

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

Patented
5. Lease Designation and Serial No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

| | | | | | |
|--|--|--|---|--|--|
| 1a. Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> | | | 6. If Indian, Allottee or Tribe Name | | |
| b. Type of Well Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other S.W. Disposal <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone <input type="checkbox"/> | | | 7. Unit Agreement Name | | |
| 2. Name of Operator Shell Oil Company | | | 8. Farm or Lease Name Erich | | |
| 3. Address of Operator 1700 Broadway, Denver, Colorado 80202 | | | 9. Well No. 2-11B5 | | |
| 4. Location of Well (Report location clearly and in accordance with any State requirements.*) At surface 1443' FWL and 1983' FSL Section 11 At proposed prod. zone | | | 10. Field and Pool, or Wildcat Altamont | | |
| 14. Distance in miles and direction from nearest town or post office* | | | 11. Sec., T., R., M., or Bk. and Survey or Area NE/4 SW/4 Section 11-T2S-R5W | | |
| 15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any) 1443' | | | 12. County or Parrish 13. State Duchesne Utah | | |
| 16. No. of acres in lease 640 | | | 17. No. of acres assigned to this well N.A. | | |
| 18. Distance from proposed location ² to nearest well, drilling, completed, or applied for, on this lease, ft. same sec. as 1-11B5 (oil well) | | | 19. Proposed depth 5900' | | |
| 20. Rotary or cable tools Rotary | | | 21. Elevations (Show whether DF, RT, GR, etc.) 6870 Est. GR | | |
| 22. Approx. date work will start* | | | | | |

23. PROPOSED CASING AND CEMENTING PROGRAM

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

See Attachments:

1. Survey Plat
2. Drilling Prognosis w/Csg, Logging, Cmt'g & Mud Programs

APPROVED BY DIVISION OF OIL & GAS CONSERVATION
 DATE _____
 BY _____

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 J. W. Linnel Title Div. Operations Engineer Date July 8, 1975
 (This space for Federal or State office use)

Permit No. _____ Approval Date _____
 Approved by _____ Title _____ Date _____
 Conditions of approval, if any:

cc: U. S. Geological Survey - Salt Lake City

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

SUBMIT 1
(Other reverse)

REPLICATE*
(Instructions on reverse)

Patented
5. Lease Designation and Serial

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

DRILL

DEEPEN

PLUG BACK

ACK

6. If Indian, Allottee or Tribe Name

b. Type of Well

7. Unit Agreement Name

8. Farm or Lease Name

Erich

Well No.

2-11B5

9. Field and Pool, or Wildcat

Altamont

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

NE/4 SW/4 Section 11-

T2S-R5W

12. County or Parrish 13. State

Duchesne Utah

17. No. of acres assigned to this well

N.A.

20. Rotary or cable tools

Rotary

22. Approx. date work will start

Oil Well Gas Well Other S.W.

Disposal Single Zone Multiple Zone

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.*)

1400' FWL and 1983' FSL Section 11

At proposed prod. zone

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

15. Distance from proposed* location to nearest property or lease line, ft. (At least to nearest drlg. line, if any) 1443'

16. No. of acres in lease

640

18. Distance from proposed location* to nearest well, (drilling, completed, or plugged for, on this lease, ft. same section as well) 1-11B5 (containing well)

19. Proposed depth

5900'

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

6870 Est. DR

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole

Size of Casing

Weight per Foot

Setting Depth

Quantity of Cement

See Attachments:

- 1. Survey Plat
- 2. Drilling Prognosis w/Csg, Logging, Cmt'g & Mud Programs

APPROVED BY DIVISION OF OIL & GAS CONSERVATION
DATE 7/8/75
J. W. Himmel

24. IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM. If proposal is to drill or deepen direct preventive program, if any.

If proposal is to deepen or plug back, give pertinent data on subsurface location on present productive zone and proposed zone and measured and true vertical depths. Give without

without

Signature

J. W. Himmel

Title Div. Operations Engineer

Date July 8, 1975

(This space for Federal or State office use)

Permit No.

