

**FILE NOTATIONS**

Entered in MID File ..... ✓  
Location Map Plotted ..... ✓  
and Indexed ..... ✓

Checked by Chief ..... *PWB*  
Approval Letter ..... *9-10-74*  
Disapproval Letter .....

**COMPLETION DATA:**

Date Well Completed *3-8-74*  
W..... WW..... TA..... *(SWDW)*  
GW..... OS..... PA.....

Location Inspected .....  
Bond released  
State or Fee Land .....

**LOGS FILED**

Driller's Log ..... ✓  
Electric Logs (No.) ..... ✓  
..... I ..... East I Ent ..... GR-N ..... Micro .....  
MNC Sonic GR ..... Ent ..... MI-L ..... Sonic .....  
OBLog ..... OCLog ..... Others .....

DRILLING WELL PROGNOSIS

WELL NAME 2-4B3  
 TYPE WELL S.W.D.  
 FIELD/AREA Altapont

APPROX. LOCATION (SUBJECT TO SURVEY) SW $\frac{1}{4}$  Section 4, T2S, R3W

EST. G.L. ELEVATION 6130 PROJECTED TD 5000 OBJECTIVE Duchesne River - Uinta

HOLE SIZE	CASING PROGRAM	LOGGING PROGRAMS	MAX DEV.	DEPTHS AND FORMATION TOPS	SPECIAL INSTRUCTIONS
12 $\frac{1}{4}$ "	9-5/8" 36# K-55 STC			300' or 50' thru boulders, which ever is deeper	SAMPLES: None
8 $\frac{3}{4}$ "	7" 23# K-55 STC	DIL SONIC GR	1 $^{\circ}$ /1000		CORES: None  DST'S:  DEVIATION CONTROL 1 $^{\circ}$ /1000  CEMENT 9-5/8": Circ to surface 7": To surface  MUD  Drill with water, add lime as required to flocculate solids. Mud up after TD to run logs and casing.
				TD 5,000'	SHELL OIL COMPANY EXHIBIT "C"

ORIGINATOR: DMN DATE 8/19/74

ENGINEERING APPROVAL:  
 PETROLEUM:  
 OPERATIONS: T.S. Mize

OPERATIONS APPROVAL:  
[Signature]  
 DIV. DRILLING SUPT.

BEFORE THE BOARD OF OIL AND GAS CONSERVATION  
DEPARTMENT OF NATURAL RESOURCES  
in and for the STATE OF UTAH

IN THE MATTER OF THE APPLICATION OF SHELL )  
OIL COMPANY FOR ADMINISTRATIVE APPROVAL, )  
PURSUANT TO RULE C-11, AUTHORIZING THE )  
DRILLING OF AN INJECTION WELL AND THE )  
UNDERGROUND DISPOSAL OF WATER PRODUCED )  
WITH OIL FROM WELLS IN THE GREATER )  
ALTAMONT-BLUEBELL AREAS, DUCHESNE AND )  
UINTAH COUNTIES, UTAH )

CERTIFICATE OF MAILING

STATE OF TEXAS )  
 ) SS.  
COUNTY OF HARRIS )

Affiant, D. F. GALLION, Attorney for Applicant, Shell Oil Company, being first duly sworn on oath, deposes and says that on September 3, 1974, he caused to be deposited in the United States Mail, first-class postage prepaid, copies of the application in the above entitled matter, addressed via Registered Mail, Return Receipt Requested, to the following:

Barber Oil Exploration Inc.  
2627 Tenneco Building  
Houston, Texas 77002

Chevron Oil Company  
1700 Broadway  
Post Office Box 599  
Denver, Colorado 80201  
Attention: Mr. T. R. Ashmore

and that the addresses given above are correct to the best of affiant's information and belief; and that other than Applicant said companies are all of the lessees of record within one-half mile of the proposed water disposal well described in the application.

*D. F. Gallion*

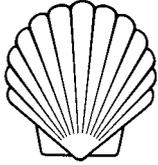
Subscribed and sworn to before me this 3rd day of September, 1974.

My Commission Expires:

June 1, 1975

*Ruth D. Young*  
Notary Public

EXHIBIT "D"



# SHELL OIL COMPANY

1200 MILAM STREET  
P. O. BOX 576  
HOUSTON, TEXAS 77001

September 3, 1974

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

Attention Mr. Cleon B. Feight, Director

Gentlemen:

Enclosed herewith are three copies of Shell Oil Company's application previously discussed with you in which administrative approval is sought to drill a disposal well (No. 2-4B3) and dispose of salt water produced from wells in the greater Altamont-Bluebell areas. The application is filed pursuant to Rule C-11 and copies have been sent via Registered Mail to the lessees named in Exhibit "D" attached to the application.

If no objection is received within the time set forth in Rule C-11, I would appreciate approval pursuant to the Rule.

Very truly yours,

D. F. Gallion  
Attorney

DFG:lf

Enclosures

BEFORE THE BOARD OF OIL AND GAS CONSERVATION  
DEPARTMENT OF NATURAL RESOURCES  
in and for the STATE OF UTAH

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PURSUANT TO RULE C-11, AUTHORIZING THE )  
DRILLING OF AN INJECTION WELL AND THE )  
UNDERGROUND DISPOSAL OF WATER PRODUCED )  
WITH OIL FROM WELLS IN THE GREATER )  
ALTAMONT-BLUEBELL AREAS, DUCHESNE AND )  
UINTAH COUNTIES, UTAH )

APPLICATION

Applicant, SHELL OIL COMPANY, in support of this application, respectfully shows to the Board of Oil and Gas Conservation of the State of Utah, as follows:

1. Applicant is a Delaware corporation duly authorized to transact business in the State of Utah.
2. Applicant is an oil and gas operator in the greater Altamont-Bluebell areas, Duchesne and Uintah Counties, Utah.
3. There are many producing oil and gas wells in the greater Altamont-Bluebell areas and surrounding area which are producing in association with oil and gas, salt water, brackish water or other water unfit for domestic, livestock, irrigation or other general uses. Unless appropriate disposal is provided possible damage may occur to surface estates and potable surface waters.
4. Applicant proposes to dispose of such produced water by injection underground into the lower portion of the Duchesne River-Uinta formations underlying the proposed disposal well.
5. Applicant proposes to drill a salt water disposal well to be designated Well No. 2-4B3 and located 641 feet from the south line and 1988 feet from the west line of Section 4, Township 2 South, Range 3 West, U.S.B.&M., Duchesne County, Utah. The location of the proposed disposal well and all oil and gas wells, including abandoned and drilling wells and dry holes within the greater Altamont-Bluebell areas are shown and designated on Exhibit "A" attached hereto and by this reference made a part hereof. Also attached hereto and made a part hereof are Exhibits "A-1" and "A-2" showing and depicting, respectively, the detailed location of the proposed disposal Well No. 2-4B3 to be drilled, and the names of lessees of record within one-half mile of the proposed disposal well.

6. The Duchesne River-Uinta formations are predominantly clastic rocks including numerous sandstone containing waters and brines and occur from the surface to a depth of approximately 6,000 feet in the Shell-Rust No. 1-4B3 Well, which is the nearest producing oil well to the proposed disposal well.

7. Attached hereto and hereby made a part hereof as Exhibit "B" is a reproduction of the pertinent portion of the log of the Shell-Rust 1-4B3 Well, which is submitted as typical and in lieu of a log of the proposed disposal well to be drilled.

8. Attached hereto and hereby made a part hereof as Exhibit "C" is a prognosis of Well No. 2-4B3 to be drilled which describes and depicts the proposed casing and cementing program for such well. Applicant proposes to pressure test casing prior to injection and precautions will be taken to protect oil, gas and fresh water resources.

9. Water to be disposed of is that which is produced with oil from the Green River-Wasatch formations beneath oil and gas wells in the greater Altamont-Bluebell areas. Injection is proposed through said Well No. 2-4B3 at subsurface intervals ranging approximately from 3,000 to 4,600 feet, at an estimated minimum amount of 200 barrels of water per day increasing to an estimated maximum amount of 5,000 barrels per day due to additional wells and normal water cut increase. Applicant believes the Duchesne River-Uinta formations will adequately take and receive the estimated maximum volumes of produced water.

10. Applicant applied for and received approval from the Board for water disposal Well No. 1-27A4 located in the Southwest Quarter of Section 34, Township 1 North, Range 4 West, approximately five miles northwest of the proposed disposal well. Based upon analyses made by Applicant and the Division of formation water taken from Well No. 1-27A4 at the equivalent stratigraphic intervals proposed herein, Applicant believes that produced water to be disposed of and formation water in the Duchesne River-Uinta formations at the proposed injection intervals are both unfit for domestic, livestock, irrigation or other general uses. However, as in the case of Well No. 1-27A4, Applicant will take two samples of formation water by production swab tests, one from the subsurface interval from 3,000 to 3,300 feet and the other test will be taken below 3,300 feet over an interval to be selected by Applicant. Applicant will notify the

Director, Division of Oil and Gas Conservation, prior to taking such samples and conducting such tests in order that the Director or his staff may witness the tests and take independent samples.

11. Applicant proposes to provide continuous monitoring of the salt water disposal well as to the volume of fluids injected and injection pressures, and such information will be recorded or logged.

12. Names of lessees of record within one-half mile of the proposed disposal well are shown on Exhibit "A-2", and the names and addresses of such lessees and those notified by registered mail of the filing of this application are shown on Exhibit "D" attached hereto and hereby made a part hereof.

WHEREFORE, Applicant respectfully requests that the Board of Oil and Gas Conservation, pursuant to Rule C-11, approve administratively the drilling of the disposal well and the underground disposal of water produced with oil all as more fully set forth herein.

Dated this 26th day of August, 1974.

Respectfully submitted,

SHELL OIL COMPANY

By J. D. Loren  
J. D. Loren  
Division Engineering Manager  
Western Division  
Post Office Box 576  
Houston, Texas 77001

STATE OF TEXAS

COUNTY OF HARRIS

J. D. Loren, being first duly sworn on oath, deposes and says that he is Division Engineering Manager for the Western Division of Shell Oil Company; that he has read the foregoing application and knows the contents thereof; and that the matters and things therein stated are true.

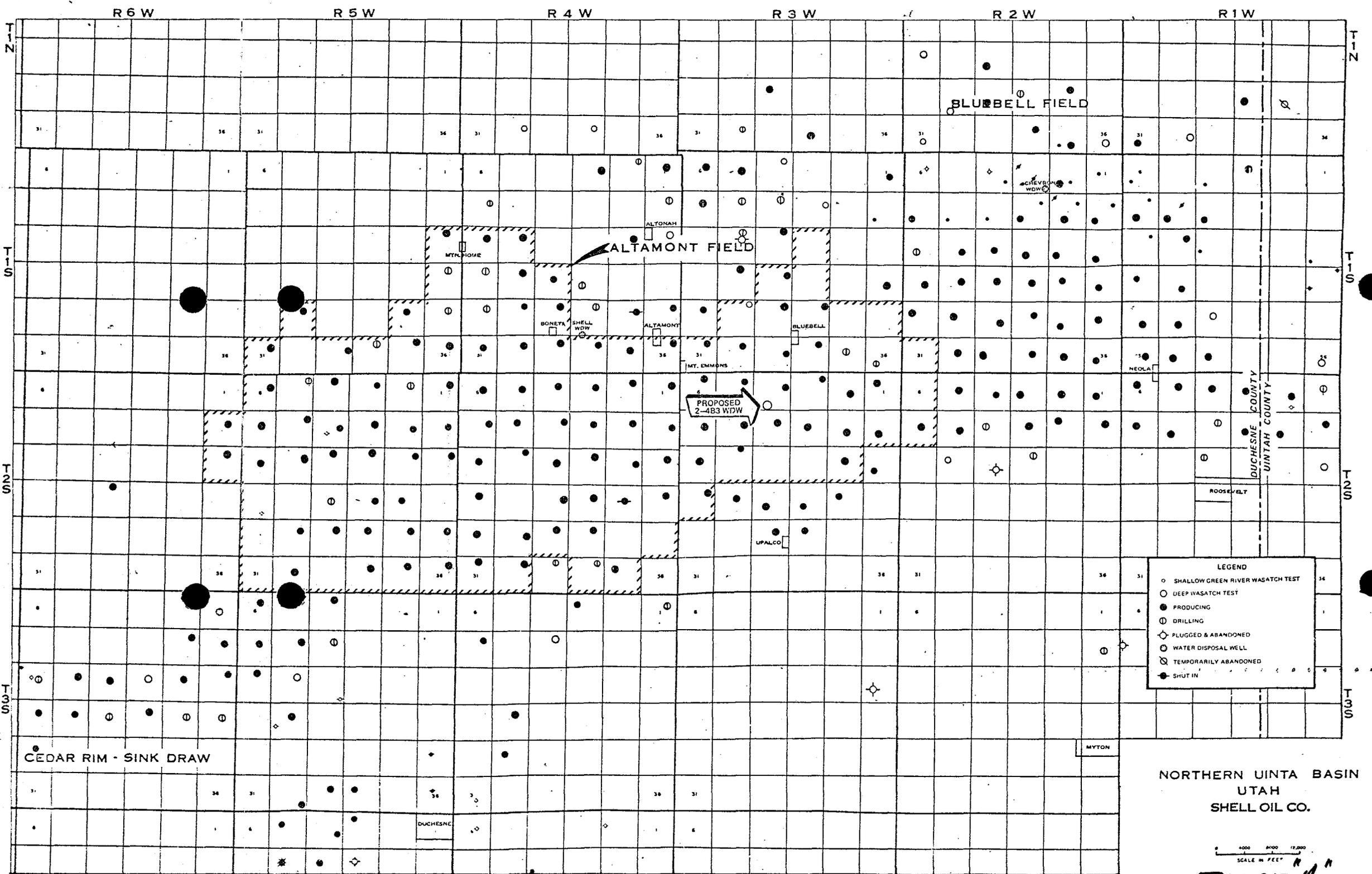
J. D. Loren

Subscribed and sworn to before me this 26th day of August, 1974.

My Commission Expires:

June 1, 1975

Ruth D. Young  
Notary Public  
In and for Harris County, Texas



**LEGEND**

- SHALLOW GREEN RIVER WASATCH TEST
- DEEP WASATCH TEST
- PRODUCING
- ⊕ DRILLING
- ◇ PLUGGED & ABANDONED
- ⊗ WATER DISPOSAL WELL
- ⊘ TEMPORARILY ABANDONED
- SHUT IN

NORTHERN UINTA BASIN  
UTAH  
SHELL OIL CO.

0 4000 8000 12000  
SCALE IN FEET

**EXHIBIT A**

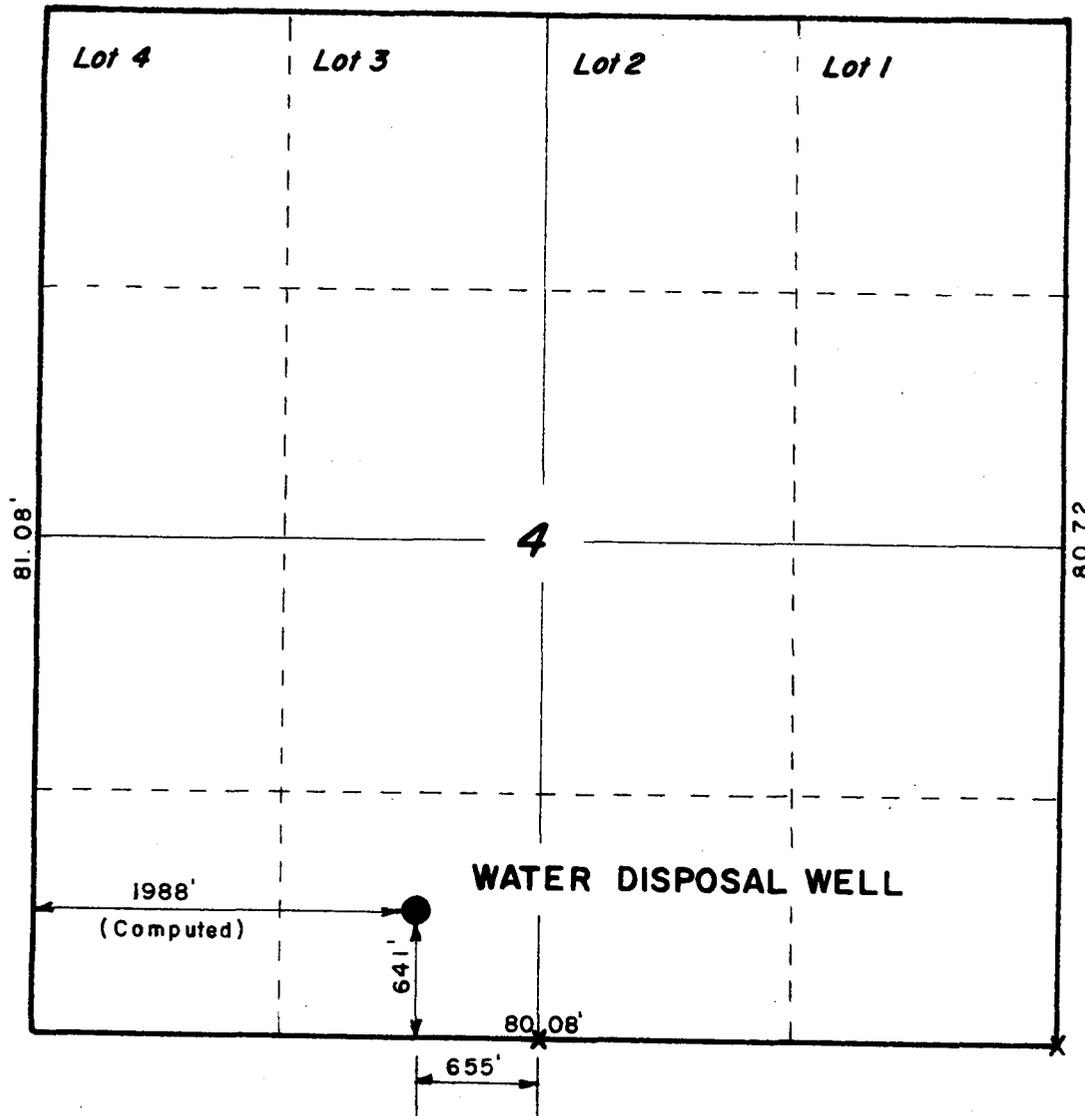
T2S, R3W, U.S.B. & M.

PROJECT

**SHELL OIL COMPANY**

Water Disposal Well located as shown  
in the SE 1/4, SW 1/4, Section 4, T2S,  
R3W, U.S.B. & M. Duchense County, Utah.

EXHIBIT "A-1"



X = Section Corners Located



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM  
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY  
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE  
BEST OF MY KNOWLEDGE AND BELIEF.

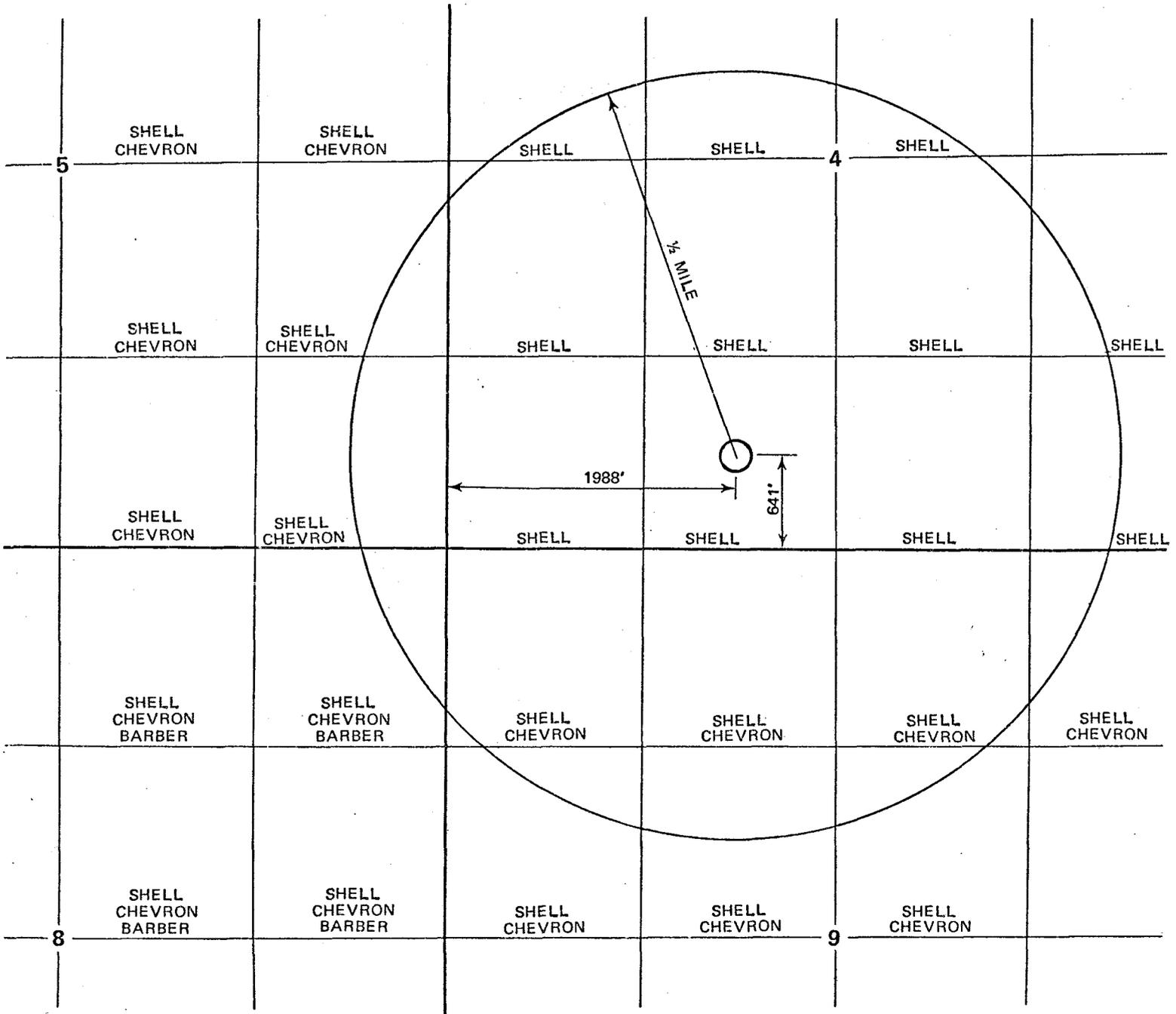
*Gene Stewart*

REGISTERED LAND SURVEYOR  
REGISTRATION NO 3154  
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING  
P. O. BOX Q - 110 EAST - FIRST SOUTH  
VERNAL, UTAH - 84078

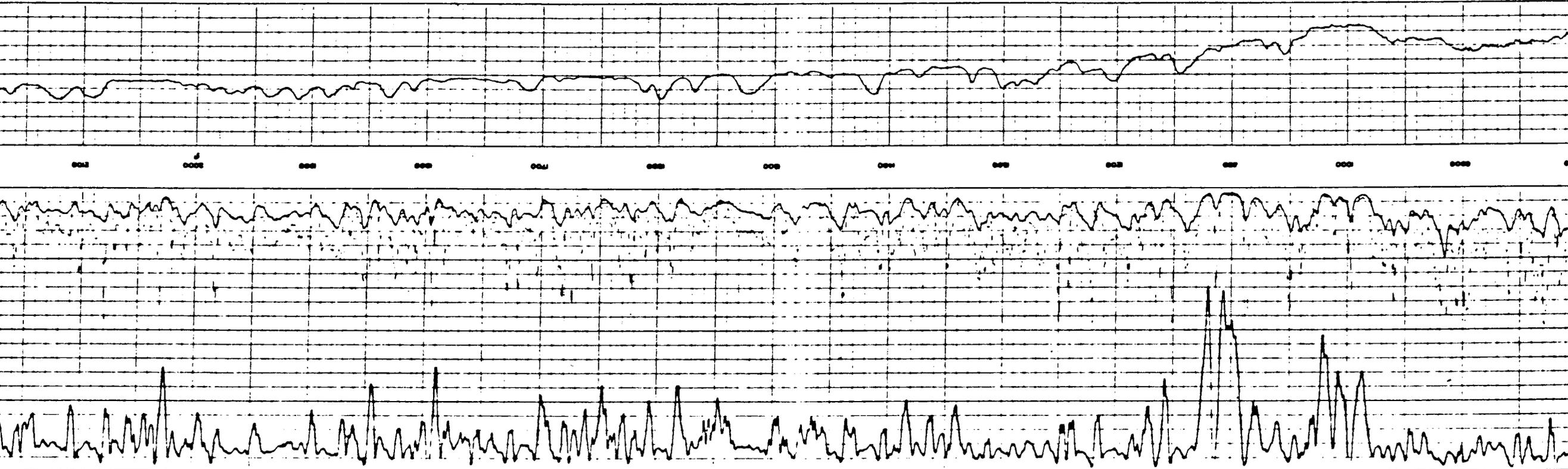
SCALE 1"=1000'	DATE Aug 19, 1974
PARTY D.A. R.R.	REFERENCES GLO Plat
WEATHER Hot	FILE Shell Oil Co.

LESSEE PLAT  
PARTS OF SEC'S. 4, 5, 8 & 9  
T 2 S-R 3 W USM  
DUCHESNE CO., UTAH

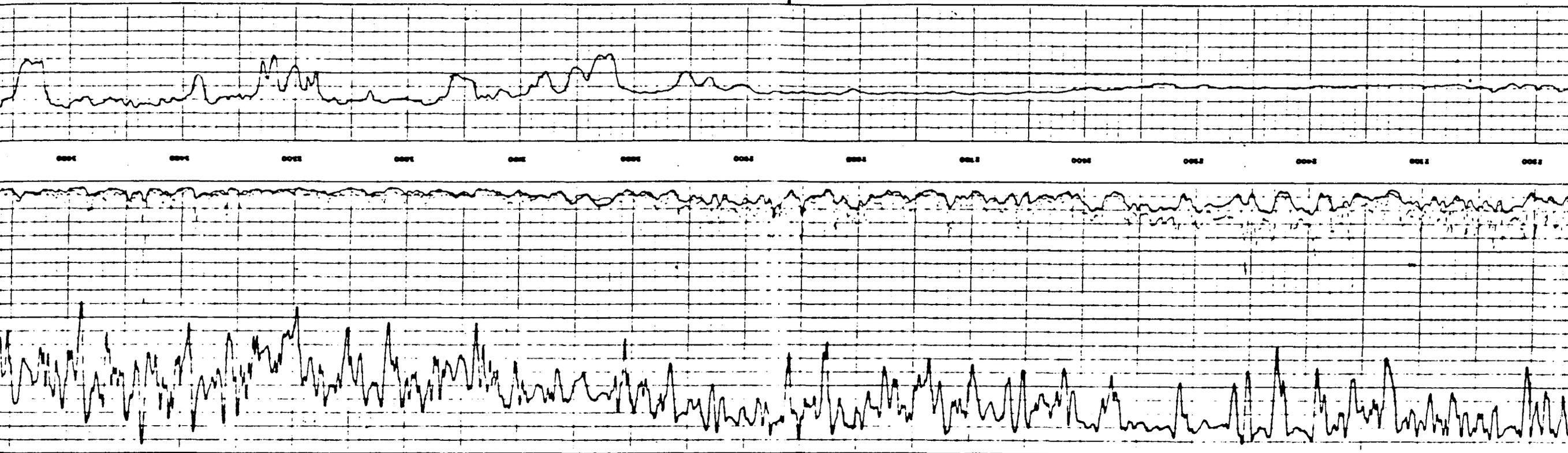


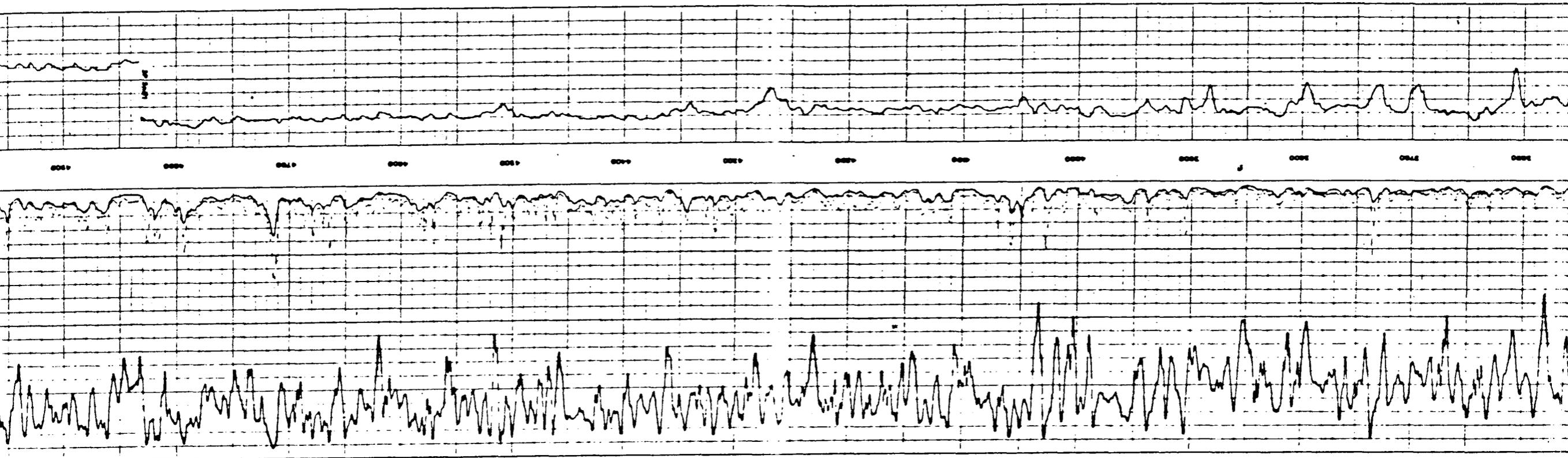
SHELL OIL COMPANY  
EXHIBIT "A-2"

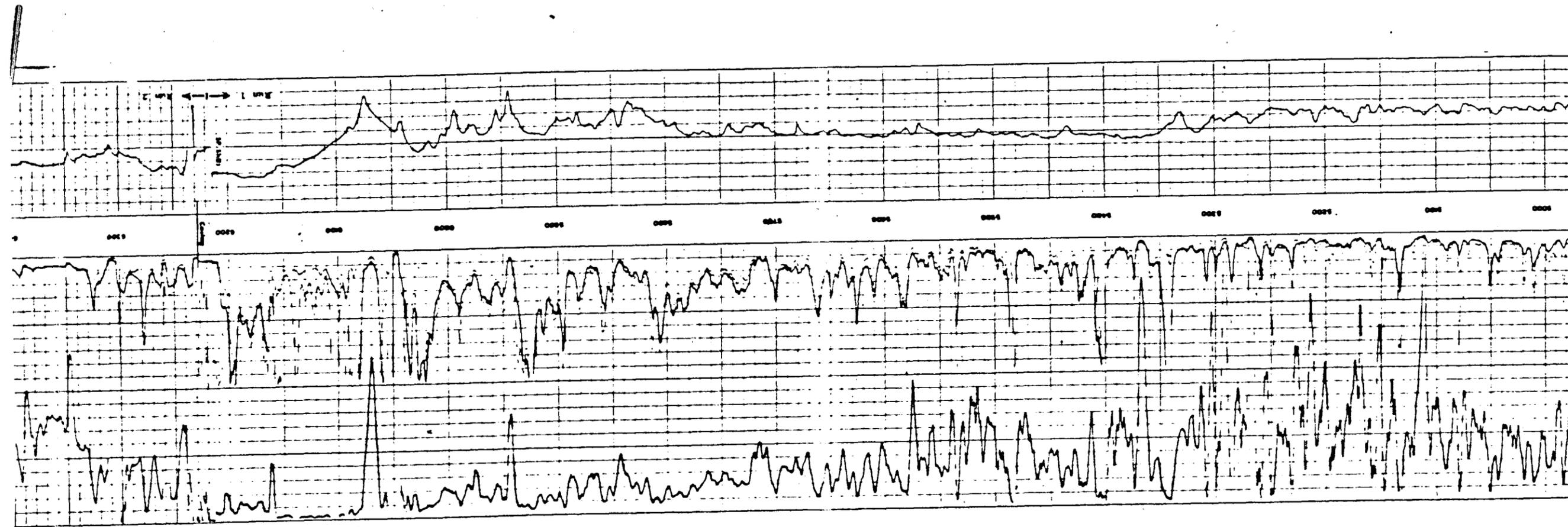




1950'







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*D. F. Gallion*

Subscribed and sworn to before me this 3rd day of September, 1974.

My Commission Expires:

June 1, 1975

*Ruth D. Young*  
Notary Public

EXHIBIT "D"

BEFORE THE BOARD OF OIL AND GAS CONSERVATION  
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WHEREFORE, Applicant respectfully requests that the Board of Oil and Gas Conservation, pursuant to Rule C-11, approve administratively the drilling of the disposal well and the underground disposal of water produced with oil all as more fully set forth herein.

Dated this 26th day of August, 1974.

Respectfully submitted,

SHELL OIL COMPANY

By J. D. Loren  
J. D. Loren  
Division Engineering Manager  
Western Division  
Post Office Box 576  
Houston, Texas 77001

STATE OF TEXAS

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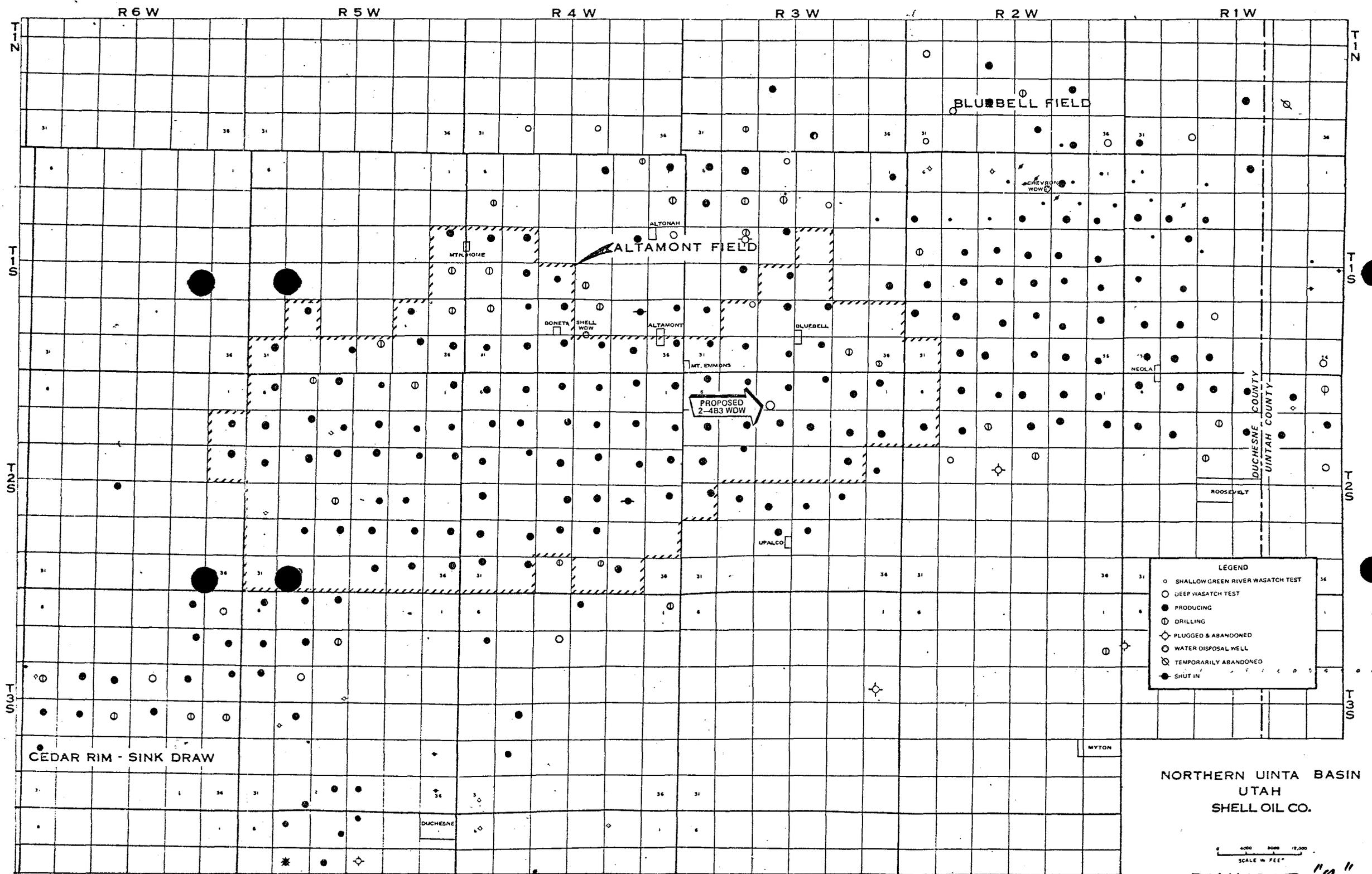
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In and for Harris County, Texas



**LEGEND**

- SHALLOW GREEN RIVER WASATCH TEST
- DEEP WASATCH TEST
- PRODUCING
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- ⊖ WATER DISPOSAL WELL
- ⊗ TEMPORARILY ABANDONED
- SHUT IN

NORTHERN UINTA BASIN  
UTAH  
SHELL OIL CO.

0 4000 8000 12000  
SCALE IN FEET

EXHIBIT "A"

T2S, R3W, U.S.B. & M.

PROJECT

**SHELL OIL COMPANY**

Water Disposal Well located as shown  
in the SE 1/4, SW 1/4, Section 4, T2S,  
R3W, U.S.B. & M. Duchense County, Utah.

EXHIBIT "A-1"



CERTIFICATE

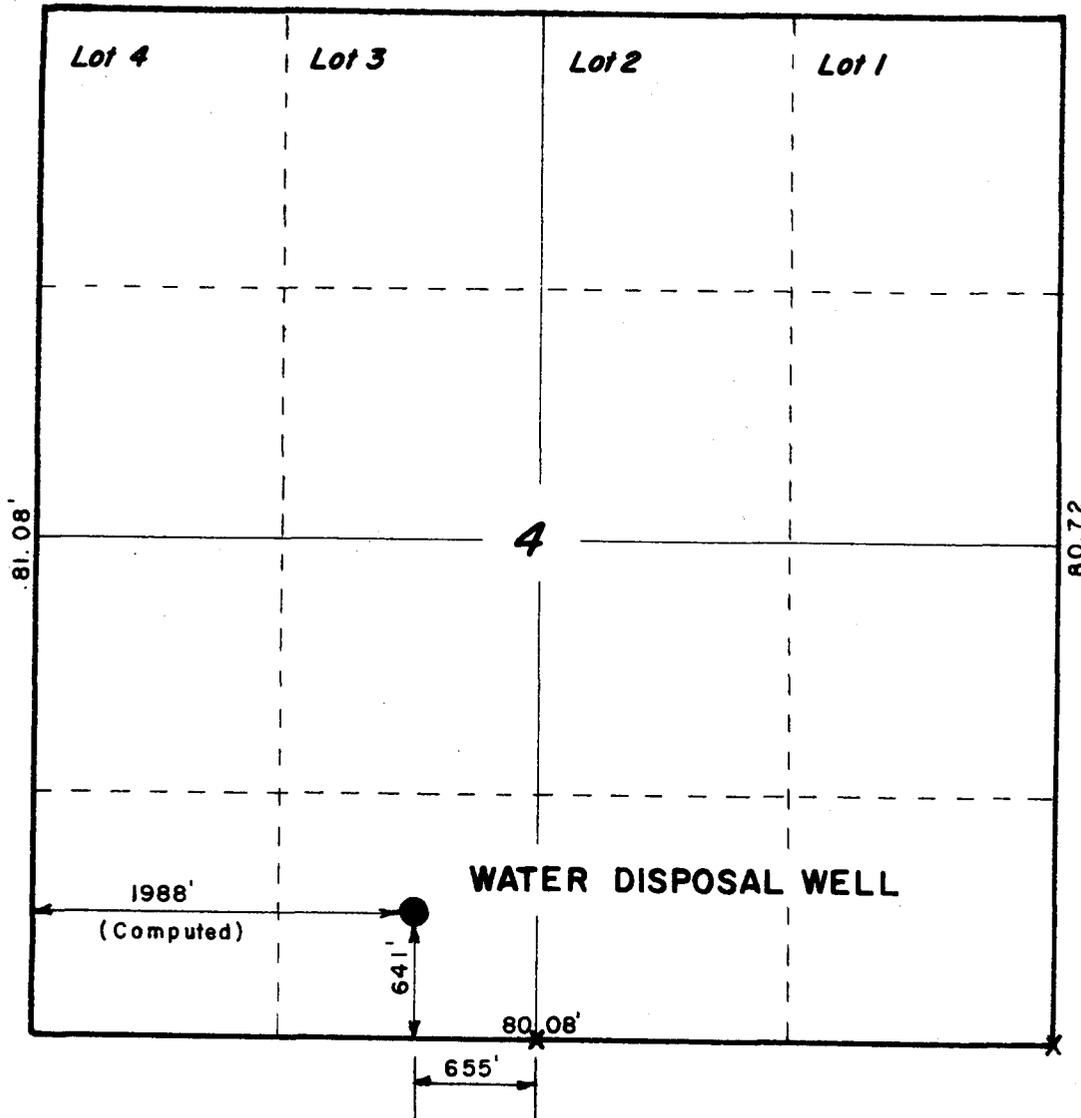
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM  
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY  
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REGISTERED LAND SURVEYOR  
REGISTRATION NO 3154  
STATE OF UTAH

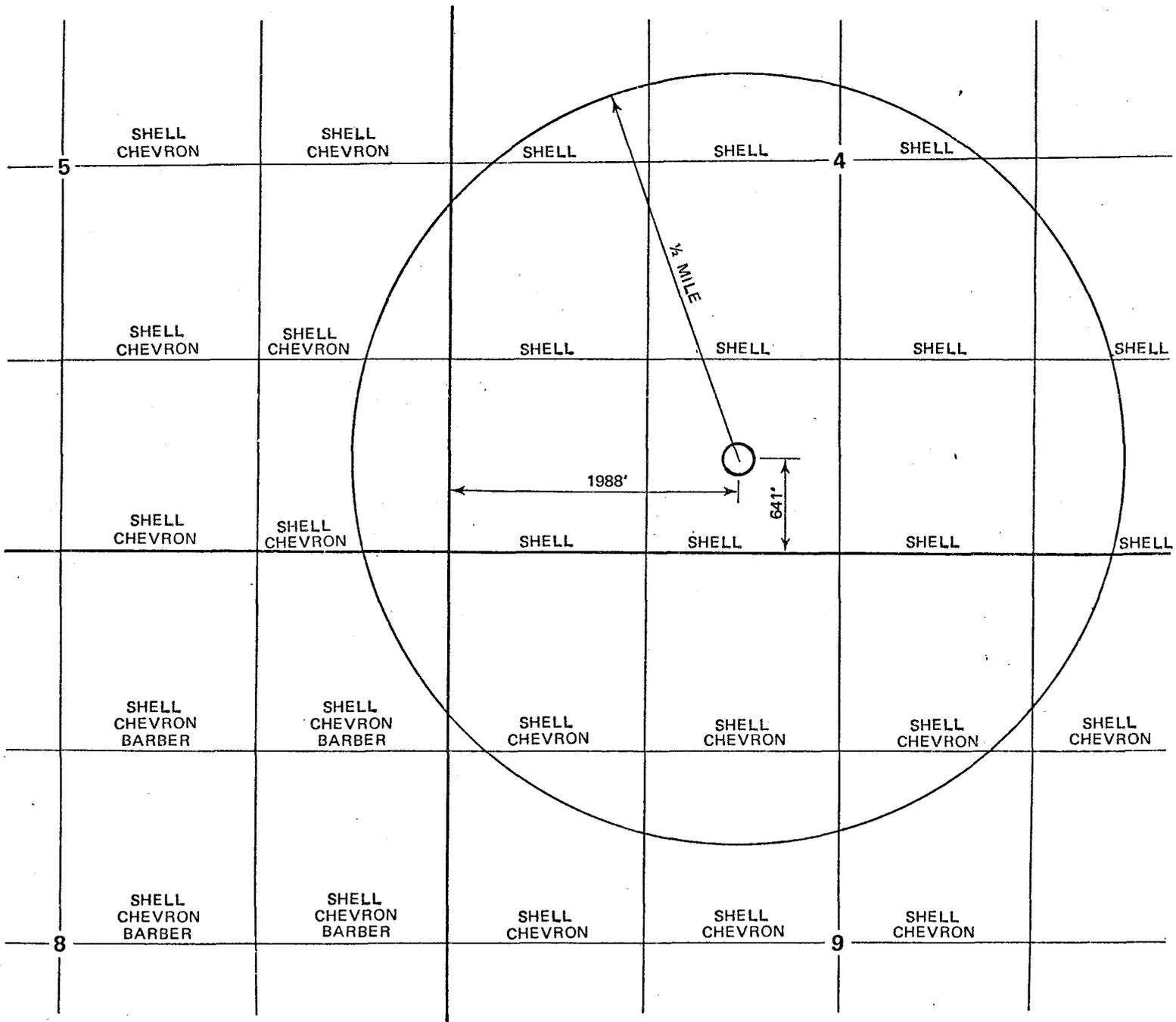
UINTAH ENGINEERING & LAND SURVEYING  
P. O. BOX Q - 110 EAST - FIRST SOUTH  
VERNAL, UTAH - 84078

SCALE	1"=1000'	DATE	Aug 19, 1974
PARTY	D.A. R.R.	REFERENCES	GLO Plat
WEATHER	Hot	FILE	Shell Oil Co.



