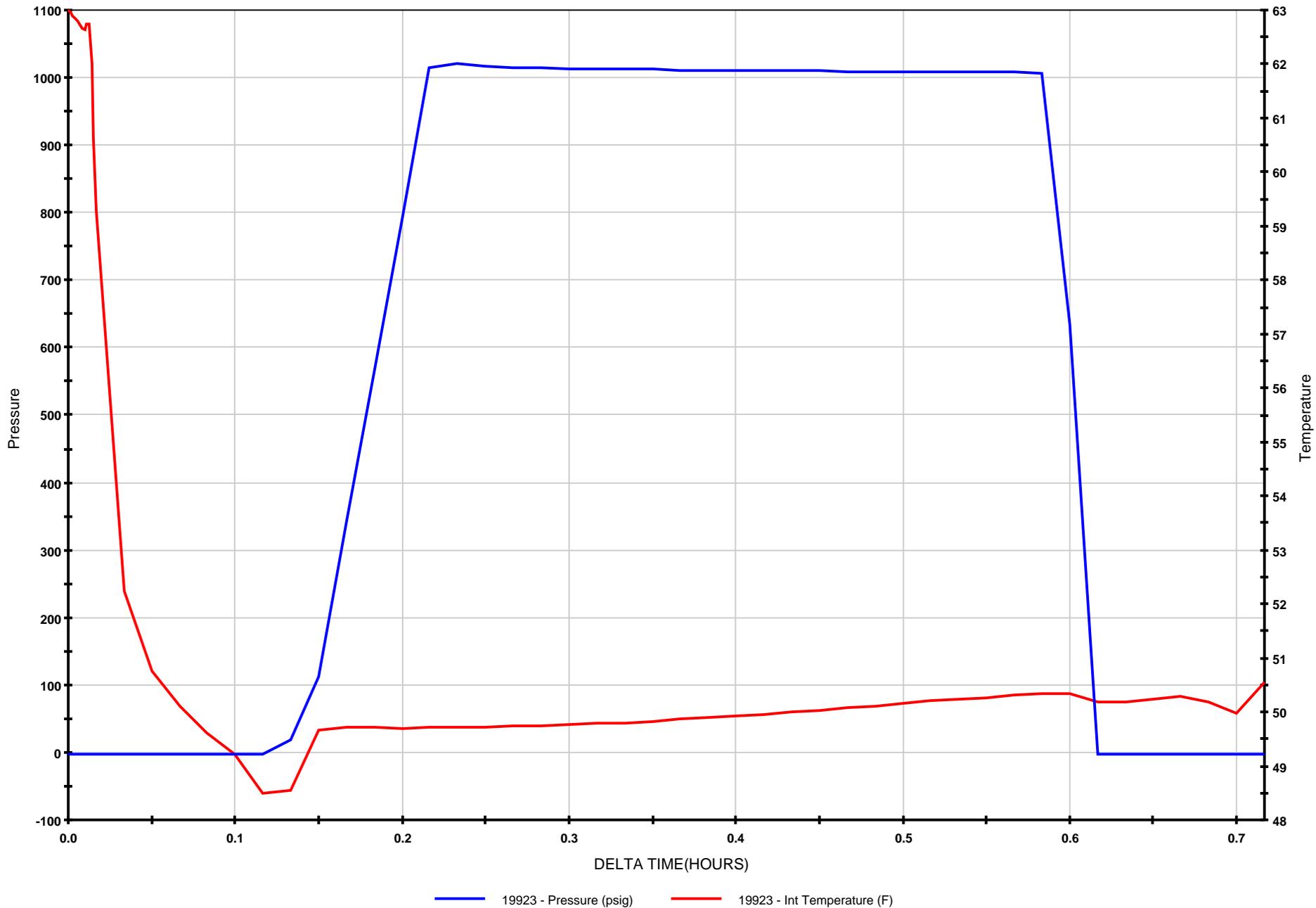
Company: Whiting Oil and Gas Corp.

Location: Bridger Lake #10

Date: November 19, 2014

Serial# 19923

Maximum values: 19923 - Pressure 1020.335 psig at 0.23 hrs 19923 - Int Temperature 62.992 F at 0.00 hrs



**INJECTION WELL - PRESSURE TEST**

Well Name: D-10 API Number: 43-043-30001  
 Qtr/Qtr: NWSE Section: 14 Township: 3N Range: 14E  
 Company Name: Whiting / Proven Petro. Inc. (eff. 11/3/14) Grady Camper  
 Lease: State \_\_\_\_\_ Fee \_\_\_\_\_ Federal \_\_\_\_\_ Indian \_\_\_\_\_  
 Inspector: Lishe Cordova Date: 11/19/14  
ABS Services Inc.