X = Section Corners Located

LESSEE PLAT  
PARTS OF SEC'S. 4, 5, 8 & 9  
T 2 S-R 3 W USM  
DUCHESNE CO., UTAH



SHELL OIL COMPANY  
EXHIBIT "A-2"

DRILLING WELL PROGNOSIS

WELL NO. 2-4B3  
 TYPE WELL S.W.D.  
 FIELD/AREA Altapont

APPROX. LOCATION (SUBJECT TO SURVEY) SW $\frac{1}{4}$  Section 4, T2S, R3W

EST. G. L. ELEVATION 6130 PROJECTED TD 5000 OBJECTIVE Duchesne River - Uinta

HOLE SIZE	CASING PROGRAM	LOGGING PROGRAMS	MAX DEV.	DEPTHS AND FORMATION TOPS	SPECIAL INSTRUCTIONS
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3 $\frac{3}{4}$ "	7" 23# K-55 STC	DIL SONIC GR	1°/1000	TD 5,000'	CORES: None  DST'S:  DEVIATION CONTROL 1°/1000  CEMENT 9-5/8": Circ to surface 7": To surface  MUD  Drill with water, add lime as required to flocculate solids. Mud up after TD to run logs and casing.

*SHELL OIL COMPANY*  
 EXHIBIT "C"

ORIGINATOR: DMN

DATE 8/19/74

ENGINEERING APPROVAL:

PETROLEUM:

OPERATIONS: T.S. Mize

OPERATIONS APPROVAL:

*D.L. Martick*

DIV. DRILLING SUPT.

BEFORE THE BOARD OF OIL AND GAS CONSERVATION  
DEPARTMENT OF NATURAL RESOURCES  
in and for the STATE OF UTAH

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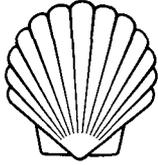
Subscribed and sworn to before me this 3rd day of September, 1974.

My Commission Expires:

June 1, 1975

*Ruth D. Young*  
Notary Public

EXHIBIT "D"



# SHELL OIL COMPANY

1200 MILAM STREET  
P. O. BOX 576  
HOUSTON, TEXAS 77001

September 4, 1974

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

Attention: Mr. Cleon B. Feight, Director

Gentlemen:

In the second line of paragraph 10 in the application of Shell Oil Company enclosed with my letter of September 3, 1974, please note that water disposal Well No. 1-27A4 is located in the SW-1/4 of Section 27 rather than Section 34.

Yours very truly,

D. F. Gallion  
Attorney

DFG:EG

BEFORE THE BOARD OF OIL AND GAS CONSERVATION  
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in and for the STATE OF UTAH

IN THE MATTER OF THE APPLICATION OF SHELL )  
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Applicant, SHELL OIL COMPANY, in support of this application, respectfully shows to the Board of Oil and Gas Conservation of the State of Utah, as follows:

1. Applicant is a Delaware corporation duly authorized to transact business in the State of Utah.
2. Applicant is an oil and gas operator in the greater Altamont-Bluebell areas, Duchesne and Uintah Counties, Utah.
3. There are many producing oil and gas wells in the greater Altamont-Bluebell areas and surrounding area which are producing in association with oil and gas, salt water, brackish water or other water unfit for domestic, livestock, irrigation or other general uses. Unless appropriate disposal is provided possible damage may occur to surface estates and potable surface waters.
4. Applicant proposes to dispose of such produced water by injection underground into the lower portion of the Duchesne River-Uinta formations underlying the proposed disposal well.
5. Applicant proposes to drill a salt water disposal well to be designated Well No. 2-4B3 and located 641 feet from the south line and 1988 feet from the west line of Section 4, Township 2 South, Range 3 West, U.S.B.&M., Duchesne County, Utah. The location of the proposed disposal well and all oil and gas wells, including abandoned and drilling wells and dry holes within the greater Altamont-Bluebell areas are shown and designated on Exhibit "A" attached hereto and by this reference made a part hereof. Also attached hereto and made a part hereof are Exhibits "A-1" and "A-2" showing and depicting, respectively, the detailed location of the proposed disposal Well No. 2-4B3 to be drilled, and the names of lessees of record within one-half mile of the proposed disposal well.

6. The Duchesne River-Uinta formations are predominantly clastic rocks including numerous sandstone containing waters and brines and occur from the surface to a depth of approximately 6,000 feet in the Shell-Rust No. 1-4B3 Well, which is the nearest producing oil well to the proposed disposal well.

7. Attached hereto and hereby made a part hereof as Exhibit "B" is a reproduction of the pertinent portion of the log of the Shell-Rust 1-4B3 Well, which is submitted as typical and in lieu of a log of the proposed disposal well to be drilled.

8. Attached hereto and hereby made a part hereof as Exhibit "C" is a prognosis of Well No. 2-4B3 to be drilled which describes and depicts the proposed casing and cementing program for such well. Applicant proposes to pressure test casing prior to injection and precautions will be taken to protect oil, gas and fresh water resources.

9. Water to be disposed of is that which is produced with oil from the Green River-Wasatch formations beneath oil and gas wells in the greater Altamont-Bluebell areas. Injection is proposed through said Well No. 2-4B3 at subsurface intervals ranging approximately from 3,000 to 4,600 feet, at an estimated minimum amount of 200 barrels of water per day increasing to an estimated maximum amount of 5,000 barrels per day due to additional wells and normal water cut increase. Applicant believes the Duchesne River-Uinta formations will adequately take and receive the estimated maximum volumes of produced water.

10. Applicant applied for and received approval from the Board for water disposal Well No. 1-27A4 located in the Southwest Quarter of Section 34, Township 1 North, Range 4 West, approximately five miles northwest of the proposed disposal well. Based upon analyses made by Applicant and the Division of formation water taken from Well No. 1-27A4 at the equivalent stratigraphic intervals proposed herein, Applicant believes that produced water to be disposed of and formation water in the Duchesne River-Uinta formations at the proposed injection intervals are both unfit for domestic, livestock, irrigation or other general uses. However, as in the case of Well No. 1-27A4, Applicant will take two samples of formation water by production swab tests, one from the subsurface interval from 3,000 to 3,300 feet and the other test will be taken below 3,300 feet over an interval to be selected by Applicant. Applicant will notify the

Director, Division of Oil and Gas Conservation, prior to taking such samples and conducting such tests in order that the Director or his staff may witness the tests and take independent samples.

11. Applicant proposes to provide continuous monitoring of the salt water disposal well as to the volume of fluids injected and injection pressures, and such information will be recorded or logged.

12. Names of lessees of record within one-half mile of the proposed disposal well are shown on Exhibit "A-2", and the names and addresses of such lessees and those notified by registered mail of the filing of this application are shown on Exhibit "D" attached hereto and hereby made a part hereof.

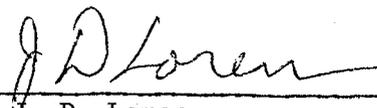
WHEREFORE, Applicant respectfully requests that the Board of Oil and Gas Conservation, pursuant to Rule C-11, approve administratively the drilling of the disposal well and the underground disposal of water produced with oil all as more fully set forth herein.

Dated this 26th day of August, 1974.

Respectfully submitted,

SHELL OIL COMPANY

By

  
J. D. Loren  
Division Engineering Manager  
Western Division  
Post Office Box 576  
Houston, Texas 77001

STATE OF TEXAS

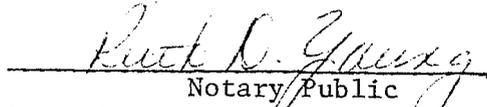
COUNTY OF HARRIS

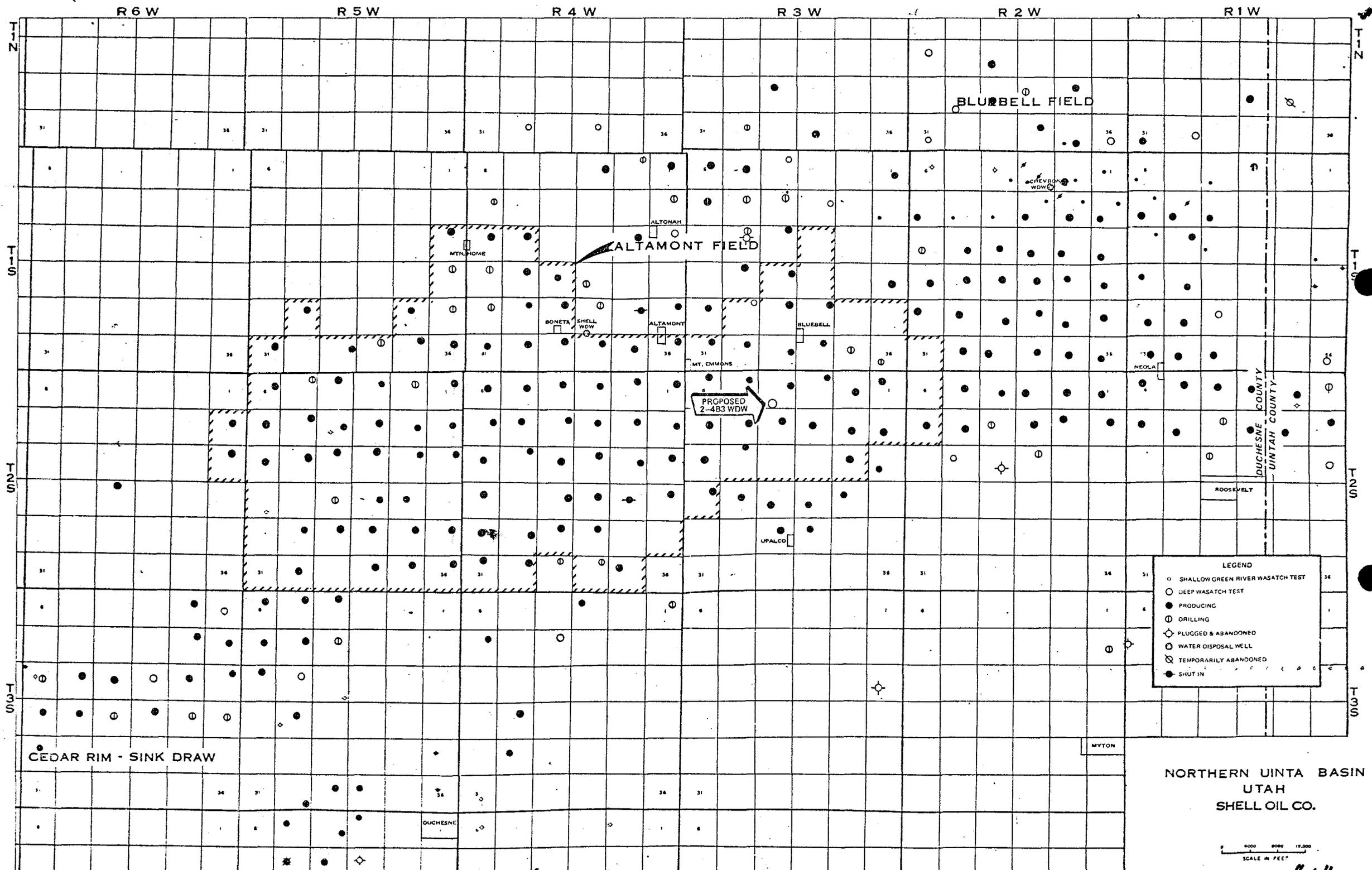
J. D. Loren, being first duly sworn on oath, deposes and says that he is Division Engineering Manager for the Western Division of Shell Oil Company; that he has read the foregoing application and knows the contents thereof; and that the matters and things therein stated are true.

  
Subscribed and sworn to before me this 26th day of August, 1974.

My Commission Expires:

June 1, 1975

  
Notary Public  
In and for Harris County, Texas



**LEGEND**

- SHALLOW GREEN RIVER WASATCH TEST
- DEEP WASATCH TEST
- PRODUCING
- ⊙ DRILLING
- ◇ PLUGGED & ABANDONED
- ⊖ WATER DISPOSAL WELL
- ⊗ TEMPORARILY ABANDONED
- SHUT IN

NORTHERN UINTA BASIN  
UTAH  
SHELL OIL CO.

4000 8000 12000  
SCALE IN FEET

EXHIBIT "A"

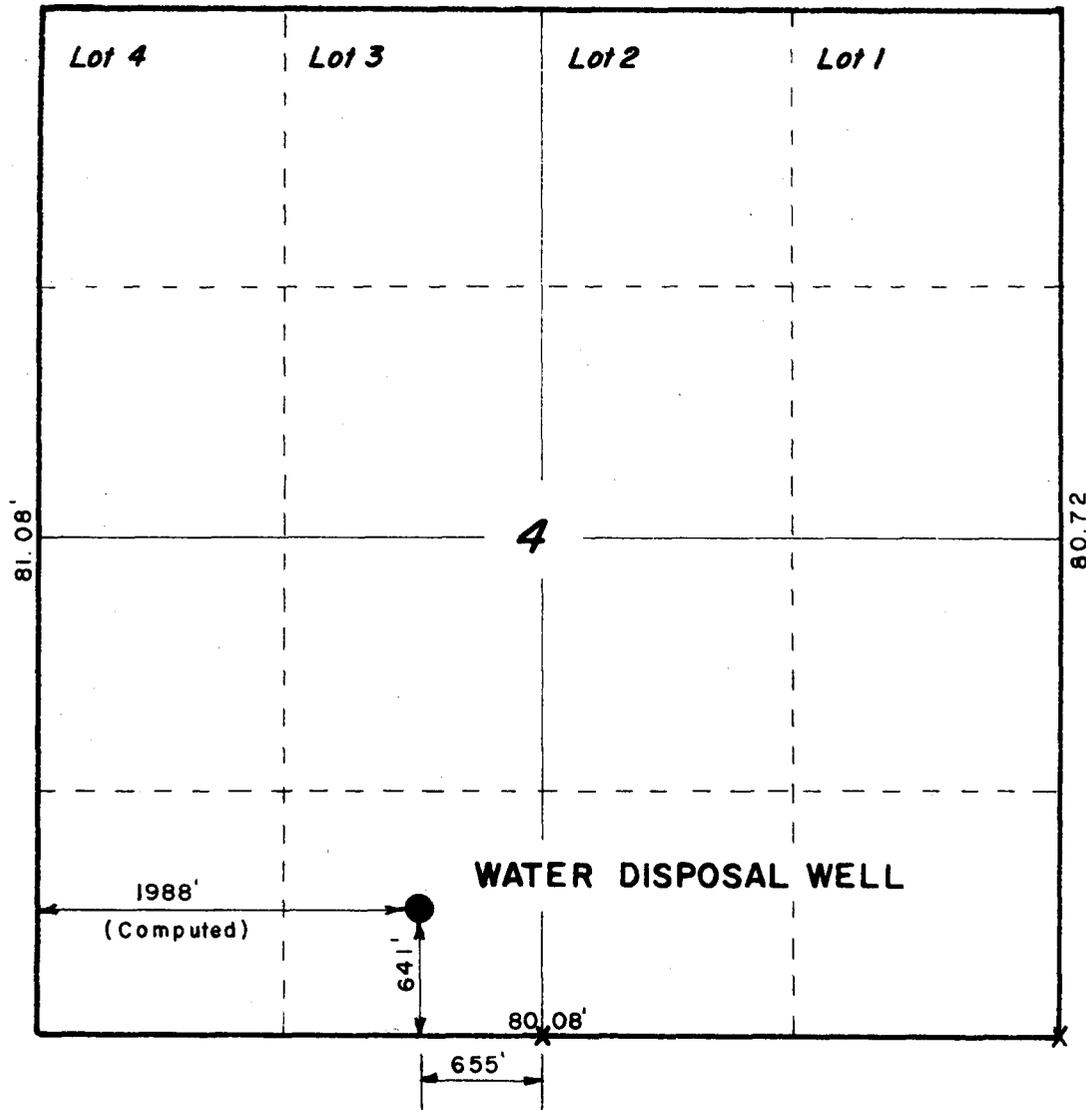
T2S, R3W, U.S.B. & M.

PROJECT

**SHELL OIL COMPANY**

Water Disposal Well located as shown  
in the SE 1/4, SW 1/4, Section 4, T2S,  
R3W, U.S.B. & M. Duchense County, Utah.

"A-1"  
**EXHIBIT A-1**



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM  
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY  
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE  
BEST OF MY KNOWLEDGE AND BELIEF.

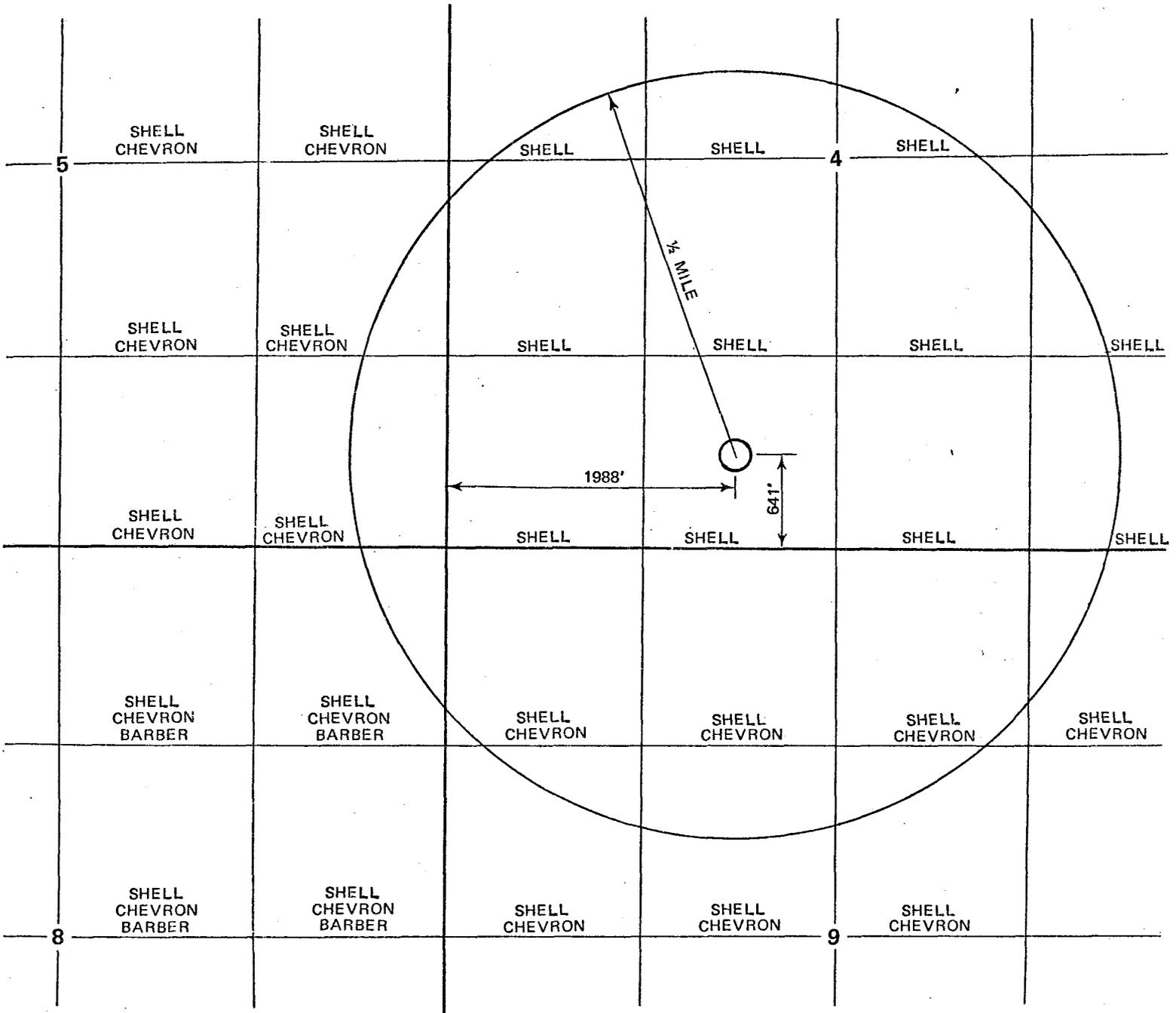
*Gene Stewart*

REGISTERED LAND SURVEYOR  
REGISTRATION NO 3154  
STATE OF UTAH

**UINTAH ENGINEERING & LAND SURVEYING**  
P. O. BOX Q - 110 EAST - FIRST SOUTH  
VERNAL, UTAH - 84078

SCALE	1"=1000'	DATE	Aug 19, 1974
PARTY	D.A. R.R.	REFERENCES	GLO Plat
WEATHER	Hot	FILE	Shell Oil Co.

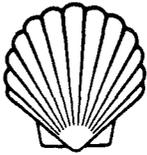
LESSEE PLAT  
PARTS OF SEC'S. 4, 5, 8 & 9  
T 2 S-R 3 W USM  
DUCHESNE CO., UTAH



SHELL OIL COMPANY  
EXHIBIT "A-2"

64

*[Handwritten mark]*



# SHELL OIL COMPANY

1700 BROADWAY  
DENVER, COLORADO 80202

September 5, 1974

Chevron Oil Company  
1700 Broadway  
Denver, Colorado 80202

Attention Mr. T. R. Ashmore

Gentlemen:

Shell Oil Company has filed an application to dispose of salt water in the Altamont Field, Duchesne County, Utah, pursuant to Oil & Gas Conservation Rule C-11 - Procedure For Underground Disposal Water. A copy of this application has been forwarded to you under separate cover. Also, we have requested and received approval from the Director of the Oil & Gas Commission to proceed on the basis that our application will be approved administratively. Therefore, in an effort to expedite the drilling of the proposed salt water disposal well #2-4B3, we request that you sign this letter in the space provided below and return it to this office in the self-addressed stamped envelope. This would evidence your consent and waive any objection to our application to drill said well.

Your earliest consideration of this urgent request would be appreciated.

Very truly yours,

Original Signed By  
J. A. STANZIONE

In The Absence Of  
L. G. Roark  
Division Operations Manager  
Rocky Mountain Operations Office

*[Handwritten signature: R. Patterson]*  
CHEVRON OIL COMPANY

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

5. Lease Designation and Serial No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

6. If Indian, Allottee or Tribe Name

1a. Type of Work

DRILL

DEEPEN

PLUG BACK

7. Unit Agreement Name

b. Type of Well

Oil Well

Gas Well

Other

SWD Well

Single Zone

Multiple Zone

8. Farm or Lease Name

G. Hanson

2. Name of Operator

Shell Oil Company

9. Well No.

2-4B3 SWD

3. Address of Operator

1700 Broadway, Denver, Colorado 80202

10. Field and Pool, or Wildcat

Altamont

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

At surface

1988' FWL and 641' FSL, SE/4 SW/4 Section 4

At proposed prod. zone

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

SE/4 SW/4 Section 4-T2S-R3W

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

3-1/2 miles SE of Altamont

12. County or Parrish 13. State

Duchesne Utah

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

641' north of nearest least line

16. No. of acres in lease

N.A.

17. No. of acres assigned to this well

N.A.

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

3500' SW of nearest well (1-4B3)

19. Proposed depth

5000'

20. Rotary or cable tools

Rotary

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

6130 GL (estimated)

22. Approx. date work will start\*

9/15/74

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement

Attached are survey plat and drilling prognosis.

APPROVED BY DIVISION OF OIL & GAS CONSERVATION

DATE SEP 10 1974

BY *C. B. Feigley*

*Approved by  
T. S. Mize  
Division Operations Engineer  
Date 9/6/74*

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 *T.S. Mize*

Title Division Operations Engineer

Date 9/6/74

(This space for Federal or State office use)

Permit No. 43-013-30337

Approval Date

Approved by  
Conditions of approval, if any:

Title

Date

### DRILLING WELL PROGNOSIS

WELL NAME 2-4B3  
 TYPE WELL S.W.D.  
 FIELD/AREA Altamont

APPROX. LOCATION (SUBJECT TO SURVEY) SW $\frac{1}{4}$  Section 4, T2S, R3W

EST. G. L. ELEVATION 6130 PROJECTED TD 5000 OBJECTIVE Duchesne River - Uinta

HOLE SIZE	CASING PROGRAM	LOGGING PROGRAMS	MAX DEV.	DEPTHS AND FORMATION TOPS	SPECIAL INSTRUCTIONS
12 $\frac{1}{4}$ "	9-5/8" 36# K-55 STC			300' or 50' thru boulders, whichever is deeper	SAMPLES: None
3-3/4"	7" 23# K-55 STC	DIL SONIC GR	1°/1000		CORES: None  DST'S:  DEVIATION CONTROL 1°/1000  CEMENT 9-5/8": Circ to surface 7": To surface  MUD  Drill with water, add lime as required to flocculate solids. Mud up after TD to run logs and casing.
				TD 5,000'	

ORIGINATOR: DMN

DATE 8/19/74

ENGINEERING APPROVAL: \_\_\_\_\_

PETROLEUM: \_\_\_\_\_

OPERATIONS: J.S. Mize

OPERATIONS APPROVAL: D.L. Wartick  
 DIV. DRILLING SUPT.

DRILLING WELL PROGNOSIS

WELL NAME 2-4B3  
 TYPE WELL S.W.D.  
 FIELD/AREA Altamont

APPROX. LOCATION (SUBJECT TO SURVEY) SW<sup>1</sup>/<sub>4</sub> Section 4, T2S, R3W

EST. G. L. ELEVATION 6130 PROJECTED TD 5000 OBJECTIVE Duchesne River - Uinta

HOLE SIZE	CASING PROGRAM	LOGGING PROGRAMS	MAX DEV.	DEPTHS AND FORMATION TOPS	SPECIAL INSTRUCTIONS
2 1/4"	9-5/8" 36# K-55 STC			300' or 50' thru boulders, whichever is deeper	SAMPLES: None
3 3/4"	7" 23# K-55 STC	DIL SONIC GR	10/1000		CORES: None  DST'S:  DEVIATION CONTROL 1°/1000  CEMENT 9-5/8": Circ to surface 7": To surface  MUD  Drill with water, add lime as required to flocculate solids. Mud up after TD to run logs and casing.

*SHELL OIL COMPANY*  
 EXHIBIT "C"

TD 5,000'

ORIGINATOR: DMN DATE 8/19/74

ENGINEERING APPROVAL:

PETROLEUM: \_\_\_\_\_

OPERATIONS: T.S. Mize

OPERATIONS APPROVAL:

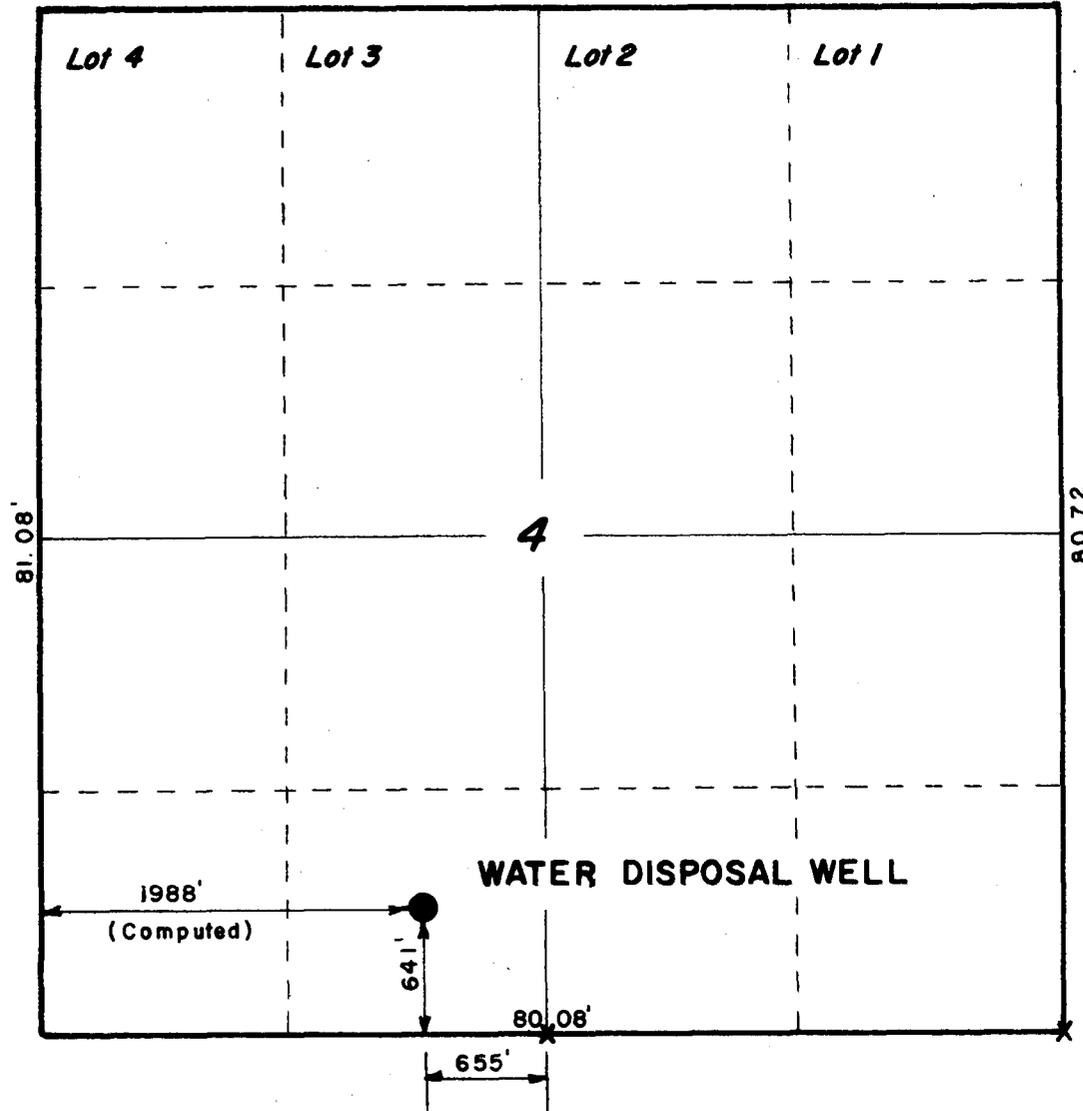
*D.L. Martick*  
 DIV. DRILLING SUPT.

T2S, R3W, U.S.B. & M.

PROJECT

**SHELL OIL COMPANY**

Water Disposal Well located as shown  
in the SE 1/4, SW 1/4, Section 4, T2S,  
R3W, U.S.B. & M. Duchense County, Utah.



X = Section Corners Located



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM  
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY  
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE  
BEST OF MY KNOWLEDGE AND BELIEF.

*Gene Stewart*

REGISTERED LAND SURVEYOR  
REGISTRATION NO 3154  
STATE OF UTAH

**UINTAH ENGINEERING & LAND SURVEYING**  
P. O. BOX Q - 110 EAST - FIRST SOUTH  
VERNAL, UTAH - 84078

SCALE 1"=1000'	DATE Aug 19, 1974
PARTY D.A. R.R.	REFERENCES GLO Plat
WEATHER Hot	FILE Shell Oil Co.

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

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

5. Lease Designation and Serial No.

**APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK**

6. If Indian, Allottee or Tribe Name

1a. Type of Work

DRILL

DEEPEN

PLUG BACK

b. Type of Well

Oil Well

Gas Well

Other

**SWD Well**

Single Zone

Multiple Zone

2. Name of Operator

**Shell Oil Company**

7. Unit Agreement Name

8. Farm or Lease Name

**G. Hanson**

9. Well No.

**2-4B3 SWD**

10. Field and Pool, or Wildcat

**Altamont**

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

**SE/4 SW/4 Section 4-T2S-R3W**

3. Address of Operator

**1700 Broadway, Denver, Colorado 80202**

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

**1988' FWL and 641' FSL, SE/4 SW/4 Section 4**  
At proposed prod. zone

12. County or Parrish 13. State

**Duchesne Utah**

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

**3-1/2 miles SE of Altamont**

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

**641' north of nearest least line**

16. No. of acres in lease

**N.A.**

17. No. of acres assigned to this well

**N.A.**

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

**3500' SW of nearest well (1-4B3)**

19. Proposed depth

**5000'**

20. Rotary or cable tools

**Rotary**

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

**6130 GL (estimated)**

22. Approx. date work will start\*

**9/15/74**

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement

**Attached are survey plat and drilling prognosis.**

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 T.S. Mize Title Division Operations Engineer Date 9/6/74

(This space for Federal or State office use)

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

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

Conditions of approval, if any:

### DRILLING WELL PROGNOSIS

WELL NAME 2-4B3  
 TYPE WELL S.W.D.  
 FIELD/AREA Altamont

APPROX. LOCATION (SUBJECT TO SURVEY) SW<sup>1</sup>/<sub>4</sub> Section 4, T2S, R3W

EST. G. L. ELEVATION 6130 PROJECTED TD 5000 OBJECTIVE Duchesne River - Uinta

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7" -3/4"	23# K-55 STC	DIL SONIC GR	1°/1000		CORES: None  DST'S:  DEVIATION CONTROL 1°/1000  CEMENT 9-5/8": Circ to surface 7": To surface  MUD  Drill with water, add lime as required to flocculate solids. Mud up after TD to run logs and casing.
				TD 5,000'	

ORIGINATOR: DMN DATE 8/19/74

ENGINEERING APPROVAL: \_\_\_\_\_

PETROLEUM: \_\_\_\_\_

OPERATIONS: J.S. Mize

OPERATIONS APPROVAL: D.L. Wartick

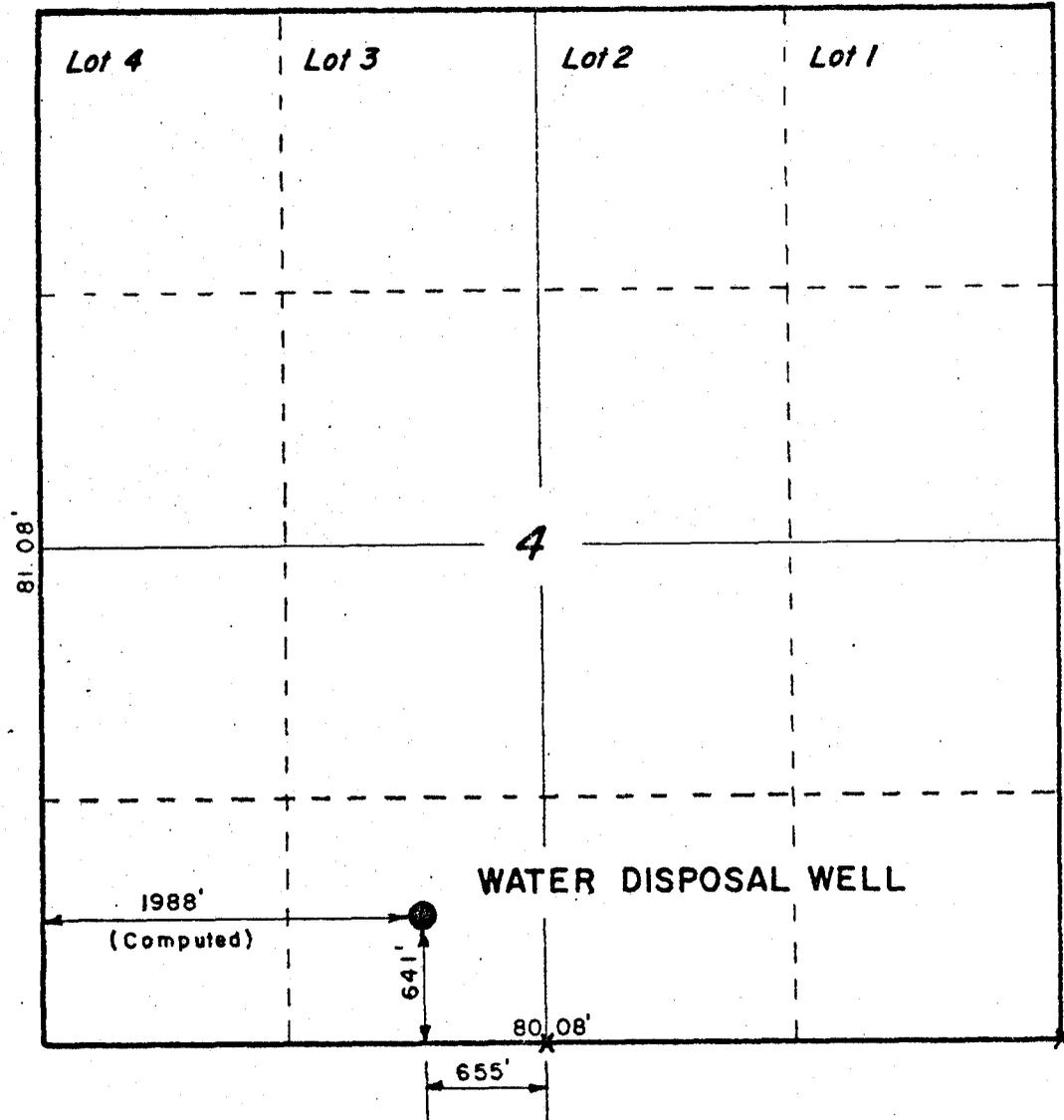
DIV. DRILLING SUPT.

T2S, R3W, U.S.B. & M.

PROJECT

SHELL OIL COMPANY

Water Disposal Well located as shown in the SE 1/4, SW 1/4, Section 4, T2S, R3W, U.S.B. & M. Duchense County, Utah.



X = Section Corners Located



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

*Gene Stewart*

REGISTERED LAND SURVEYOR  
REGISTRATION NO 3154  
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING  
P.O. BOX Q - 110 EAST - FIRST SOUTH  
VERNAL, UTAH - 84078

SCALE 1"=1000'	DATE Aug 19, 1974
PARTY D.A. R.R.	REFERENCES GLO Plat
WEATHER Hot	FILE Shell Oil Co.

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

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6. If Indian, Allottee or Tribe Name

1a. Type of Work

DRILL  DEEPEN  PLUG BACK

7. Unit Agreement Name

b. Type of Well

Oil Well  Gas Well  Other  SWD Well Single Zone  Multiple Zone

8. Farm or Lease Name

**G. Hanson**

2. Name of Operator

**Shell Oil Company**

9. Well No.

**2-4B3 SWD**

3. Address of Operator

**1700 Broadway, Denver, Colorado 80202**

10. Field and Pool, or Wildcat

**Altamont**

4. Location of Well (Report location clearly and in accordance with any State requirements.\*)  
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**1988' FWL and 641' FSL, SE/4 SW/4 Section 4**

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**SE/4 SW/4 Section 4-T2B-R3W**

At proposed prod. zone

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**Duchesne Utah**

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**Rotary**

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**6130 GL (estimated)**

22. Approx. date work will start\*

**9/15/74**

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24.

Signed T.S. Mize Title Division Operations Engineer Date 9/6/74  
(This space for Federal or State office use)

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

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

Conditions of approval, if any:

### DRILLING WELL PROGNOSIS

WELL NAME 2-4B3  
 TYPE WELL S.W.D.  
 FIELD/AREA Altamont

APPROX. LOCATION (SUBJECT TO SURVEY) SW<sup>1</sup>/<sub>4</sub> Section 4, T2S, R3W

EST. G. L. ELEVATION 6130 PROJECTED TD 5000 OBJECTIVE Duchesne River - Uinta

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				TD 5,000'	

ORIGINATOR: DMN DATE 8/19/74

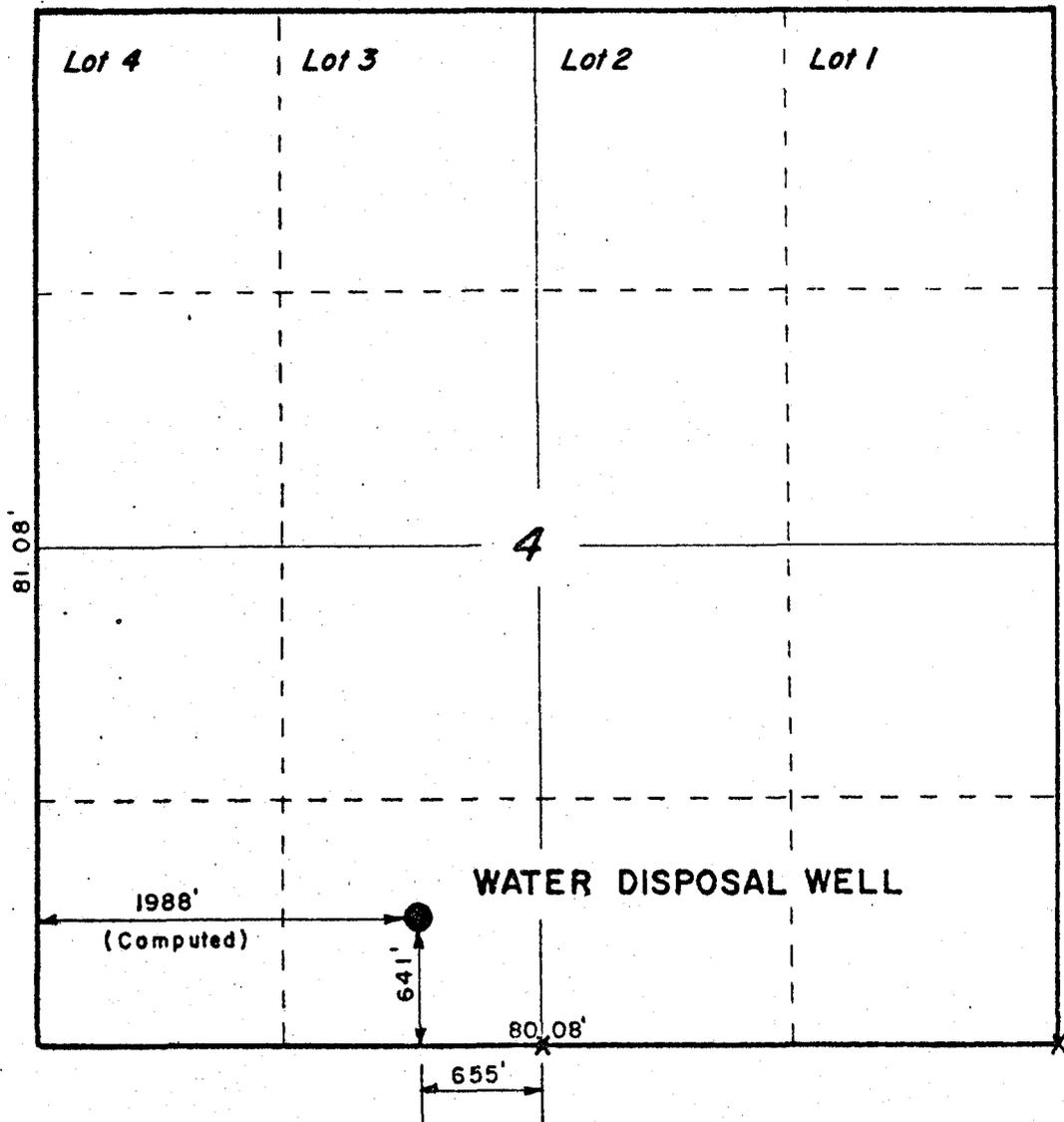
ENGINEERING APPROVAL:  
 PETROLEUM:  
 OPERATIONS: J.S. Meyer

OPERATIONS APPROVAL:  
D.L. Wartick  
 DIV. DRILLING SUPT.

T2S, R3W, U.S.B. & M.

PROJECT  
**SHELL OIL COMPANY**

Water Disposal Well located as shown  
 in the SE 1/4, SW 1/4, Section 4, T2S,  
 R3W, U.S.B. & M. Duchense County, Utah.



X=Section Corners Located



CERTIFICATE

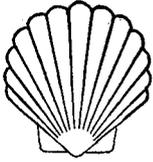
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*Gene Stewart*

REGISTERED LAND SURVEYOR  
 REGISTRATION NO 3154  
 STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING  
 P. O. BOX Q - 110 EAST - FIRST SOUTH  
 VERNAL, UTAH - 84078

SCALE 1"=1000'	DATE Aug 19, 1974
PARTY D.A. R.R.	REFERENCES GLO Plat
WEATHER Hot	FILE Shell Oil Co.



# SHELL OIL COMPANY

1700 BROADWAY  
DENVER, COLORADO 80202

September 5, 1974

Barber Oil Exploration, Inc.  
2627 Tenneco Building  
Houston, Texas 77001

Gentlemen:

Shell Oil Company has filed an application to dispose of salt water in the Altamont Field, Duchesne County, Utah, pursuant to Oil & Gas Conservation Rule C-11 - Procedure For Underground Disposal Water. A copy of this application has been forwarded to you under separate cover. Also, we have requested and received approval from the Director of the Oil & Gas Commission to proceed on the basis that our application will be approved administratively. Therefore, in an effort to expedite the drilling of the proposed salt water disposal well #2-4B3, we request that you sign this letter in the space provided below and return it to this office in the self-addressed stamped envelope. This would evidence your consent and waive any objection to our application to drill said well.

Your earliest consideration of this urgent request would be appreciated.

Very truly yours,

*J. A. Stangine*

In The Absence Of  
L. G. Roark  
Division Operations Manager  
Rocky Mountain Operations Office

*T. D. McCormick*  
BARBER OIL EXPLORATION, INC.

4

September 10, 1974

Shell Oil Company  
1700 Broadway  
Denver, Colorado 80202

Re: Salt Water Disposal Well  
No. 2-4B3  
Sec. 4, T. 2 S, R. 3 W, USM  
Duchesne County, Utah

Gentlemen:

Please be advised that as objections have been waived by the lessees of record within one-half mile of the proposed water disposal well, approval is hereby granted administratively under Rule C-11, General Rules and Regulations and Rules of Practice and Procedure, for the drilling of said well and the underground disposal of water produced with oil as set forth in your application dated August 26, 1974.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FEIGHT  
DIRECTOR

CBF:sw

cc: Chevron Oil Company  
Barber Oil Exploration Inc.

BEFORE THE BOARD OF OIL AND GAS CONSERVATION  
DEPARTMENT OF NATURAL RESOURCES  
in and for the STATE OF UTAH

IN THE MATTER OF THE APPLICATION OF SHELL )  
OIL COMPANY FOR ADMINISTRATIVE APPROVAL, )  
PURSUANT TO RULE C-11, AUTHORIZING THE )  
DRILLING OF AN INJECTION WELL AND THE )  
UNDERGROUND DISPOSAL OF WATER PRODUCED )  
WITH OIL FROM WELLS IN THE GREATER )  
ALTAMONT-BLUEBELL AREAS, DUCHESNE AND )  
UINTAH COUNTIES, UTAH )

APPLICATION

Applicant, SHELL OIL COMPANY, in support of this application, respectfully shows to the Board of Oil and Gas Conservation of the State of Utah, as follows:

1. Applicant is a Delaware corporation duly authorized to transact business in the State of Utah.
2. Applicant is an oil and gas operator in the greater Altamont-Bluebell areas, Duchesne and Uintah Counties, Utah.
3. There are many producing oil and gas wells in the greater Altamont-Bluebell areas and surrounding area which are producing in association with oil and gas, salt water, brackish water or other water unfit for domestic, livestock, irrigation or other general uses. Unless appropriate disposal is provided possible damage may occur to surface estates and potable surface waters.
4. Applicant proposes to dispose of such produced water by injection underground into the lower portion of the Duchesne River-Uinta formations underlying the proposed disposal well.
5. Applicant proposes to drill a salt water disposal well to be designated Well No. 2-4B3 and located 641 feet from the south line and 1988 feet from the west line of Section 4, Township 2 South, Range 3 West, U.S.B.&M., Duchesne County, Utah. The location of the proposed disposal well and all oil and gas wells, including abandoned and drilling wells and dry holes within the greater Altamont-Bluebell areas are shown and designated on Exhibit "A" attached hereto and by this reference made a part hereof. Also attached hereto and made a part hereof are Exhibits "A-1" and "A-2" showing and depicting, respectively, the detailed location of the proposed disposal Well No. 2-4B3 to be drilled, and the names of lessees of record within one-half mile of the proposed disposal well.

6. The Duchesne River-Uinta formations are predominantly clastic rocks including numerous sandstone containing waters and brines and occur from the surface to a depth of approximately 6,000 feet in the Shell-Rust No. 1-4B3 Well, which is the nearest producing oil well to the proposed disposal well.

7. Attached hereto and hereby made a part hereof as Exhibit "B" is a reproduction of the pertinent portion of the log of the Shell-Rust 1-4B3 Well, which is submitted as typical and in lieu of a log of the proposed disposal well to be drilled.

8. Attached hereto and hereby made a part hereof as Exhibit "C" is a prognosis of Well No. 2-4B3 to be drilled which describes and depicts the proposed casing and cementing program for such well. Applicant proposes to pressure test casing prior to injection and precautions will be taken to protect oil, gas and fresh water resources.

9. Water to be disposed of is that which is produced with oil from the Green River-Wasatch formations beneath oil and gas wells in the greater Altamont-Bluebell areas. Injection is proposed through said Well No. 2-4B3 at subsurface intervals ranging approximately from 3,000 to 4,600 feet, at an estimated minimum amount of 200 barrels of water per day increasing to an estimated maximum amount of 5,000 barrels per day due to additional wells and normal water cut increase. Applicant believes the Duchesne River-Uinta formations will adequately take and receive the estimated maximum volumes of produced water.

10. Applicant applied for and received approval from the Board for water disposal Well No. 1-27A4 located in the Southwest Quarter of Section 27, Township 1 North, Range 4 West, approximately five miles northwest of the proposed disposal well. Based upon analyses made by Applicant and the Division of formation water taken from Well No. 1-27A4 at the equivalent stratigraphic intervals proposed herein, Applicant believes that produced water to be disposed of and formation water in the Duchesne River-Uinta formations at the proposed injection intervals are both unfit for domestic, livestock, irrigation or other general uses. However, as in the case of Well No. 1-27A4, Applicant will take two samples of formation water by production swab tests, one from the subsurface interval from 3,000 to 3,300 feet and the other test will be taken below 3,300 feet over an interval to be selected by Applicant. Applicant will notify the

Director, Division of Oil and Gas Conservation, prior to taking such samples and conducting such tests in order that the Director or his staff may witness the tests and take independent samples.

11. Applicant proposes to provide continuous monitoring of the salt water disposal well as to the volume of fluids injected and injection pressures, and such information will be recorded or logged.

12. Names of lessees of record within one-half mile of the proposed disposal well are shown on Exhibit "A-2", and the names and addresses of such lessees and those notified by registered mail of the filing of this application are shown on Exhibit "D" attached hereto and hereby made a part hereof.

WHEREFORE, Applicant respectfully requests that the Board of Oil and Gas Conservation, pursuant to Rule C-11, approve administratively the drilling of the disposal well and the underground disposal of water produced with oil all as more fully set forth herein.

Dated this 26th day of August, 1974.

Respectfully submitted,

SHELL OIL COMPANY

By J. D. Loren  
J. D. Loren  
Division Engineering Manager  
Western Division  
Post Office Box 576  
Houston, Texas 77001

STATE OF TEXAS

COUNTY OF HARRIS

J. D. Loren, being first duly sworn on oath, deposes and says that he is Division Engineering Manager for the Western Division of Shell Oil Company; that he has read the foregoing application and knows the contents thereof; and that the matters and things therein stated are true.

J. D. Loren

Subscribed and sworn to before me this 26th day of August, 1974.

My Commission Expires:

June 1, 1975

W. H. G. G. G.  
Notary Public  
In and for Harris County, Texas





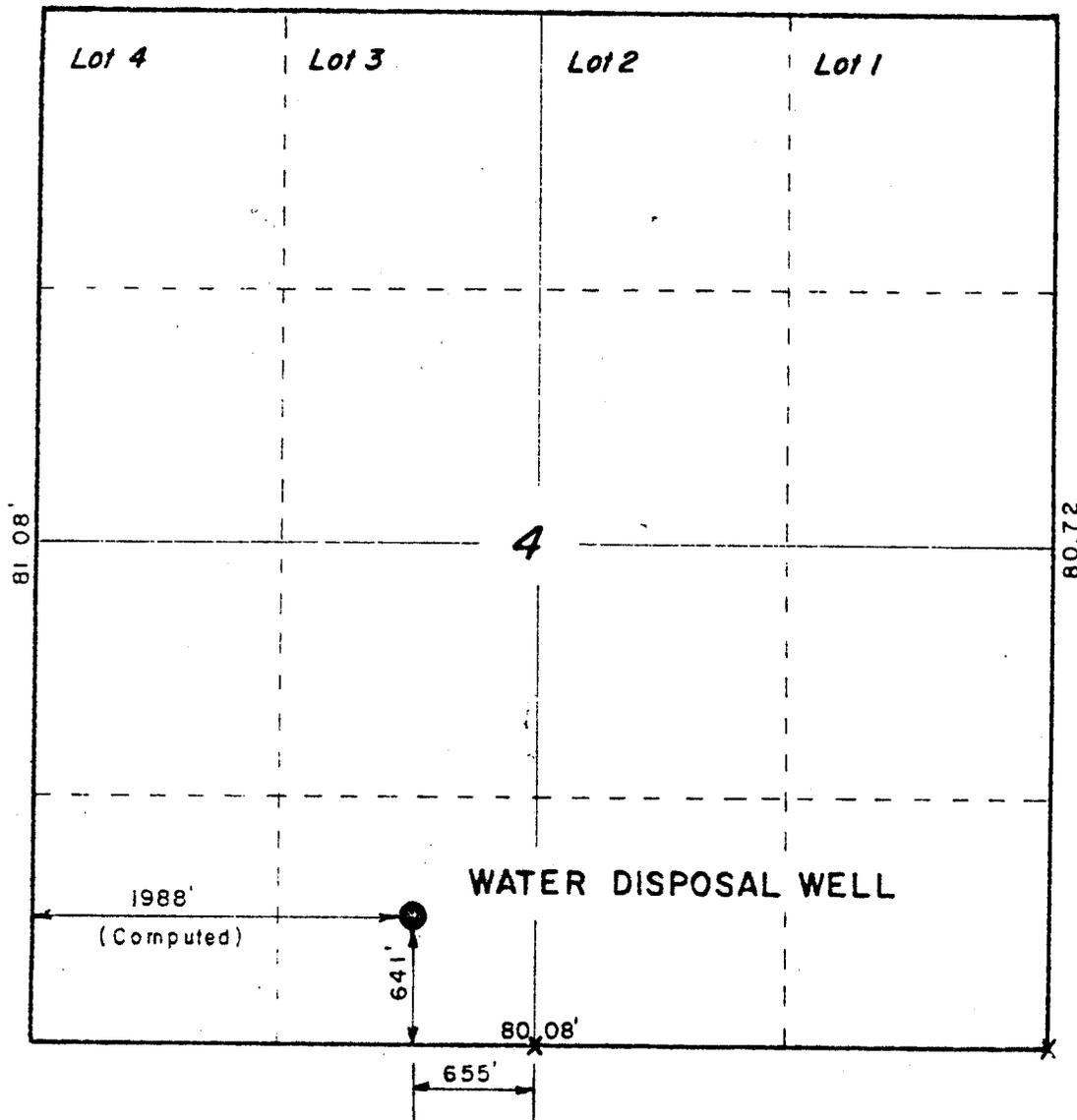
T2S, R3W, U.S.B. & M.

PROJECT

SHELL OIL COMPANY

Water Disposal Well located as shown  
in the SE 1/4, SW 1/4, Section 4, T2S,  
R3W, U.S.B. & M. Duchense County, Utah.

EXHIBIT "A-1"



X = Section Corners Located



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM  
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY  
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE  
BEST OF MY KNOWLEDGE AND BELIEF.

*Alan Stewart*

REGISTERED LAND SURVEYOR  
REGISTRATION NO 3154  
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING  
P.O. BOX Q - 110 EAST - FIRST SOUTH  
VERNAL, UTAH - 84078

SCALE	1"=1000'	DATE	Aug 19, 1974
PARTY	D.A. R.R.	REFERENCES	GLO Plat
WEATHER	Hot	FILE	Shell Oil Co.



2 T 14 PF

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

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

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

2. NAME OF OPERATOR  
Shell Oil Company

3. ADDRESS OF OPERATOR  
1700 Broadway, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 1988' FWL and 641' FSL Section 4  
At top prod. interval reported below  
At total depth

14. PERMIT NO. 43-013-30337 DATE ISSUED 9/9/74

5. LEASE DESIGNATION AND SERIAL NO. Patented  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
7. UNIT AGREEMENT NAME  
8. FARM OR LEASE NAME G. Hanson  
9. WELL NO. 2-4B3 SWD  
10. FIELD AND POOL, OR WILDCAT Altamont  
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA SE/4 SW/4 Section 4-T2S-R3W  
12. COUNTY OR PARISH Duchesne 13. STATE Utah

15. DATE SPUNDED 9/17/74 16. DATE T.D. REACHED 9/23/74 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 6130 GL, 6157 KB 19. ELEV. CASINGHEAD 25.08

20. TOTAL DEPTH, MD & TVD 4165 21. PLUG, BACK T.D., MD & TVD 4078 22. IF MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY → ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* \*\* 25. WAS DIRECTIONAL SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN 27. WAS WELL CORED

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
**					

29. LINER RECORD 30. TUBING RECORD

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

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.\* PRODUCTION

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

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

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

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

35. LIST OF ATTACHMENTS

\*\*Well History and Csg & Cmtg Details

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED J.W. Linnell TITLE Division Operations Engr. DATE 4/14/75

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

Shell-G. Hanson 2-4B3 SWD  
(SWD)  
4165' Duchesne River-  
Uinta Test  
KB 6157', GL 6130'  
7" csg @ 4165'

TD 4165. RDRT. Finished running csg and washed 50' to btm. Ran 100 jts 7", 26# K-55 LT&C w/shoe at 4165.04', collar at 4120.30', landing baffle at 4077.62', DV at 2410.18'. Circ btms up and cmtd 1st stage w/1060 cu ft Class "G" w/3% gel, 2% CaCl2 and 1% D-31. CIP at 12:40 PM. Plug bumped OK. Opened DV and circ out approx 75 bbls cmt. Cmtd 2nd stage w/1500 cu ft B-J Lite. Tailed in w/50 sx Class "G". Circ approx 40 bbls to sfc. CIP at 7:30 PM. DV closed OK. Nippled down and set slips. Welded on cap. Released rig at 11 PM, 9/23/74. (Reports discontinued until further activity.)

SEP 24 1974

Shell-G. Hanson 2-4B3 SWD  
(SWD)  
4165' Duchesne River-  
Uinta Test  
KB 6157', GL 6130'  
7" csg @ 4165'

TD 4165. (RRD 9/24/74). MICR.

NOV 14 1974

Shell-G. Hanson 2-4B3 SWD  
(SWD) Western Oilwell  
4165' Duchesne River-  
Uinta Test  
KB 6157', GL 6130'  
7" csg @ 4165'

TD 4165. Prep to CO. MI&RU Western Oilwell rig #17 on 11/14/74.

NOV 15 1974

Shell-G. Hanson 2-4B3 SWD  
(SWD) Western Oilwell  
4165' Duchesne River-  
Uinta Test  
KB 6157', GL 6130'  
7" csg @ 4165'

TD 4165. PB 4078.  
11/16: Prep to pull tbg. Picked up tbg and ran in to DV collar at 2410. Drld up 38' of cmt above DV and drld through DV. Ran to btm and drld 45' of cmt above landing baffle to 4078. Displaced hole w/FW.  
11/17: Prep to perf. Pulled tbg, collars and bit. RU OWP and ran CBL and DVL from 1500'-PBD and PDC-CCL from PBD to 2500'. Bond excellent from 2400 to PBD and spotty above 2400' to 1500'. RD OWP. Press tested csg to 1500 psi, OK. Ran tbg and swbd well down to 2600'.  
11/18: Rid SD on Sunday, prep to perf.

NOV 18 1974

Shell-G. Hanson 2-4B3 SWD  
(SWD) Western Oilwell  
4165' Duchesne River-  
Uinta Test  
KB 6157', GL 6130'  
7" csg @ 4165'

TD 4165. PB 4078. Swabbing. MI&RU OWP to perf 7" csg w/1 jet/ft using 4" OD carrier gun w/19-gr charges w/0.53" penetration. Perforated as follows:

Run No.	FL	Perfs	Run No.	FL	Perfs
1	1975'	3828-3836 3807-3816	6	1850'	3174-3178 3183-3191
2	1975'	3701-3707 3601-3606	7	1850'	3104-3108 3113-3117
3	1975'	3428-3431 3521-3535	8	1750'	3218-3225 3014-3020
4	1950'	3278-3292 3000-3005	9	1650'	3032-3036 3086-3100
5	1890'	3225-3247	10	1600'	3055-3075

Perf'd total of 157 holes. RD&MO OWP. Set Baker RBP at 3360 and ret pkr at 2920. Started swab testing through Group A and B perf'd interval 3000-3292.

NOV 19 1974

Shell-G. Hanson 2-4B3 SWD  
(SWD) Western Oilwell  
4165' Duchesne River-  
Uinta Test  
KB 6157', GL 6130'  
7" csg @ 4165'

TD 4165. PB 4078. Prep to swab. Swbd Group A and B perf'd interval 3000-3292, rec'g 152 BW. Salinity test stabilized at 53,000 ppm. Representative from Utah Oil and Gas Commission okayed test and caught samples. Released pkr and RBP. Reset RBP at 3919 and pkr at 3355, straddling Group C perfs 3428-3836 and started swbg. Tbg swbd dry. No fluid entry in 3 hrs. Filled tbg w/wtr and attempted to pump into perfs. Press'd to 1500 psi bleeding back to 600 psi 3 times. Pmpd wtr at 1/4 B/M rate at 1500 psi. Swbd tbg dry to pkr. Placed 500 gal 15% HCl in tbg and displaced tbg vol w/wtr. Finished displacing tbg at 3-4 B/M rate at 1300 psi.

NOV 20 1974

Shell-G. Hanson 2-4B3 SWD  
(SWD) Western Oilwell  
4165' Duchesne River-  
Uinta Test  
KB 6157', GL 6130'  
7" csg @ 4165'

TD 4165. PB 4078. Prep to inj test Group B perfs. Pmpd 10 BW down tbg at 4 to 4.5 B/M rate at 1200 psi. RU swab and swbd 29 bbls. Had 42 bbls load. Tbg swbd dry. MI&RU BJ Service and ran inj test on Group C perfs 3428-3836 w/RBP at 3919, pkr at 3355 and tail to 3359. In 5-min test period, rate 0.5 B/M at 1200 psi, 1 B/M at 1250 psi, 1.5 B/M at 1375 psi, 2 B/M at 1400 psi, 2.5 B/M at 1500 psi, 3 B/M at 1600 psi. Acdzd w/ 4500 gal 15% HCl containing 1 gal C15 and 1 gal SA10 per 1000 gal acid. Dropped two 7/8" RCN ball sealers in each 100 gal acid. Max press 1900 psi, avg 1700 psi, min 1600 psi. Max rate 4 B/M, avg 3 B/M, min 2 B/M. Flushed w/38 bbls prod wtr. No ball action indicated. ISIP 1600 psi and remaining at 1600 psi in 5 min. Opened well to tank and flwd back 145 bbls flush and acid wtr.

NOV 21 1974

Shell-G. Hanson 2-4B3 SWD  
(SWD) Western Oilwell  
4165' Duchesne River-  
Uinta Test  
KB 6157', GL 6130'  
7" csg @ 4165'

TD 4165. PB 4078. Swabbing. Released pkr and ran in hole washing sd and RCN ball sealers off top of RBP. Released BP and reset RBP at 3360. Set pkr and tested BP to 1500 psi, OK. Released pkr and reset at 3137 w/tail at 3140. Inj into Group B perf'd interval 3174-3292 w/prod wtr at 1/2 B/M for 5 min at 1300 psi, at 1 B/M for 5 min at 1350 psi, at 1.5 B/M for 5 min at 1400 psi, at 2 B/M for 5 min at 1450 psi, at 2.2 B/M for 5 min at 1500 psi, at 3 B/M at 1600 psi. Acdzd w/5000 gal 15% HCl w/two RCN ball sealers every 100 gal acid. Acid contained 1 gal C15 and 1 gal SA-10 per 1000 gal. With 124 bbls acid pmpd, Group B perfs communicated w/Group A perfs. SI annulus and pmpd last 6 bbls and 33 bbls prod wtr flush. Max press 1800 psi, avg 1700 psi, min 1100 psi. Max rate 3-3/4 B/M, avg 3 B/M, min 2 B/M. Final pmpg press 1100 psi. ISIP 900 psi decr to 800 psi in 5 min. Released pkr and reset at 2967 w/tail at 2970. Acdzd  
(Continued)

NOV 22 1974

Shell-G. Hanson 2-4B3 SWD

(Continued)

Group A and B perf'd interval 3000-3292 w/5700 gal 15% HCl containing 1 gal Cl5 and 1 gal SA-10 per 1000 gal acid. Dropped two 7/8" RCN ball sealers every bbl acid (228 ball sealers total). Max press 1200 psi, avg 1150 psi, min 1100 psi. Max, min and avg rate 3.5 B/M. ISIP 1050 psi decr to 950 psi in 5 min to 800 psi in 10 min to 700 psi in 15 min to 650 psi in 20 min. Opened well and flwd to pit 15 min. Released pkr and ran down and washed ball sealers from top of RBP. Released RBP and reset at 3919. Pulled 1 jt tbg and swbd well - pkr not seated.

NOV 22 1974

Shell-G. Hanson 2-4B3 SWD (SWD)

4165' Duchesne River-Uinta Test  
KB 6157', GL 6130'  
7" csg @ 4165'

TD 4165. PB 4078. SI.

11/23: Swbd total of 238 bbls (est load 200 bbls). Caught five gallon samples on last three swab runs. Ran in and released RBP and pulled out, laying down 2-7/8" .tbg work string, pkr and RBP. Closed blind rams on BOP. Ran inj tests as follows:

750 psi		1000 psi	
Min	BW Inj	Min	BW Inj
0-15	25.0	0-15	59.4
15-30	15.3	15-30	34.8
30-45	9.6	30-45	57.6
45-60	9.6	45-60	53.8

11/24: SI. Picked up tbg work string and 7" pkr. Set pkr at 2966. Tested csg to 3500 psi for 30 min, OK. Released pkr and pulled out, laying down work string. Released rig 11/23/74. (Reports discontinued until further activity.)

NOV 25 1974

Shell-G. Hanson 2-4B3 SWD (SWD)

4165' Duchesne River-Uinta Test  
KB 6157', GL 6130'  
7" csg @ 4165'

TD 4165. PB 4078. (RRD 11/25/74).

11/30: Running inj test. RU Dresser-Atlas and perf'd the following intervals unidirectionally w/1 jet every 9" using decentralized 4" OD Dresser jumbo jet csg carrier gun. Depths refer to OWP CBL-PDC log dated 11/16/74. Perf'd following shots in 8 runs (4 extra runs due to gun malfunction and collar locator malfunction): 3000-3005 (5 holes), 3016-3022 (7 holes), 3032-3036 (5 holes), 3057-3077 (20 holes), 3086-3100 (15 holes), 3104-3108 (5 holes), 3113-3117 (5 holes), 3174-3178 (5 holes), 3183-3191 (9 holes), 3218-3247 (31 holes), 3278-3292 (15 holes), 3428-3431 (4 holes), 3521-3535 (15 holes), 3601-3606 (6 holes), 3701-3707 (7 holes), 3807-3816 (10 holes), 3828-3836 (9 holes). RD Dresser-Atlas.

12/1: Prep to AT. Ran inj tests as follows:

750 psi		850 psi		1000 psi	
Min.	BW	Min.	BW	Min.	BW
15	21.6	15	33.0	15	75.0
30	43.2	30	66.0	30	150.0
45	64.8	45	99.0	40	200.0
60	86.4	60	132.0	Ran out of wtr	

SI well. ISIP 875 psi decr to 850 psi in 5 and 10 min, to 775 psi in 20 min. Inj 30 BW at 1000 psi in 5 min and 60 BW in 10 min. Total inj 479 bbls.

12/2: Prep to AT. Rig SD on Sunday.

DEC 2 - 1974

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4078. SI, prep to sd frac on 12/5. CP  
 (SWD) on 12/2, 30 psi. MI&RU BJ and AT gross perfs 3000-3836  
 4165' Duchesne River- w/13,230 gal 15% HCl w/each 1000 gal containing 3 gal  
 Uinta Test C-15, 3 gal J-22, 30# OS-160 Wide Range Unibeads, 30#  
 KB 6157', GL 6130' OS-160 Button Unibeads. Pmpd trtmt down csg as follows:  
 7" csg @ 4165' Pmpd 1 bbl acid, pmpd two 7/8" RCN ball sealers w/1.24  
 gr, pmpd 1 bbl acid. Repeated two ball sealers and one  
 bbl acid 313 times. Flushed w/6140 gal wtr w/each 1000  
 gal containing 165# NaCl. Max press 2400 psi, avg 2000  
 psi, min 1100 psi. Max rate 15.5 B/M, avg and min rates  
 15 B/M. Several 100 psi breaks. Did not ball out. ISIP  
 1250 psi and remaining at 1250 psi in 5 min, to 1200 psi  
 in 10 min. Flwd back 50 bbls. Press down to 100 psi.  
 SI 1 hr w/700 psi. Pmpd second flush at 1300 psi at 15  
 B/M. ISIP 1100 psi and remaining at 1100 psi in 5 min to  
 1050 psi in 10 min, to 1000 psi in 15 min. RD BJ. DEC 3 - 1974

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4078. SI. RU pump truck and ran inj rates  
 (SWD) as follows: TP at start 100 psi.  
 4165' Duchesne River- 

B/M Rate	Time-Min	Psi	B/M Rate	Time-Min	Psi
0.3	15	400	4.0	15	950
0.67	15	600	6.0	10	1000
0.9	15	750	8.0	10	1050
2.0	15	825			

  
 Uinta Test  
 KB 6157', GL 6130'  
 7" csg @ 4165'  
 SIP after 5 min 1000 psi. Pmpd total of 257 bbls. RD  
 pump truck. DEC 4 - 1974

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4078. SI. DEC 5 - 1974  
 (SWD)  
 4165' Duchesne River-  
 Uinta Test  
 KB 6157', GL 6130'  
 7" csg @ 4165'

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4078. SI. DEC 6 - 1974  
 (SWD)  
 4165' Duchesne River-  
 Uinta Test  
 KB 6157', GL 6130'  
 7" csg @ 4165'

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4078. SI. DEC 9 - 1974  
 (SWD)  
 4165' Duchesne River-  
 Uinta Test  
 KB 6157', GL 6130'  
 7" csg @ 4165'

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4078. Injecting.  
(SWD) 1/23: Inj 1706 BW at 1310 psi in 24 hrs. Cum inj  
4165' Duchesne River- 37,362 BW.  
Uinta Test 1/24: Inj 1615 BW at 1310 psi in 24 hrs. Cum inj  
KB 6157', GL 6130' 38,977 BW.  
7" csg @ 4165' 1/25: Inj 1635 BW at 1310 psi in 24 hrs. Cum inj JAN 27 1975  
40,612 BW.

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4078. Injecting. Inj est 1600 BW in 24  
(SWD) hrs at 1310 psi (meter failure). Cum inj 42,212 BW.  
4165' Duchesne River-  
Uinta Test JAN 28 1975  
KB 6157', GL 6130'  
7" csg @ 4165'

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4078. Prep to perf. MI&RU Newsco coiled  
(SWD) tbg unit and ran to 3840. Sptd 2215 gal 15% acetic acid. RD Newsco. JAN 29 1975  
4165' Duchesne River-  
Uinta Test  
KB 6157', GL 6130'  
7" csg @ 4165'

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4078. Prep to frac treat. RU OWP and  
(SWD) reperf'd 7" csg unidirectionally using top, middle and  
4165' Duchesne River- btm magnetically decentralized 2" steel tube carrier  
Uinta Test gun w/Harrison RT 6.2 gr charge jets per ft at the  
KB 6157', GL 6130' following intervals. Depths refer to OWP Acoustic Cement  
7" csg @ 4165' Bond GR log dated 11/16/74. Perf'd 3000-05, 3016-22,  
3032-36, 3057-77, 3086-3100, 3104-08, 3113-17, 3138-47,  
3174-78, 3183-91, 3218-47, 3278-92, 3428-31, 3521-35,  
3601-06, 3701-07, 3807-16, 3828-36. Perf'd total of JAN 30 1975  
166 holes. RD OWP.

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4078. SI. MI&RU BJ and frac trtd gross  
(SWD) perf'd interval 3000-3836 w/40,000 gal Amberfrac 20  
4165' Duchesne River- gel, 115,200# 20-40 mesh sd and 420 ball sealers as  
Uinta Test follows in eight 5000-gal stages: Stage #1: pmpd 1400  
KB 6157', GL 6130' gal BJ Amberfrac 20 gel pad, pmpd 1200 gal BJ Amberfrac  
7" csg @ 4165' 20 gel containing 2#/gal 20-40 mesh sd, pmpd 1200 gal BJ  
Amberfrac 20 gel containing 4#/gal 20-40 mesh sd, pmpd  
1200 gal BJ Amberfrac 20 gel containing 8#/gal 20-40  
mesh sd. Dropped sixty 7/8" RCN ball sealers in last  
200 gal and in first 200 gal of second stage. Repeated  
stage #1 seven times except did not drop balls in final  
stage. Flushed w/2215 gal FW containing 165# NaCl/1000  
gal. RD BJ. ISIP 1400 psi, decr to 1200 psi in 5, 10  
and 15 min. Max rate 8.5 B/M, min 7.5 B/M, avg 8 B/M.  
Max trtg press 2000 psi, min 1900 psi, avg 2000 psi.

JAN 31 1975

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4078. SD.  
(SWD)  
4165' Duchesne River-  
Uinta Test  
KB 6157', GL 6130'  
7" csg @ 4165'

MAR 11 1975

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4078. SD.  
(SWD)  
4165' Duchesne River-  
Uinta Test  
KB 6157', GL 6130'  
7" csg @ 4165'

MAR 12 1975

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4078. Injecting. SWD WELL COMPLETE. On  
(SWD) 24-hr test 3/8/74 inj'd 1606 BW @ 1365-1390 psi inj press  
4165' Duchesne River- into Duchesne River-Uinta gross perfs 3000-3836.  
Uinta Test FINAL REPORT  
KB 6157', GL 6130'  
7" csg @ 4165'

MAR 13 1975

### CASING AND CEMENTING

Field Altamont Well Hanson 2-4B3 SWD  
 Job: 9-5/8 " O.D. Casing/Liner. Ran to 318 feet (KB) on 9/18/, 1974

Jts.	Wt.	Grade	Thread	New	Feet	From KB	To CHF
7	40#	K-55	ST&C	New	289.16		
			From well flange to KB		25.08		
			Well flange		2.29		
			Howco Guide Shoe		<u>2.00</u>		
					<u>318.53</u>		

**Casing Hardware:**

Float shoe and collar type Howco Plain Guide Shoe (weld on)  
 Centralizer type and product number Howco  
 Centralizers installed on the following joints Shoe 2 - 4  
 Other equipment (liner hanger, D.V. collar, etc.) \_\_\_\_\_

**Cement Volume:**

Caliper type \_\_\_\_\_ . Caliper volume \_\_\_\_\_ ft<sup>3</sup> + excess over caliper  
 \_\_\_\_\_ ft<sup>3</sup> + float collar to shoe volume \_\_\_\_\_ ft<sup>3</sup> + liner lap \_\_\_\_\_ ft<sup>3</sup>  
 + cement above liner \_\_\_\_\_ ft<sup>3</sup> = \_\_\_\_\_ ft<sup>3</sup> (Total Volume).

**Cement:**

Preflush—Water \_\_\_\_\_ bbls, other \_\_\_\_\_ Volume \_\_\_\_\_ bbls  
 First stage, type and additives \_\_\_\_\_ . Weight \_\_\_\_\_ lbs/gal, yield \_\_\_\_\_  
 ft<sup>3</sup>/sk, volume 200 sx. Pumpability 4 hours at 60 °F.  
 Second stage, type and additives 3% CaCl2 . Weight \_\_\_\_\_ lbs/gal, yield \_\_\_\_\_  
 ft<sup>3</sup>/sk, volume \_\_\_\_\_ sx. Pumpability \_\_\_\_\_ hours at \_\_\_\_\_ °F.

**Cementing Procedure:**

Rotate/reciprocate \_\_\_\_\_  
 Displacement rate \_\_\_\_\_  
 Percent returns during job \_\_\_\_\_  
 Bumped plug at \_\_\_\_\_ AM/PM with \_\_\_\_\_ psi. Bled back \_\_\_\_\_ bbls. Hung csg  
 with \_\_\_\_\_ lbs on slips.

**Remarks:**

Set 1 hr before backing off top jt to screw 9-5/8 x 10-3/4 swage w/wellhead screw on.

Drilling Foreman K. Crawford  
 Date 9/18/74

CASING AND CEMENTING

Field Altamont Well Hanson 2-4B3 SWD  
Job: 7 " O.D. Casing/Liner. Ran to 4165 feet (KB) on 9/23/ 1974

Jts.	Wt.	Grade	Thread	New	Feet	From	To
					25.08	KB	CHF
57	26#	K-55	LT&C	New	2,385.05	CHF	2,410.13
Howco DV Multi-Stage Cementer					2.96	2,410.13	2,413.09
40	26#	K-55	LT&C	New	1,664.53	2,413.09	4,077.62
Howco Plug Landing Baffle					-	-	-
1	26#	K-55	LT&C	New	42.68	4,077.62	4,120.30
Howco Diff Fill Float Collar					1.94	4,120.30	4,122.24
1	26#	K-55	LT&C	New	40.34	4,122.24	4,162.58
Howco Diff Fill Float Shoe					2.46	4,162.58	4,165.04

Casing Hardware:

Float shoe and collar type Howco Diff Fill Collar & Shoe  
Centralizer type and product number Dowell hinged type  
Centralizers installed on the following joints 6' above shoe, #4, #7, #10, #13, #16, #19, #22, #25, #28, #31, #34, #37, #39, #43 & above & below DV tool.  
Other equipment (liner hanger, D.V. collar, etc.) Howco DV tool, two Weatherford metal pedal baskets below DV @ 2426' & 2446' approx.

Cement Volume:

1st stage 883  
Caliper type BHC Sonic Caliper volume 2nd 1347 ft<sup>3</sup> + excess over caliper  
20% ~~ft<sup>3</sup>~~ + float collar to shoe volume \_\_\_\_\_ ft<sup>3</sup> + liner lap \_\_\_\_\_ ft<sup>3</sup>  
+ cement above liner \_\_\_\_\_ ft<sup>3</sup> = 1st 1060 ft<sup>3</sup> (Total Volume).  
2nd 1500

Cement:

Preflush-Water 20 bbls, other BJ Lite Volume 50 sx ~~xxx~~ mixed @ 10#/gallon  
First stage, type and additives Class "G" w/3% gel, 1% D-31 & 2% CaCl2  
Weight 14.5 lbs/gal, yield 1.50  
ft<sup>3</sup>/sk, volume 706 sx. Pumpability 4:26 hours at 98 °F. BHST  
Second stage, type and additives BJ Lite w/a 50 sx Class "G" tail around DV collar  
Weight 12.4 lbs/gal, yield 3.04  
ft<sup>3</sup>/sk, volume 493 ~~50~~ "G" sx. Pumpability 4+ hours at 75 °F. "G" 15.9 "G" 1.14

Cementing Procedure:

Rotate/reciprocate Reciprocate through entire 1st stage  
Displacement rate 9-1/2 to 10 BPM both stages  
Percent returns during job 100%  
Bumped plug at 12:40 ~~xxx~~ PPM with 1500 psi. Bled back 1 bbls. Hung csg with 75,000 lbs on slips.

Remarks:

1st stage displaced w/lime wtr. Opened DV @ 1:00 p.m. Circ out approx 75 bbls cmt. Circ w/mud, full returns.  
2nd stage full returns throughout. Pmpd plug down w/lime wtr. Overdisplaced by 2-1/4 bbls to close DV. Closed DV w/2000 psi, floats held ok. DV held ok also. 2nd stage CIP @ 7:30 p.m. 9/23/74. Got approx 30 bbls cmt back to surface on 2nd stage.

Drilling Foreman J. N. Carlson  
Date 9/25/74

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4078. SI.  
(SWD)

DEC 10 1974

4165' Duchesne River-  
Uinta Test  
KB 6157', GL 6130'  
7" csg @ 4165'

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4078. SI. (Reports discontinued until  
(SWD) further activity.)

DEC 11 1974

4165' Duchesne River-  
Uinta Test  
KB 6157', GL 6130'  
7" csg @ 4165'

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4078. (RRD 12/11/74). SI. MI&RU OWP  
(SWD) 12/17/74. Set Baker Model "D" pkr w/flapper w/top at  
4165' Duchesne River- 2900'. RD OWP.