Initial Conditions:

Tubing - Rate: N/Inj. Pressure: 725 psi  
 Casing/Tubing Annulus - Pressure: 0 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0 Press. Up. 12:00	<u>1000</u>	_____
5	<u>1000</u>	_____
10	<u>1000</u>	_____
15	<u>1000</u>	_____
20	_____	_____
25	_____	_____
30	_____	_____

Results Pass/Fail

Conditions After Test:

Tubing Pressure: 710 psi  
 Casing/Tubing Annulus Pressure: 0 psi

COMMENTS: Temp. pressure logging recorder (ABS), copy of graph will be subm. to DOGm by operator (Proven Petro)

Grady O. Camper 11-19-14  
 Operator Representative

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-013147
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b> BRIDGER LAKE
<b>1. TYPE OF WELL</b> Water Disposal Well	<b>8. WELL NAME and NUMBER:</b> D-10
<b>2. NAME OF OPERATOR:</b> PROVEN PETROLEUM, INC.	<b>9. API NUMBER:</b> 43043300010000
<b>3. ADDRESS OF OPERATOR:</b> 390 Union Blvd Suite 620 , Lakewood, CO, 80228	<b>PHONE NUMBER:</b> 303 534-0199 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1686 FSL 1623 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSE Section: 14 Township: 03.0N Range: 14.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> BRIDGER LAKE  <b>COUNTY:</b> SUMMIT  <b>STATE:</b> UTAH

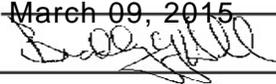
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input checked="" type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 12/4/2014	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining**

Date: March 09, 2015

By: 

<b>NAME (PLEASE PRINT)</b> Adam Gallegos	<b>PHONE NUMBER</b> 303 534-0199	<b>TITLE</b> Production Accountant
<b>SIGNATURE</b> N/A	<b>DATE</b> 12/18/2014	



## INSTRUCTIONS

**This form shall be submitted by the operator to show the intention and/or completion of the following:**

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**WELL ABANDONMENT** - Proposals to abandon a well and subsequent reports of abandonment should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, and method of parting of any casing, liner, or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

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- significantly deepening an existing well bore below the current bottom-hole depth,
- drilling horizontal laterals from an existing well bore,
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- recompleting to a different producing formation.

Send to:

Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-013147	
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>	
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<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>	
<b>7. UNIT or CA AGREEMENT NAME:</b> BRIDGER LAKE	
<b>8. WELL NAME and NUMBER:</b> D-10	
<b>9. API NUMBER:</b> 43043300010000	
<b>9. FIELD and POOL or WILDCAT:</b> BRIDGER LAKE	
<b>9. COUNTY:</b> SUMMIT	
<b>STATE:</b> UTAH	
<b>1. TYPE OF WELL</b> Water Disposal Well	
<b>2. NAME OF OPERATOR:</b> PROVEN PETROLEUM, INC.	
<b>3. ADDRESS OF OPERATOR:</b> 390 Union Blvd Suite 620 , Lakewood, CO, 80228	
<b>PHONE NUMBER:</b> 303 534-0199 Ext	
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11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 5/18/2015	<input checked="" type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

This will be a routine maintenance for this well. 1. Shut well in for sufficient time to allow WHP to drop enough for the job to be pumped without exceeding the MAIP of 3000 psig. 2. Using Chemical pump the following: a. 1000 gal Zylene b. 1000 gal produced water c. 1000 gal of 15% HCl acid containing iron control, scale inhibitor & mutual solvent. Since this is a bullhead job, no H2S scavenger is needed. d. 1000 gal produced water. e. 500 gal produced water mixed with 250 gal of bleach. 3. Flush job with 135 bbl of disposal water & shut down. 4. Let acid soak for 2 hours & return well to normal disposal operations.