DEC 18 1974

Uinta Test  
KB 6157', GL 6130'  
7" csg @ 4165'

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4078. SI. (Reports discontinued until  
(SWD) further activity.)

DEC 18 1974

4165' Duchesne River-  
Uinta Test  
KB 6157', GL 6130'  
7" csg @ 4165'

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4078. (RRD 12/19/74).  
(SWD)

4165' Duchesne River-  
Uinta Test  
KB 6157', GL 6130'  
7" csg @ 4165'

12/22: SI. MI&RU Western Oilwell Service Company rig #17 on 12/21/74. Ran eqmt as follows: Baker Model "C" plug holder w/Model "B" pushout plug at 2914, 10' x 2-7/8" NU nonperf'd prod tube, Baker anchor seal assembly w/two seal units, Baker "EL" on-off connector w/Otis "N" nipple profile w/2.313" seal bore w/2.255" no-go w/top at 2894, 2-7/8" x 6' tbg sub w/7" centralizer, 9 jts EUE 8rd K-55 tbg, two 2' subs, one 6' and 10' subs. All tbg IPC w/ABC cplgs. Trees and packing assembly coated. Landed tbg, unlatched from on-off connector and circ csg w/fresh trtd wtr. Landed tbg w/1000# setdown wt. Installed Xmas tree. Released rig 12/21/74. RU slick line and knocked out Baker plug, following to PBSD. RD slick line.  
12/23: Prep to inject.

DEC 23 1974

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4078. Injecting. (Injection to be reported at later date.)

DEC 24 1974

4165' Duchesne River-  
Uinta Test  
KB 6157', GL 6130'  
7" csg @ 4165'

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4078. Injecting. (Injection data to be reported later.)

DEC 26 1974

4165' Duchesne River-  
Uinta Test  
KB 6157', GL 6130'  
7" csg @ 4165'

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4078.  
(SWD)

4165' Duchesne River-  
Uinta Test  
KB 6157', GL 6130'  
7" csg @ 4165'

12/24: Checked out pump and placed in operation. Pmpd 21 BW at 650 psi in 1 hr. Incr press to 750 psi and pmpd 344 BW in 10 hrs.

12/25: Ran inj tests (surge tank gauges) as follows:

Time (min)	Volume (bbls)	Press (psi)	Rate (B/M)
15	20	1000	1.34
15	15	950	1.0
15	8.35	900	0.56
15	8.34	800	0.22
15	2.5	750	0.17
15	1.67	700	0.11
15	0	600	0

Started inj at 950 psi. Inj est 1200 BW in 20 hrs at 950 psi. Meter failed.

12/26: Inj est 1450 BW in 24 hrs at 950 psi. Cum inj to date approx 2701 BW.

12/27: Checked out all press rates w/new gauges, OK. SD and checked PBTd w/WL at 4065' (13' of fill). SITP 650 psi after 4 hrs. Connected well to pit and flwd back as follows:

Time (min)	Press (psi)	Chk	Remarks
15	125	32/64"	Cln wtr - full 2" stream
10	100	64/64"	Elk wtr - full 2" stream
35	0-50	64/64"	Cln wtr - full 2" stream

SI well. SITP after 5 min 300 psi. Started inj at 950 psi. Pmpd 85 BW at 1 B/M at 950 psi. SD. SITP after 13 hrs 325 psi. Cum inj to date 2786 BW.

Note: Rec'd considerable blk particles during flowback but little or no traces of formation or Unibeads.

DEC 27 1974

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4078. No report.  
(SWD)

DEC 30 1974

4165' Duchesne River-  
Uinta Test  
KB 6157', GL 6130'  
7" csg @ 4165'

Shell-G. Hanson 2-4B3 SWD  
(SWD)  
4165' Duchesne River-  
Uinta Test  
KB 6157', GL 6130'  
7" csg @ 4165'

TD 4165. PB 4078.

12/28: Injecting. Started up system. Inj 200 BW in 5 hrs at 1050 psi, operating OK. Inj 150 BW in next 19 hrs at 1050-1100 psi. (Metered volumes at slow rates.)

12/29: Injecting. Inj 92 BW in 19 hrs at 1100 psi. (Metered volumes at slow rates.)

12/30: Injecting. Inj 61 BW in 22 hrs at 1100 psi. (Metered volumes at slow rates.)

12/31: Prep to start inj at 1200 psi. Incr inj press to 1150 psi. Inj 68 BW in 1 hr at 1150 psi. Decr press to 1100 psi and inj 3.4 BW in 15 min. SD. SITP after 4 hrs 925 psi. Opened well to pit and flwd back 30 min, rec'g some blk water after 15 min but clnd up. SI. SITP after 5 min 550 psi, after 15 min 650 psi, after 45 min 740 psi, after 13 hrs 720 psi. Cum inj to date 2786 BW.

DEC 31 1974

Shell-G. Hanson 2-4B3 SWD  
(SWD)  
4165' Duchesne River-  
Uinta Test  
KB 6157', GL 6130'  
7" csg @ 4165'

TD 4165. PB 4078.

1/1: Injecting. Inj 1533 BW at 1195 psi in 18 hrs pmpg time. Pump down 6 hrs due to wtr load and pump cycling. Cum inj 4924 BW.

1/2: No report. (Report for previous day received after 8:30 AM daily.)

JAN - 2 1975

Shell-G. Hanson 2-4B3 SWD  
(SWD)  
4165' Duchesne River-  
Uinta Test  
KB 6157', GL 6130'  
7" csg @ 4165'

TD 4165. PB 4078.

1/2: Injecting. Inj 1336 BW at 1195 psi in 24 hrs, pumping continuously w/instantaneous rate of 0.8 B/M. Cum inj to date 6260 BW.

JAN - 3 1975

Shell-G. Hanson 2-4B3 SWD  
(SWD)  
4165' Duchesne River-  
Uinta Test  
KB 6157', GL 6130'  
7" csg @ 4165'

TD 4165. PB 4078.

1/3: Injecting. Inj 1147 BW at 1240 psi in 15 hrs. Pump down on high discharge press. Cum inj 7407 BW.

1/4: Injecting. Inj 429 BW at 1230 psi in 5 hrs. Pump down on high discharge press 16 hrs. SITP 1100 psi. Cum inj to date 7836 BW.

1/5: Injecting. Inj 1129 BW at 1230 psi in 24 hrs. Pump down 9-1/2 hrs on low wtr level. Instantaneous rate 1.5 B/M. Cum inj to date 8965 BW.

1/6: No report.

JAN - 6 1975

Shell-G. Hanson 2-4B3 SWD  
(SWD)  
4165' Duchesne River-  
Uinta Test  
KB 6157', GL 6130'  
7" csg @ 4165'

TD 4165. PB 4078. Injecting. Inj 1253 BW at 1230 psi in 24 hrs. Pumped 13-3/4 hrs in six pumping cycles. Cum inj 10,218 BW.

JAN - 7 1975

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4078. Injecting. Inj 810 BW at 1240 psi  
(SWD) in 24 hrs. Pmpd 8-1/2 hrs in four pump cycles. Cum  
4165' Duchesne River- inj 11,028. JAN - 8 1975  
Uinta Test  
KB 6157', GL 6130'  
7" csg @ 4165'

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4078. Injecting. Inj 1029 BW at 1230  
(SW) psi in 24 hrs. Pmpd 12 hrs in four pump cycles.  
4165' Duchesne River- Cum inj 12,057 BW. JAN - 9 1975  
Uinta Test  
KB 6157', GL 6130'  
7" csg @ 4165'

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4078. Injecting. Inj 824 BW at 1200 psi  
(SWD) in 15 hrs. Pump down 9 hrs (operations installing time  
4165' Duchesne River- delays and miscellaneous adjustments). Cum inj 12,881 BW.  
Uinta Test JAN 10 1975  
KB 6157', GL 6130'  
7" csg @ 4165'

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4078. No report.  
(SWD) JAN 13 1975  
4165' Duchesne River-  
Uinta Test  
KB 6157', GL 6130'  
7" csg @ 4165'

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4078.  
(SWD) 1/10: Inj 1556 BW at 1250 psi in 15-1/2 hrs pmpg time.  
4165' Duchesne River- Cum inj 14,437 BW.  
Uinta Test 1/11: Inj 1407 BW at 1250 psi in 13-1/2 hrs pmpg time.  
KB 6157', GL 6130' Cum inj 15,844 BW.  
7" csg @ 4165' 1/12: Inj 1772 BW at 1280 psi in unknown hrs. Cum inj  
17,616 BW. JAN 14 1975

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4078.  
(SWD) 1/13: Inj 1967 BW at 1275 psi in 24 hrs. Pump cycling  
4165' Duchesne River- w/load. Cum inj 19,583 BW.  
Uinta Test 1/14: Inj 1966 BW at 1285 psi in 24 hrs. Pump cycling  
KB 6157', GL 6130' w/load. Cum inj 21,549 BW.  
7" csg @ 4165' JAN 15 1975

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4078. Injecting. Inj 1066 BW at 1235  
(SWD) psi in 24 hrs, pmg continuously at 3/4 B/M. Adjusted  
4165' Duchesne River- bypass regulator and pump rate incr to 1.3 B/M. Cum  
Uinta Test inj 22,615 BW. JAN 16 1975  
KB 6157', GL 6130'  
7" csg @ 4165'

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4078. Injecting. Inj 1598 BW at 1270  
(SWD) psi in 24 hrs. Cum inj 24,213 BW. JAN 17 1975  
4165' Duchesne River-  
Uinta Test  
KB 6157', GL 6130'  
7" csg @ 4165'

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4078. Injecting.  
(SWD) 1/16: Inj 1827 BW at 1310 psi in 24 hrs.  
4165' Duchesne River- 1/17: Inj 1813 BW at 1310 psi in 24 hrs.  
Uinta Test 1/18: Inj 1750 BW at 1300 psi in 24 hrs. Cum inj to  
KB 6157', GL 6130' date 29,100 BW. JAN 20 1975  
7" csg @ 4165'

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4078. Injecting. Inj 1492 BW in 24 hrs  
(SWD) at 1300 psi. Cum inj 30,592 BW. JAN 21 1975  
4165' Duchesne River-  
Uinta Test  
KB 6157', GL 6130'  
7" csg @ 4165'

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4078. Injecting. Inj 1416 BW at 1310 psi  
(SWD) in 24 hrs. Instantaneous rate 1.4 B/M. Cum inj 32,008  
4165' Duchesne River- JAN 22 1975  
Uinta Test  
KB 6157', GL 6130'  
7" csg @ 4165'

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4078. Injecting. Inj 1768 BW at 1310 psi  
(SWD) in 24 hrs. Cum inj 33,776 BW. JAN 23 1975  
4165' Duchesne River-  
Uinta Test  
KB 6157', GL 6130'  
7" csg @ 4165'

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4078. Injecting. Inj 1880 BW at 1310 psi  
(SWD) in 24 hrs. Cum inj 35,656. JAN 24 1975  
4165' Duchesne River-  
Uinta Test  
KB 6157', GL 6130'  
7" csg @ 4165'

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4078. Injecting. TP 930 psi. Ran to  
(SWD) 4055. Found small bridge at 3610 and 3670. Flowed  
4165' Duchesne River- well to pit on 2" choke, TP 100 for 20 minutes, flowed  
Uinta Test est 160 bbls wtr and small amt sand. At end of flow,  
KB 6157', GL 6130' TP 30 psi. SITP 700 after 3 hrs. Ran slick line to  
7" csg @ 4165' 4055 - no bridge. Tbg press 950 psi.

FEB 3 1975

Shell-G. Hanson 2-4B3 SWD No Report.  
(SWD)  
4165' Duchesne River-  
Uinta Test  
KB 6157', GL 6130'  
7" csg @ 4165'

FEB 4 1975

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4078. SD for line leak repair.  
(SWD)  
4165' Duchesne River-  
Uinta Test  
KB 6157', GL 6130'  
7" csg @ 4165'

FEB 5 1975

Shell-G. Hanson 2-4B3 SWD No report  
(SWD)  
4165' Duchesne River-  
Uinta Test  
KB 6157', GL 6130'  
7" csg @ 4165'

FEB 6 1975

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4078. SD for line leak repair.  
(SWD)  
4165' Duchesne River-  
Uinta Test  
KB 6157', GL 6130'  
7" csg @ 4165'

FEB 7 1975

Shell-G. Hanson 2-4B3 SWD No report.  
(SWD)  
4165' Duchesne River-  
Uinta Test  
KB 6157', GL 6130'  
7" csg @ 4165'

FEB 10 1975

Shell-G. Hanson 2-4B3 SWD No report.  
(SWD)  
4165' Duchesne River-  
Uinta Test  
KB 6157', GL 6130'  
7" csg @ 4165'

FEB 11 1975

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4078. Injecting. On 2/11/75 inj'd 1225 bbls  
(SWD) in 24 hrs @ 1275 psi.

FEB 12 1975

4165' Duchesne River-  
Uinta Test  
KB 6157', GL 6130'  
7" csg @ 4165'

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4078. Injecting. On 2/12/74 inj'd 1228 bbls  
(SWD) in 24 hrs @ 1280 psi.

FEB 13 1975

4165' Duchesne River-  
Uinta Test  
KB 6157', GL 6130'  
7" csg @ 4165'

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4078. Injecting. On 2/13/75 inj'd 1080 bbls  
(SWD) in 24 hrs @ 1500 psi.

FEB 14 1975

4165' Duchesne River-  
Uinta Test  
KB 6157', GL 6130'  
7" csg @ 4165'

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4078. Injecting.

(SWD)		<u>Hrs. Inj.</u>	<u>Bbls. Inj.</u>	<u>Inj. Press.</u>
4165' Duchesne River-	<u>2/15:</u>	24	278	1400
Uinta Test	<u>2/16:</u>	17	1161	1400
KB 6157', GL 6130'	<u>2/17:</u>	10	1001	50
7" csg @ 4165'	<u>2/18:</u>	13	1334	1540 FEB 18 1975

Shell-G. Hanson 2-4B3 SWD No Report.

(SWD)  
4165' Duchesne River-  
Uinta Test  
KB 6157', GL 6130'  
7" csg @ 4165'

FEB 19 1975

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4078. Injecting. On 2/19/75 inj'd 1348  
(SWD) bbls in 16 hrs @ 1350 psi.

FEB 20 1975

4165' Duchesne River-  
Uinta Test  
KB 6157', GL 6130'  
7" csg @ 4165'

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4078. Injecting. On 2/20/74 inj'd 817 bbls  
(SWD) in 8 hrs @ 1360 psi. FEB 21 1975  
4165' Duchesne River-  
Uinta Test  
KB 6157', GL 6130'  
7" csg @ 4165'

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4078. Injecting.  
(SWD)  
4165' Duchesne River-  
Uinta Test  
KB 6157', GL 6130'  
7" csg @ 4165'

	<u>Hrs. Inj.</u>	<u>Bbls. Inj.</u>	<u>Inj. Press.</u>
<u>2/22:</u>	2	266	1285
<u>2/23:</u>	3	407	1330
<u>2/24:</u>	4	439	50

FEB 24 1975

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4078. Injecting. Inj'd 1408 bbls in 16 hrs @  
(SWD) 1360 psi. FEB 25 1975  
4165' Duchesne River-  
Uinta Test  
KB 6157', GL 6130'  
7" csg @ 4165'

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4078. Injecting. Inj'd 1124.5 bbls in 24  
(SWD) hrs @ 1350 psi. FEB 26 1975  
4165' Duchesne River-  
Uinta Test  
KB 6157', GL 6130'  
7" csg @ 4165'

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4078. Injecting. Inj'd 1350 bbls in 23 hrs  
(SWD) @ 1350 psi. FEB 27 1975  
4165' Duchesne River-  
Uinta Test  
KB 6157', GL 6130'  
7" csg @ 4165'

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4078. Injecting. No gauge.  
(SWD) FEB 28 1975  
4165' Duchesne River-  
Uinta Test  
KB 6157', GL 6130'  
7" csg @ 4165'

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4078. Injecting.  
 (SWD)

	<u>Hrs. Inj.</u>	<u>Bbls. Inj.</u>	<u>Inj. Press.</u>
4165' Duchesne River- Uinta Test	3/1: 20	681	1310
KB 6157', GL 6130'	3/2: 22	414	1340
7" csg @ 4165'	3/3: 6	17	1330

MAR - 8 1975

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4078. Injecting. Inj'd 848 bbls in 12 hrs @  
 (SWD) 1340 psi.

4165' Duchesne River-  
 Uinta Test  
 KB 6157', GL 6130'  
 7" csg @ 4165'

MAR - 4 1975

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4078. Injecting. Inj'd 597 bbls in 24 hrs  
 (SWD) @ 1340 psi.

4165' Duchesne River-  
 Uinta Test  
 KB 6157', GL 6130'  
 7" csg @ 4165'

MAR - 5 1975

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4078. Injecting. Inj'd 1850 bbls in 24 hrs  
 (SWD) @ 1300 psi.

4165' Duchesne River-  
 Uinta Testst  
 KB 6157', GL 6130'  
 7" csg @ 4165'

MAR - 6 1975

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4078. Injecting. Inj'd 1027 bbls in 24 hrs  
 (SWD) @ 1340-1360 psi.

4165' Duchesne River-  
 Uinta Test  
 KB 6157', GL 6130'  
 7" csg @ 4165'

MAR - 7 1975

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4078. Injecting.

	<u>Hrs Inj.</u>	<u>Bbls Inj.</u>	<u>Inj. Press.</u>
4165' Duchesne River- Uinta Test	3/8: 24	1606	1365-1390
KB 6157', GL 6130'	3/9: 17	1537	1390
7" csg @ 4165'	3/10: 4	662	50

MAR 10 1975

SHELL OIL COMPANY  
FROM: 9/18/74 - 3/13/75

LEASE G. HANSON  
DIVISION WESTERN  
COUNTY DUCHESNE  
WELL NO. 2-4B3 SWD  
ELEV 6157 KB  
DATE UTAH

UTAH  
ALTAMONT

Shell-G. Hanson 2-4B3 SWD "FR" 318/7/1/318. Running 9-5/8" csg.  
(SWD) Brinkerhoff #56 Located 1988' FWL and 641' FSL, SE/4 SW/4 Section 4-  
5000' Duchesne River- T2S-R3W, Duchesne County, Utah.  
Uinta Test Shell's Working Interest: 100%  
KB 6157', GL 6130' This well is being drilled to dispose of water from  
the Altamont field.  
Spudded 12-1/4" hole at 8:30 PM, 9/17/74. Circ 1 hr  
prior to starting in hole w/csg. SEP 18 1974  
Mud: Wtr

Shell-G. Hanson 2-4B3 SWD 1054/7/2/736. Drilling. Dev: 3/4 deg at 175 and 1 deg  
(SWD) Brinkerhoff #56 at 318. Ran 7 jts (318') 9-5/8" 40# K-55 ST&C csg w/  
5000' Duchesne River- Howco plain guide shoe at 318' set in wtr w/no fill.  
Uinta Test B-J cmtd w/200 sx Class "G" treated w/5% CaCl2. Had  
KB 6157', GL 6130' 100% returns. CIP at 8:20 AM, 9/18. Nippled up 10"  
9-5/8" csg @ 318' Hydril and WOC 8 hrs. Ran in w/BHA and tagged cmt at  
288'. Tested BOPE 15 min to 500 psi. Drld slowly to  
get 7" DC's out of 9-5/8" csg. SEP 19 1974

Shell-G. Hanson 2-4B3 SWD 2589/7/3/1535. Tripping for bit. Dev: 1 deg at 1124  
(SWD) Brinkerhoff #56 and 2 deg at 2000. Changed bits at 1124 and 2000'.  
5000' Duchesne River- Mud: Wtr  
Uinta Test SEP 20 1974  
KB 6157', GL 6130'  
9-5/8" csg @ 318'

Shell-G. Hanson 2-4B3 SWD 9/21: 3410/7/4/821. Drilling. Dev: 1 deg at 2589 and  
(SWD) Brinkerhoff #56 2 deg at 3182.  
5000' Duchesne River- 9/22: 4165/7/5/755. Prep to mud up. Dev: 1 deg at  
Uinta Test 3743. Changed bit at 3743. Circ 1-3/4 hrs until wtr  
KB 6157', GL 6130' cleared.  
9-5/8" csg @ 318' Mud: (.452) 8.7 x 43  
9/23: 4165/7/6/0. Running 7" csg. Dev: 1 deg at 4165.  
Mudded up and circ and cond mud 2 hrs. Short tripped 15  
stds and circ btms up. Made SLM out of hole: 4165 =  
4165.04 - no correction. Ran Sonic and DIL w/logger's  
TD at 4156. Ran in and circ hole clean. Laid down DP  
and DC's, broke kelly and RU csg crew. SEP 23 1974  
Mud: (.468) 9.0 x 44 x 12.6

RDG PWB  
RF

COMPLETION PROGNOSIS  
SHELL-G. HANSON 2-4B3 (SMD)  
ALTAMONT FIELD

2-4 B3  
Salt Water Disposal Well  
sec 4 T 25-R3W  
Duchess Co.

PERTINENT DATA:

TD: 4,165'	PBTD: 4,078 (Landing Baffle)	Elevation: 6,157' DF 6,130' GL
9 5/8" - 40# K-55 @ 318'		KB-GL = 27'
7" - 26# K-55 @ 4,165'		Datum = KB
Float Collar @ 4,120'		AFE: 516654
Landing Baffle @ 4,078'		
DV Tool @ 2,410'. Cmt circ to surface.		

STATUS: Hole full of 9.0#/gal mud to TD. Well has not been cleaned out.

PROCEDURE:

1. MI&RUCR. Install and test BOPE. Run bit on work string and drill out DV collar and clean out to PBTD. Circulate hole with clean fresh water. Pull tubing.
2. Run a CBL/VDL from PBTD to 1,500'. Run PDC & CCL log from PBTD to 2,500'. Adjust logging depths to the gamma ray log of the Schlumberger GR-BHC Sonic log dated 9/22/74. Note: BHC sonic and GR are 2' off depth from each other. All perforating depths refer to the GR log. If bonding does not appear to be sufficient, pressure casing to 1500 psi and rerun CBL/VDL.
3. If not tested in Step 2, pressure test casing to 1500 psi.
4. Run tubing and swab well down to 2,000'. POOH.
5. Perforate 7" casing in the following intervals with one jet shot per foot using a 4" OD decentralized casing carrier gun capable of a 0.53" entry hole (Densi-Jet XIX).

<u>Group A</u>	<u>Group B</u>	<u>Group C</u>
3,000-05 (5')	3,174-78 (4')	3,428-31 (3')
3,016-22 (6')	3,183-91 (8')	3,521-35 (14')
3,032-36 (4')	3,218-47 (29')	3,601-06 (5')
3,057-77 (20')	3,278-92 (14')	3,701-07 (6')
3,086-3,100 (14')		3,807-16 (9')
3,104-08 (4')		3,828-36 (8')
3,113-17 (4')		

0.4 am  
0.22 am  
0.17 am

Total 157', 157 holes

6. Run 2 7/8" tubing work string with RBP and retrievable packer. Set RBP @ 3,350 and packer @ 2,900', straddling Group A & Group B perforations. Swab test gross perforations 3,000-3,292 to obtain a representative water sample to determine the salinity of the formation water. After a representative sample has been obtained, move RBP to 3,900' and set packer at 3,350'.

RDG - See note on p 3. - pls arrange to have an Engr  
of yours handle this step as the completion  
progresses.

Swab test Group C perfs 3,428-3,836 to obtain a representative water sample to determine the salinity of the formation water.\*

7. Rig up to acidize. Load tubing and run a step-rate injection test of Group C perforations as follows: Inject water for 5-10 minutes at each of the following rates: 1/2, 1, 1 1/2, 2, 2 1/2, and 3 barrels per minute, recording rate and pressure data on a continuous strip chart. Unseat packer, spot acid over Group C perfs. Reset packer at 3,350' and acidize Group C perfs with 4,500 gallons of 15% HCl (with appropriate inhibitor and iron sequestering agent), dropping 2 - 7/8" RCN ball sealers (sp. gravity 1.4) after each 100 gallons of acid.
8. Reverse circulate ball sealers off of retrievable bridge plug. Move tools to straddle Group B perforations. Pressure test bridge plug. Spot acid over perforations, treat with 5,500 gallons 15% HCl (with appropriate inhibitor and iron sequestering agent), dropping 2 - 7/8" RCN ball sealers (sp. gravity 1.4) after each 100 gallons of acid. Treat at maximum rate, but do not exceed 850 psi surface injection pressure.
9. Unseat packer, reverse circulate ball sealers from RBP. Move tools to straddle Group A perforations. Pressure test bridge plug. Spot acid over perfs, treat with 5,700 gallons 15% HCl (with appropriate inhibitor and iron sequestering agent), dropping 2 - 7/8" RCN ball sealers (sp. gravity 1.4) after each 100 gallons of acid). Treat at maximum rate, but do not exceed 850 psi surface inj pressure.
10. Reverse circulate ball sealers from RBP. Swab test gross perforated interval to recover any spent and unspent acid. Pull tubing and retrievable tools.
11. Set Baker Model D production packer on electric line at 2,900' with flapper valve in place.
12. Run injection equipment as follows:
  - a. Baker Model "C" plug holder with Model "B" knockout plug in place.
  - b. 5' long x 2 7/8" O.D. NU 10 rd non-perforated prod tube.
  - c. Anchor seal assembly with two seal units.
  - d. Baker EL-2 on-off sealing connector with Otis "N" nipple profile with 2.313" seal bore, 2.255" no-go.
  - e. About 2,900' 2 7/8" EUE IPC tubing with ABC modified couplings.
13. Sting into packer, test with set down and tension. Mark for landing with about 1,000 lb set down. Jay off, space out. Inhibit annulus per Oil Letter No. 1. Jay on and land tubing. Test tubing to 3000 psi.

- 14. Rig up wireline equipment, knockout tubing plug in preparation to commence injection.\*\* Leave SI at least 3 days prior to initiating injection.
- 15. Immediately prior to initiating injection, run a static BHP with bomb at top of perforations. Obtain gradients and a static pressure.
- 16. Start injection: Record daily injection rate, injection pressure, cumulative injection, and downtime. After injection has stabilized, run a radioactive tracer while injecting.
- 17. Resume injection. Pressure falloff surveys will be requested later.

\* During step 6, a Shell Engineer and a representative for the Utah Department of Natural Resources, Division of Oil and Gas Conservation must be present to witness the formation testing procedure and to obtain samples. The Shell Engineer and the O&G Conservation representative will determine when the sample is deemed to be representative and will be responsible for obtaining the samples.

\*\* Injection cannot commence until the formation water samples taken in step 6 have been analyzed and Shell receives permission from the O&G Conservation to commence injection.

*B. L. Faulk*  
B. L. Faulk

JAH:sp  
10/8/74

Div. OE (Houston) GTK

Div. PE (Houston) \_\_\_\_\_

~~Div. OE (Denver)~~ GTK

Note: When injecting acid, tubing tail should be above all perms to insure effective ball action.

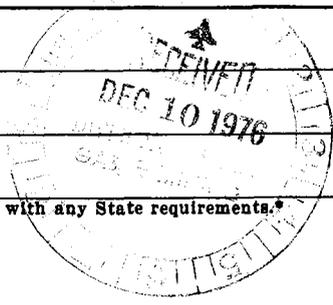
*Handwritten notes:*  
JAH:sp  
10/8/74  
Div. OE (Houston) GTK  
Div. PE (Houston) \_\_\_\_\_  
~~Div. OE (Denver)~~ GTK

OIL & GAS CONSERVATION COMMISSION

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. Patented
2. NAME OF OPERATOR Shell Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 1700 Broadway, Denver, Colorado 80290		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1988' FWL & 641' FSL Section 4		8. FARM OR LEASE NAME G. Hanson
14. PERMIT NO.		9. WELL NO. 2-4B3 SWD
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 6157 KB		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA SE/4 SW/4 Section 4-T2S-R3W
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah



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

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

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING

DATE: Dec 10, 1976

See attachment P. H. [Signature]

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

SIGNED J. W. Brunel TITLE Div. Opers. Engr. DATE 12/7/76

(This space for Federal or State office use)

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

cc: USGS w/attachment

REPERF & ACID TREAT  
SHELL OIL COMPANY

ALTAMONT

LEASE G. HANSON  
DIVISION WESTERN  
COUNTY DUCHESNE

WELL NO. 2-4B3 SWD  
ELEV 6157 KB  
STATE UTAH

FROM: 11/17/75 - 12/2/76

UTAH

ALTAMONT

Shell-G. Hanson 2-4B3 SWD  
(Reperf & AT)

"FR" TD 4165. PB 4068. AFE #416687 provides funds to reperf & AT. At present well will take only 800 BW/D @ 1400 psi. MI&RU Newsco to spt 43 bbls gelled, double-inh wt'd 10% acetic acid from 4078 to 2950. Procedure done according to prog. RD&MO Newsco. 11/15 Start tbg press 1150 psi. MI&RU OWP to perf interval 4074-3010. Run #1 perf'd 4074-3805 (36 holes); end tbg press 1150 psi. Run #2 - start & end press 1160 psi. Perf'd 3803-3481 (36 holes). Run #3 perf'd 3479-3153 (34 holes); end press 1160 psi. Run #4 - start & end tbg press 1160 psi. Perf'd 3908-3010 (34 holes). Total new perfs 140. RD&MO OWP. Waited 2 hrs after MO OWP to run inj tests. Could not pmp into well @ 500 psi, 750 psi or 1000 psi. Pmp'd approx 5 bbls into well @ 1/2 B/M @ 1250 psi. Well quit taking wtr. Incr'd press to 1325 psi; well was taking wtr @ 1/2 B/M. Did not incr press to 1500 psi as that press is over max design press of facility. Left press @ 1325 psi.  
(RDUFA)

NOV 17 1975

Shell-G. Hanson 2-4B3 SWD  
(Reperf & AT)

TD 4165. PB 4068. (RRD 11/17/75) Work done: spt'd 43 bbls gelled, wt'd 10% acetic acid w/Newsco from 4078-2950. Perf'd w/OWP gross interval 4074-3010 (140 holes) for a total of 636 perfs. An injectivity test was run & at 1400 psi, approx 1800 BW could be inj'd per day. Well is currently too tight to inj into.  
FINAL REPORT

DEC 02 1976

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)

SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT—" for such proposals.)

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8. FARM OR LEASE NAME  
G. Hanson

9. WELL NO.  
2-4B3 SWD

10. FIELD AND POOL, OR WILDCAT  
Altamont

11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA  
SE/4 SW/4 Section 4-T2S-R3W

12. COUNTY OR PARISH  
Duchesne

13. STATE  
Utah

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
Shell Oil Company

3. ADDRESS OF OPERATOR  
1700 Broadway, Denver, Colorado 80290

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface  
1988' FWL & 641' FSL Section 4

14. PERMIT NO. | 15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
| 6157 KB

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SHOOT OR ACIDIZE <input checked="" type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input checked="" type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
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See attachment

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(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

cc: USGS w/attachment

REPERF & ACID TREAT  
SHELL OIL COMPANY

ALTAMONT

LEASE G. HANSON

WELL NO. 2-4B3 SWD

DIVISION WESTERN

ELEV. 6157 KB

COUNTY DUCHESNE

STATE UTAH

FROM: 11/17/75 - 12/2/76

UTAH

ALTAMONT

Shell-G. Hanson 2-4B3 SWD  
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NOV 17 1975

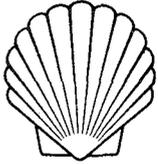
Shell-G. Hanson 2-4B3 SWD  
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FINAL REPORT

DEC 02 1976





# SHELL OIL COMPANY

1200 MILAM STREET  
P. O. BOX 576  
HOUSTON, TEXAS 77001

*Release August 24 1977*

August 9, 1977

Subject: Application for Approval of  
Salt Water Disposal Program and  
Deepening of SWD 2-4B3 Well  
Altamont-Bluebell Areas,  
Duchesne and Uintah Counties, Utah

Mr. Cleon B. Feight, Director  
Division of Oil, Gas and Mining  
Department of Natural Resources  
State of Utah  
1588 West North Temple  
Salt Lake City, Utah 84116

Dear Sir:

Enclosed is the original and two signed copies of Shell Oil Company's application in which administrative approval is sought to dispose of produced salt water and to deepen SWD 2-4B3 well, serving the Greater Altamont-Bluebell Areas. The application is filed pursuant to Rule C-11 and copies have been sent Via Registered Mail to the lessees named in Exhibit "D" attached to the application.

I understand that Jack Springborn and John Schneider have previously discussed this with you and your staff.

If no objections are received within the time provided by Rule C-11, we would appreciate approval pursuant to the Rule.

Very truly yours,

D. F. Gallion  
Attorney

DFG:ew

Enclosures



BEFORE THE BOARD OF OIL AND GAS CONSERVATION  
DEPARTMENT OF NATURAL RESOURCES  
in and for the STATE OF UTAH

IN THE MATTER OF THE APPLICATION OF SHELL )  
OIL COMPANY FOR ADMINISTRATIVE APPROVAL, )  
PURSUANT TO RULE C-11, AUTHORIZING THE )  
DEEPENING OF AN INJECTION WELL AND THE )  
UNDERGROUND DISPOSAL OF WATER PRODUCED )  
WITH OIL FROM WELLS IN THE GREATER )  
ALTAMONT-BLUEBELL AREAS, DUCHESNE AND )  
UINTAH COUNTIES, UTAH )

APPLICATION

Applicant, SHELL OIL COMPANY, in support of this application, respectfully shows to the Board of Oil and Gas Conservation of the State of Utah, as follows:

1. Applicant is a Delaware corporation duly authorized to transact business in the State of Utah.
2. Applicant is an oil and gas operator in the greater Altamont-Bluebell areas, Duchesne and Uintah Counties, Utah.
3. Many producing oil and gas wells in the greater Altamont-Bluebell areas and surrounding area are producing in association with oil and gas, salt water, brackish water, or other water unfit for domestic, livestock, irrigation, or other general uses. Unless appropriate disposal is provided, possible damage may occur to surface estates and potable surface waters.
4. Applicant proposes to dispose of such produced water by deepening an existing water disposal well, Hansen 2-4B3, from its current total depth of 4165 feet to 6300 feet and injecting underground into the lower portion of the Uinta Formation and upper portion of the Green River Formation.
5. The water disposal well, Hansen 2-4B3, is located 641 feet from the south line and 1988 feet from the west line of Section 4, Township 2 South, Range 3 West, U.S.B. &M., Duchesne County, Utah. The locations of this disposal well, all other disposal, oil and gas, abandoned, and drilling wells as well as dry holes within the greater Altamont-Bluebell areas are shown and designated on Exhibit "A" attached hereto and by this reference made a part hereof. Also attached hereto and made a part hereof are Exhibits "A-1" and "A-2" showing and depicting, respectively, the detailed location of the disposal well Hansen 2-4B3 and the names of lessees of record within one-half mile of this disposal well.

6. The lower Uinta - upper Green River interval consists of fluvial, lacustrine, and transitional sediments and is composed of sandstones, siltstones, shales, and carbonates with the carbonates increasing with depth. Although the contact between the Uinta and Green River formations is gradational, the Applicant estimates that the top of the Green River will be penetrated at approximately 5300 feet in the Hansen 2-4B3 deepening.

7. Reproductions of pertinent portions of the Dual Induction - Laterolog and Mud log of the Rust 1-4B3 well, the nearest well penetrating the proposed disposal interval in Hansen 2-4B3, are attached hereto and made a part hereof as Exhibits "B" and "B-1". These logs are submitted as representative descriptions of the stratigraphic interval that will be penetrated in the deepening of the Hansen 2-4B3 well.

8. Three cross sections that show the relationship between the Altamont producing interval, existing disposal intervals, and the proposed disposal interval in Hansen 2-4B3 are attached hereto and made a part hereof as Exhibits "B-2", "B-3", and "B-4".

9. A schematic which describes and depicts the proposed casing program for the deepening of Hansen 2-4B3 is attached hereto and made a part hereof as Exhibit "C". Prior testing by Applicant has assured that fresh water resources are protected. No operation in the proposed program will be detrimental to the integrity of the existing casing - cement protective system.

10. Water to be disposed of is that which is produced with oil from the Green River-Wasatch formations by oil and gas wells in the Greater Altamont-Bluebell Area. Injection into the existing perforated intervals in the Hansen 2-4B3 cannot be sustained at the maximum surface injection pressure. Therefore, injection is proposed through Hansen 2-4B3 at subsurface intervals ranging approximately from 5200' to 6300' feet, at estimated minimum and maximum amounts of 200 and 15,000 barrels of water per day, respectively.

11. Applicant believes that produced water to be disposed of and formation water in the lower Uinta - upper Green River at the proposed injection intervals are both unfit for domestic, livestock, irrigation or other general uses. Similar disposal water is currently being injected into the lower Uinta - upper Green River interval in well No. 2-17C5, with Gulf as operator. As in previous disposal wells, Applicant will obtain a formation water sample by production swab

testing. Applicant will notify the Director, Division of Oil and Gas Conservation, prior to taking such sample and conducting such tests in order that the Director or his staff may witness the tests and take independent samples.

12. Applicant proposes to provide continuous monitoring of the salt water disposal well as to the volume of fluids injected and injection pressures, and such information will be recorded or logged.

13. Names of lessees of record within one-half mile of the disposal well are shown on Exhibit "A-2", and the names and addresses of such lessees and those notified by registered mail of the filing of this application are shown on Exhibit "D" attached hereto and hereby made a part hereof.

WHEREFORE, Applicant respectfully requests that the Board of Oil and Gas Conservation, pursuant to Rule C-11, approve administratively the deepening of the disposal well and the underground disposal of water produced with oil, all as more fully set forth herein.

Dated this 9th day of August, 1977.

Respectfully submitted,

SHELL OIL COMPANY

By   
P. J. Carroll  
Division Production Manager  
Western Division  
Post Office Box 831  
Houston, Texas 77001

STATE OF TEXAS

COUNTY OF HARRIS

P. J. Carroll, being first duly sworn on oath, deposes and says that he is Division Production Manager for the Western Division of Shell Oil Company; that he has read the foregoing application and knows the contents thereof; and that the matters and things therein stated are true.



Subscribed and sworn to before me this 9th day of August, 1977

My Commissions Expires:

  
Notary Public  
In and for Harris County, Texas

EVELYN M. GREER  
Notary Public in and for Harris County, Texas  
My Commission Expires September 30, 1978

9/30/78





**Chevron U.S.A. Inc.**  
P.O. Box 599, Denver, CO 80201

**W. B. Jackson**  
Division Production Manager

August 12, 1977

SHELL'S APPLICATION FOR  
APPROVAL OF SALT WATER  
DISPOSAL PROGRAM AND DEEPENING  
OF SWD 2-4B3 WELL  
ALTAMONT-BLUEBELL AREAS  
DUCHESNE & UINTAH COUNTIES, UTAH

Shell Oil Company  
1200 Milan Street  
P. O. Box 576  
Houston, Texas 77001

Attention: Mr. D. F. Gallion  
Attorney



Gentlemen:

Per your letter of request dated August 9, 1977, and after reviewing the above application, Chevron finds no basis to object to said plan.

Very truly yours,

FAP:gld

cc: Commissioner  
Board of Oil & Gas Conservation  
State of Utah  
1588 West North Temple  
Salt Lake City, Utah 84116

SCOTT M. MATHESON  
*Cover not*

GORDON E. HARMSTON  
*Executive Director,*  
NATURAL RESOURCES

CLEON B. FEIGHT  
*Director*



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING  
1588 West North Temple  
Salt Lake City, Utah 84116  
(801) 533-5771  
August 30, 1977

OIL, GAS, AND MINING BOARD

I. DANIEL STEWART  
*Chairman*

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

DEM

Shell Oil Company  
P.O. Box 576  
Houston, Texas 77001

ATTENTION: Mr. D.F. Gallion, Attorney

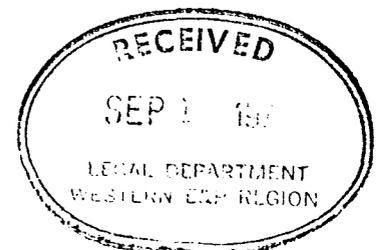
Re: Application for Approval of  
Salt Water Disposal Program  
and Deepening of SWD 2-4B3,  
Altamont-Bluebell Area,  
Duchesne & Uintah Counties, Utah

Dear Mr. Gallion:

As no objections have been received within the fifteen day period, approval to commence the above referred to operations is hereby granted in accordance with Rule C-11, General Rules and Regulations and Rules of Practice and Procedure.

Said approval shall be contingent upon following those procedures outlined in the Order issued in Cause No. 139-9, dated June 27, 1973, as well as the following:

- a) A Division representative must be present when contemplated injection interval is swabbed, a sample of the formation water must be analyzed in order to insure that it is of poorer quality than the proposed disposal water.
- b) Limiting pressure will be calculated, fracture gradient to top of uppermost perforations. If these perforations are squeezed or isolated by packer, then the limiting pressure will be calculated from the fracture gradient to the top of the liner.
- c) If hydrocarbons are encountered in producible quantities from the proposed disposal zone, then a determination will be made as to whether or not the proposed well can be utilized as planned.



Should you have any questions relative to the above, please do not hesitate to contact myself or Mr. Patrick L. Driscoll, Chief Petroleum Engineer.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING



CLEON B. FEIGHT  
Director

August 30, 1977

Shell Oil Company  
P.O. Box 576  
Houston, Texas 77001

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Shell Oil Company  
August 30, 1977  
Page Two

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Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT  
Director

BEFORE THE BOARD OF OIL AND GAS CONSERVATION  
DEPARTMENT OF NATURAL RESOURCES  
in and for the STATE OF UTAH

IN THE MATTER OF THE APPLICATION OF SHELL )  
OIL COMPANY FOR ADMINISTRATIVE APPROVAL, )  
PURSUANT TO RULE C-11, AUTHORIZING THE )  
DEEPENING OF AN INJECTION WELL AND THE )  
UNDERGROUND DISPOSAL OF WATER PRODUCED )  
WITH OIL FROM WELLS IN THE GREATER )  
ALTAMONT-BLUEBELL AREAS, DUCHESNE AND )  
UINTAH COUNTIES, UTAH )

APPLICATION

Applicant, SHELL OIL COMPANY, in support of this application, respectfully shows to the Board of Oil and Gas Conservation of the State of Utah, as follows:

1. Applicant is a Delaware corporation duly authorized to transact business in the State of Utah.

2. Applicant is an oil and gas operator in the greater Altamont-Bluebell areas, Duchesne and Uintah Counties, Utah.

3. Many producing oil and gas wells in the greater Altamont-Bluebell areas and surrounding area are producing in association with oil and gas, salt water, brackish water, or other water unfit for domestic, livestock, irrigation, or other general uses. Unless appropriate disposal is provided, possible damage may occur to surface estates and potable surface waters.

4. Applicant proposes to dispose of such produced water by deepening an existing water disposal well, Hansen 2-4B3, from its current total depth of 4165 feet to 6300 feet and injecting underground into the lower portion of the Uinta Formation and upper portion of the Green River Formation.

5. The water disposal well, Hansen 2-4B3, is located 641 feet from the south line and 1988 feet from the west line of Section 4, Township 2 South, Range 3 West, U.S.B. &M., Duchesne County, Utah. The locations of this disposal well, all other disposal, oil and gas, abandoned, and drilling wells as well as dry holes within the greater Altamont-Bluebell areas are shown and designated on Exhibit "A" attached hereto and by this reference made a part hereof. Also attached hereto and made a part hereof are Exhibits "A-1" and "A-2" showing and depicting, respectively, the detailed location of the disposal well Hansen 2-4B3 and the names of lessees of record within one-half mile of this disposal well.

6. The lower Uinta - upper Green River interval consists of fluvial, lacustrine, and transitional sediments and is composed of sandstones, siltstones, shales, and carbonates with the carbonates increasing with depth. Although the contact between the Uinta and Green River formations is gradational, the Applicant estimates that the top of the Green River will be penetrated at approximately 5300 feet in the Hansen 2-4B3 deepening.

7. Reproductions of pertinent portions of the Dual Induction - Laterolog and Mud log of the Rust 1-4B3 well, the nearest well penetrating the proposed disposal interval in Hansen 2-4B3, are attached hereto and made a part hereof as Exhibits "B" and "B-1". These logs are submitted as representative descriptions of the stratigraphic interval that will be penetrated in the deepening of the Hansen 2-4B3 well.

8. Three cross sections that show the relationship between the Altamont producing interval, existing disposal intervals, and the proposed disposal interval in Hansen 2-4B3 are attached hereto and made a part hereof as Exhibits "B-2", "B-3", and "B-4".

9. A schematic which describes and depicts the proposed casing program for the deepening of Hansen 2-4B3 is attached hereto and made a part hereof as Exhibit "C". Prior testing by Applicant has assured that fresh water resources are protected. No operation in the proposed program will be detrimental to the integrity of the existing casing - cement protective system.

10. Water to be disposed of is that which is produced with oil from the Green River-Wasatch formations by oil and gas wells in the Greater Altamont-Bluebell Area. Injection into the existing perforated intervals in the Hansen 2-4B3 cannot be sustained at the maximum surface injection pressure. Therefore, injection is proposed through Hansen 2-4B3 at subsurface intervals ranging approximately from 5200' to 6300' feet, at estimated minimum and maximum amounts of 200 and 15,000 barrels of water per day, respectively.

11. Applicant believes that produced water to be disposed of and formation water in the lower Uinta - upper Green River at the proposed injection intervals are both unfit for domestic, livestock, irrigation or other general uses. Similar disposal water is currently being injected into the lower Uinta - upper Green River interval in well No. 2-17C5, with Gulf as operator. As in previous disposal wells, Applicant will obtain a formation water sample by production swab

testing. Applicant will notify the Director, Division of Oil and Gas Conservation, prior to taking such sample and conducting such tests in order that the Director or his staff may witness the tests and take independent samples.

12. Applicant proposes to provide continuous monitoring of the salt water disposal well as to the volume of fluids injected and injection pressures, and such information will be recorded or logged.

13. Names of lessees of record within one-half mile of the disposal well are shown on Exhibit "A-2", and the names and addresses of such lessees and those notified by registered mail of the filing of this application are shown on Exhibit "D" attached hereto and hereby made a part hereof.

WHEREFORE, Applicant respectfully requests that the Board of Oil and Gas Conservation, pursuant to Rule C-11, approve administratively the deepening of the disposal well and the underground disposal of water produced with oil, all as more fully set forth herein.

Dated this 9th day of August, 1977.

Respectfully submitted,

SHELL OIL COMPANY

By   
P. J. Carroll  
Division Production Manager  
Western Division  
Post Office Box 831  
Houston, Texas 77001

STATE OF TEXAS

COUNTY OF HARRIS

P. J. Carroll, being first duly sworn on oath, deposes and says that he is Division Production Manager for the Western Division of Shell Oil Company; that he has read the foregoing application and knows the contents thereof; and that the matters and things therein stated are true.



Subscribed and sworn to before me this 9th day of August, 1977

My Commissions Expires:

  
Notary Public  
In and for Harris County, Texas

EVELYN M. GREER  
Notary Public in and for Harris County, Texas  
My Commission Expires September 30, 1978

9/30/78



CIRCULATE TO:

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

*SWD*

October 5, 1977

Memo To File:

Re: Shell Oil Company  
Hanson 2-4B3 SWD  
Sec. 4, T. 2S, R. 3W  
Duchesne County, Utah

Shell Oil Co. requested and received permission to deepen this SWD well on October 3, 1977. The areas of injection would be the base of the Upper Green River and the top of the Lower Green River. This request was entailed by Shell Oil Co. as their existing well would accept only minor quantities of water at a surface pressure approaching calculated fracture pressure.

Shell oil Co's. intention was to drill to a T.D. of 6500'; case the well to that depth; squeeze existing perforations and complete through pipe through the intervals noted as indicated by potential water receivers in the L.G.R. and U.P. Wasatch.

In the course of deepening this well, Shell encountered severe problems; the most notable being the loss of the bit and 8 drill collars as the hole approached 6500'. The attempts to recover this fish resulted in an estimated loss of 200 bbl. of drilling fluid (Bentonite and water) to the proposed injection formations.

After reaching a depth of 6300', Shell Oil Company decided to swab test the well in order to determine its suitability as a disposal well.

The open hole section (4128'-6300') was swabbed for a total of four days. After recovering an amount of fluid equal to the calculated loss, a period of 1 hour tests commenced. The results are as follows:

9/30/77	Recovered to date; 220 bbl. total fluid
9/30/77	Five A.M. to nine A.M. - 10/1/77 Swabbing from 2500'; recovered 20 BW with a slight trace of oil.

10/1/77 S.D. for crew reorganization

10/4/77 Recommended swabbing at the following indicated rates:

8:A.M.- 9:A.M.	Depth	2500';	Rec. 20 bbl. 5500 PPM
9:A.M.-10:A.M.	"	3000';	Rec. 30 bbl T.M.T.D.
10:A.M.- 11:A.M.	"	4128';	Rec. 30 bbl. 6500 PPM
11:A.M.- 12:A.M.	Depth	4128';	Rec. 30 bbl. 7000 PPM
12:A.M.- 1:P.M.	"	4128';	Rec. 30 bbl. 9250 PPM
1:P.M.-2:P.M.	"	4128';	Rec. 14 bbl. 7500 PPM

It was felt that the graduated increase in total solids was due to the reduction in percentage of water recovered from the fresh water filtrate loss, that the formations in question contained waters in excess of 5,000 PPM, or the maximum obtained from field production, that this well could be approved for disposal without encroaching upon the realm of pollution. Therefore, Shell Oil Company was granted permission to attempt a completion of this well as a produced SWD well.



PATRICK L. DRISCOLL  
CHIEF PETROLEUM ENGINEER

PLD/ko

SWD

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

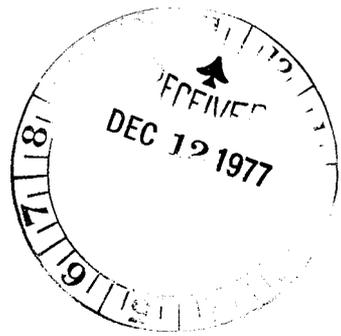
1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> SWD		5. LEASE DESIGNATION AND SERIAL NO. Patented
2. NAME OF OPERATOR Shell Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 1700 Broadway, Denver, Colorado 80290		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1988' FWL & 641' FSL Section 4		8. FARM OR LEASE NAME G. Hanson
14. PERMIT NO.		9. WELL NO. 2-4B3 SWD
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 6157 KB		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA SE/4 SW/4 Section 4-T2S-R3W
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

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

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

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

See attachment



18. I hereby certify that the foregoing is true and correct  
SIGNED R. Plautz TITLE Div. Oper. Engr. DATE 12/7/77  
(This space for Federal or State office use)

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

cc: USGS w/attachment

DEEPEN WELL

SHELL OIL COMPANY

FROM: 9/7 - 11/17/77

LEASE  
DIVISION  
COUNTY

G. HANSON  
WESTERN  
DUCHESNE

WELL NO.  
ELEV  
STATE

ALTAMONT  
2-4B3 SWD  
6157 KB  
UTAH

UTAH

ALTAMONT

Shell-G. Hanson 2-4B3 SWD (Deepen well) "FR" TD 4165. PB 4070. AFE #425171 provides funds to remove inj equip, deepen well to 6300, install uncm't'd 5-1/2" liner, test & return to inj of SW. 9/6 MI&RU WOW #17. Left well flw'g back wtr to pit. SEP 07 1977

Shell-G. Hanson 2-4B3 SWD (Deepen well) TD 4165. PB 4070. Well trickl'g back wtr. Removed WH & installed & tested BOP's. PU tbg off donut & unlatched from pkr. POOH & LD tbg in sgls. PU Bkr pkr picker, 15 4" DC's, 70 jts 2-7/8 PH6 8.7# hyd workstring. SI well. SEP 08 1977

Shell-G. Hanson 2-4B3 SWD (Deepen well) TD 4165. PB 4070. Latched into Md1 D pkr w/pkr picker. Milled out Md1 D. POOH & LD pkr remnants & pkr picker. RIH w/6-1/8 bit to 2800'. PU 10 jts 2-7/8 hyd tbg & SI well overnight. SEP 09 1977

Shell-G. Hanson 2-4B3 SWD (Deepen well) TD 4165. PB 4070. PU 10 jts 2-7/8 hyd tbg; had scale. Drld & washed down 18 more jts to top of FC @ 4078. Drld hard cmt to csg shoe & drld on shoe 2 hrs; made no hole. POOH; bit completely worn out & junk catcher full. SI well. SEP 12 1977

Shell-G. Hanson 2-4B3 SWD (Deepen well) TD 4165. PB 4070. RIH w/4" magnet on sdline. Made 2 runs & rec'd sml amt filings ea run; no chunks. RIH w/6-1/8 bit. Drld 150' in 7 hrs (22,000# on bit - 80 RPM). Circ'd @ 4 B/M; circ'd hole clean. Pulled bit into csg & SI for night. SEP 13 1977

Shell-G. Hanson 2-4B3 SWD (Deepen well) TD 4165. PB 4070. Drlg @ 4452; had 20' fill overnight. Drld 156' in 10 hrs & circ'd hole clean. Pulled bit up into csg & SD for night. SEP 14 1977

Shell-G. Hanson 2-4B3 SWD (Deepen well) TD 4165. PB 4070. Had 60' fill overnight. Drld 140' 6-1/8" hole (native mud). Circ'd hole clean. Pulled bit up into 7" csg & SD for night. (Total hrs on Bit #2 - 27 w/446' footage) SEP 15 1977

Shell-G. Hanson 2-4B3 SWD (Deepen well) TD 4165. PB 4070. Circ'd out 60' fill to btm. Drld to 4598 & circ'd hole clean. Ran totco - dev. 1 deg @ 4590. RIH & drld to 4630 & circ'd hole clean. Pulled up into 7" csg & SI overnight. SEP 16 1977

Shell-G. Hanson 2-4B3 SWD 4165. PB 4070. 9/16 Drld 464790 in 8 hrs. Circ'd  
(Deepen well) hole clean. Pulled bit up into 7" csg. Circ'g out fill @  
4400' (400' fill in 2 days).

SEP 19 1977

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4070. Drlg @ 5141. Washed out fill from  
(Deepen well) 4390-4790 & drld 4790-5141. SEP 20 1977

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4070. Circ'g btms up. Drld 5141-5248 (107')  
(Deepen well) then circ'd for survey. Dev: 3 deg @ 5218'. Drld w/new  
bit from 5248-5356. Washed & reamed 4929-5248. SEP 21 1977

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4070. Reran survey; 1 deg @ 5340'. Drld  
(Deepen well) 5356-5761. SEP 22 1977

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4070. Drld 281' to 6042. Made connection &  
(Deepen well) started to resume drlg & was stuck. Worked pipe w/o success.  
SEP 23 1977 Pmp'd into frm @ 4 B/M @ 2000 psi. MI&RU Go Int'l & RIH  
w/frept. Frept on btm jt 2-7/8"; top 4-3/4 collar stuck.

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4070. Cut hyd tbg @ 5345 (15' above collars)  
(Deepen well) w/chem cutter & POOH. RD&MO Go. Pulled 5345' hyd tbg.  
Left 15' 2-7/8 hyd tbg, xover, 22 4-3/4 DC's & 6-1/8 button  
bit in hole (total length 692'). MI&RU csg crew. RIH w/17  
jts 5-1/2 19# csg w/saw tooth turned down collar on btm.  
Ran csg in w/3-1/2" jars, accelerators & 4 4-3/4 DC's to  
4100'. Circ'd & mixed gel & maintained 38-40 vis. RIH to  
4700' & hit bridge. RU power swivel & attempted to rev  
circ & pmp'd into frm. Est conv circ. Rotated & washed  
thru bridge & circ'd btms up. Washed down 5 jts reciprocating  
ea jt 4 or 5 times. 9/24 Washed to top of fish @  
5345 & over fish to 5807. Did not make any hole for next  
hr; string torquing up. Circ'd btms up & POOH. Put on new  
sawtooth collar & RIH to 10' above collars & hit bridge.  
RU power swivel & rotated & washed over fish. Lost about  
70 bbls mud. 9/25 Circ'd btms up & washed down to 5807.  
Reciprocated pipe every jt. Circ'd & cond hole. POOH &  
LD 23 jts. RU power swivel to make short trip. Circ'd &  
washed over all DC's to top of bit. Fish appeared fairly  
free all the way down. Circ'd 1-1/2 hrs. POOH; prep to  
RIH w/overshot.

SEP 26 1977

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4070. Fin'd pull'g WP; shoe 90% worn out.  
(Deepen well) Ran 5-1/2" WP, 4 DC's & jars back to 5345; no fill. Milled  
SEP 27 1977 over fish circ'g ea jt down to 6020.5' & milled to 6021.5'  
in 2 hrs. Circ'd @ 6020. POOH to 5375 & circ'd @ 5375'.

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4070. Pulled 5-1/2 WP & sawtooth unmarked  
(Deepen well) inside. RIH w/overshot, jars, bumper sub & 4 4-3/4 DC's.  
Engaged fish @ 5330 & jar'd & bumped 20 mins; drove fish 2'  
down hole. Jar'd & came loose; could not reengage fish.  
POOH. Had 15' 2-7/8 hyd in overshot; pin failure on hyd  
tbg. RIH w/5-3/4" OD overshot, jars, bumper sub & DC's.  
Engaged top DC. MI&RU Newsco 1" CTU. RIH to 5325 & could  
SEP 28 1977 not get deeper. POOH; Newsco 1-1/8" shoe indicated some-  
thing flat & hard inside string. RD&MO Newsco. RU to  
start jar'g. Pulled up & pulled enough wt to have fish.

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4070. Jar'd on f 10 mins; came loose. (Deepen well) POOH; 5 DC's plug'd w/shale & 4 DC's pin & boxes washed out. Ran new Hughes J33 bit & DC's in hole. Washed & reamed 5805-6042. Drld 6042-6168. SEP 29 1977

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4070. Drld 6168-6300 & circ'd btms up. TIH (Deepen well) & reamed thru bridge @ 5777' & back to btm. Trip'g up to 7" csg @ 4165 & back to bridge @ 6120. Reamed back to btm & circ'd. Dev: 2 deg @ 6270'. Schl ran DLL, spontaneous potential & GR logs; no bridges. SEP 30 1977

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4070. 9/30 RD Schl. Ran 7" Bkr full bore (Deepen well) pkr; stop'd @ 3730. POOH & ran Bkr csg scraper to btm. Ran pkr; stop'd @ 3730 (same place). 10/1 Ran Bkr pkr w/sml OD & set pkr @ 4128 w/25,000# tension. Opened unloader & displ'd mud in tbg to pkr w/prod wtr (30 bbls). Swb'd to pit 220 bbls (190 bbls mud & 30 BW). Rec'd tar in tbg after swb'g 130 bbls total fluid. Cont'd swb'g. Pmp'd 20 bbls diesel down tbg @ 7 p.m. & SD. OCT 03 1977

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4070. 12-hr SITP 400#. Swb'd 8 hrs; FL 3800'. (Deepen well) Swb'g off SN @ 4128'. Rec'd 138 bbls muddy wtr; chlorides 9000 ppm. Opened pkr unloader & circ'd mud out of annulus. Reset pkr @ 2953 w/20,000# tension. Spt'd 10 bbls wt'd, gelled, dbl-inh'd, 15% HCl acid @ 3055' & let acid soak overnight. OCT 04 1977

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4070. Ran Bkr 7" loc-set pkr & 94 jts 2-7/8 (Deepen well) tbg. Displ'd annulus w/tretolite chemicals K700 & K470 in frh wtr. Set pkr @ 2862 w/8000# tension. Removed BOP & installed SWD x-mas tree head. Inj'd 750 bbls SW @ 1150# @ 1-1/2 B/M. OCT 05 1977

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4070. Released WOW rig & turned well over to (Deepen well) prod. Well took 1596 bbls prod wtr in 24 hrs. OCT 06 1977

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4070. Gauge not available. (Deepen well) OCT 07 1977

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4070. On 10/6 inj'd 1600 B/D @ 1200 psi. (Deepen well) (Report discontinued until further activity) OCT 10 1977

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4070. (RRD 10/10/77) MI&RU WOW #17. (Deepen well) OCT 25 1977

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4070. Installed 6" BOP & pulled 2-7/8 tbg & (Deepen well) 7" pkr. Ran 6-1/8 Hughes J33 bit, 2 4-1/4 spiral DC's, 1 set 4-1/4 bumper sub, 1 set 4-1/4 hyd jars, 4 4-1/4 spiral DC's & 2-7/8 PH6 hyd workstring. Tag'd fill @ 4170. Washed & reamed 4170-4735. OCT 26 1977

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4070. Washed & reamed open hole 4765-6304. (Deepen well) Made short trip to 7" csg @ 4170; bit drag'g. Jar'd thru tight spts @ 5582, 5518 & 4915. Reran thru tight spts @ 4815, 5140, 5357 & 5422. OCT 27 1977

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4070. Washed & reamed 5422-6304 & circ'd on  
(Deepen well) btm. Pulled bit to 5422. Hit tight spt & bit stuck.  
Jar'd thru tight spt & lost 50 bbls mud attempt'g to circ.  
Bit came loose; POOH to 4100'. No drag 6304-4100 except  
@ 5422. Displ'd mud in tbg w/prod wtr & closed pipe rams.  
Pmp'd 186 bbls 1st hr & 158 bbls 2nd hr @ avg rate of  
3 B/M @ 1100 psi. Bled off press after inj test. RIH  
w/bit to 4500. Washed & reamed 4500-4850 & blt & mixed  
vol. OCT 28 1977

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4070. 10/28 Washed & reamed 4850-6304 &  
(Deepen well) circ'd on btm. TOOH to 4100 w/no drag. TIH to 4787 &  
washed & reamed to 4819. Washed & reamed to 5201-5453.  
Circ'd & POOH; hvy drag 5422-5201. RIH & washed & reamed  
5201-5453. 10/29 Washed & reamed to 6304 & circ'd. Ran  
5-7/8 collars & 57 jts 5-1/2 csg w/turned down collars.  
Ran 5-1/2 Bowen slip type csg spear w/pack off in top jt &  
bumper sub, jars, DC's & hyd tbg. Set down w/20,000# @  
OCT 31 1977 4787, 5201-5453 & worked thru to 6272. Circ'd & washed  
6272-6300. Released 5-1/2 csg spear & POOH. SI well.

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4070. LD 5 DC's. Ran 4-1/8 mill & tbg to  
(Deepen well) btm @ 6290. Washed & CO to 6302. Displ'd mud in hole  
NOV 01 1977 w/prod wtr. Pulled & LD 2-7/8 PH6 hyd workstring & mill.

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4070. RU OWP & perf'd 5-1/2 liner @ 6026-6007  
(Deepen well) w/2 holes/ft (40 holes), 5974-5955 (40 holes), 5854-5835  
(40 holes), 5720-5701 (40 holes), 5554-5535 (40 holes),  
5494-5475 (40 holes) & 5304-5285 (40 holes). Perf'd w/4"  
csg gun w/19 grm chrgs & .450 diameter holes. Made 7 runs  
for a total of 280 holes. RIH w/Bkr 7" loc-set pkr; had  
trbl w/pkr set'g prematurely every 2 or 3'. POOH w/pkr.  
Sent pkr out to be repaired. SD for night. NOV 02 1977

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4070. Ran loc-set pkr & 94 jts 2-7/8 plastic-  
(Deepen well) coated tbg. Displ'd annulus w/inh'd wtr. Set pkr @ 2862.  
Press tested backside to 1000 psi, ok. Removed BOP,  
installed tree & hooked up to inj line. Started inj'g SW  
@ 1:30 p.m. 11/2. Inj'd 3410 BW in 18 hrs. Released rig  
& turned well over to prod. NOV 03 1977

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4070. No gauge available. 11/4/77  
(Deepen well)

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4070. Gauge not available.  
(Deepen well) NOV 07 1977

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4070. Gauge not available.  
(Deepen well)

NOV 08 1977

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4070. Inj'd 3156 bbls @ 850 psi.  
(Deepen well)

NOV 09 1977

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4070. Inj'd 1436 bbls @ 800 psi.  
(Deepen well)

NOV 10 1977

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4070. Inj'd 1842 bbls @ 900 psi.  
(Deepen well)

NOV 11 1977

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4070. Inj'd 1850 bbls @ 900 psi.  
(Deepen well)

NOV 14 1977

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4070. Inj'd 515 bbls @ 900 psi.  
(Deepen well)

NOV 15 1977

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4070. Inj'd 1746 bbls @ 900 psi.  
(Deepen well)

NOV 16 1977

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4070. Prior to work, well would not take wtr  
(Deepen well) @ 1300 psi. After work, well is inj'g an avg of 3.2 B/M @  
875 psi.

NOV 17 1977

FINAL REPORT

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPPLICATE\*  
(Other instructions on re-verse side)

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> SWD		5. LEASE DESIGNATION AND SERIAL NO. Patented
2. NAME OF OPERATOR Shell Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 1700 Broadway, Denver, Colorado 80290		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1988' FWL & 641' FSL Section 4		8. FARM OR LEASE NAME G. Hanson
14. PERMIT NO.		9. WELL NO. 2-4B3 SWD
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 6157 KB		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SE/4 SW/4 Section 4-T2S-R3W
		12. COUNTY OR PARISH Duchesne
		18. STATE Utah

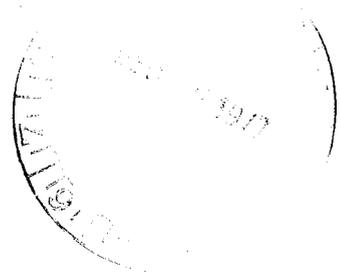
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

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

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

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

See attachment



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

SIGNED R. Plaudy TITLE Div. Opers. Engr. DATE 12/7/77

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

cc: USGS w/attachment

DEEPEN WELL

SHELL OIL COMPANY

FROM: 9/7 - 11/17/77

LEASE

DIVISION

COUNTY

G. HANSON

WESTERN

DUCHESNE

WELL NO.

ELEV

STATE

ALTAMONT

2-4B3 SWD

6157 KB

UTAH

UTAH

ALTAMONT

Shell-G. Hanson 2-4B3 SWD  
(Deepen well)

"FR" TD 4165. PB 4070. AFE #425171 provides funds to remove inj equip, deepen well to 6300, install uncmt'd 5-1/2" liner, test & return to inj of SW. 9/6 MI&RU WOW #17. Left well flw'g back wtr to pit.

SEP 07 1977

Shell-G. Hanson 2-4B3 SWD  
(Deepen well)

SEP 08 1977

TD 4165. PB 4070. Well trickl'g back wtr. Removed WH & installed & tested BOP's. PU tbg off donut & unlatched from pkr. POOH & LD tbg in sgls. PU Bkr pkr picker, 15 4" DC's, 70 jts 2-7/8 PH6 8.7# hyd workstring. SI well.

Shell-G. Hanson 2-4B3 SWD  
(Deepen well)

TD 4165. PB 4070. Latched into Md1 D pkr w/pkr picker. Milled out Md1 D. POOH & LD pkr remnants & pkr picker. RIH w/6-1/8 bit to 2800'. PU 10 jts 2-7/8 hyd tbg & SI well overnight.

SEP 09 1977

Shell-G. Hanson 2-4B3 SWD  
(Deepen well)

TD 4165. PB 4070. PU 10 jts 2-7/8 hyd tbg; had scale. Drld & washed down 18 more jts to top of FC @ 4078. Drld hard cmt to csg shoe & drld on shoe 2 hrs; made no hole. POOH; bit completely worn out & junk catcher full. SI well.

SEP 12 1977

Shell-G. Hanson 2-4B3 SWD  
(Deepen well)

TD 4165. PB 4070. RIH w/4" magnet on sdline. Made 2 runs & rec'd sml amt filings ea run; no chunks. RIH w/6-1/8 bit. Drld 150' in 7 hrs (22,000# on bit - 80 RPM). Circ'd @ 4 B/M; circ'd hole clean. Pulled bit into csg & SI for night.

SEP 13 1977

Shell-G. Hanson 2-4B3 SWD  
(Deepen well)

TD 4165. PB 4070. Drlg @ 4452; had 20' fill overnight. Drld 156' in 10 hrs & circ'd hole clean. Pulled bit up into csg & SD for night.

SEP 14 1977

Shell-G. Hanson 2-4B3 SWD  
(Deepen well)

TD 4165. PB 4070. Had 60' fill overnight. Drld 140' 6-1/8" hole (native mud). Circ'd hole clean. Pulled bit up into 7" csg & SD for night. (Total hrs on Bit #2 - 27 w/446' footage)

SEP 15 1977

Shell-G. Hanson 2-4B3 SWD  
(Deepen well)

TD 4165. PB 4070. Circ'd out 60' fill to btm. Drld to 4598 & circ'd hole clean. Ran totco - dev. 1 deg @ 4590. RIH & drld to 4630 & circ'd hole clean. Pulled up into 7" csg & SI overnight.

SEP 16 1977

Shell-G. Hanson 2-4B3 SWD 4165. PB 4070. 9/16 Drld 464790 in 8 hrs. Circ'd hole clean. Pulled bit up into 7" csg. Circ'g out fill @ 4400' (400' fill in 2 days).

SEP 19 1977

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4070. Drlg @ 5141. Washed out fill from 4390-4790 & drld 4790-5141.

SEP 20 1977

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4070. Circ'g btms up. Drld 5141-5248 (107') then circ'd for survey. Dev: 3 deg @ 5218'. Drld w/new bit from 5248-5356. Washed & reamed 4929-5248.

SEP 21 1977

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4070. Reran survey; 1 deg @ 5340'. Drld 5356-5761.

SEP 22 1977

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4070. Drld 281' to 6042. Made connection & started to resume drlg & was stuck. Worked pipe w/o success. Pmp'd into frm @ 4 B/M @ 2000 psi. MI&RU Go Int'l & RIH w/frept. Frept on btm jt 2-7/8"; top 4-3/4 collar stuck.

SEP 23 1977

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4070. Cut hyd tbg @ 5345 (15' above collars) w/chem cutter & POOH. RD&MO Go. Pulled 5345' hyd tbg. Left 15' 2-7/8 hyd tbg, xover, 22 4-3/4 DC's & 6-1/8 button bit in hole (total length 692'). MI&RU csg crew. RIH w/17 jts 5-1/2 19# csg w/saw tooth turned down collar on btm. Ran csg in w/3-1/2" jars, accelerators & 4 4-3/4 DC's to 4100'. Circ'd & mixed gel & maintained 38-40 vis. RIH to 4700' & hit bridge. RU power swivel & attempted to rev circ & pmp'd into frm. Est conv circ. Rotated & washed thru bridge & circ'd btms up. Washed down 5 jts reciprocating ea jt 4 or 5 times. 9/24 Washed to top of fish @ 5345 & over fish to 5807. Did not make any hole for next hr; string torquing up. Circ'd btms up & POOH. Put on new sawtooth collar & RIH to 10' above collars & hit bridge. RU power swivel & rotated & washed over fish. Lost about 70 bbls mud. 9/25 Circ'd btms up & washed down to 5807. Reciprocated pipe every jt. Circ'd & cond hole. POOH & LD 23 jts. RU power swivel to make short trip. Circ'd & washed over all DC's to top of bit. Fish appeared fairly free all the way down. Circ'd 1-1/2 hrs. POOH; prep to RIH w/overshot.

SEP 26 1977

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4070. Fin'd pull'g WP; shoe 90% worn out. Ran 5-1/2" WP, 4 DC's & jars back to 5345; no fill. Milled over fish circ'g ea jt down to 6020.5' & milled to 6021.5' in 2 hrs. Circ'd @ 6020. POOH to 5375 & circ'd @ 5375'.

SEP 27 1977

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4070. Pulled 5-1/2 WP & sawtooth unmarked inside. RIH w/overshot, jars, bumper sub & 4 4-3/4 DC's. Engaged fish @ 5330 & jar'd & bumped 20 mins; drove fish 2' down hole. Jar'd & came loose; could not reengage fish. POOH. Had 15' 2-7/8 hyd in overshot; pin failure on hyd tbg. RIH w/5-3/4" OD overshot, jars, bumper sub & DC's. Engaged top DC. MI&RU Newsco 1" CTU. RIH to 5325 & could not get deeper. POOH; Newsco 1-1/8" shoe indicated something flat & hard inside string. RD&MO Newsco. RU to start jar'g. Pulled up & pulled enough wt to have fish.

SEP 28 1977

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4070. Jar'd on f h 10 mins; came loose. POOH; 5 DC's plug'd w/shale & 4 DC's pin & boxes washed out. Ran new Hughes J33 bit & DC's in hole. Washed & reamed 5805-6042. Drld 6042-6168. SEP 29 1977

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4070. Drld 6168-6300 & circ'd btms up. TIH & reamed thru bridge @ 5777' & back to btm. Trip'g up to 7" csg @ 4165 & back to bridge @ 6120. Reamed back to btm & circ'd. Dev: 2 deg @ 6270'. Schl ran DLL, spontaneous potential & GR logs; no bridges. SEP 30 1977

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4070. 9/30 RD Schl. Ran 7" Bkr full bore pkr; stop'd @ 3730. POOH & ran Bkr csg scraper to btm. Ran pkr; stop'd @ 3730 (same place). 10/1 Ran Bkr pkr w/sml OD & set pkr @ 4128 w/25,000# tension. Opened unloader & displ'd mud in tbg to pkr w/prod wtr (30 bbls). Swb'd to pit 220 bbls (190 bbls mud & 30 BW). Rec'd tar in tbg after swb'g 130 bbls total fluid. Cont'd swb'g. Pmp'd 20 bbls diesel down tbg @ 7 p.m. & SD. OCT 03 1977

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4070. 12-hr SITP 400#. Swb'd 8 hrs; FL 3800'. Swb'g off SN @ 4128'. Rec'd 138 bbls muddy wtr; chlorides 9000 ppm. Opened pkr unloader & circ'd mud out of annulus. Reset pkr @ 2953 w/20,000# tension. Spt'd 10 bbls wt'd, gelled, dbl-inh'd, 15% HCl acid @ 3055' & let acid soak overnight. OCT 04 1977

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4070. Ran Bkr 7" loc-set pkr & 94 jts 2-7/8 tbg. Displ'd annulus w/tretolite chemicals K700 & K470 in frh wtr. Set pkr @ 2862 w/8000# tension. Removed BOP & installed SWD x-mas tree head. Inj'd 750 bbls SW @ 1150# @ 1-1/2 B/M. OCT 05 1977

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4070. Released WOW rig & turned well over to prod. Well took 1596 bbls prod wtr in 24 hrs. OCT 06 1977

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4070. Gauge not available. OCT 07 1977

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4070. On 10/6 inj'd 1600 B/D @ 1200 psi. (Report discontinued until further activity) OCT 10 1977

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4070. (RRD 10/10/77) MI&RU WOW #17. OCT 25 1977

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4070. Installed 6" BOP & pulled 2-7/8 tbg & 7" pkr. Ran 6-1/8 Hughes J33 bit, 2 4-1/4 spiral DC's, 1 set 4-1/4 bumper sub, 1 set 4-1/4 hyd jars, 4 4-1/4 spiral DC's & 2-7/8 PH6 hyd workstring. Tag'd fill @ 4170. Washed & reamed 4170-4735. OCT 26 1977

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4070. Washed & reamed open hole 4765-6304. Made short trip to 7" csg @ 4170; bit drag'g. Jar'd thru tight spts @ 5582, 5518 & 4915. Reran thru tight spts @ 4815, 5140, 5357 & 5422. OCT 27 1977

Shell-G. Hanson 2-4B3 SWD TD 4165. PB 4070. Washed & reamed 5422-6304 & circ'd on  
(Deepen well) btm. Pulled bit to 5422. Hit tight spt & bit stuck.  
Jar'd thru tight spt & lost 50 bbls mud attempt'g to circ.  
Bit came loose; POOH to 4100'. No drag 6304-4100 except  
@ 5422. Displ'd mud in tbg w/prod wtr & closed pipe rams.  
Pmp'd 186 bbls 1st hr & 158 bbls 2nd hr @ avg rate of  
3 B/M @ 1100 psi. Bled off press after inj test. RIH  
w/bit to 4500. Washed & reamed 4500-4850 & blt & mixed  
vol. OCT 28 1977

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(Deepen well)

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875 psi. NOV 17 1977  
FINAL REPORT



SCOTT M. MATHESON  
Governor

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON  
*Executive Director,*  
NATURAL RESOURCES

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING  
1588 West North Temple  
Salt Lake City, Utah 84116  
(801) 533-5771  
December 6, 1978

I. DANIEL STEWART  
*Chairman*

CLEON B. FEIGHT  
*Director*

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

Shell Oil Company  
1700 Broadway  
Denver, Colorado 80202

Re: PLEASE SEE ATTACHED SHEET  
FOR WELLS AND MONTHS NEEDED

Gentlemen:

Our records indicate that you have not filed a "Monthly Disposal Well Report" for the months indicated above on the subject well(s).

In accordance with Rule C-11, General Rules and Regulations and Rules of Practice and Procedure, it is required that a report be filed each month on or before the sixteenth (16) day of the succeeding month following injection. This report may be filed on the enclosed form, or on company forms containing substantially the same information. We are enclosing forms for your convenience.

In order that we may keep our records accurate and complete, a report is still required each month, whether or not fluids are being injected.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

*Kathy Avila*

KATHY AVILA  
RECORDS CLERK

Monthly Disposal Report, Attachment

- 1- SWD 1-27A4  
Sec. 27, T. 1S, R. 4W,  
Duchesne County, Utah  
September 1978 thru' October 1978
  
- 2- G. Hanson 2-4B3  
Sec. 4, T. 2S, R. 3W,  
Duchesne County, Utah  
September 1978 thru' October 1978
  
- 3- Erich SWD 2-11B5  
Sec. 11, T. 2S, R. 5W,  
Duchesne County, Utah  
September 1978 thru' October 1978
  
- 4- LDS Church 2-27B5  
Sec. 27, T. 2S, R. 5W,  
Duchesne County, Utah  
September 1978 thru' October 1978

PLEASE NOTE: Sample cannot be analysed until all blanks are filled in (Slip must accompany sample)

STATE OF UTAH  
DEPARTMENT OF SOCIAL SERVICES  
DIVISION OF HEALTH  
44 MEDICAL DRIVE  
SALT LAKE CITY, UTAH 84113

DO NOT WRITE HERE  
Sample Received on \_\_\_\_\_  
Analysis Authorization \_\_\_\_\_

WATER SAMPLE FOR CHEMICAL ANALYSIS   
WATER SAMPLE FOR RADIOLOGIC ANALYSIS

SAMPLE COLLECTED FROM: (check one)

Stream  Spring  Well   
City or Town water distribution system   
Other  (describe) \_\_\_\_\_

EXACT DESCRIPTION OF SAMPLING POINT: (see note on reverse side) \_\_\_\_\_

At shell Well #2- 4B3 Sec. 4, T2S, R3W, USM

STATE ENGINEER'S APPLICATION OR CLAIM NO. \_\_\_\_\_

SUPPLY OWNED BY: Shell Oil

PRESENT USE OF SUPPLY: \_\_\_\_\_

PROPOSED USE OF SUPPLY: Injection of Waste

SAMPLE COLLECTED BY: Paul Burchell DATE: 11-19-74

REPORT RESULTS TO: Norman V. Chamberlain PHONE: \_\_\_\_\_

Address: Bldg 72

DO NOT WRITE BELOW DOUBLE LINE

RESULTS OF ANALYSIS

Turbidity <u>168</u>	J.T.U.	Iron (total) as Fe	<u>23.00</u> mg/l
Conductivity <u>77,800</u>	micromhos/cm	Iron in filtered <u>sample</u>	<u>1.00</u> mg/l
pH	<u>6.30</u>	Lead as Pb	_____ mg/l
Total Dissolved Solids	_____	Magnesium as Mg	<u>3.99</u> mg/l
Alkalinity(total) as CaCO <sub>3</sub>	<u>34</u> mg/l	Manganese as Mn	<u>0.31</u> mg/l
Aluminum as Al	_____ mg/l	Mercury as Hg	<u>0.0</u> mg/l
Arsenic as As	_____ mg/l	Nitrate as N	_____ mg/l
Barium as Ba	_____ mg/l	Nitrite as N	_____ mg/l
Bicarbonate as HCO <sub>3</sub>	<u>42</u> mg/l	Phosphate as P	_____ mg/l
Boron as B	_____ mg/l	Phenols as Phenol	_____ mg/l
Cadmium as Cd	<u>1488</u> mg/l	Potassium as K	<u>22</u> mg/l
Calcium as Ca	_____ mg/l	Selenium as Se	_____ mg/l
Carbonate as CO <sub>3</sub>	<u>0</u> mg/l	Silica as SiO <sub>2</sub>	<u>13</u> mg/l
Chloride as Cl	<u>29,500</u> mg/l	Silver as Ag	_____ mg/l
Chromium(hexavalent) as Cr	_____ mg/l	Sodium as Na	<u>18,200</u> mg/l
Copper as Cu	<u>0.12</u> mg/l	Sulfate as SO <sub>4</sub>	<u>6400</u> mg/l
Cyanide as CN	_____ mg/l	Surfactant as MBAS	_____ mg/l
Fluoride as F	_____ mg/l	Zinc as Zn	<u>0.09</u> mg/l
Hardness(total) as CaCO <sub>3</sub>	<u>5360</u> mg/l	Total Alpha	_____ pci/l
Hydroxide as OH	<u>0</u> mg/l	Total beta	_____ pci/l
Ammonia N as N	_____ mg/l	Tritium	_____ nci/l
		Nickel, Ni.	_____ mg/l



SCOTT M. MATHESON  
Governor

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON  
Executive Director,  
NATURAL RESOURCES

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS, AND MINING

1588 West North Temple

Salt Lake City, Utah 84116

(801) 533-5771

CHARLES R. HENDERSON  
Chairman

JOHN L. BELL  
C. RAY JUVELIN  
THADIS W. BOX  
CONSTANCE K. LUNDBERG  
EDWARD T. BECK  
E. STEELE McINTYRE

CLEON B. FEIGHT  
Director

TO: All Water Disposal Well  
Operators

DATE: September 30, 1980

FROM: CLEON B. FEIGHT

SUBJECT: Waste Water Disposal  
Well's

A recent survey of the WDW'S in the Uintah Basin was made and the following apparent deficiencies were noted:

(1) If a high-low pressure shut-off switch was installed, in most instances the high shut-off was far above the formation break-down pressure. Also, on many wells, a pressure chart or gauge for injection pressure had not been installed.

(At this point we'd like to remind all operators that one of the conditions for the utilization of WDW'S was the selection of 0.5/lb. square inch/ft. of depth as the overall formation fracture gradient).

(2) In numerous cases we were unable to determine the presence of a recording device or meter for daily volume injected. (This Division does not at this time specify the type of recording device to be utilized, however, in the case of continued absence of any recorder, it shall and will be the prerogative of the Division to shut the WDW in until such time a working recording device is installed).

(3) Housekeeping in many areas is totally inadequate, and results in unnecessary pollution.

(4) Well identification signs were missing on several locations.

This Division would appreciate if all operators would take immediate steps to put these wells in proper operating order no later than October 30, 1980.

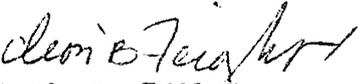
Due to the recent adoption of Rules & Regulations for underground injection of produced water, as well as secondary recovery, etc. by the EPA, a representative from said agency will accompany a member of this Division on our November inspection.

Memo  
September 30, 1980  
Page Two

So at this time we ask and hope that these wells be in First Class condition.

THANK YOU

DIVISION OF OIL, GAS AND MINING

  
CLEON B. FEIGHT  
DIRECTOR

CBF/bjh

Shell Oil Company



P.O. Box 831  
Houston, Texas 77001

October 23, 1981

Asamera Oil (U.S.) Inc.  
ATTN Mr. Homer D. Austin  
One Denver Place, Suite 355  
999 18th Street  
Denver, Colorado 80202

Gentlemen:

SUBJECT: SHELL - SWD 2-4B3, ALTAMONT FIELD  
DUCHESE COUNTY, UTAH

Pursuant to your verbal request we have examined our records for subject water disposal well and find that a maximum volume of 9000 barrels of water was disposed of on January 8, 1979 at a maximum injection pressure of 1250 psig. These data are shown on the attached copy of our Disposal Well Report for January, 1979. Such reports are filed monthly with the Division of Oil, Gas and Mining, State of Utah.