**Approved by the**  
**May 26, 2015 of**  
**Oil, Gas and Mining**

Date: \_\_\_\_\_  
 By:       D. K. Quist      

<b>NAME (PLEASE PRINT)</b> Adam Gallegos	<b>PHONE NUMBER</b> 303 534-0199	<b>TITLE</b> Production Accountant
<b>SIGNATURE</b> N/A	<b>DATE</b> 5/14/2015	



## INSTRUCTIONS

**This form shall be submitted by the operator to show the intention and/or completion of the following:**

- miscellaneous work projects and actions for which other specific report forms do not exist;
- all other work and events as identified in section 11, Type of Action, or as required by the Utah Oil and Gas Conservation General Rules, including:
  - minor deepening of an existing well bore,
  - plugging back a well,
  - recompleting to a different producing formation within an existing well bore (intent only),
  - re-perforating the current producing formation,
  - drilling a sidetrack to repair a well,
  - reporting monthly the status of each drilling well.

**This form is not to be used for proposals to**

- drill new wells,
- reenter previously plugged and abandoned wells,
- significantly deepen existing wells below their current bottom-hole depth,
- drill horizontal laterals from an existing well bore,
- drill hydrocarbon exploratory holes such as core samples and stratigraphic tests.

**Use Form 3, Application for Permit to Drill (APD) for such proposals.**

**NOTICE OF INTENT** - A notice of intention to do work on a well or to change plans previously approved shall be submitted in duplicate and must be received and approved by the division before the work is commenced. The operator is responsible for receipt of the notice by the division in ample time for proper consideration and action. In cases of emergency, the operator may obtain verbal approval to commence work. Within five days after receiving verbal approval, the operator shall submit a Sundry Notice describing the work and acknowledging the verbal approval.

**SUBSEQUENT REPORT** - A subsequent report shall be submitted to the division within 30 days of the completion of the outlined work. Specific details of the work performed should be provided, including dates, well depths, placement of plugs, etc.

**WELL ABANDONMENT** - Proposals to abandon a well and subsequent reports of abandonment should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, and method of parting of any casing, liner, or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

In addition to any Sundry Notice forms submitted, **Form 8, Well Completion or Recompletion Report and Log** must be submitted to the division to report the results of the following operations:

- completing or plugging a new well,
- reentering a previously plugged and abandoned well,
- significantly deepening an existing well bore below the current bottom-hole depth,
- drilling horizontal laterals from an existing well bore,
- drilling hydrocarbon exploratory holes such as core samples and stratigraphic tests,
- recompleting to a different producing formation.

Send to:

Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9  5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-013147
---	---

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  7. UNIT or CA AGREEMENT NAME: BRIDGER LAKE
--	--

1. TYPE OF WELL Water Disposal Well	8. WELL NAME and NUMBER: D-10
--	----------------------------------

2. NAME OF OPERATOR: PROVEN PETROLEUM, INC.	9. API NUMBER: 43043300010000
--	----------------------------------

3. ADDRESS OF OPERATOR: 390 Union Blvd Suite 620 , Lakewood, CO, 80228	PHONE NUMBER: 303 534-0199 Ext	9. FIELD and POOL or WILDCAT: BRIDGER LAKE
---	-----------------------------------	---

4. LOCATION OF WELL FOOTAGES AT SURFACE: 1686 FSL 1623 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSE Section: 14 Township: 03.0N Range: 14.0E Meridian: S	COUNTY: SUMMIT  STATE: UTAH
--	---

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 6/4/2015  <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input checked="" type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

replace tubing

**Accepted by the  
Utah Division of  
Oil, Gas and Mining**

Date: June 04, 2015

By: *Derek Duff*

NAME (PLEASE PRINT) Adam Gallegos	PHONE NUMBER 303 534-0199	TITLE Production Accountant
SIGNATURE N/A	DATE 6/2/2015	



## INSTRUCTIONS

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  - recompleting to a different producing formation within an existing well bore (intent only),
  - re-perforating the current producing formation,
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**WELL ABANDONMENT** - Proposals to abandon a well and subsequent reports of abandonment should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, and method of parting of any casing, liner, or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

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- recompleting to a different producing formation.

Send to:

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Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-013147
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>7. UNIT or CA AGREEMENT NAME:</b> BRIDGER LAKE
<b>1. TYPE OF WELL</b> Water Disposal Well		<b>8. WELL NAME and NUMBER:</b> D-10
<b>2. NAME OF OPERATOR:</b> PROVEN PETROLEUM, INC.		<b>9. API NUMBER:</b> 43043300010000
<b>3. ADDRESS OF OPERATOR:</b> 390 Union Blvd Suite 620 , Lakewood, CO, 80228	<b>PHONE NUMBER:</b> 303 534-0199 Ext	<b>9. FIELD and POOL or WILDCAT:</b> BRIDGER LAKE
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1686 FSL 1623 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSE Section: 14 Township: 03.0N Range: 14.0E Meridian: S		<b>COUNTY:</b> SUMMIT
		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 6/15/2015  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input checked="" type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER	
	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
Rigged up and tripped out tubing, packer and assembly. Hydro test to 6k psi; Tubbing and 7 5/8 7K Arrowset packer set @ 15215': MIT witnessed and OK by Ammon McDonald on 6/15/2015; Well back online		
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY July 07, 2015</b>		
<b>NAME (PLEASE PRINT)</b> Adam Gallegos	<b>PHONE NUMBER</b> 303 534-0199	<b>TITLE</b> Production Accountant
<b>SIGNATURE</b> N/A		<b>DATE</b> 6/30/2015