SWD 2-4B3 is performing satisfactorily with no indication that the recorded maximum disposal volumes and pressures have had any adverse effect.

Sincerely,

Original signed by:  
J. D. Hellings

J. D. Hellings  
Manager Production Administration  
Rocky Mountain Division  
Western E&P Operations

FTB/br

cc: Division of Oil, Gas and Mining ← THIS COPY FOR  
State of Utah  
1588 West North Temple  
Salt Lake City, Utah 84116  
ATTN Mr. Minder

*10/20/81*

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. LEASE DESIGNATION AND SERIAL NO. PATENTED

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME G. HANSON

9. WELL NO. 2-483 SWD

10. FIELD AND POOL, OR WILDCAT ALTAMONT

11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA SE 1/4 SW 1/4 T2S R3W

12. COUNTY OR PARISH DUCHESSNE 13. STATE UTAH

1. OIL WELL  GAS WELL  OTHER SALT WATER DISPOSAL

2. NAME OF OPERATOR SHELL OIL COMPANY

3. ADDRESS OF OPERATOR P.O. Box 831 HOUSTON, TX 77001 ATTN: P.G. GELLING RM. # 459 WCK

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\* See also space 17 below.)  
At surface 641' FSL + 1988' FWL SEC. 4

14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, CR, etc.) 6157' KB

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

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

(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

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

DATE: 6/28/82  
BY: [Signature]

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

SIGNED [Signature] TITLE DIV. PROD. ENGINEER DATE 6-8-82  
W. F. N. KELLDORF

(This space for Federal or State office use)

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

STIMULATION WORKSHEET  
G. HANSON 2-4B3 (SWD)  
SECTION 4, T2S, R3W  
DUCHESNE COUNTY, UTAH  
ALTAMONT FIELD

Pertinent Data:

Status: Injecting 3300 BWPD @ 1400 psi surface pressure.  
Elevation: 6130' GL  
KB-GL: 27'  
TD: 6304'  
Casing: 7", 26#, K-55, surface to 4165'  
Liner: 5-1/2", 14#, K-55 uncemented liner. Hanger at 4109', shoe at 6300'.  
Packer: 7" Baker Lok-Set at 2862'  
Perforations: 3000'-4074' (636 holes) in 7" casing  
5285'-6026' (280 holes) in 5-1/2" liner  
Current Status: Injecting 3000 B/D at 1400 psi.

Proposed Operation:

Acid treat to improve injectivity.

1. Pump 5000 gallons of toluene (heated to 120-130°F) down tubing and follow with 25± bbls of clean produced water. Attempt to pump at less than 1 BPM but do not exceed 1000 psi surface pressure.
2. Allow well to soak for 4-6 hours before continuing with program.
3. Pump 10,000 gallons of inhibited 15% HCl (see note) down tubing and follow with 25± bbls clean produced water containing 2 gallons tretolite x-cide 102 biocide. Attempt to pump at less than 1 BPM but do not exceed 900 psi surface pressure.
4. Allow well to soak 2-4 hours.
5. Return well to injection. Report rates and pressures on morning wire until injectivity stabilizes.

Note: a. Obtain safety and handling requirements for all fluids to be pumped.  
b. Add the following to each 1000 gallons of acid: 1 gallon of corrosion inhibitor (Dowell's A200 or equivalent), 2 gallons of non-ionic wetting agent (surfactant), and 10 pounds of citric acid powder as a sequestrant. Be certain that all chemicals are mixed thoroughly before pumping.

WFK

Recommended WFK 4-19-82

Approved [Signature]

BJH:SJP [Signature]  
4/19/82

Date 4/19/82

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

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

<p>1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER SALT WATER DISPOSAL</p> <p>2. NAME OF OPERATOR <u>Shell Oil Company</u></p> <p>3. ADDRESS OF OPERATOR <u>P.O. Box 831 Houston, TX 77001 ATTN: P.G. GELLING RM # 6459 WCK</u></p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <u>641' FSL + 1988' FWL Sec. 4</u></p>		<p>5. LEASE DESIGNATION AND SERIAL NO. <u>PATENTED</u></p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME</p> <p>8. FARM OR LEASE NAME <u>G. HANSON</u></p> <p>9. WELL NO. <u>2-463 SWD</u></p> <p>10. FIELD AND POOL, OR WILDCAT <u>ALTAMONT</u></p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <u>SE 1/4 SW 1/4 T2S R3W</u></p> <p>12. COUNTY OR PARISH <u>Duchesne</u></p> <p>13. STATE <u>Utah</u></p>
<p>14. PERMIT NO.</p>	<p>15. ELEVATIONS (Show whether DF, RT, OR, etc.) <u>6157' KB</u></p>	

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

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

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 *[Signature]* TITLE DIVISION PROD. ENGINEER DATE 7-29-82

W. F. N. KEDDORF

(This space for Federal or State office use)

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

ALTAMONT OPERATIONS  
DAILY COMPLETIONS AND REMEDIALS REPORT  
WELL HISTORY FOR WELL 391  
ISSUED 07/12/82

WELL: G. MANSON 2-4B3 S.W.D.  
LABEL: FIRST REPORT  
AFE: 571227  
FOREMAN: D. M. SCHIMMELS  
RIG: NONE  
OBJECTIVE: IMPROVE INJECTIVITY  
AUTH. AMNT: 50000  
DAILY COST: 27300  
CUM COST: 27300  
DATE: 6-23-82 AND 6-24-82  
ACTIVITY:  
\*02\* 6-23-82 FIRST REPORT ON AFE 571227 WHICH PROVIDES  
FUNDS IN THE AMOUNT OF 50000 TO STIMULATE WELL AND  
\*03\* IMPROVE INJECTIVITY. ACTIVITY: MIRU NOWSCO.  
\*04\* HELD SAFETY MEETING. PSI TEST LINES TO 1500 PSI.  
\*05\* PUMPED 105 BBLs. XYLENE AND 25 BBLs PROD. WTR. FLUSH.  
\*06\* RATES: MAX 1 BPM AVG 1 BPM MIN 1 BPM. PRESSURE  
\*07\* MAX 1310 PSI AVG 1240 PSI MIN 1190 PSI. SHUT  
\*08\* WELL IN 4 HRS. BACKFLOW WELL 1 HR. APPROX 200 BBLs  
\*09\* PUMPED 145 BBLs. 15% INHIB. HCL. SHUT DOWN 1 1/4  
\*10\* HRS. FOR WELDER TO REPAIR LEAK IN MANIFOLD. PUMPED  
\*11\* REMAINDER OF HCL AND 25 BBLs. PROD. WTR. FLUSH.  
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STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

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

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SEE ATTACHED

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

SIGNED [Signature] TITLE DIVISION PROD. ENGINEER DATE 7-29-82  
(W. F. N. KELDORF)

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
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DAILY COMPLETIONS AND REMEDIALS REPORT  
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STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPPLICATE\*  
(Other instructions on  
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4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>641' FSL + 1988' FWL SEC. 4</b>		8. FARM OR LEASE NAME <b>G. HANSON</b>
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, OR, etc.) <b>6157' KB</b>	9. WELL NO. <b>2-483 SWD</b>
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		10. FIELD AND POOL, OR WILDCAT <b>ALTMONT</b>
		11. SEC., T., E., M., OR BLE. AND SURVEY OR AREA <b>SE/4 SW/4 T2S R3W</b>
		12. COUNTY OR PARISH 18. STATE <b>Duchesne Utah</b>

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

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

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
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SEE ATTACHED

RECEIVED

AUG 28 1982

DIVISION OF  
OIL, GAS & MINING

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

SIGNED *W. F. N. KEDDORF* TITLE DIVISION PROD. ENGINEER DATE 7-29-82

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

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DAILY COMPLETIONS AND REMEDIALS REPORT  
WELL HISTORY FOR WELL 391  
ISSUED 07/12/82

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\*15\* OUT OF PIT.

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

WELL INTEGRITY REPORT  
\*\*\*\*\*

DATE: 4-14-83

COMPANY/OPERATOR Shell Oil

Water Disposal Well  Enhanced Recovery Well  Other

API Well Number 43-013-30337 Field Name Buckell Altamont

SEC. 4 TOWNSHIP 25 RANGE 3W WELL NAME/NUMBER Hansen 2-4B3

Lease Name/Number Fee Location SW 1/4 of SW 1/4 COUNTY: Duchesne

\*\*\*\*

INITIAL CONDITIONS:

Long string Rate/Pressure: \_\_\_\_\_ bw/d 1250 psi

Short String Rate/Pressure: N/A bw/d \_\_\_\_\_ psi

Csg-tbg Annulus Pressure: \*275 psi

CONDITIONS DURING TEST:

Long string Pressure: \*\*1125 psi 10 Minutes Time: 2:22 to 2:32

Short string Pressure N/A psi \_\_\_\_\_ Minutes

Csg-tbg Annulus Pressure 1,000 psi

Amount of water added to annulus: \_\_\_\_\_ bbls

AFTER ANNULUS BLEED OFF:

Long string Pressure: 1125 psi

Short string Pressure: N/A psi

Csg-tbg Annulus Pressure: 0 psi

REMARKS: \*\* Pressure bled off before test to 0.  
Pressure stabilized @ 1125 - Annulus  
pressure held for 10 min - well  
demonstrates mechanical integrity.

Mr. Atwood  
Operator Representative (Name)

Shelia Ruth  
UIC FIELD INSPECTOR (Witness)

Clara Knight  
UIC FIELD INSPECTOR (Witness)

CHECKLIST FOR INJECTION WELL APPLICATION AND FILE REVIEW

Operator: Shell Well No. G Hansen 2-483  
 County: Dundee T 29 R 34 Sec. 4 API# 43-013-30337  
 New Well  Conversion  Disposal Well  Enhanced Recovery Well

	<u>YES</u>	<u>NO</u>
UIC Forms Completed	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Plat including Surface Owners, Leaseholders, and wells of available record	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Schematic Diagram	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fracture Information	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pressure and Rate Control	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Adequate Geologic Information	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fluid Source	<u>Groundwater - wastewater</u>	
Analysis of Injection Fluid	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	TDS <u>7849</u>
Analysis of Water in Formation to be injected into	Yes <input type="checkbox"/> No <input type="checkbox"/>	TDS <u>53,000</u>
Known USDW in area	<u>Dundee River - 1000 ft</u> Depth <u>1000</u>	
Number of wells in area of review	Prod. <u>1</u>	P&A <u>0</u>
	Water <u>0</u>	Inj. <u>0</u>
Aquifer Exemption	Yes <input type="checkbox"/> NA <input checked="" type="checkbox"/>	
Mechanical Integrity Test	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
	Date <u>4-14-83</u>	Type <u>1000 PSI - 10 min</u>

Comments: To c - surface

Reviewed by: [Signature]

STATE OF UTAH  
 DIVISION OF OIL, GAS, AND MINING  
 ROOM 4241 STATE OFFICE BUILDING  
 SALT LAKE CITY, UTAH 84114  
 (801) 533-5771  
 (RULE 1-5 & RULE 1-4)

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

IN THE MATTER OF THE APPLICATION OF  
Shell Oil Company  
 ADDRESS P. O. Box 576  
Houston, TX ZIP 77001  
 INDIVIDUAL  PARTNERSHIP  CORPORATION   
 FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR  
 INJECT FLUID INTO THE G. Hanson 2-4B3 WELL  
 SEC. 4 TWP. 2S RANGE 3W  
Duchesne COUNTY, UTAH

CAUSE NO. \_\_\_\_\_

ENHANCED RECOVERY INJ. WELL	<input type="checkbox"/>
DISPOSAL WELL	<input checked="" type="checkbox"/>
LP GAS STORAGE	<input type="checkbox"/>
EXISTING WELL (RULE 1-4)	<input checked="" type="checkbox"/>

APPLICATION

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

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

Lease Name <u>G. Hanson</u>	Well No. <u>2-4 B3</u>	Field <u>Altamont</u>	County <u>Duchesne</u>
Location of Enhanced Recovery Injection or Disposal Well <u>SE SW</u> Sec. <u>4</u> Twp. <u>2S</u> Rge. <u>3W</u>			
New Well To Be Drilled Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Old Well To Be Converted Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Casing Test Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Date <u>11-17-74</u>	
Depth-Base Lowest Known Fresh Water Within 1/2 Mile <u>1000'±</u>	Does Injection Zone Contain Oil-Gas-Fresh Water Within 1/2 Mile YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	State What Salt Water	
Location of Injection Source(s) <u>Adjacent Shell Oil wells</u>	Geologic Name(s) and Depth of Source(s) <u>Green River - Wasatch 12,000'±</u>		
Geologic Name of Injection Zone <u>Duchesne River - Uinta</u>	Depth of Injection Interval <u>3000' to 6026'</u>		
a. Top of the Perforated Interval: <u>3000'</u>	b. Base of Fresh Water: <u>1000'±</u>	c. Intervening Thickness (a minus b) <u>2000'</u>	
Is the intervening thickness sufficient to show fresh water will be protected without additional data? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>			
Lithology of Intervening Zones <u>Interbedded sandstone, siltstone and shale</u>			
Injection Rates and Pressures Maximum <u>6500</u> B/D <u>1350</u> PSI			
The Names and Addresses of Those to Whom Notice of Application Should be Sent. <u>This is an existing salt water disposal well previously approved by the Board on 9-10-74.</u>			

State of Utah  
 County of Harris

B. M. Jobe  
 Applicant

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

Suscribed and sworn to before me this 14th day of October, 1983

SEAL

My commission expires 9/20/85

[Signature]  
 Notary Public in and for Harris County, U.

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

## CASING AND TUBING DATA

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
Surface	9 5/8"	318'	200	surface	cement circulated
Intermediate	none				
Production *	7"	4165'	1065 cu ft	surface	cement circulated
Tubing	2 7/8"	2900'	Baker	Name - Type - Depth of Tubing Packer Model D 2900'	
<b>Total Depth</b>	<b>Geologic Name - Inj. Zone</b>	<b>Depth - Top of Inj. Interval</b>	<b>Depth - Base of Inj. Interval</b>		
6300'	Duchesne River-Uinta	3000'	4074'		

\*5 1/2" liner from 4109' - 6300' uncemented





James F. Smith

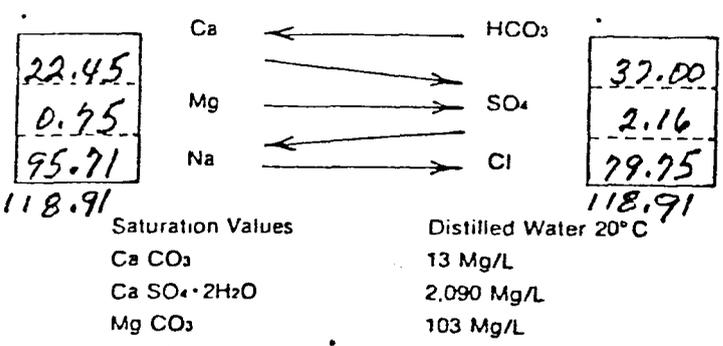
WATER ANALYSIS REPORT

(801) 722-2532

COMPANY \_\_\_\_\_ ADDRESS \_\_\_\_\_ DATE \_\_\_\_\_  
SOURCE 1.27 B5 DATE SAMPLED 3/83 ANALYSIS NO. \_\_\_\_\_

Analysis	Mg/L	Meq/L
1. PH	<u>8.5</u>	
2. H <sub>2</sub> S (Qualitative)		
3. Specific Gravity	<u>1.004</u>	
4. Dissolved Solids	<u>7849.04</u>	
5. Suspended Solids		
6. Phenolphthalein Alkalinity (CaCO <sub>3</sub> )	<u>125</u>	
7. Methyl Orange Alkalinity (CaCO <sub>3</sub> )	<u>1850</u>	
8. Bicarbonate (HCO <sub>3</sub> )	<u>2257</u>	÷ 61 <u>37.00</u>
9. Chlorides (Cl)	<u>2831</u>	÷ 35.5 <u>79.75</u>
10. Sulfates (SO <sub>4</sub> )	<u>103</u>	÷ 48 <u>2.16</u>
11. Calcium (Ca)	<u>449</u>	÷ 20 <u>22.45</u>
12. Magnesium (Mg)	<u>9.11</u>	÷ 12.2 <u>0.75</u>
13. Total Hardness (CaCO <sub>3</sub> )	<u>1160</u>	
14. Total Iron (Fe)	<u>1.2</u>	
15. Barium (Qualitative)		
16. Conductivity (mmHos)	<u>13400</u>	ppm <u>106798</u>
*Milli equivalents per liter	<u>.075</u> RWC	<u>23°</u> C

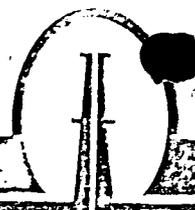
PROBABLE MINERAL COMPOSITION



Compound	Equiv. Wt. X	Meq/L	Mg/L
Ca (HCO <sub>3</sub> ) <sub>2</sub>	81.04	<u>22.45</u>	<u>1819.35</u>
Ca SO <sub>4</sub>	68.07	<u>0</u>	<u>0</u>
Ca Cl <sub>2</sub>	55.50	<u>0</u>	<u>0</u>
Mg (HCO <sub>3</sub> ) <sub>2</sub>	73.17	<u>0.75</u>	<u>54.88</u>
Mg SO <sub>4</sub>	60.19	<u>0</u>	<u>0</u>
Mg Cl <sub>2</sub>	47.62	<u>0</u>	<u>0</u>
Na HCO <sub>3</sub>	84.00	<u>13.80</u>	<u>1159.20</u>
Na <sub>2</sub> SO <sub>4</sub>	71.03	<u>2.16</u>	<u>153.42</u>
Na Cl	58.46	<u>79.75</u>	<u>4662.19</u>

Remarks: Na = 1492 mg/l  
H<sub>2</sub>S = 5.5 ppm

Thank you for the business:



James F. Smith

WATER ANALYSIS REPORT

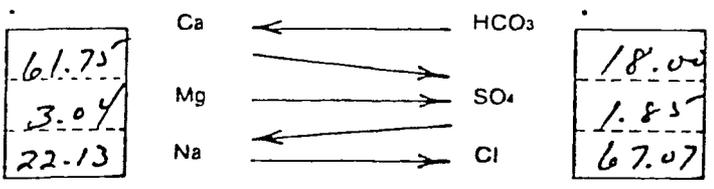
(801) 722-2532

COMPANY \_\_\_\_\_ ADDRESS \_\_\_\_\_ DATE: \_\_\_\_\_

SOURCE 1-34 A 3 DATE SAMPLED 3/83 ANALYSIS NO. \_\_\_\_\_

Analysis	Mg/L	*Meq/L
1. PH	<u>8.50</u>	
2. H <sub>2</sub> S (Qualitative)		
3. Specific Gravity	<u>1.000</u>	
4. Dissolved Solids	<u>5348.50</u>	
5. Suspended Solids		
6. Phenolphthalein Alkalinity (CaCO <sub>3</sub> )	<u>50</u>	
7. Methyl Orange Alkalinity (CaCO <sub>3</sub> )	<u>900</u>	
8. Bicarbonate (HCO <sub>3</sub> )	HCO <sub>3</sub> <u>1098</u>	÷ 61 <u>18.00</u> HCO <sub>3</sub>
9. Chlorides (Cl)	Cl <u>2381</u>	÷ 35.5 <u>67.07</u> Cl
10. Sulfates (SO <sub>4</sub> )	SO <sub>4</sub> <u>89</u>	÷ 48 <u>1.85</u> SO <sub>4</sub>
11. Calcium (Ca)	Ca <u>1235</u>	÷ 20 <u>61.75</u> Ca
12. Magnesium (Mg)	Mg <u>37.06</u>	÷ 12.2 <u>3.04</u> Mg
13. Total Hardness (CaCO <sub>3</sub> )	<u>3240</u>	
14. Total Iron (Fe)	<u>1.7</u>	
15. Barium (Qualitative)		
16. Conductivity	mmHos <u>8800</u>	ppm <u>70136</u>
*Milli equivalents per liter	<u>114</u> RWC <u>23</u> C	

PROBABLE MINERAL COMPOSITION



Saturation Values	Distilled Water 20°C
Ca CO <sub>3</sub>	13 Mg/L
Ca SO <sub>4</sub> · 2H <sub>2</sub> O	2.090 Mg/L
Mg CO <sub>3</sub>	103 Mg/L

Compound	Equiv. Wt. X	Meq/L	= Mg/L
Ca (HCO <sub>3</sub> ) <sub>2</sub>	81.04	<u>18.00</u>	<u>1458.72</u>
Ca SO <sub>4</sub>	68.07	<u>1.85</u>	<u>125.93</u>
Ca Cl <sub>2</sub>	55.50	<u>41.90</u>	<u>2325.45</u>
Mg (HCO <sub>3</sub> ) <sub>2</sub>	73.17	<u>0</u>	<u>0</u>
Mg SO <sub>4</sub>	60.19	<u>0</u>	<u>0</u>
Mg Cl <sub>2</sub>	47.62	<u>3.04</u>	<u>144.76</u>
Na HCO <sub>3</sub>	84.00	<u>0</u>	<u>0</u>
Na <sub>2</sub> SO <sub>4</sub>	71.03	<u>0</u>	<u>0</u>
Na Cl	58.46	<u>22.13</u>	<u>1293.72</u>

Remarks: NA = 345 mg/L

H<sub>2</sub>S = 0

Thank you for the business:



PO BOX 1488 - ROOSEVELT, UTAH 84066

James F. Smith

WATER ANALYSIS REPORT

(801) 722-2532

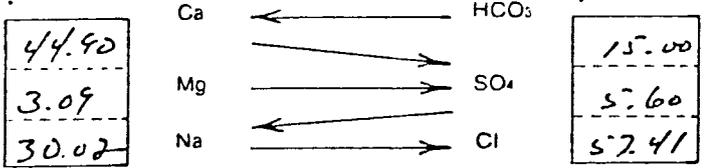
COMPANY \_\_\_\_\_ ADDRESS \_\_\_\_\_ DATE: \_\_\_\_\_

SOURCE 1-34 A 4 DATE SAMPLED 3/83 ANALYSIS NO. \_\_\_\_\_

Analysis	Mg/L	*Meq/L
1. PH	<u>8.10</u>	
2. H <sub>2</sub> S (Qualitative)		
3. Specific Gravity	<u>1.007</u>	
4. Dissolved Solids	<u>4847.56</u>	
5. Suspended Solids		
6. Phenolphthalein Alkalinity (CaCO <sub>3</sub> )	<u>0</u>	
7. Methyl Orange Alkalinity (CaCO <sub>3</sub> )	<u>750</u>	
8. Bicarbonate (HCO <sub>3</sub> )	HCO <sub>3</sub> <u>915</u>	÷ 61 <u>15.00</u> HCO <sub>3</sub>
9. Chlorides (Cl)	Cl <u>2038</u>	÷ 35.5 <u>57.41</u> Cl
10. Sulfates (SO <sub>4</sub> )	SO <sub>4</sub> <u>269</u>	÷ 48 <u>5.60</u> SO <sub>4</sub>
11. Calcium (Ca)	Ca <u>898</u>	÷ 20 <u>44.90</u> Ca
12. Magnesium (Mg)	Mg <u>37.67</u>	÷ 12.2 <u>3.09</u> Mg
13. Total Hardness (CaCO <sub>3</sub> )	<u>2400</u>	
14. Total Iron (Fe)	<u>.50</u>	
15. Barium (Qualitative)		
16. Conductivity	mmHos <u>11500</u>	ppm <u>9165.5</u>
*Milli equivalents per liter	<u>.087</u> RWC <u>23</u> C	

PROBABLE MINERAL COMPOSITION

Compound	Equiv. Wt. X	Meq/L	= Mg/L
Ca (HCO <sub>3</sub> ) <sub>2</sub>	81.04	<u>15.00</u>	<u>1215.60</u>
Ca SO <sub>4</sub>	68.07	<u>5.60</u>	<u>381.19</u>
Ca Cl <sub>2</sub>	55.50	<u>24.30</u>	<u>1348.65</u>
Mg (HCO <sub>3</sub> ) <sub>2</sub>	73.17	<u>0</u>	<u>0</u>
Mg SO <sub>4</sub>	60.19	<u>0</u>	<u>0</u>
Mg Cl <sub>2</sub>	47.62	<u>3.09</u>	<u>147.15</u>
Na HCO <sub>3</sub>	84.00	<u>0</u>	<u>0</u>
Na <sub>2</sub> SO <sub>4</sub>	71.03	<u>0</u>	<u>0</u>
Na Cl	58.46	<u>30.02</u>	<u>1754.97</u>



Saturation Values Distilled Water 20°C

Ca CO<sub>3</sub> 13 Mg/L

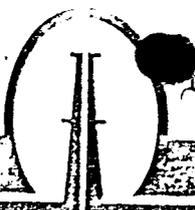
Ca SO<sub>4</sub> · 2H<sub>2</sub>O 2,090 Mg/L

Mg CO<sub>3</sub> 103 Mg/L

Remarks: NA = 468.01 mg/L

H<sub>2</sub>S = 1.0 ppm

Thank you for the business



James F. Smith

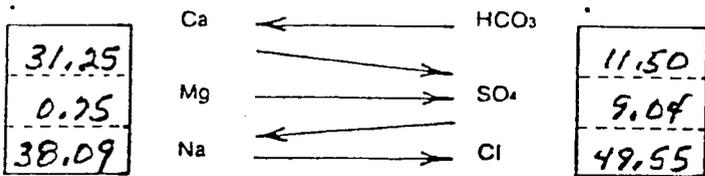
WATER ANALYSIS REPORT

(801) 722-2532

COMPANY \_\_\_\_\_ ADDRESS \_\_\_\_\_ DATE: \_\_\_\_\_  
SOURCE 1-10 B5 DATE SAMPLED 3/83 ANALYSIS NO. \_\_\_\_\_

Analysis	Mg/L	*Meq/L
1. PH	<u>8.4</u>	
2. H <sub>2</sub> S (Qualitative)		
3. Specific Gravity	<u>1.001</u>	
4. Dissolved Solids	<u>4404.18</u>	
5. Suspended Solids		
6. Phenolphthalein Alkalinity (CaCO <sub>3</sub> )	<u>25</u>	
7. Methyl Orange Alkalinity (CaCO <sub>3</sub> )	<u>575</u>	
8. Bicarbonate (HCO <sub>3</sub> )	HCO <sub>3</sub> <u>701.5</u>	÷ 61 <u>11.50</u> HCO <sub>3</sub>
9. Chlorides (Cl)	Cl <u>1759</u>	÷ 35.5 <u>49.55</u> Cl <u>38.0</u>
10. Sulfates (SO <sub>4</sub> )	SO <sub>4</sub> <u>434</u>	÷ 48 <u>9.04</u> SO <sub>4</sub> <u>38.0</u>
11. Calcium (Ca)	Ca <u>625</u>	÷ 20 <u>31.25</u> Ca <u>19.5</u>
12. Magnesium (Mg)	Mg <u>9.11</u>	÷ 12.2 <u>0.75</u> Mg <u>10.9</u>
13. Total Hardness (CaCO <sub>3</sub> )	<u>1400</u>	
14. Total Iron (Fe)	<u>0.7</u>	
15. Barium (Qualitative)		
16. Conductivity (mmHos)	<u>11700</u>	ppm <u>93249</u>
*Milli equivalents per liter	<u>0.086</u> RWC <u>23°</u> C	

PROBABLE MINERAL COMPOSITION



31.25	11.50
0.75	9.04
38.09	49.55
70.09	

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

Remarks: Na = 593.82 mg/L  
H<sub>2</sub>S = 1.5 ppm

Compound	Equiv. Wt. X	Meq/L	= Mg/L
Ca (HCO <sub>3</sub> ) <sub>2</sub>	81.04	<u>11.50</u>	<u>931.96</u>
Ca SO <sub>4</sub>	68.07	<u>9.04</u>	<u>615.35</u>
Ca Cl <sub>2</sub>	55.50	<u>10.71</u>	<u>594.41</u>
Mg (HCO <sub>3</sub> ) <sub>2</sub>	73.17	<u>0</u>	<u>0</u>
Mg SO <sub>4</sub>	60.19	<u>0</u>	<u>0</u>
Mg Cl <sub>2</sub>	47.62	<u>0.75</u>	<u>35.72</u>
Na HCO <sub>3</sub>	84.00	<u>0</u>	<u>0</u>
Na <sub>2</sub> SO <sub>4</sub>	71.03	<u>0</u>	<u>0</u>
Na Cl	58.46	<u>38.09</u>	<u>2226.74</u>

Thank you for the business:

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

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
ANR Limited Inc.

3. ADDRESS OF OPERATOR  
P. O. Box 749, Denver, Colorado 80201-

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

14. PERMIT NO. \_\_\_\_\_

15. ELEVATIONS (Show whether OF, RT, GR, etc.) \_\_\_\_\_

5. LEASE DESIGNATION AND SERIAL NO. \_\_\_\_\_

6. IF INDIAN, ALLOTTEE OR TRIBE NAME \_\_\_\_\_

7. UNIT AGREEMENT NAME \_\_\_\_\_

8. FARM OR LEASE NAME \_\_\_\_\_

9. WELL NO. \_\_\_\_\_

10. FIELD AND POOL, OR WILDCAT \_\_\_\_\_

11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA \_\_\_\_\_

12. COUNTY OR PARISH \_\_\_\_\_ 13. STATE \_\_\_\_\_

RECEIVED  
DEC 31 1986

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) _____	

(Other) Change Operator

(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.)\*

ANR Limited has been elected successor Operator to Utex Oil Company on the oil wells described on the attached Exhibit "A".

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

SIGNED Don R. Nelson TITLE Dist Land Mgr DATE 12/24/86

(This space for Federal or State office use)

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

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

## EXHIBIT A

Page 1 of 8

ANR OPERATED WELLS  
Altamont/Bluebell Fields  
12-01-86

<u>Location</u>	<u>Well Name</u>	<u>Operator</u>	<u>API #</u>
<u>T1S-R1E</u> Section 8	✓Ute 1-8A1E	ANR	43-047-30173
<u>T2S-R2E</u> Section 20	✓Meagher Estate 1-20B2E	ANR	43-047-30186
<u>T1N-R2W</u> Section 32	✓Ute 1-32Z2	ANR	43-013-30379
	✓Ute 2-32Z2	ANR	43-013-31110
Section 33	✓Ute 1-33Z2	ANR	43-013-30334
	✓Ute 2-33Z2	ANR	43-013-31111
<u>T1S-R1W</u> Section 28	✓Lawson 1-28A1	ANR	43-013-30358
<u>T1S-R2W</u> Section 31	✓Ute 1-31A2	ANR	43-013-30353
	✓Ute 2-31A2	ANR	43-013-31138

<u>Location</u>	<u>Well Name</u>	<u>Operator</u>	<u>API #</u>
<u>T1S-R3W</u>			
Section 15	✓Tew 1-15A3	ANR	43-013-30529
Section 21	✓Monson 1-21A3	ANR	43-013-30082
Section 22	✓Whitehead 1-22A3	ANR	43-013-30357
Section 25	✓Ute 1-25A3	ANR	43-013-30370
Section 26	✓Ute 1-26A3	ANR	43-013-30348
Section 27	✓Monsen 1-27A3	ANR	43-013-30145
	✓Monsen 2-27A3	ANR	43-013-31104
Section 28	✓Winkler 1-28A3	ANR	43-013-30191
	✓Winkler 2-28A3	ANR	43-013-31109
Section 29	✓Hanson Trust 1-29A3	ANR	43-013-30314
	✓Hanson Trust 2-29A3	ANR	43-013-31043
Section 32	✓Hanson Trust 1-32A3	ANR	43-013-30141
Section 33	✓Powell 1-33A3	ANR	43-013-30105
Section 34	✓Remington 1-34A3	ANR	43-013-30139
	✓Remington 2-34A3	ANR	43-013-31091
Section 35	✓Ute 1-35A3	ANR	43-013-30181
Section 36	✓Ute 1-36A3	ANR	43-013-30263

<u>Location</u>	<u>Well Name</u>	<u>Operator</u>	<u>API #</u>
<u>T1S-R4W</u>			
Section 21	✓Chatwin 1-21A4	ANR	43-013-30101
Section 27	Shell Fee 2-27A4	ANR - Salt Water Disposal	43-013-30915
Section 28	✓Brotherson 1-28A4	ANR	43-013-30233
Section 29	✓Fieldsted 1-29A4	ANR	43-013-30276
Section 33	✓Brotherson 1-33A4	ANR	43-013-30272
	✓Lindsay 2-33A4	ANR	43-013-31141
Section 34	✓Ute 1-34A4	ANR	43-013-30075
Section 35	✓Miles 1-35A4	ANR	43-013-30029
	✓Miles 2-35A4	ANR	43-013-31087
Section 36	✓Ute 1-36A4	ANR	43-013-30069
	✓Rust 2-36A4	ANR	43-013-31092
<u>T1S-R5W</u>			
Section 33	✓Christensen 1-33A5	ANR	43-013-30054
<u>T2S-R2W</u>			
Section 6	✓Ute 1-6B2	ANR	43-013-30349
Section 7	✓Ute 1-7B2	ANR	43-013-30206
Section 13	✓Elder 1-13B2	ANR	43-013-30366
<u>T2S-R3W</u>			
Section 1	✓Jenkins 1-1B3	ANR	43-013-30175
	✓Jenkins 2-1B3	ANR	43-013-31117

<u>Location</u>	<u>Well Name</u>	<u>Operator</u>	<u>API #</u>
<u>T2S-R3W (continued)</u>			
Section 2	✓Goodrich Enterprise 1-2B3	ANR	43-013-30182
Section 3	✓Lotridge-Gates 1-3B3	ANR	43-013-30117
Section 4	✓Rust 1-4B3	ANR	43-013-30063
	Hanson 2-4B3	ANR - Salt Water Disposal	43-013-31070
Section 5	✓Hanson Trust 1-5B3	ANR	43-013-30109
Section 8	✓Hanson Trust 1-8B3 (TA)	ANR	43-013-30201
Section 9	✓Hanson Trust 1-9B3 (TA)	ANR	43-013-30144
	✓Hanson Trust 2-9B3	ANR	43-013-31136
Section 10	✓Doyle 1-10B3	ANR	43-013-30187
Section 11	✓Rudy 1-11B3	ANR	43-013-30204
Section 12	✓Ute 1-12B3	ANR	43-013-30205
	✓Jenkins 2-12B3	ANR	43-013-31121
Section 14	✓Roper 1-14B3	ANR	43-013-30217
Section 18	✓Babcock 1-18B3	ANR	43-013-30219
Section 19	✓Evans 1-19B3	ANR	43-013-30265
<u>T2S-R4W</u>			
Section 1	✓Ute 1-1B4	ANR	43-013-30129
Section 2	✓Brotherson 1-2B4	ANR	43-013-30062
	✓Brotherson 2-2B4	ANR	43-013-30855
Section 3	✓Brotherson 1-3B4	ANR	43-013-30048
Section 5	✓Chandler 1-5B4	ANR	43-013-30140

<u>Location</u>	<u>Well Name</u>	<u>Operator</u>	<u>API #</u>
T2S-R4W (continued)			
Section 6	✓Crook 1-6B4	ANR	43-013-30213
Section 7	✓Farnsworth 1-7B4	ANR	43-013-30097
	✓Farnsworth 2-7B4	ANR	43-013-30470
Section 8	✓Ellsworth 1-8B4	ANR	43-013-30112
Section 9	✓Ellsworth 1-9B4	ANR	43-013-30118
Section 10	✓Brotherson 1-10B4	ANR	43-013-30110
	✓Brotherson 2-10B4	ANR	43-013-30443
Section 11	✓Brotherson 1-11B4	ANR	43-013-30052
	✓Brotherson 2-11B4	ANR	43-013-31078
Section 12	✓Babcock 1-12B4	ANR	43-013-30104
	✓Babcock 2-12B4	ANR	43-013-31005
Section 14	✓Brotherson 1-14B4	ANR	43-013-30051
Section 15	✓Brotherson 1-15B4	ANR	43-013-30159
	✓Brotherson 2-15B4	ANR	43-013-31103
Section 16	✓Ellsworth 1-16B4	ANR	43-013-30192
	✓Ellsworth 2-16B4	ANR	43-013-31046
Section 17	✓Ellsworth 1-17B4	ANR	43-013-30126
	✓Ellsworth 2-17B4	ANR	43-013-31089
Section 18	✓Bleazard 1-18B4	ANR	43-013-30059
	✓Bleazard 2-18B4	ANR	43-013-31025

<u>Location</u>	<u>Well Name</u>	<u>Operator</u>	<u>API #</u>
<u>T2S-R4W (continued)</u>			
Section 19	✓Ellsworth 1-19B4	ANR	43-013-30183
	✓Ellsworth 2-19B4	ANR	43-013-31105
Section 20	✓Ellsworth 1-20B4	ANR	43-013-30351
	✓Ellsworth 2-20B4	ANR	43-013-31090
Section 21	✓Hunt 1-21B4	ANR	43-013-30214
	✓Hunt 2-21B4	ANR	43-013-31114
Section 22	✓Brotherson 1-22B4	ANR	43-013-30227
	✓Brotherson 2-22B4	ANR	43-013-31086
Section 23	Brotherson 1-23B4 (TA) (Renamed Lake Fork 2-23B4 Proposed SWD)	ANR	43-013-
	✓Brotherson 1-23B4R	ANR	43-013-30483
Section 24	✓Brotherson 1-24B4	ANR	43-013-30229
Section 26	✓Brotherson 1-26B4	ANR	43-013-30336
Section 28	✓Ute 1-28B4	ANR	43-013-30242
Section 29	✓Young 1-29B4	ANR	43-013-30246
Section 30	✓Lawrence 1-30B4	ANR	43-013-30220
<u>T2S-R5W</u>			
Section 1	✓Tew 1-1B5	ANR	43-013-30264
Section 2	✓Potter 1-2B5	ANR	43-013-30293

<u>Location</u>	<u>Well Name</u>	<u>Operator</u>	<u>API #</u>
<u>T2S-R5W</u>			
Section 9	✓Tew 1-9B5 (TA)	ANR	43-013-30121
Section 10	✓Tew Unit 1-10B5	ANR	43-013-30178
Section 11	✓Ehrich 1-11B5 (TA)	ANR	43-013-30157
	Ehrich 2-11B5	ANR - Salt Water Disposal Well	
	✓Ehrich 3-11B5	ANR	43-013-31080
Section 12	✓Farnsworth 1-12B5	ANR	43-013-31024
	✓Farnsworth 2-12B5	ANR	43-013-31115
Section 13	✓Farnsworth 1-13B5	ANR	43-013-30092
Section 14	✓Potter 1-14B5	ANR	43-013-30127
Section 15	✓Burton 1-15B5	ANR	43-013-30128
Section 16	✓Burton 1-16B5	ANR	43-013-30238
Section 17	✓Reeder 1-17B5	ANR	43-013-30218
Section 18	Ute 1-18B5 (TA)	ANR	43-013-30058
Section 20	✓Ute Tribal 1-20B5	ANR	43-013-30376
Section 21	✓Ute 1-21B5	ANR	43-013-30262
Section 22	✓Ute Unit 1-22B5	ANR	43-013-30134
Section 23	✓Hanskutt 1-23B5	ANR	43-013-30172
Section 24	✓Potter 1-24B5	ANR	43-013-30356

<u>Location</u>	<u>Well Name</u>	<u>Operator</u>	<u>API #</u>
<u>T2S-R5W (continued)</u>			
Section 25	✓Murdock 1-25B5	ANR	43-013-30247
Section 26	✓Murdock 1-26B5	ANR	43-013-30049
	✓Murdock 2-26B5	ANR	43-013-31124
Section 27	✓Birch 1-27B5	ANR	43-013-30197
	✓Birch 2-27B5	ANR	43-013-31126
	LDS 2-27B5	ANR - Salt Water Disposal	
Section 28	✓Ute Unit 1-28B5	ANR	43-013-30179
Section 29	✓Robb 1-29B5	ANR	43-013-30135
	✓Robb 2-29B5	ANR	43-013-31130
Section 30	✓Smith 1-30B5	ANR	43-013-30521
Section 31	✓Smith 1-31B5	ANR	43-013-30577
Section 32	✓Broadhead 1-32B5	ANR	43-013-30221
Section 34	✓Murdock 1-34B5	ANR	43-013-30230
	✓Murdock 2-34B5	ANR	43-013-31132
<u>T2S-R6W</u>			
Section 12	✓Ute 1-12B6	ANR	43-013-30268
Section 21	✓Broadhead 1-21B6	ANR	N/A
Section 25	✓Ute 1-25B6	ANR	43-013-30439
Section 36	✓Ute 1-36B6	ANR	43-013-30502

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL  GAS WELL  OTHER Salt Water Disposal

2. NAME OF OPERATOR ANR Limited Inc.

3. ADDRESS OF OPERATOR P. O. Box 749, Denver, Colorado 80201-

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

14. PERMIT NO. 43-013-30337

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

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DIVISION OF  
OIL GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO. Nanson

10. FIELD AND POOL, OR WILDCAT 2-4B3

11. SEC., T., R., M., OR BLK. AND SURVEY OR ABBA Sec. 4 T. 25 3w

12. COUNTY OR PARISH Duchesne 13. STATE

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

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

ANR Limited has been elected successor Operator to Utex Oil Company on the oil wells described on the attached Exhibit "A".