## INSTRUCTIONS

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- significantly deepening an existing well bore below the current bottom-hole depth,
- drilling horizontal laterals from an existing well bore,
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- recompleting to a different producing formation.

Send to:

Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

**INJECTION WELL - PRESSURE TEST**

Well Name: D-10 API Number: 43-043-30001  
 Qtr/Qtr: NWSE Section: 14 Township: 3N Range: 14SE  
 Company Name: Proven Petroleum  
 Lease: State \_\_\_\_\_ Fee \_\_\_\_\_ Federal \_\_\_\_\_ Indian \_\_\_\_\_  
 Inspector: A. McDonald Date: 6-15-2015

Initial Conditions:

Tubing - Rate: \_\_\_\_\_ Pressure: \_\_\_\_\_ psi  
 Casing/Tubing Annulus - Pressure: Ø psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
1540 0	<u>1019</u>	35 <u>917</u>
5	<u>1019</u>	40 <u>955</u>
10	<u>999</u>	45 <u>957</u>
15	<u>957</u>	50 <u>956</u>
20	<u>1010</u>	55 <u>966</u>
25	<u>990</u>	60 <u>955</u>
30	<u>927</u>	65 <u>962</u>

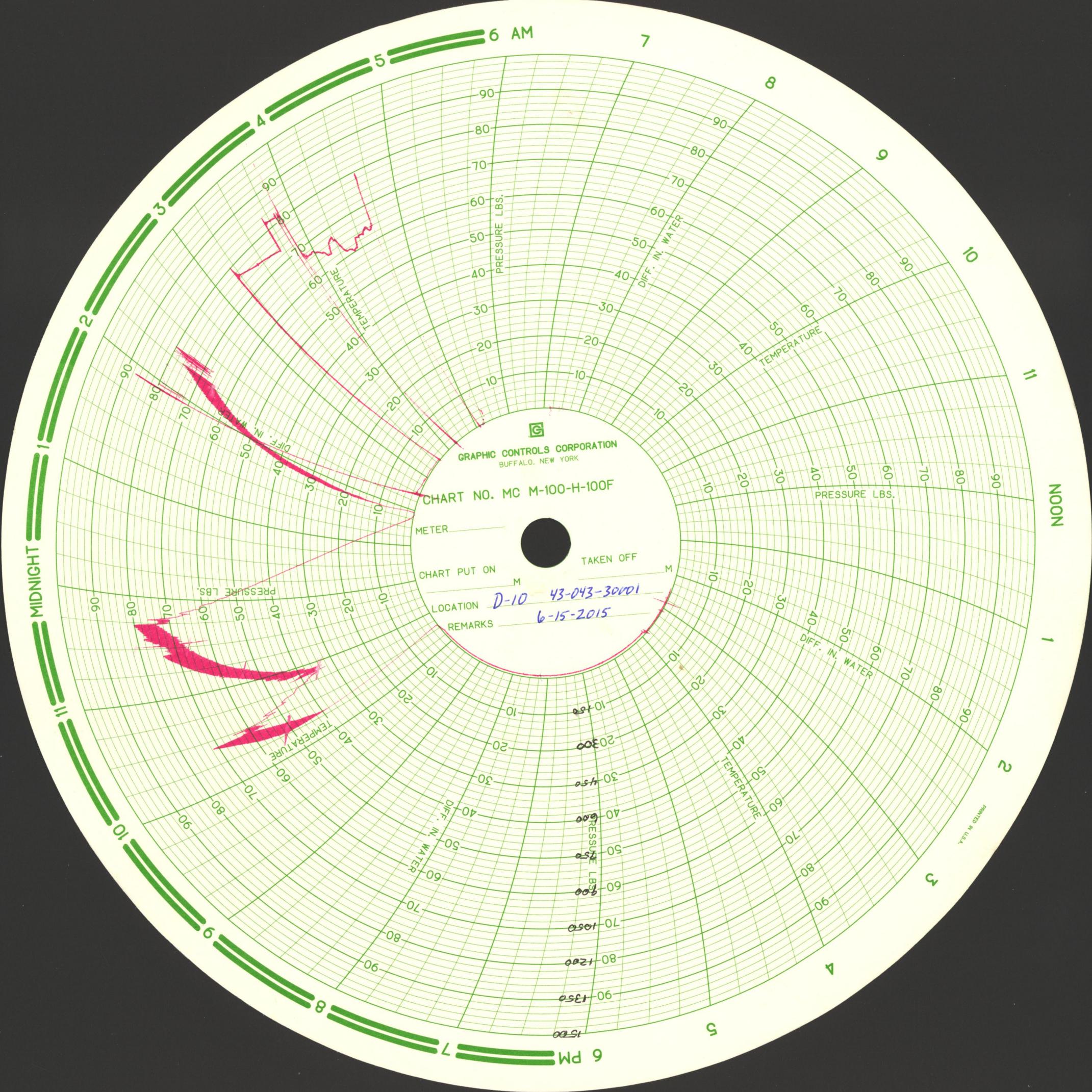
Results: Pass/Fail

Conditions After Test:

Tubing Pressure: \_\_\_\_\_ psi  
 Casing/Tubing Annulus Pressure: Ø psi

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Operator Representative \_\_\_\_\_



GRAPHIC CONTROLS CORPORATION  
BUFFALO, NEW YORK

CHART NO. MC M-100-H-100F

METER

CHART PUT ON

TAKEN OFF

LOCATION

D-10 43-043-30001

REMARKS

6-15-2015

PRINTED IN U.S.A.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-013147
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>7. UNIT or CA AGREEMENT NAME:</b> BRIDGER LAKE
<b>1. TYPE OF WELL</b> Water Disposal Well		<b>8. WELL NAME and NUMBER:</b> D-10
<b>2. NAME OF OPERATOR:</b> PROVEN PETROLEUM, INC.		<b>9. API NUMBER:</b> 43043300010000
<b>3. ADDRESS OF OPERATOR:</b> 390 Union Blvd Suite 620 , Lakewood, CO, 80228		<b>9. FIELD and POOL or WILDCAT:</b> BRIDGER LAKE
<b>PHONE NUMBER:</b> 303 534-0199 Ext		<b>COUNTY:</b> SUMMIT