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

SIGNED [Signature] TITLE Dist. Land Man DATE 12/24/86

(This space for Federal or State office use)

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

CERTIFICATE OF APPROVAL, IF ANY:



**ANR Limited Inc.**  
a subsidiary of The Coastal Corporation

**RECEIVED**  
DEC 31 1986

DIVISION OF  
OIL, GAS & MINING

December 24, 1986

Utah State Land Board  
355 W. North Temple  
3 Triad Center, Suite 350  
Salt Lake City, UT 84180-1203

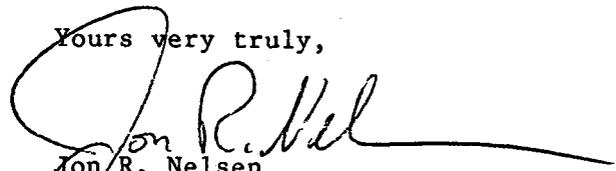
Attention: Ms. Claudia Jones

Gentlemen:

We enclose for your further handling, a composite Sundry Notice for the 136 wells which ANR Limited Inc. assumed operations, December 1, 1986. All of these wells were formerly operated by Utex Oil Company.

It is our understanding that each month you generate turn-around reports on production from these wells. The contact person for these reports in our organization is Mr. Randy Wahl. His telephone number is (303) 573-4468. If you have any questions, please feel free to contact Mr. Wahl.

Yours very truly,

  
Jon R. Nelsen  
District Land Manager

JRN/gab  
Enclosure

cc: R. Wahl (w/enclosure)  
L. Streeb (w/enclosure)



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

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

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

January 12, 1987

Mr. Randy Wahl  
ANR Limited, Incorporated  
600 17th Street - Suite 800  
P.O. Box 749  
Denver, Colorado 80201-0749

Dear Mr. Wahl:

RE: Transfer of Ownership

Enclosed are four "Notice of Transfer of Ownership" forms (DOGM-UIC-5) and Section 8 of the General Rules and Regulations. According to Rule 821 of these rules: "The authority to inject for any injection well shall not be transferred from one operator to another without approval of the Division. . . ."

Please fill out these forms as soon as possible and return them to this office to the attention of the UIC Program. Your cooperation in this matter is greatly appreciated.

Sincerely,

A handwritten signature in cursive script that reads "Marlayne Poulsen".

Marlayne Poulsen  
UIC Secretary

mfp  
Enclosures  
0012U/52



**ANR Limited Inc.**  
a subsidiary of The Coastal Corporation

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JAN 23 1987

January 20, 1987

Utex Oil Company  
1245 E. Brickyard Rd., Suite 600  
Salt Lake City, UT 84106

DIVISION OF  
OIL, GAS & MINING

Attention: Mr. Jeff Neimeyer

Re: Transfer of Ownership  
Duchesne County, Utah

Gentlemen:

Enclosed are four Notice of Transfer of Ownership Forms for the following wells:

#2-27B5 T2S-R5W  
Section 27  
Duchesne County, Utah

#2-4B3 T2S-R3W  
Section 4  
Duchesne County, Utah

#2-27A4 T1S-R4W  
Section 27  
Duchesne County, Utah

#2-11B5 T2S-R5W  
Section 11  
Duchesne County, Utah

Please have these forms executed and forwarded to the attention of Marlayne Poulsen at the State of Utah Natural Resources (see address below). Also enclosed is a copy of Ms. Poulsen's letter dated January 12 to this office explaining the need for these forms.

Should you have any questions in this regard, please contact Mr. Jon Nelsen, District Land Manager, of this office. Thank you for your prompt attention to this matter.

Yours very truly,

Gail A. Bates  
Senior Secretary  
Exploitation

/gb  
Enclosures

cc: State of Utah Natural Resources  
Oil, Gas & Mining  
355 W. North Temple, 3 Triad Center  
3 Triad Center  
Salt Lake City, UT 84180-1230  
Attn: Ms. Marlayne Poulsen

Les Streeb - Coastal/Production Dept.

NOTICE OF TRANSFER OF OWNERSHIP

Present operator: Utex Oil Company Telephone: 801-484-2262

Address: 1245 E. Brickyard Road, Suite 600

City: Salt Lake State: Utah Zip: 84106

Well no.: #2-4B3 Field or Unit name: Altamont

Sec.: 4 Twp.: 2S Rng.: 3W County: Duchesne Lease no. \_\_\_\_\_

Effective date of transfer: December 1, 1986

UTEX OIL COMPANY

By: \_\_\_\_\_

Signature of present operator J. F. Niemeyer  
Attorney-in-Fact

1/19/87

Date

New operator: ANR Limited Inc.

Address: P. O. Box 749

City: Denver State: CO Zip: 80112

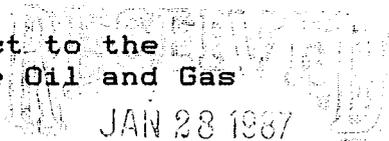
Signature of new operator \_\_\_\_\_

1/19/87

Date

(This space for DOGM approval)

The approval of this transfer is subject to the bonding requirements of Rule 301 of the Oil and Gas Conservation General Rules.



DIVISION OF  
OIL, GAS & MINING

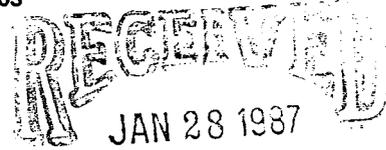
Approved by: [Signature] Title: Area Manager Date: 1/29/87

UTEX OIL COMPANY

SUITE 600  
1245 EAST BRICKYARD ROAD  
SALT LAKE CITY, UTAH 84106-2503

PHONE (801) 484-2262

January 27, 1987



DIVISION OF  
OIL, GAS & MINING

State of Utah Natural Resources  
Oil, Gas and Mining  
Suite 350  
355 West North Temple  
Salt Lake City, Utah 84180-1203

ATTENTION: Ms. Marlayne Poulsen

RE: Transfer of Operatorship

Dear Ms. Poulsen:

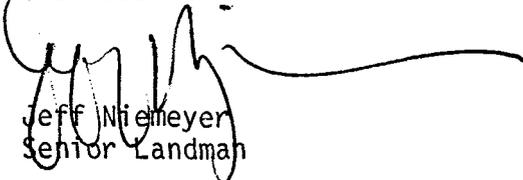
Enclosed are four (4) fully executed Notice of Transfer of Ownership forms for the following Salt Water Disposal Wells:

- 2-11B5  
Sec. 11-T2S-R5W  
Duchesne County, Utah
- 2-27B5  
Sec. 27-T2S-R5W  
Duchesne County, Utah
- 2-27A4  
Sec. 27-T1S-R4W  
Duchesne County, Utah
- 2-4B3  
Sec. 4-T2S-R3W  
Duchesne County, Utah

Please note that Utex has only transferred the operatorship of these injection wells and not our ownership. Should you require any additional information, please advise me at the letterhead address.

Very truly yours,

UTEX OIL COMPANY



Jeff Niemeyer  
Senior Landman

JN:pt  
enclosure

cc: Coastal Oil & Gas Corp., Mr. Jon Nelsen



PETROLITE OIL FIELD CHEMICALS GROUP

369 Marshall Avenue • St. Louis, Missouri 63119  
314 961-3500 • TWX 910-760-1660 • Telex: 44-2417

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APR 27 1987

# WATER ANALYSIS REPORT

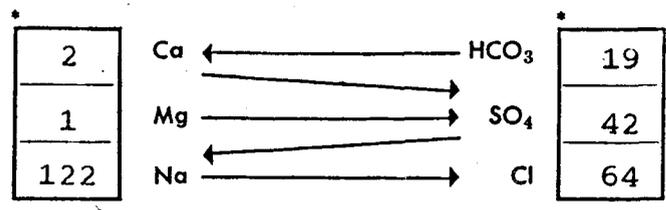
DIVISION OF  
OIL, GAS & MINING

COMPANY Coastal Oil and Gas ADDRESS \_\_\_\_\_ DATE: 4-15-87  
SOURCE 2-4B3 25 3W Sect 4 DATE SAMPLED 4-15-87 ANALYSIS NO. \_\_\_\_\_  
Analysis Mg/L \*Meq/L

1. pH	<u>8.0</u>			
2. H <sub>2</sub> S (Qualitative)	<u>8.0</u>			
3. Specific Gravity	<u>1.002</u>			
4. Dissolved Solids		<u>8,302</u>		
5. Suspended Solids				
6. Phenolphthalein Alkalinity (CaCO <sub>3</sub> )				
7. Methyl Orange Alkalinity (CaCO <sub>3</sub> )		<u>970</u>		
8. Bicarbonate (HCO <sub>3</sub> )		HCO <sub>3</sub> <u>1,183</u>	÷ 61	<u>19</u> HCO <sub>3</sub>
9. Chlorides (Cl)		Cl <u>2,255</u>	÷ 35.5	<u>64</u> Cl
10. Sulfates (SO <sub>4</sub> )		SO <sub>4</sub> <u>2,000</u>	÷ 48	<u>42</u> SO <sub>4</sub>
11. Calcium (Ca)		Ca <u>43</u>	÷ 20	<u>2</u> Ca
12. Magnesium (Mg)		Mg <u>10</u>	÷ 12.2	<u>1</u> Mg
13. Total Hardness (CaCO <sub>3</sub> )		<u>150</u>		
14. Total Iron (Fe)		<u>1.5</u>		
15. Barium (Qualitative)				
16. Strontium				

\*Milli equivalents per liter

## PROBABLE MINERAL COMPOSITION



Saturation Values Distilled Water 20°C

Ca CO <sub>3</sub>	13 Mg/L
Ca SO <sub>4</sub> • 2H <sub>2</sub> O	2,090 Mg/L
Mg CO <sub>3</sub>	103 Mg/L

Compound	Equiv. Wt.	X	Meq/L	=	Mg/L
Ca (HCO <sub>3</sub> ) <sub>2</sub>	81.04		<u>2</u>		<u>162</u>
Ca SO <sub>4</sub>	68.07				
Ca Cl <sub>2</sub>	55.50				
Mg (HCO <sub>3</sub> ) <sub>2</sub>	73.17		<u>1</u>		<u>73</u>
Mg SO <sub>4</sub>	60.19				
Mg Cl <sub>2</sub>	47.62				
Na HCO <sub>3</sub>	84.00		<u>16</u>		<u>1,344</u>
Na <sub>2</sub> SO <sub>4</sub>	71.03		<u>42</u>		<u>2,982</u>
Na Cl	58.46		<u>64</u>		<u>3,741</u>

MARKS \_\_\_\_\_

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Salt water disposal		5. LEASE DESIGNATION AND SERIAL NO. Patented
2. NAME OF OPERATOR ANR Limited		6. IF INDIAN, ALLOTTED OR TRIBE NAME N/A
3. ADDRESS OF OPERATOR P.O. Box 749, Denver, CO 80201-0749		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 641' FSL & 1988' FWL Section 4		8. FARM OR LEASE NAME G. Hanson
14. PERMIT NO.		9. WELL NO. 2-4B3 SWD
15. ELEVATIONS (Show whether OF, ST, OR, etc.) 6157' KB		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA SE/4 SW/4 T2S-R3W
		12. COUNTY OR PARISH 13. STATE Duchesne Utah

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

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

Acidized well w/10,000 gals 15% HCL and 2500 lb rock salt. Flowed well back and returned to injection.

RECEIVED

AUG 14 1987

DIVISION OF OIL  
GAS & MINING

18. I hereby certify that the foregoing is true and correct  
SIGNED *Vince E. Gunn* TITLE Sr. Production Engineer DATE 8/11/87  
(This space for Federal or State office use)

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

# ANR

**ANR Production Company**  
a subsidiary of The Coastal Corporation

012712

**RECEIVED**  
JAN 25 1988

DIVISION OF  
OIL, GAS & MINING

January 19, 1988

Natural Resources  
Oil, Gas & Mining  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

Attention: Ms. Lisha Romero

This letter includes the information you requested on January 12, 1988 concerning the recent merger of ANR Limited, Inc. into ANR Production Company. Effective December 31, 1987 (December, 1987 Production), ANR Limited, Inc. merged into ANR Production Company; and henceforth, will continue operations as ANR Production Company.

N0235

ANR Production Company will begin reporting and remitting the Utah Conservation and Occupation Taxes effective December, 1987 production for leases previously reported by ANR Limited, Inc. (Utah Account No. N-7245). ANR Production Company will use the new Utah Account No. N-0675, as assigned by the State of Utah.

Please contact me at (713) 877-6167 if I can answer any questions on this matter.

Very truly yours,

*Roger W Sparks*  
Roger W. Sparks  
Manager, Crude Revenue Accounting

*The computer shows the ANR Limited wells listed under account no. N0235.  
DTS  
1-26-88*

CC: AWS

CTE:mmw

*Lisha,  
I don't see any problem w/this.  
I gave a copy to Arlene so she could check on the bond situation. She didn't think this would affect their bond as the bond is set up for Coastal and its subsidiaries (ANR, etc.) No Entity Number changes are necessary. DTS 1-26-88*



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Norman H. Bangertter  
Governor

Dee C. Hansen  
Executive Director

Dianne R. Nielson, Ph.D.  
Division Director

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

February 27, 1991

ANR Limited, Inc.  
P.O. Box 120  
Altamont, Utah 84001

Gentlemen:

Re: Pressure Test for Mechanical Integrity, #2-4B3 and #2-27B5 Wells, Sec. 4, 27, T, 2S, R. 3, 5W, Duchesne County, Utah

The Underground Injection Control Program which the Division of Oil, Gas and Mining (DOGM) administers in Utah, requires that all Class II injection wells demonstrate mechanical integrity. It has been past policy of the Division to require pressure testing of all Class II salt water disposal wells and other injection wells not reporting monthly annulus pressures in accordance with rule R615-5-5.3 of the Oil and Gas Conservation General Rules. This rule requires that the casing-tubing annulus above the packer be pressure tested at a pressure equal to the maximum authorized injection pressure or 1,000 psi, whichever is lesser, provided that no test pressure is less than 300 psi. This test shall be performed at least every five year period beginning October, 1982. Our records indicate the above referenced wells are due for testing for the second five year period. Please make arrangements for testing during the week of March 18, 1991, as outlined below:

1. Operator must furnish connections, and accurate pressure gauges, hot oil truck (or other means of pressuring annulus), as well as personnel to assist in opening valves etc.
2. If mechanical difficulties or workover operations make it impossible for the well to be tested on this date the test may be rescheduled.
3. Company personnel should meet DOGM representatives at the well site or other location as negotiated.

Page 2  
Pressure Test  
February 27, 1991

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

Sincerely,

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

Gil Hunt  
UIC Program Manager

ldc  
WOI52/13-14

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

*Handwritten initials*

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> <small>(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)</small>		<b>5. LEASE DESIGNATION &amp; SERIAL NO.</b> Fee
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</b> N/A
<b>1. OIL WELL</b> <input type="checkbox"/> <b>GAS WELL</b> <input type="checkbox"/> <b>OTHER SWD Well</b>	<b>7. UNIT AGREEMENT NAME</b> N/A	
<b>2. NAME OF OPERATOR</b> ANR Production Company	<b>8. FARM OR LEASE NAME</b> Hanson	
<b>3. ADDRESS OF OPERATOR</b> P. O. Box 749, Denver, Colorado 80201-0749 (303) 573-4476	<b>9. WELL NO.</b> 2-4B3SWD	
<b>4. LOCATION OF WELL</b> (Report location clearly and in accordance with any state requirements. See also space 17 below.) At surface 1460' FWL & 1072' FSL At proposed prod. zone Same as above	<b>10. FIELD AND POOL, OR WILDCAT</b> Altamont	
<b>14. API NO.</b> 30337 43-013-31070 <i>SDW</i>	<b>15. ELEVATIONS (Show whether OF, RT, GR, etc.)</b> 6104' GR	<b>11. SEC. T., R., M. OR BLK. AND SURVEY OR AREA</b> Section 4, T2S-R3W <b>12. COUNTY</b> Duchesne <b>13. STATE</b> Utah

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>	SHOOTING OR ACIDIZING <input checked="" type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
(Other) _____		DATE OF COMPLETION 2/20/91	

APPROX. DATE WORK WILL START \_\_\_\_\_

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.)

February 19-20, 1991:

\* Must be accompanied by a cement verification report.

- 1) Pumped 200 BBLs of 220° formation water mixed w/Jet Sol 611 N. Shut in well for 24 hours.
- 2) Flow back load. Acidized well w/6000 gals. HCL + additives. Flowed back acid load. ISIP 1300 psi, 5 min 1400 psi, 10 min 1300 psi, 15 min 1200 psi.
- 3) Returned well to injection.

**RECEIVED**  
MAR 07 1991

DIVISION OF  
OIL, GAS & MINING

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

SIGNED Eileen Danni Dev TITLE Regulatory Analyst DATE 3-4-91

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side

<sup>25 4w 3</sup>  
 43-013-30048 WSTC 1525 PA (1-03B4) ✓  
<sup>25 3w 4</sup>  
 43-013-30337 UNTA 99996 SDW #2-4B3 ✓  
<sup>25 5w 27</sup>  
 43-013-30340 UNTA 99996 SDW #2-27B5 ✓  
<sup>15 4w 29</sup>  
 43-013-30276 WSTC 1831 PA 1-29A4 ✓  
<sup>25 2w 13</sup>  
 43-013-30366 WSTC 1905 ~~POW~~ 1-13B2 ✓  
<sup>15 3w 25</sup>  
 43-013-30370 WSTC 1920 ~~POW~~ 1-25A3 ✓ (Cont.)  
<sup>25 4w 23</sup>  
 43-013-30038 GR-WS 1970 TA 2-23B4 ✓  
<sup>25 4w 23</sup>  
 43-013-30038 GRU 1970 TA 1-23B4 ✓  
<sup>25 5w 18</sup>  
 43-013-30058 WSTC 99998 PPA 1-18B5 ✓  
<sup>15 4w 27</sup>  
 43-013-30266 UNTA SDW 99996 1-27A4 ✓  
<sup>25 5w 11</sup>  
 43-013-30391 UNTA 99996 SDW 2-11B5 ✓  
<sup>25 3w 3</sup>  
 43-013-37193 Orl. 99999 2-3-B3 ✓  
<sup>25 4w 1</sup>  
 43-013-31197 Orl. — 2-1-B4 ✓  
<sup>15 3w 22</sup>  
 43-013-30357 GRU 1885 POW 1-22A3 ✓  
<sup>25 2w 20</sup>  
 43-047-30186 GR-WS 1875 POW 1-20B2E ✓

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

RECEIVED

JAN 11 1993

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 proposals.

Lease Designation and Serial Number  
Fee

Indian Allottee or Tribe Name

N/A

Unit or Communitization Agreement

N/A

1. Type of Well

Oil Well  Gas Well  Other (specify)

Salt Water Disposal Well

9. Well Name and Number

Hanson 2-4B3

2. Name of Operator

ANR Production Company

10. API Well Number

43-013-~~31070~~ 30337

3. Address of Operator

P.O. Box 749 Denver, CO 80201-0749

4. Telephone Number

(303) 573-4476

11. Field and Pool, or Wildcat

Altamont

5. Location of Well

Footage 1460' FWL & 1072' FSL

QQ. Sec. T. R. M. : SE/SW Section 4, T2S-R3W

County : Duchesne

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
- 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 Report of Spill (R615-3-32)
- 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.)

A.) A spill was discovered on the above referenced well location @ 5:30 a.m., 1/5/93. It is probable that the spill actually began @ 8:00 p.m., according to the chart on location. Jim Thompson, Division of Oil, Gas & Mining was notified of this event on 1/6/93 by Eileen Dey, ANR Production Company.

B.) The leak originated approximately 10 feet from the Hanson 2-4B3 wellhead. See above for legal description.

C.) The discharge line split near the wellhead. The determined cause of the split is due to wear.

D.) There is no resultant damage known to the area affected by the spill due to the snowcover as well as the existing dikes. No detrimental effects to the environment are anticipated. The only damage to equipment is the split discharge line.

E.) The resulting liquid was removed by vacuum truck, however due to cold temperatures, ice removal was necessary. It took one (1) hour to control the spill and twelve (12) hours for subsequent cleanup.

F.) Approximately 2000 bbls of produced formation water leaked onto the ground (no oil associated w/this liquid). 1180 bbls was recovered by vacuum, with the remaining 820 bbls removed via scraping, blading as ice.

G.) The discharge line was repaired & replaced immediately. See attached plat for location of leak and the route the fluid traveled.

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

Name & Signature

*Eileen Dey*

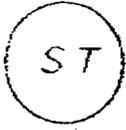
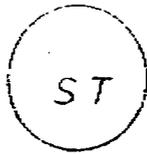
Title Regulatory Analyst

Date 1-6-93

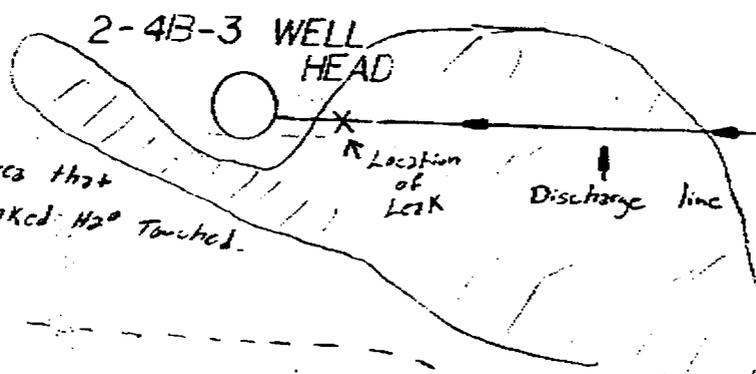
State Use Only



Diked Perimeter of Location. →



TRIPLEX



2-4B-3 WELL HEAD

X Location of Leak

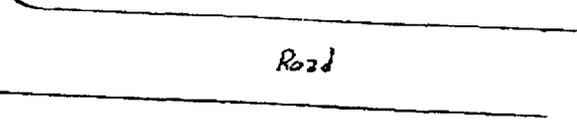
Discharge line

Area that leaked H<sub>2</sub>O Touched.

Dike →



Road



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	5. Lease Designation and Serial No. 14-20-H62-1804
2. Name of Operator ANR Production Company	6. If Indian, Allottee or Tribe Name Ute Tribal
3. Address and Telephone No. P. O. Box 749                      Denver, CO 80201-0749                      (303) 573-4476	7. If Unit or CA, Agreement Designation N/A
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 660' FNL & 660' FEL (NE/NE) Section 35, T1S-R3W	8. Well Name and No. Ute #2-35A3
	9. API Well No. 43-013-31292
	10. Field and Pool, or Exploratory Area Bluebell
	11. County or Parish, State Duchesne County, UT

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input 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>NTL-2B; II Application</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.)\*

ANR Production Company hereby requests permission to dispose of produced water from the above referenced well under NTL-2B, II "Disposal in the Subsurface". The produced water from the Ute #2-35A3 flows into a steel tank equipped with a high level float switch which shuts the well in if the tank becomes overloaded. The produced water is then pumped into ANR's underground SWD facilities. These facilities consist of the following five State/EPA approved SWD wells:

LDS Church #2-27B5	Section 27, T2S-R5W	Duchesne County, UT
Shell #2-27A4	Section 27, T1S-R4W	Duchesne County, UT
Lakefork #2-23B4	Section 23, T2S-R4W	Duchesne County, UT
Ehrich #2-11B5	Section 11, T2S-R5W	Duchesne County, UT
Hanson #2-4B3	Section 4, T2S-R3W	Duchesne County, UT

**RECEIVED**

Accepted by the State  
of Utah Division of  
Oil, Gas and Mining  
Date: 4-23-93  
By: [Signature]

APR 19 1993

DIVISION OF  
OIL, GAS AND MINING

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

Signed [Signature] Title Regulatory Analyst Date 4/15/93

(This space for Federal or State office use)

Federal Approval of this Action is Necessary

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.

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

5. Lease Designation and Serial No.  
14-20-H62-1804

6. If Indian, Allottee or Tribe Name  
Ute Tribe

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well     Gas Well     Other

2. Name of Operator  
ANR Production Company

3. Address and Telephone No.  
P. O. Box 749                      Denver, CO 80201-0749                      (303) 573-4476

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1632' FNL & 660' FWL (SW/NW)  
Section 35, T1S-R3W

7. If Unit or CA, Agreement Designation  
N/A

8. Well Name and No.  
Ute Tribal 3-35A3

9. API Well No.  
43-013-31365

10. Field and Pool, or Exploratory Area  
Altamont/Bluebell

11. County or Parish, State  
Duchesne County, UT

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

TYPE OF SUBMISSION

TYPE OF ACTION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

- Abandonment
- Recompletion
- Plugging Back
- Casing Repair
- Altering Casing
- Other NTL-2B; II Application

- Change of Plans
- New Construction
- Non-Routine Fracturing
- Water Shut-Off
- Conversion to Injection
- 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.)\*

ANR Production Company hereby requests permission to dispose of produced water from the above referenced well under NTL-2B, II "Disposal in the Subsurface". The produced water from the Ute Tribal #3-35A3 flows into a steel tank equipped with a high level float switch which shuts the well in if the tank becomes overloaded. The produced water is then pumped into ANR's underground SWD facilities. These facilities consist of the following five State/EPA approved SWD wells:

LDS Church #2-27B5	Section 27, T2S-R5W	Duchesne County, UT
Shell #2-27A4	Section 27, T1S-R4W	Duchesne County, UT
Lakefork #2-23B4	Section 23, T2S-R4W	Duchesne County, UT
Ehrich #2-11B5	Section 11, T2S-R5W	Duchesne County, UT
Hanson #2-4B3	Section 4, T2S-R3W	Duchesne County, UT

**RECEIVED**

APR 19 1993

DIVISION OF  
OIL GAS & MINING

Accepted by the State  
of Utah Division of  
Oil, Gas and Mining

Date: 4-23-93  
By: [Signature]

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

Signed [Signature] Title Regulatory Analyst Date 4/15/93

(This space for Federal or State office use)

Approved by [Signature] Title \_\_\_\_\_ Date \_\_\_\_\_  
Conditions of approval, if any: Federal Approval of this Action is Necessary

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.

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

RECEIVED

APR 19 1993

DIVISION OF  
OIL GAS & MINING  
(303) 573-4476

5. Lease Designation and Serial No.  
14-20-H62-1807  
6. If Indian, Allottee or Tribe Name  
Uintah & Ouray Tribes  
7. If Unit or CA, Agreement Designation

1. Type of Well  
 Oil Well  Gas Well  Other

N/A

2. Name of Operator  
ANR Production Company

8. Well Name and No.  
Ute #2-6B2

3. Address and Telephone No.  
P. O. Box 749 Denver, CO 80201-0749

9. API Well No.  
43-013-31140

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

10. Field and Pool, or Exploratory Area  
Bluebell/Altamont

949' FNL & 1001' FWL (NW/NW)  
Section 6, T2S-R2W

11. County or Parish, State

Duchesne County, UT

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

TYPE OF SUBMISSION

TYPE OF ACTION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

- Abandonment
- Recompletion
- Plugging Back
- Casing Repair
- Altering Casing
- Other NTL 2B; II Application

- Change of Plans
- New Construction
- Non-Routine Fracturing
- Water Shut-Off
- Conversion to Injection
- 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.)\*

ANR Production Company hereby requests permission to dispose of produced water from the above referenced well under NTL-2B, II "Disposal in the Subsurface". The produced water from the Ute #2-6B2 flows into a steel tank equipped with a high level float switch which shuts the well in if the tank becomes overloaded. The produced water is then pumped into ANR's underground SWD facilities. These facilities consist of the following five State/EPA approved SWD wells:

LDS Church #2-27B5	Section 27, T2S-R5W	Duchesne County, UT
Shell #2-27A4	Section 27, T1S-R4W	Duchesne County, UT
Lakefork #2-23B4	Section 23, T2S-R4W	Duchesne County, UT
Ehrich #2-11B5	Section 11, T2S-R5W	Duchesne County, UT
Hanson #2-4B3	Section 4, T2S-R3W	Duchesne County, UT

RECEIVED

Accepted by the State  
of Utah Division of Division of  
Oil, Gas and Mining

Date: 4-23-93

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

Signed Eileen Danni Dey

Title Regulatory Analyst

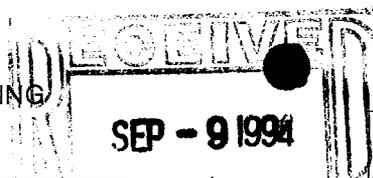
Date 4/15/93

(This space for Federal or State office use)

Approved by Federal Approval of this  
Conditions of approval, if any: Action is Necessary

Title

Date



5. Lease Designation and Serial Number:  
Fee

**SUNDRY NOTICES AND REPORTS ON WELLS**

6. If Indian, Allottee or Tribe Name:  
N/A

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 DEEPEEN form for such proposals.

7. Unit Agreement Name:  
N/A

1. Type of Well:  
OIL  GAS  OTHER: SWD

8. Well Name and Number:  
Hanson #2-4B3 SWD

2. Name of Operator:  
ANR Production Company

9. API Well Number:  
43-013-30337

3. Address and Telephone Number:  
P.O. Box 749, Denver, CO 80201-0749 (303) 573-4476

10. Field and Pool, or Wildcat:  
Altamont

4. Location of Well  
Footages: 641' FSL & 1988' FWL  
QQ, Sec., T., R., M.: Section 4-T2S-R3W

County: Duchesne  
State: Utah

11. 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
- New Construction
- Pull or Alter Casing
- Recompletion
- Shoot or Acidize
- Vent or Flare
- Water Shut-Off

Approximate date work will start 9/9/94

**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.

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.)

Acidize SWD w/16,800 gals. of acid.

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING  
DATE: 9/12/94  
BY: JAN Newkirk

13. Name & Signature: N.O. Shiflett/pak Title: N.O. Shiflett District Drilling Manager Date: 09/07/94

(This space for State use only)

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

Routing: *644*

1	<del>REC-7-53</del>
2	<del>DTS 8-FILE</del>
3	<del>WLD</del>
4	<del>RT</del>
5	<del>DEC</del>
6	FILM ✓

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: 12-27-95)

TO (new operator)	<u>COASTAL OIL &amp; GAS CORP</u>	FROM (former operator)	<u>ANR PRODUCTION CO INC</u>
(address)	<u>PO BOX 749</u>	(address)	<u>PO BOX 749</u>
	<u>DENVER CO 80201-0749</u>		<u>DENVER CO 80201-0749</u>
	<u>phone (303) 572-1121</u>		<u>phone (303) 572-1121</u>
	<u>account no. N 0230 (B)</u>		<u>account no. N0675</u>

Well(s) (attach additional page if needed):

Name: <b>**SEE ATTACHED**</b>	API: <u>013-30331</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

- Sec* 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 3-8-96)*
- Sec* 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Rec'd 3-8-96)*
- N/A* 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: \_\_\_\_\_.
- N/A* 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.
- Sec* 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(3-11-96) (4-29-96/Indian) (4-15-96) Fee C.A.'s (8-20-96/Indian C.A.'s)*
- Sec* 6. Cardex file has been updated for each well listed above.
- Sec* 7. Well file labels have been updated for each well listed above.
- Sec* 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(3-11-96)*
- Sec* 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

- Yes 1. (Rule R615-8-7) 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).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only) Surety No. U605382-1 (\$80,000) United Pacific Ins. Co.

- Yes 1. (Rule R615-3-1) 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 operators' bond files. *\* Upon Compl. of routing.*
- Yes 3. The former operator has requested a release of liability from their bond (yes/no) no. Today's date March 11, 1996. If yes, division response was made by letter dated   19 . *(Same Bond as Coaster)*

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated   19 , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
2. Copies of documents have been sent to State Lands for changes involving State Leases.

FILMING

- Yes 1. All attachments to this form have been microfilmed. Date: 1-7 1997.

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 have been filed in the Operator Change file.

COMMENTS

- 960311 This change involves Fee lease / non C.A. wells ~~only~~ State lease wells.  
~~C.A. & Indian lease wells will be handled on separate change.~~
- 960412 BLM/SL Aprv. C.A.'s 4-11-96.
- 960820 BIA Aprv. CA's 8-16-96.
- 960329 BIA Aprv. Indian Lease wells 3-26-96.
- WE71/34-35 \*961107 Lemicy 2-582/43-013-30784 under review at this time; no dg. yet!

Well Name & No.	API No.	Lease Designation & Serial Number	If Indian, Allottee or Tribe Name	CA No.	LOCATION OF WELL				
					Footages	Section, Township & Range	Field	County	
Ute 1-31A2	43-013-30401	14-20-H62-1801 1925	Ute	N/A	2246' FSL & 2270' FWL	NESW, 31-1S-2W	Bluebell	Duchesne	
Ute 1-32Z2	43-013-30379	14-20-H62-1702 1915	Ute	N/A	1484' FNL & 2554' FWL	SENE, 32-1N-2W	Bluebell	Duchesne	
Ute 1-36B6	43-013-30502	14-20-H62-2532 1940	Ute	N/A	1212' FSL & 487' FEL	SESE, 36-2S-6W	Altamont	Duchesne	
Ute 1-6B2	43-013-30349	14-20-H62-1807 1825	Ute	N/A	2052' FSL & 1865' FEL	NWSE, 6-2S-2W	Bluebell	Duchesne	
Ute 2-22B5	43-013-31122	14-20-H62-2509 10453	Ute	N/A	737' FSL & 1275' FWL	SWSW, 22-2S-5W	Altamont	Duchesne	
Ute 2-25A3	43-013-31343	14-20-H62-1802 11361	Ute	N/A	2183' FSL & 1342' FWL	NESW, 25-1S-3W	Bluebell	Duchesne	
Ute 2-26A3	43-013-31340	14-20-H62-1803 11349	Ute	N/A	700' FSL & 700' FWL	SWSW, 26-1S-3W	Bluebell	Duchesne	
Ute 2-27B6	43-013-31449	14-20-H62-4631 11220	Ute	N/A	1727' FNL & 1904' FEL	SWNE, 27-2S-6W	Altamont	Duchesne	
Ute 2-28B6	43-013-31434	14-20-H62-4622 11624	Ute	N/A	1945' FSL & 1533' FEL	NWSE, 28-2S-6W	Altamont	Duchesne	
Ute 2-31A2	43-013-31139	14-20-H62-1801 10458	Ute	N/A	1012' FNL & 1107' FEL	NENE, 31-1S-2W	Bluebell	Duchesne	
Ute 2-33B6	43-013-31445	14-20-H62-2493 11691	Ute	N/A	1796' FNL & 2541' FEL	SWNE, 33-2S-6W	Altamont	Duchesne	
Ute 2-35A3	43-013-31292	14-20-H62-1804 11222	Ute	N/A	660' FNL & 660' FEL	NENE, 35-1S-3W	Bluebell	Duchesne	
Ute 2-6B2	43-013-31140	14-20-H62-1807 11190	Ute	N/A	949' FNL & 1001' FWL	NWNW, 6-2S-2W	Bluebell	Duchesne	
Ute 3-35A3	43-013-31365	14-20-H62-1804 11454	Ute	N/A	1632' FNL & 660' FWL	SWNW, 35-1S-3W	Bluebell	Duchesne	
Ute Tribal 1-27B6	43-013-30517	14-20-H62-4631 11160	Ute	N/A	2312' FNL & 1058' FWL	SWNW, 27-2S-6W	Altamont	Duchesne	
Ute Tribal 1-28B6	43-013-30510	14-20-H62-4622 11165	Ute	N/A	860' FNL & 2381' FEL	NWNE, 28-2S-6W	Altamont	Duchesne	
Ute Tribal 1-33B6	43-013-30441	14-20-H62-2493 1230	Ute	N/A	350' FSL & 2400' FEL	SWSE, 33-2S-6W	Altamont	Duchesne	
Ute Tribal 1-35B6	43-013-30507	14-20-H62-4632 2335	Ute	N/A	1248' FEL & 1350' FSL	NESE, 35-2S-6W	Altamont	Duchesne	
<b>OIL/GAS WELLS PERMITTED - NOT DRILLED</b>									
Ute 1-16B6	43-013-31524	14-20-H62-4647 99999	Ute	N/A	2424' FNL & 1590' FEL	SWNE, 16-2S-6W	Altamont	Duchesne	
Ute 1-23B6	43-013-31446	14-20-H62-4614 99999	Ute	N/A	1894' FSL & 735' FWL	NWSW, 23-2S-6W	Altamont	Duchesne	
Ute 1-26B6	43-013-31447	14-20-H62-4614 99999	Ute	N/A	205' FNL & 2485' FWL	NENW, 26-2S-6W	Altamont	Duchesne	
Ute 2-26B6	43-013-31448	14-20-H62-4614 99999	Ute	N/A	663' FSL & 697' FWL	SWSW, 26-2S-6W	Altamont	Duchesne	
<b>SALT WATER DISPOSAL WELLS</b>									
Lake Fork 2-23B4 SWD	43-013-30038	Patented 1970	N/A	N/A	1985' FNL & 2131' FEL	SWNE, 23-2S-4W	Altamont	Duchesne	
LDS Church 2-27B5 SWD	43-013-30340	Fee 99990	N/A	N/A	551' FSL & 2556' FEL	SWSE, 27-2S-4W	Altamont	Duchesne	
Ehrich 2-11B5 SWD	43-013-30391	Fee 99990	N/A	N/A	1983' FSL & 1443' FWL	NESW, 11-2S-5W	Altamont	Duchesne	
Hanson 2-4B3 SWD	43-013-30337	Fee 99990	N/A	N/A	641' FSL & 1988' FWL	SESW, 4-2S-3W	Altamont	Duchesne	
Shell 2-27A4 SWD	43-013-30266	Fee 99990	N/A	46108	58' FSL & 1186' FWL	SWSW, 27-1S-4W	Altamont	Duchesne	
Tew 1-9B5 SWD	43-013-30121	Patented 1675	N/A	N/A	2334' FNL & 1201' FEL	SENE, 9-2S-5W	Altamont	Duchesne	

COASTAL

5. Lease Designation and Serial Number:  
See Attached

### 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.

6. If Indian, Allottee or Tribe Name:  
See Attached

7. Unit Agreement Name:  
See Attached

1. Type of Well:  
OIL  GAS  OTHER:

8. Well Name and Number:  
See Attached

2. Name of Operator:  
Coastal Oil & Gas Corporation

9. API Well Number:  
See Attached

3. Address and Telephone Number:  
P.O. Box 749, Denver, CO 80201-0749 (303) 573-4455

10. Field and Pool, or Wildcat:  
See Attached

4. Location of Well  
Footages: See Attached County: See Attached  
QQ, Sec., T., R., M.: See Attached State: Utah

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

##### NOTICE OF INTENT (Submit In Duplicate)

- Abandon
- Repair Casing
- Change of Plans
- Convert to Injection
- Fracture Treat or Acidize
- Multiple Completion
- Other \_\_\_\_\_
- New Construction
- Pull or Alter Casing
- Recompletion
- Perforate
- Vent or Flare
- Water Shut-Off

Approximate date work will start \_\_\_\_\_

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

- Abandon \*
- Repair Casing
- Change of Plans
- Convert to Injection
- Fracture Treat or Acidize
- Other Change of Operator
- New Construction
- Pull or Alter Casing
- Perforate
- Vent or Flare
- Water Shut-Off

Date of work completion \_\_\_\_\_

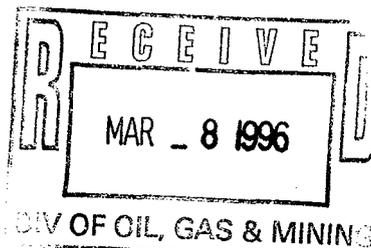
Report results of **Multiple Completions** and **Recompletions** to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

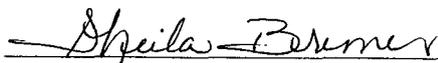
\* Must be accompanied by a cement verification report.

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

Please be advised that effective December 27, 1995, ANR Production Company relinquished and Coastal Oil & Gas Corporation assumed operations for the subject wells (see attached). Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Coastal Oil & Gas Corporation under the following bonds: State of Utah #102103, BLM Nationwide Bond #U605382-9, and BIA Nationwide Bond #11-40-66A. Coastal Oil & Gas Corporation, as operator, agrees to be responsible under the terms and conditions of the leases for the operations conducted upon leased lands.

  
Bonnie Carson, Sr. Environmental & Safety Analyst  
ANR Production Company



13. Name & Signature:  Title: Sheila Bremer Environmental & Safety Analyst Coastal Oil & Gas Corporation Date: 03/07/96

(This space for State use only)

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

Well name and number: Hanson #2-4B3 SWD  
Field or Unit name: Altamont API no. 43-013-30337  
Well location: QQ SESW section 4 township 2S range 3W county Duchesne  
Effective Date of Transfer: 12/27/95

CURRENT OPERATOR

Transfer approved by:

Name Bonnie Carson Company ANR Production Company  
Signature Bonnie Carson Address P.O. Box 749  
Title Sr. Environmental & Safety Analyst Denver, CO 80201-0749  
Date 3/7/96 Phone ( 303 ) 573-4476

Comments:

NEW OPERATOR

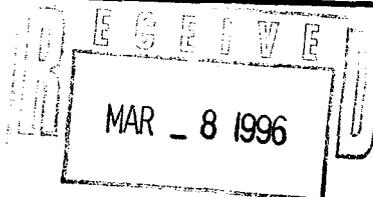
Transfer approved by:

Name Sheila Bremer Company Coastal Oil & Gas Corporation  
Signature Sheila Bremer Address P.O. Box 749  
Title Environmental & Safety Analyst Denver, CO 80201-0749  
Date 3/7/96 Phone ( 303 ) 573-4455

Comments:

(State use only)

Transfer approved by [Signature] Title Environ. Manager  
Approval Date 3-11-96





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

Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

James W. Carter  
Division Director

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

August 19, 1996

Coastal Oil & Gas Corp.  
P.O. Box 120  
Altamont, Utah 84001

Re: Pressure Test for Mechanical Integrity, LDS 2-27B5,  
Erich 2-11B5, Birch 2-35 and G. Hanson 2-4B3 Injection  
Wells, Duchesne County, Utah

Gentlemen:

The Underground Injection Control Program which the Division of Oil, Gas and Mining (DOGGM) 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. Our records indicate the above referenced wells are due for testing. Please make arrangements and ready the wells for testing during the week of September 2, 1996 as outlined below:

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



Page 2  
Coastal Oil & Gas Corp.  
August 19, 1996

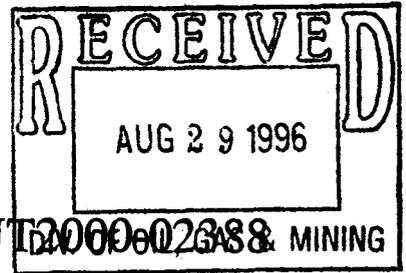
4. Company personnel should meet DOGM representatives at the field office or other location as negotiated.
5. All bradenhead valves with exception of the tubing on the injection wells must be shut-in 24 hours prior to testing.