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1686 FSL 1623 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSE Section: 14 Township: 03.0N Range: 14.0E Meridian: S		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input checked="" type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/11/2015	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> CONVERT WELL TYPE
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> OTHER	OTHER: <input type="text" value="Swabbed"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p>September 6th, 7th and 8th we went in and did an acid job and swabbed D-10 again. It was back up and running on the 11th of September.</p>		
<p><b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY October 06, 2015</b></p>		
<b>NAME (PLEASE PRINT)</b> Adam Gallegos	<b>PHONE NUMBER</b> 303 534-0199	<b>TITLE</b> Production Accountant
<b>SIGNATURE</b> N/A	<b>DATE</b> 10/6/2015	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-013147
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>7. UNIT or CA AGREEMENT NAME:</b> BRIDGER LAKE
<b>1. TYPE OF WELL</b> Water Disposal Well		<b>8. WELL NAME and NUMBER:</b> D-10
<b>2. NAME OF OPERATOR:</b> PROVEN PETROLEUM, INC.		<b>9. API NUMBER:</b> 43043300010000
<b>3. ADDRESS OF OPERATOR:</b> 390 Union Blvd Suite 620 , Lakewood, CO, 80228	<b>PHONE NUMBER:</b> 303 534-0199 Ext	<b>9. FIELD and POOL or WILDCAT:</b> BRIDGER LAKE
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1686 FSL 1623 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSE Section: 14 Township: 03.0N Range: 14.0E Meridian: S		<b>COUNTY:</b> SUMMIT
		<b>STATE:</b> UTAH

11.

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input checked="" type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/11/2015	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input type="text" value="Swab"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Went in and acidize and swabbed well on September 6th 7th and 8th.  
Was turned back on September 11, 2015.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
October 08, 2015**

<b>NAME (PLEASE PRINT)</b> Adam Gallegos	<b>PHONE NUMBER</b> 303 534-0199	<b>TITLE</b> Production Accountant
<b>SIGNATURE</b> N/A	<b>DATE</b> 10/5/2015	