Please contact Dan Jarvis at (801)538-5338 to arrange a meeting time and place or negotiate a different date if this one is unacceptable.

Sincerely,

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

Gil Hunt  
Environmental Manager, Oil & Gas



# Mechanical Integrity Test Casing or Annulus Pressure Test for Well UTD 2000-02388 MINING

U.S. Environmental Protection Agency  
Underground Injection Control Program, UIC Implementation Section, 8WM-DW  
999 18th Street, Suite 500, Denver, CO 80202-2466  
This form was printed on 07/10/92.

EPA Witness: Chuck W. / John C. Date 7/14/92 Time 8:20 (am/pm)  
Test conducted by: Willies Hot Oil Service (Gordon Goodale)  
Others present: Rocky Mechem (ANR)

G. HANSON #2-4B3 ✓ 43-013-30337 2D AC as of 7/14/92  
ALTAMONT ✓ NWSEW 04 02S 03W  
Indian? Yes, UINTAH-OURAY Compliance staff: WILLIAMS  
Coastal O&G  
~~ANR~~ Production Corporation, Denver, CO Op ID ANR01  
Comment: 12/91 to enforcement. Late annual monitoring report.

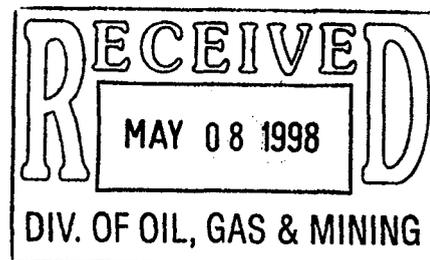
Last MIT: <u>*No record** / / *</u>	<u>11:20 AM</u>		
Time (minutes)	Test #1	Test #2	Test #3
0	_____ psig	<u>1050</u> psig	_____ psig
5	_____ psig	_____ psig	_____ psig
10	_____ psig	<u>1050</u> psig	_____ psig
15	_____ psig	_____ psig	_____ psig
20	_____ psig	<u>1025</u> psig	_____ psig
25	_____ psig	_____ psig	_____ psig
30	_____ psig	<u>1025</u> psig	_____ psig
35	_____ psig	_____ psig	_____ psig
40	_____ psig	_____ psig	_____ psig
45	_____ psig	_____ psig	_____ psig
50	_____ psig	_____ psig	_____ psig
55	_____ psig	_____ psig	_____ psig
60	_____ psig	_____ psig	_____ psig
Tubing pressure	_____ psig	_____ psig	_____ psig
Result(circle)	Pass <b>Fail</b>	<b>Pass</b> Fail	Pass Fail

*Handwritten note:* 1400 # on Annulus  
Bleed off to 0#

See back of page for any additional comments and compliance followup.



May 6, 1998



Mechanical Integrity Tests  
Altamont/Bluebell Field  
Duchesne County, Utah

Mr. John Carson  
Environmental Protection Agency  
999 18th Street, Suite 500  
**Mail Code: 8ENF-T**  
Denver, Colorado 80202-2466

Dear Mr. Carson:

Attached please find the mechanical integrity tests for the following wells:

Lake Fork #2-23B4	43-013-30038
Hanson #2-4B3	43-013-30337
LDS Church #2-27B5	43-013-30340
Erich #2-11B5	43-013-30391

As you know, the Lake Fork #2-23B4 SWD was unable to maintain pressure during the mechanical integrity test. In order to check for any leaks, a pressure integrity was performed on the casing. There was 0# of pressure at the start of the casing pressure integrity test, pressure was increased to 1000#, and the pressure then decreased to 750# in 15 minutes. The pressure was then bleed off and the well was checked for flow -- no flow was detected. (Normal tubing injection pressure for this well is 900#.) As agreed upon in our conversation this afternoon, Coastal will monitor the casing annulus pressure on the Lake Fork #2-23B4 SWD on a daily basis for two weeks. The monitoring results will then be submitted to the EPA for review.

If you have any questions, please call me at (303) 573-4455.

Sincerely,

Sheila Bremer  
Environmental & Safety Analyst

Attachments

cc: Dan Jarvis - State of Utah  
Les Streeb  
Bill McGaughey

**Coastal Oil & Gas Corporation**

A SUBSIDIARY OF THE COASTAL CORPORATION  
600 17TH ST • STE 800 S • P O BOX 749 • DENVER CO 80201-0749 • 303 572-1121

# Mechanical Integrity Test Casing or Annulus Pressure Test

U.S. Environmental Protection Agency  
Underground Injection Control Program, UIC Implementation Section, IWI-DW  
999 13th Street, Suite 500, Denver, CO 80202-2166

EPA Witness: \_\_\_\_\_

Date 5/5/98 Time 8:25 (AM)

Test conducted by: HAC BLANCHARD

Others present: \_\_\_\_\_

Well: <u>HANSON 2-4 B3</u>	Well ID: _____
Field: <u>Altamont</u>	Company: <u>CONSTAC</u>
Well location: <u>NW/SE/SW sec. 4</u> <u>T2S R3W</u>	Address: <u>Altamont UT</u>

Time	Test #1	Test #2	Test #3
0 min	<u>1050</u> psig	_____ psig	_____ psig
5	<u>1050</u>	_____	_____
10	<u>1050</u>	_____	_____
15	<u>1025</u>	_____	_____
20	<u>1000</u>	_____	_____
25	<u>1000</u>	_____	_____
30 min	<u>1000</u>	_____	_____
35	_____	_____	_____
40	_____	_____	_____
45	_____	_____	_____
50	_____	_____	_____
55	_____	_____	_____
60 min	_____	_____	_____
tubing press	<u>1250</u> psig	_____ psig	_____ psig

Result (circle) Pass Fail      Pass Fail      Pass Fail

Signature of EPA Witness: \_\_\_\_\_

See back of page for any additional comments & compliance followup.

INSPECTION FORM STATE OF UTAH  
DIVISION OF OIL GAS AND MINING

**INJECTION WELL - INSPECTION RECORD**

Well Name: <u>HANSON 2-4B3 SWD</u>	API Number: <u>43-013-30337</u>
Qtr/Qtr: <u>SE/SW</u>	Section: <u>4</u>
Township: <u>2S</u>	Range: <u>3W</u>
Company Name: <u>COASTAL OIL &amp; GAS CORPORATION</u>	
Lease: State _____	Fee <u>YES</u>
Federal _____	Indian _____
Inspector: <u>DENNIS L. INGRAM</u>	Date: <u>JUNE 6, 1999</u>

Injection Type:

Disposal: YES      Enhanced Recovery: \_\_\_\_\_      Other: \_\_\_\_\_

Injecting: NO      Shut-In: NO

Rate: 0.0 (bpd)      Totalizer: 42157 (bbls)

Gauges:      Tubing: YES

Casing: YES      Casing Pressure: 0 (psig)

Tubing Pressure: 1350 (psig)      Housekeeping: GOOD

Equipment Condition: GOOD CONDITION

COMMENTS: PUMP HOUSE IS CLEAN, CHART IN PLACE, ALL GAUGES

WORKING. PUMP KICKED IN DURING VISIT.

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STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

5. Lease Designation and Serial Number  
Fee

6. Indian, Allottee or Tribe Name:  
N/A

7. Unit Agreement Name:  
N/A

8. Well Name and Number:  
Hansen #2-4B3

9. API Well Number:  
013 30337  
43-103-31070

10. Field and Pool, or Wildcat  
Altamont

**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 purposes

1. Type of Well: OIL  GAS  OTHER: WD SRT

2. Name of Operator  
Coastal Oil & Gas Corporation

3. Address and Telephone Number.  
P.O. Box 1148, Vernal UT 84078 (435)781-7023

4. Location of Well,  
Footages: 0641' FSL & 1988' FWL  
1072' FSL & 1460' FWL  
QQ,Sec., T., R., M.: SE/SW Sec. 4, T2S, R3W

County: Duchesne  
State: UT

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

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

Abandon  New Construction  
 Repair Casing  Pull or Alter Casing  
 Change of Plans  Recomplete  
 Convert to Injection  Perforate  
 Fracture Treat or Acidize  Vent or Flare  
 Multiple Completion  Water Shut-Off  
 Other Step Rate Test

Approximate date work will start Upon Approval

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

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

Date of work completion \_\_\_\_\_

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

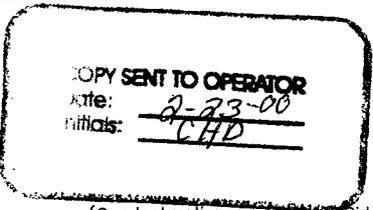
\* Must be accompanied by a cement verification report.

**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.)

Currently the subject well is shut in and a higher injection pressure is needed for satisfactory operation of the well. The maximum allowable for this well is 1350#. Coastal Oil & Gas Corporation would like to increase the injection pressure by conducting a SRT in order to establish an acceptable fracture gradient and increase the injection pressure to approximately 1700# - 1800#.

13. OIL, GAS AND MINING  
Name & Signature: [Signature] Title: Cheryl Cameron Environmental Analyst Date: 2/17/00

(This space for State use only)



**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY**

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  
7. UNIT or CA AGREEMENT NAME:  
8. WELL NAME and NUMBER:  
Exhibit "A"  
9. API NUMBER:  
10. FIELD AND POOL, OR WILDCAT:

1. TYPE OF WELL OIL WELL  GAS WELL  OTHER \_\_\_\_\_

2. NAME OF OPERATOR:  
El Paso Production Oil & Gas Company

3. ADDRESS OF OPERATOR: 368 South 1200 East CITY Vernal STATE Utah ZIP 84078 PHONE NUMBER: 435-789-4433

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: \_\_\_\_\_ COUNTY: \_\_\_\_\_  
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: \_\_\_\_\_ STATE: 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 (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 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"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Name Change</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

As a result of the merger between The Coastal Corporation and a wholly owned subsidiary of El Paso Energy Corporation, the name of Coastal Oil & Gas Corporation has been changed to El Paso Production Oil & Gas Company effective March 9, 2001.

See Exhibit "A"

Bond # 400JU0708

Coastal Oil & Gas Corporation

NAME (PLEASE PRINT) John T. Elzner TITLE Vice President

SIGNATURE [Signature] DATE 06-15-01

El Paso Production Oil & Gas Company

NAME (PLEASE PRINT) John T. Elzner TITLE Vice President

SIGNATURE [Signature] DATE 06-15-01

(This space for State use only)

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DIVISION OF  
OIL, GAS AND MINING



**EXHIBIT "A"**

**NAME CHANGE FROM COASTAL OIL & GAS CORPORATION TO EL PASO PRODUCTION OIL & GAS COMPANY**

<b>API Well No.</b>	<b>Well Name</b>	<b>Well Status</b>	<b>Well Type</b>	<b>Location(T-R)</b>	<b>Section</b>
43-013-30361-00-00	ALLRED 2-16A3	Active Well	Water Disposal	1S-3W	16
43-013-30370-00-00	UTE TRIBAL 1-25A3	Producing Well	Oil Well	1S-3W	25
43-013-30362-00-00	BIRCH 2-35A5	Active Well	Water Disposal	1S-5W	35
43-013-30337-00-00	G HANSON 2-4B3 SWD	Active Well	Water Disposal	2S-3W	4
43-013-30038-00-00	LAKE FORK 2-23B4	Active Well	Water Disposal	2S-4W	23
43-013-30371-00-00	LINDSAY RUSSELL 2-32B4	Active Well	Water Disposal	2S-4W	32
43-013-30121-00-00	TEW 1-9B5	Active Well	Water Disposal	2S-5W	9
43-013-30391-00-00	EHRICH 2-11B5	Active Well	Water Disposal	2S-5W	11
43-013-30340-00-00	LDS CHURCH 2-27B5	Active Well	Water Disposal	2S-5W	27
43-013-30289-00-00	RHOADES MOON 1-36B5	Shut_In	Oil Well	2S-5W	36
43-013-30056-00-00	UTE 1-14C6	Active Well	Water Disposal	3S-6W	14
43-047-33597-00-00	NBU SWD 2-16	Spudded (Drilling commenced: Not yet completed)	Water Disposal	10S-21E	16
43-047-32344-00-00	NBU 205	Shut_In	Gas Well	10S-22E	9
43-047-15880-00-00	SOUTHMAN CANYON U 3	Active Well	Water Disposal	10S-23E	15
43-047-31822-00-00	UTE 26-1		Water Disposal	4S-1E	26
43-047-32784-00-00	STIRRUP STATE 32-6	Active Well	Water Injection	6S-21E	32
43-047-30359-00-00	NBU 21-20B	Active Well	Water Disposal	9S-20E	20
43-047-33449-00-00	OURAY SWD 1	Approved permit (APD); not yet spudded	Water Disposal	9S-21E	1
43-047-31996-00-00	NBU 159	Active Well	Water Disposal	9S-21E	35

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JUN 19 2001

DIVISION OF  
OIL, GAS AND MINING

State of Delaware  
Office of the Secretary of State

---

PAGE 1

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "COASTAL OIL & GAS CORPORATION", CHANGING ITS NAME FROM "COASTAL OIL & GAS CORPORATION" TO "EL PASO PRODUCTION OIL & GAS COMPANY", FILED IN THIS OFFICE ON THE NINTH DAY OF MARCH, A.D. 2001, AT 11 O'CLOCK A.M.

**RECEIVED**

JUN 19 2001

DIVISION OF  
OIL, GAS AND MINING



*Harriet Smith Windsor*  
Harriet Smith Windsor, Secretary of State

0610204 8100

AUTHENTICATION: 1061007

010162788

DATE: 04-03-01

**CERTIFICATE OF AMENDMENT**

**OF**

**CERTIFICATE OF INCORPORATION**

COASTAL OIL & GAS CORPORATION (the "Company"), a corporation organized and existing under and by virtue of the General Corporation Law of the State of Delaware, DOES HEREBY CERTIFY:

FIRST: That the Board of Directors of the Company, by the unanimous written consent of its members, filed with the minutes of the Board, adopted a resolution proposing and declaring advisable the following amendment to the Certificate of Incorporation of the Company:

RESOLVED that it is deemed advisable that the Certificate of Incorporation of this Company be amended, and that said Certificate of Incorporation be so amended, by changing the Article thereof numbered "FIRST." so that, as amended, said Article shall be and read as follows:

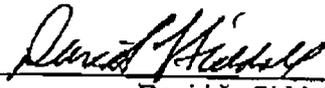
"FIRST. The name of the corporation is El Paso Production Oil & Gas Company."

SECOND: That in lieu of a meeting and vote of stockholders, the stockholders entitled to vote have given unanimous written consent to said amendment in accordance with the provisions of Section 228 of the General Corporation Law of the State of Delaware.

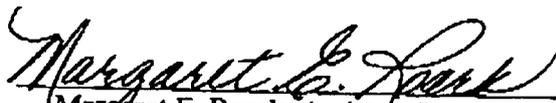
THIRD: That the aforesaid amendment was duly adopted in accordance with the applicable provisions of Sections 242 and 228 of the General Corporation Law of the State of Delaware.

IN WITNESS WHEREOF, said COASTAL OIL & GAS CORPORATION has caused this certificate to be signed on its behalf by a Vice President and attested by an Assistant Secretary, this 9th day of March 2001.

COASTAL OIL & GAS CORPORATION

  
\_\_\_\_\_  
David L. Siddall  
Vice President

Attest:

  
\_\_\_\_\_  
Margaret E. Roark, Assistant Secretary

STATE OF DELAWARE  
SECRETARY OF STATE  
DIVISION OF CORPORATIONS  
FILED 11:00 AM 03/09/2001  
010118394 - 0610204

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JUN 19 2001

DIVISION OF  
OIL, GAS AND MINING

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THAT THE SAID "COASTAL OIL & GAS CORPORATION", FILED A CERTIFICATE OF AMENDMENT, CHANGING ITS NAME TO "EL PASO PRODUCTION OIL & GAS COMPANY", THE NINTH DAY OF MARCH, A.D. 2001, AT 11 O'CLOCK A.M.

RECEIVED

JUN 19 2001

DIVISION OF  
OIL, GAS AND MINING



*Harriet Smith Windsor*  
Harriet Smith Windsor, Secretary of State

0610204 8320

AUTHENTICATION: 1103213

010202983

DATE: 04-27-01

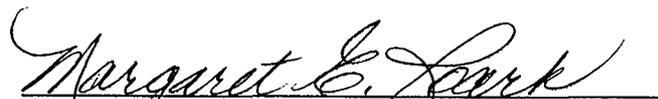
**EL PASO PRODUCTION OIL & GAS COMPANY**

**CERTIFICATE OF INCUMBENCY**

I, Margaret E. Roark, do hereby certify that I am a duly elected, qualified and acting Assistant Secretary of EL PASO PRODUCTION OIL & GAS COMPANY, a Delaware corporation (the "Company"), and that, as such, have the custody of the corporate records and seal of said Company; and

I do hereby further certify that the persons listed on the attached Exhibit A have been elected, qualified and are now acting in the capacities indicated, as of the date of this Certificate.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the corporate seal of El Paso Production Oil & Gas Company this 18th day of April 2001.

  
Margaret E. Roark, Assistant Secretary

**RECEIVED**

JUN 19 2001

DIVISION OF  
OIL, GAS AND MINING

**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. GLH		4-KAS <input checked="" type="checkbox"/>
2. CDW		5-LR <input checked="" type="checkbox"/>
3. JLT		6-FILE

Enter date after each listed item is completed

Change of Operator (Well Sold)

Designation of Agent

Operator Name Change (Only)

**X** Merger

The operator of the well(s) listed below has changed, effective: **3-09-2001**

<b>FROM: (Old Operator):</b>
COASTAL OIL & GAS CORPORATION
Address: 9 GREENWAY PLAZA STE 2721
HOUSTON, TX 77046-0995
Phone: 1-(713)-418-4635
Account N0230

<b>TO: ( New Operator):</b>
EL PASO PRODUCTION OIL & GAS COMPANY
Address: 9 GREENWAY PLAZA STE 2721 RM 2975B
HOUSTON, TX 77046-0995
Phone: 1-(832)-676-4721
Account N1845

CA No.

Unit:

**WELL(S)**

NAME	API NO	ENTITY NO	SEC TWN RNG	LEASE TYPE	WELL TYPE	WELL STATUS
ALLRED 2-16A3	43-013-30361	99996	16-01S-03W	FEE	WD	A
BIRCH 2-35A5	43-013-30362	99996	35-01S-05W	FEE	WD	A
<del>OHANSON 2-4B3 SWD</del>	43-013-30337	99990	04-02S-03W	FEE	WD	A
LAKE FORK 2-23B4	43-013-30038	1970	23-02S-04W	FEE	WD	A
LINDSAY RUSSELL 2-32B4	43-013-30371	99996	32-02S-04W	FEE	WD	A
TEW 1-9B5	43-013-30121	1675	09-02S-05W	FEE	WD	A
EHRICH 2-11B5	43-013-30391	99990	11-02S-05W	FEE	WD	A
LDS CHURCH 2-27B5	43-013-30340	99990	27-02S-05W	FEE	WD	A
UTE 1-14C6	43-013-30056	12354	14-03S-06W	INDIAN	WD	A
SOUTHMAN CANYON U 3	43-047-15880	99990	15-10S-23E	FEDERAL	WD	A
STIRRUP STATE 32-6 (HORSESHOE BEND UNIT)	43-047-32784	12323	32-06S-21E	STATE	WIW	A
NBU 21-20B (NATURAL BUTTES UNIT)	43-047-30359	2900	20-09S-20E	FEDERAL	WD	A
NBU 159 (NATURAL BUTTES UNIT)	43-047-31996	2900	35-09S-21E	FEDERAL	WD	A

**OPERATOR CHANGES DOCUMENTATION**

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 06/19/2001
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 06/19/2001
3. The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 06/21/2001
4. Is the new operator registered in the State of Utah: YES Business Number: 608186-0143

5. If **NO**, the operator was contacted contacted on: N/A
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the (merger, name change, or operator change for all wells listed on Federal or Indian leases on: N/A
7. **Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: N/A
8. **Federal and Indian Communization Agreements ("CA"):** The BLM or the BIA has approved the operator change for all wells listed involved in a CA on: N/A
9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

---

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 06/21/2001
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 06/21/2001
3. Bond information entered in RBDMS on: 06/20/2001
4. Fee wells attached to bond in RBDMS on: 06/21/2001

---

**STATE BOND VERIFICATION:**

1. State well(s) covered by Bond No.: 400JU0705

---

**FEE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed has furnished a bond: 400JU0708
2. The **FORMER** operator has requested a release of liability from their bond on: COMPLETION OF OPERATOR CHANGE  
The Division sent response by letter on: N/A
3. (R649-2-10) The **FORMER** operator of the Fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: COMPLETION OF OPERATOR CHANGE

---

**FILMING:**

1. All attachments to this form have been **MICROFILMED** on: 7.12.01

---

**FILING:**

1. **ORIGINALS/COPIES** of all attachments pertaining to each individual well have been filed in each well file on: \_\_\_\_\_

---

**COMMENTS: Master list of all wells involved in operator change from Coastal Oil & Gas Corporation to El Paso Production Oil and Gas Company shall be retained in the "Operator Change File".**

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INJECTION WELL - PRESSURE TEST

Well Name: HANSON 2-4B35WD API Number: 43-013-30337  
 Qtr/Qtr: SE/SW Section: 4 Township: 25 Range: 3W  
 Company Name: EL PASO  
 Lease: State Utah Federal \_\_\_\_\_ Indian \_\_\_\_\_  
 Inspector: Dennis P. [Signature] Date: 5-28-03

Initial Conditions:

Tubing - Rate: No Pressure: 1240 psi  
 Casing/Tubing Annulus - Pressure: 1000 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1000</u>	<u>1240</u>
5	<u>1000</u>	<u>1240</u>
10	<u>1000</u>	<u>1240</u>
15	<u>1000</u>	<u>1240</u>
20	<u>1000</u>	<u>1240</u>
25	<u>1000</u>	<u>1240</u>
30	<u>1000</u>	<u>1240</u>

Results:  Pass/Fail

Conditions After Test:

Tubing Pressure: 1240 psi

Casing/Tubing Annulus Pressure: 1000 psi

COMMENTS: Tested @ 2:25 PM w/ hot oil test for 5 year rule.

[Signature]  
 Operator Representative

INSPECTION FORM 6

STATE OF UTAH  
DIVISION OF OIL GAS AND MINING

INJECTION WELL - PRESSURE TEST

Well Name: HANSON 2-4635WD API Number: 43-03-30337  
 Qtr/Qtr: SE/SW Section: 4 Township: 25 Range: 3W  
 Company Name: EL PASO  
 Lease: State Fee Federal \_\_\_\_\_ Indian \_\_\_\_\_  
 Inspector: [Signature] Date: 5-28-03

Initial Conditions:

Tubing - Rate: No Pressure: 1240 psi  
 Casing/Tubing Annulus - Pressure: 1000 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1000</u>	<u>1240</u>
5	<u>1000</u>	<u>1240</u>
10	<u>1000</u>	<u>1240</u>
15	<u>1000</u>	<u>1240</u>
20	<u>1000</u>	<u>1240</u>
25	<u>1000</u>	<u>1240</u>
30	<u>1000</u>	<u>1240</u>

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: 1240 psi  
 Casing/Tubing Annulus Pressure: 1000 psi

COMMENTS: Tested @ 2:25 pm w/ hot oil test for 5 year rule.

[Signature]  
 Operator Representative

RECEIVED

MAY 28 2003

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

<b>ROUTING</b>
1. DJJ
2. CDW

Change of Operator (Well Sold)

**X Operator Name Change**

The operator of the well(s) listed below has changed, effective: <u>7/1/2006</u>	
<b>FROM: (Old Operator):</b> N1845-El Paso Production O&G Company 1001 Louisiana Street Houston, TX 77002 Phone: 1 (713) 420-2300	<b>TO: ( New Operator):</b> N3065-El Paso E&P Company, LP 1001 Louisiana Street Houston, TX 77002 Phone: 1 (713) 420-2131
<b>CA No.</b>	<b>Unit:</b>

**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: 7/5/2006
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 7/5/2006
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 3/30/2006
- Is the new operator registered in the State of Utah: YES Business Number: 2114377-0181
- If **NO**, the operator was contacted on:
- (R649-9-2) Waste Management Plan has been received on:                      requested 7/18/06
- Inspections of LA PA state/fee well sites complete on:                     ok
- Reports current for Production/Disposition & Sundries on:
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on:           BLM           not yet           BIA           not yet
- Federal and Indian Units:**  
 The BLM or BIA has approved the successor of unit operator for wells listed on:           not yet
- Federal and Indian Communization Agreements ("CA"):**  
 The BLM or BIA has approved the operator for all wells listed within a CA on:           n/a
- Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on:           7/14/2006

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on:           7/19/2006
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on:           7/19/2006
- Bond information entered in RBDMS on:           7/19/2006
- Fee/State wells attached to bond in RBDMS on:           7/19/2006
- Injection Projects to new operator in RBDMS on:           7/19/2006
- Receipt of Acceptance of Drilling Procedures for APD/New on:           7/5/2006

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number:           103601420
- Indian well(s) covered by Bond Number:           103601473
- (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number           400JU0708
- The **FORMER** operator has requested a release of liability from their bond on:           n/a           applicable wells moved  
 The Division sent response by letter on:           n/a

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on:           7/20/2006

**COMMENTS:**

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>MULTIPLE LEASES</b>
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		8. WELL NAME and NUMBER: <b>SEE ATTACHED</b>
2. NAME OF OPERATOR: <b>EL PASO PRODUCTION OIL AND GAS COMPANY</b> <i>N1845</i>		9. API NUMBER:
3. ADDRESS OF OPERATOR: 1339 EL SEGUNDO AVE NE ALBUQUERQUE NM 87113	PHONE NUMBER: (505) 344-9380	10. FIELD AND POOL, OR WILDCAT: <b>SEE ATTACHED</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>SEE ATTACHED</b>		COUNTY: <b>UINTAH &amp; DUCHESNE</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: <b>CHANGE OF OPERATOR</b>
	<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.

PLEASE BE ADVISED THAT EL PASO PRODUCTION OIL AND GAS COMPANY (CURRENT OPERATOR) HAS TRANSFERRED ITS OPERATORSHIP TO EL PASO E&P COMPANY, L.P. (NEW OPERATOR) EFFECTIVE ~~JUNE 30~~ *July 1,* 2006 AND THAT EL PASO E&P COMPANY, L.P. IS CONSIDERED TO BE THE NEW OPERATOR OF THE ATTACHED WELL LOCATIONS.

EL PASO E&P COMPANY, L.P. IS RESPONSIBLE UNDER THE TERMS AND CONDITIONS OF THE LEASE(S) FOR THE OPERATIONS CONDUCTED UPON LEASED LANDS. BOND COVERAGE IS PROVIDED BY THE STATE OF UTAH STATEWIDE BLANKET BOND NO. 400JU0705, BUREAU OF LAND MANAGEMENT NATIONWIDE BOND NO. 103601420, AND BUREAU OF INDIAN AFFAIRS NATIONWIDE BOND NO. 103601473.

El Paso E & P Company, L. P. *N3065*  
1001 Louisiana  
Houston, TX 77002

*William M. Griffin*  
William M. Griffin, Sr. Vice President

NAME (PLEASE PRINT) <b>CHERYL CAMERON</b>	TITLE <b>AUTHORIZED REGULATORY AGENT</b>
SIGNATURE <i>Cheryl Cameron</i>	DATE <b>6/20/2006</b>

(This space for State use only)

**APPROVED** *7/19/06*  
*Earlene Russell*  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

(5/2000)

(See Instructions on Reverse Side)

**RECEIVED**  
**JUL 05 2006**  
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 G HANSON 2-4B3 SWD	API Number 4301330337
Location of Well Footage : 641' FSL, 1988' FWL County : DUCHESNE QQ, Section, Township, Range: SESW 4 2S 3W State : UTAH	Field or Unit Name ALTAMONT/BLUEBELL Lease Designation and Number FEE

EFFECTIVE DATE OF TRANSFER: 6/30/2006

**CURRENT OPERATOR**

Company: <u>EL PASO PRODUCTION OIL &amp; GAS COMPANY</u>	Name: <u>CHERYL CAMERON</u>
Address: <u>1339 EL SEGUNDO AVE NE</u>	Signature: <u><i>Cheryl Cameron</i></u>
<u>city ALBUQUERQUE state NM zip 87113</u>	Title: <u>REGULATORY ANALYST</u>
Phone: <u>(505) 344-9380</u>	Date: <u>6/6/2006</u>
Comments:	

**NEW OPERATOR**

Company: <u>EL PASO E&amp;P COMPANY, L.P.</u>	Name: <u>CHERYL CAMERON</u>
Address: <u>1339 EL SEGUNDO AVE NE</u>	Signature: <u><i>Cheryl Cameron</i></u>
<u>city ALBUQUERQUE state NM zip 87113</u>	Title: <u>REGULATORY ANALYST</u>
Phone: <u>(505) 344-9380</u>	Date: <u>6/6/2006</u>
Comments:	

(This space for State use only)

Transfer approved by: *Don Davis*  
Title: *Geologist*

Approval Date: *7/14/06*

Comments:



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

November 6, 2008

Brad Jensen  
El Paso E&P Company, LP  
P.O. Box 120  
Altamont, Utah 84001

43 013 30337  
G Hanson 2-4B3  
2S 3W 4

SUBJECT: Pressure Test for Mechanical Integrity, SWD wells located in Duchesne County, Utah

Dear Mr. Jensen:

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 to test the attached list of wells as soon as possible and ready the wells for testing 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, as each well will be required to hold pressure for a minimum of 15 minutes.
3. If mechanical difficulties or workover operations make it impossible for the well(s) to be tested on the arranged date the test(s) may be rescheduled.



Page 2  
November 6, 2008

4. Company personnel should meet a DOGM representative(s) at the field office or other location as negotiated.
5. All bradenhead valves with exception of the tubing on the injection well(s) must be shut-in 24 hours prior to testing.

Please contact Dennis Ingram at (435) 722-7584 or (435) 722-3417 to arrange a meeting time and place.

Sincerely,

A handwritten signature in black ink, appearing to read "Dan Jarvis". The signature is written in a cursive style with a large, looped initial "D".

Dan Jarvis  
Field Operations Manager/UIC Geologist

DJ/js

cc: Dennis Ingram, Petroleum Specialist  
Well File

Wells Requiring Mechanical Integrity Testing

Rhoades Moon 1-36B5  
G Hansen 2-4B3  
LDS Church 2-27B5  
Ehrich 2-11B5



GARY R. HERBERT  
Governor

GREGORY S. BELL  
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

July 1, 2010

Certified Mail No: 7004 1160 0003 0190 4550

Mr. Brad Jensen  
Mr. Val Oman  
El Paso Oil & Gas  
P.O. Box 120  
Altamont, UT 84001

43 013 30337  
2S 3W 4

SUBJECT: Hanson 2-4B3 Water Disposal Well and other onsite pits

Dear Mr. Jensen & Mr. Oman:

A recent inspection of the Hanson 2-4B3 water disposal well was done and numerous holes were found in the emergency pit liner. The bad liner in this pit is not an isolated problem, but one that has been found across the field in many of El Paso's emergency pits. If emergency pits are utilized rather than tanks, the Division expects operators to maintain the integrity of that liner to prevent fluids from leaving the pit and contaminating underlying soils or ground water.

The Division Staff has a broad spectrum of duties across the county and inspection of each and every emergency pit liner is on the list. Therefore, I'm requesting that El Paso have their field personnel check each pit for liner integrity and formulate a list of sites that need attention. Please move immediately to schedule repair or replacement of the above mentioned liner and other pit liners in the Altamont/Bluebell Fields that have holes or their integrity has been compromised.

Sincerely,

Dennis L. Ingram  
Petroleum Operations Specialist  
30 West 425 South (330-11)  
Roosevelt Field Office  
Office: (435) 722-3417  
Cell: (435) 722-7584

DLI/js  
N:\O&G Reviewed Docs\ChronFile\Operations



7004 1160 0003 0190 4550

**U.S. Postal Service™**  
**CERTIFIED MAIL™ RECEIPT**  
*(Domestic Mail Only; No Insurance Coverage Provided)*

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Restricted Delivery Fee (Endorsement Required)	

7/7/2010  
Postmark Here *JS*

Total Postage **MR BRAD JENSEN**

Sent To	<b>MR VAL OMAN</b>
Street, Apt. # or PO Box No	<b>EL PASO OIL &amp; GAS</b>
City, State, Zi	<b>PO BOX 120</b> <b>ALTAMONT UT 84001</b>

PS Form 3800, June 2002 See Reverse for Instructions

**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

**MR BRAD JENSEN**  
**MR VAL OMAN**  
**EL PASO OIL & GAS**  
**PO BOX 120**  
**ALTAMONT UT 84001**

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature  Agent  
*W. Rebiner*  Addressee

B. Received by (Printed Name) C. Date of Delivery  
*7/2/10*

D. Is delivery address different from item 1?  Yes  
If YES, enter delivery address below:  No

3. Service Type  
 Certified Mail  Express Mail  
 Registered  Return Receipt for Merchandise  
 Insured Mail  C.O.D.

4. Restricted Delivery? (Extra Fee)  Yes

2. Article Number (Transfer from service label) **7004 1160 0003 0190 4550**

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET (for state use only)**

**ROUTING**  
 CDW

**X - Change of Operator (Well Sold)**

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

**6/1/2012**

**FROM:** (Old Operator):  
 N3065- El Paso E&P Company, L.P.  
 1001 Louisiana Street  
 Houston, TX. 77002  
  
 Phone: 1 (713) 997-5038

**TO:** ( New Operator):  
 N3850- EP Energy E&P Company, L.P.  
 1001 Louisiana Street  
 Houston, TX. 77002  
  
 Phone: 1 (713) 997-5038

CA No.

Unit:

N/A

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
See Attached List								

**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: 6/25/2012
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/25/2012
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/27/2012
- Is the new operator registered in the State of Utah: \_\_\_\_\_ Business Number: 2114377-0181
- (R649-9-2)Waste Management Plan has been received on: Yes
- Inspections of LA PA state/fee well sites complete on: N/A
- Reports current for Production/Disposition & Sundries on: 6/25/2012
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM N/A BIA Not Received
- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: N/A
- Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 9/12/2012

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 9/24/2102
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 9/24/2012
- Bond information entered in RBDMS on: 9/24/2012
- Fee/State wells attached to bond in RBDMS on: 9/24/2012
- Injection Projects to new operator in RBDMS on: 9/24/2012
- Receipt of Acceptance of Drilling Procedures for APD/New on: N/A

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: 103601420
- Indian well(s) covered by Bond Number: 103601473
- (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 400JU0705
- The **FORMER** operator has requested a release of liability from their bond on: N/A

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 9/24/2012

**COMMENTS:**

Well Name	Sec	TWP	RNG	API Number	Enity Number	Lease	Well Tyoe	Well Status
UTE 1-14C6	14	030S	060W	4301330056	12354	Indian	WD	A
UTE TRIBAL 1-A	18	030S	060W	4301315122	99990	Fee	WD	A
LAKE FORK 2-23B4	23	020S	040W	4301330038	1970	Fee	WD	A
TEW 1-9B5	09	020S	050W	4301330121	1675	Fee	WD	A
RHOADES MOON 1-36B5	36	020S	050W	4301330289	4765	Fee	WD	A
G HANSON 2-4B3 SWD	04	020S	030W	4301330337	99990	Fee	WD	A
LDS CHURCH 2-27B5	27	020S	050W	4301330340	99990	Fee	WD	A
LINDSAY RUSSELL 2-32B4	32	020S	040W	4301330371	99996	Fee	WD	A
EHRICH 2-11B5	11	020S	050W	4301330391	99990	Fee	WD	A
LAWSON 1-21A1	21	010S	010W	4301330738	935	Fee	WI	A
DAVIS 1-33A1E	33	010S	010E	4304730384	805	Fee	WD	A
ALLRED 2-16A3	16	010S	030W	4301330361	99996	Fee	WD	I
BIRCH 2-35A5	35	010S	050W	4301330362	99996	Fee	WD	I

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

<b>1. TYPE OF WELL</b> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> Multiple Leases
<b>2. NAME OF OPERATOR:</b> El Paso E&P Company, L.P. Attn: Maria Gomez		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> 1001 Louisiana CITY Houston STATE TX ZIP 77002		<b>7. UNIT or CA AGREEMENT NAME:</b>
PHONE NUMBER: (713) 997-5038		<b>8. WELL NAME and NUMBER:</b> See Attached
<b>4. LOCATION OF WELL</b> FOOTAGES AT SURFACE: See Attached		<b>9. API NUMBER:</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		<b>10. FIELD AND POOL, OR WILDCAT:</b> See Attached
COUNTY:		STATE: <b>UTAH</b>

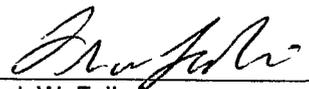
**11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

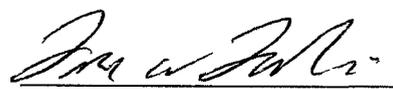
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> (Submit in Duplicate)  Approximate date work will start: _____  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> (Submit Original Form Only)  Date of work completion: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Change of</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<u>Name/Operator</u>

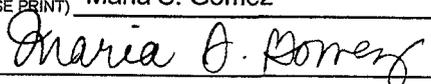
**12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS.** Clearly show all pertinent details including dates, depths, volumes, etc.

Please be advised that El Paso E&P Company, L.P. (current Operator) has changed names to EP Energy E&P Company, L.P. (new Operator) effective June 1, 2012 and that EP Energy E&P Company, L.P. is considered the new operator of the attached well locations.

EP Energy E&P Company, L.P. is responsible under the terms and conditions of the lease(s) for the operations conducted upon leased lands. Bond coverage is provided by the State of Utah Statewide Blanket Bond No. 400JU0705, Bureau of Land Management Nationwide Bond No. 103601420, and Bureau of Indian Affairs Nationwide Bond No. 103601473.

  
Frank W. Falleri  
Vice President  
El Paso E&P Company, L.P.

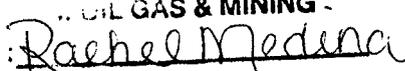
  
Frank W. Falleri  
Sr. Vice President  
EP Energy E&P Company, L.P.

NAME (PLEASE PRINT) <u>Maria S. Gomez</u>	TITLE <u>Principal Regulatory Analyst</u>
SIGNATURE 	DATE <u>6/22/2012</u>

(This space for State use only)

**APPROVED**

SEP 24 2012

OIL GAS & MINING  


**RECEIVED**

JUN 25 2012

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 G Hanson 2-4B3SWD	API Number 4301330337
Location of Well Footage : 641' FSL & 1988' FWL County : Duchesne QQ, Section, Township, Range: SESW 4 2S 3W State : UTAH	Field or Unit Name Altamont/Bluebell Lease Designation and Number Fee

EFFECTIVE DATE OF TRANSFER: 6/1/2012

**CURRENT OPERATOR**

Company: <u>El Paso E&amp;P Company, L.P.</u>	Name: <u>Maria S. Gomez</u>
Address: <u>1001 Louisiana</u>	Signature: <u><i>Maria S. Gomez</i></u>
city <u>Houston</u> state <u>TX</u> zip <u>77002</u>	Title: <u>Principal Regulatory Analyst</u>
Phone: <u>(713) 997-5038</u>	Date: <u>9/11/2012</u>
Comments:	

**NEW OPERATOR**

Company: <u>EP Energy E&amp;P Company, L.P.</u>	Name: <u>Maria S. Gomez</u>
Address: <u>1001 Louisiana</u>	Signature: <u><i>Maria S. Gomez</i></u>
city <u>Houston</u> state <u>TX</u> zip <u>77002</u>	Title: <u>Principal Regulatory Analyst</u>
Phone: <u>(713) 997-5038</u>	Date: <u>9/11/2012</u>
Comments:	

(This space for State use only)

Transfer approved by: *[Signature]*  
Title: *UIC Geologist*

Comments:

Approval Date: *9/19/2012*

RECEIVED  
SEP 12 2012  
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.	5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Water Disposal Well	8. WELL NAME and NUMBER: G HANSON 2-4B3 SWD
2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.	9. API NUMBER: 43013303370000
3. ADDRESS OF OPERATOR: 1001 Louisiana , Houston, TX, 77002	PHONE NUMBER: 713 997-5038 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0641 FSL 1988 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 04 Township: 02.0S Range: 03.0W Meridian: U	9. FIELD and POOL or WILDCAT: ALTAMONT
	COUNTY: DUCHESNE
	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <b>3/9/2015</b>	<input checked="" type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<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.

EP plans to acidize this well with ~5000 gals.

**Approved by the**  
**March 09, 2015**  
**Oil, Gas and Mining**

Date: \_\_\_\_\_  
 By: 

NAME (PLEASE PRINT) Maria S. Gomez	PHONE NUMBER 713 997-5038	TITLE Principal Regulatory Analyst
SIGNATURE N/A	DATE 3/9/2015	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Water Disposal Well	8. WELL NAME and NUMBER: G HANSON 2-4B3 SWD
2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.	9. API NUMBER: 43013303370000
3. ADDRESS OF OPERATOR: 1001 Louisiana , Houston, TX, 77002	PHONE NUMBER: 713 997-5038 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0641 FSL 1988 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 04 Township: 02.0S Range: 03.0W Meridian: U	9. FIELD and POOL or WILDCAT: ALTAMONT
	COUNTY: DUCHESNE
	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 5/5/2015	<input checked="" type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<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.

EP requests approval to acidize with 5000 - 7500 gals of 15% HCL from 3000'-6026'.

**Approved by the**  
**May 04, 2015**  
**Oil, Gas and Mining**

**Date:** \_\_\_\_\_  
**By:** 

<b>NAME (PLEASE PRINT)</b> Maria S. Gomez	<b>PHONE NUMBER</b> 713 997-5038	<b>TITLE</b> Principal Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 5/4/2015	