Approval Date

Approved by
Conditions of approval, if any:

Title

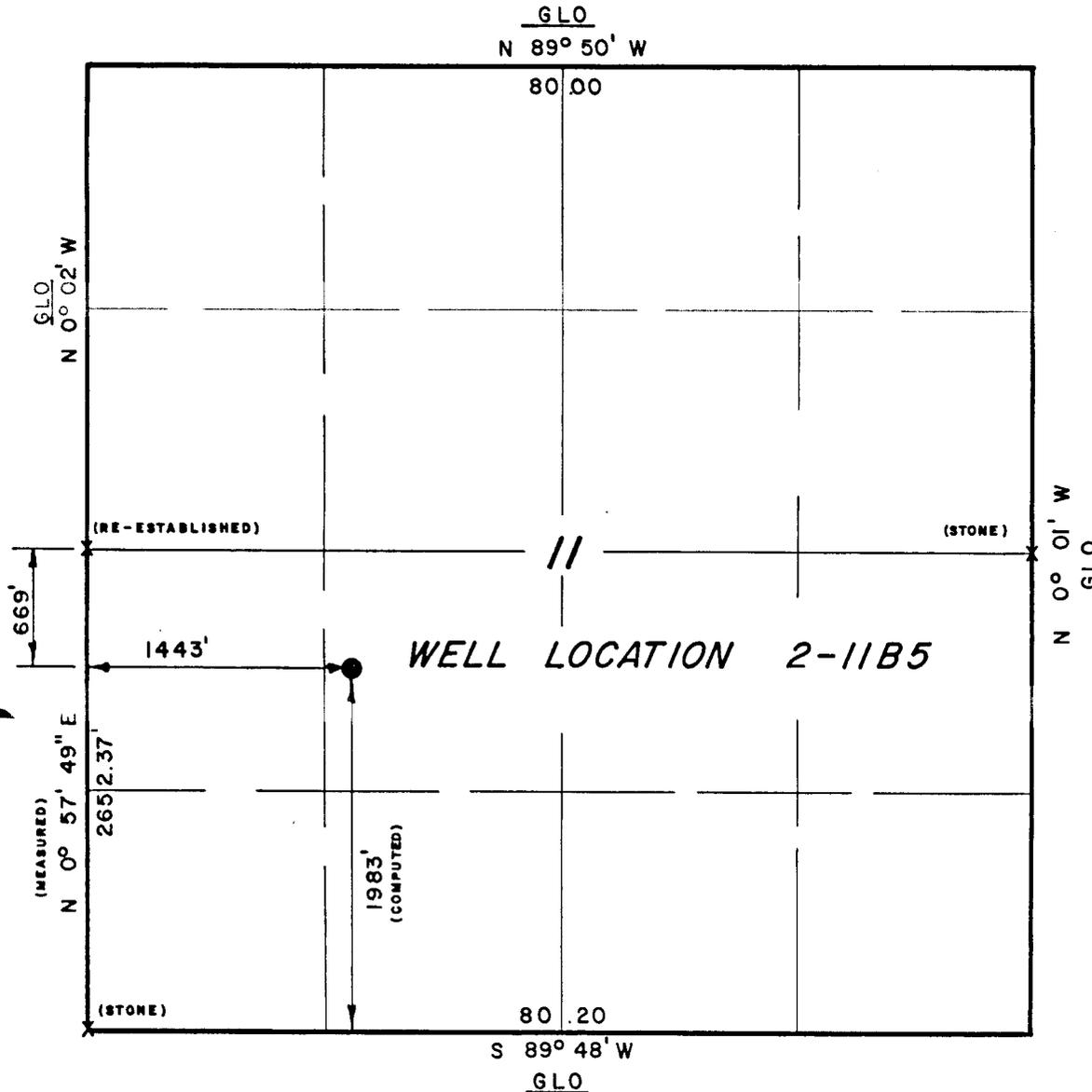
Date

cc: U. S. Geological Survey Salt Lake City

T2S, R5W, U.S.B. & M.

PROJECT
SHELL OIL COMPANY

Well location, 2-11B5, Located as shown in the NE 1/4 SW 1/4 Section 11, T2S, R5W, U.S.B. & M. Duchesne County, Utah.



X = Section corners located



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.

Sena 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 5/5/75 |
| PARTY GS MS RK RL | REFERENCES GLO PLAT |
| WEATHER FAIR | FILE SHELL OIL CO. |

DR. BY: CKD BY:
RS *CK*

DRILLING WELL PROGNOSIS

SHELL OIL COMPANY
EXHIBIT "C"

WELL No. 2-11B5
 TYPE WELL SWD
 FIELD/AREA Altamont

APPROX. LOCATION (SUBJECT TO SURVEY) 1443' FWL, 1983' FSL, Sec. 11, T2S, R5W, Duchesne County, Utah

EST. G.L. ELEVATION 6870 PROJECTED TD 5900 OBJECTIVE Duchesne River-Uinta

| HOLE SIZE | CASING PROGRAM | LOGGING PROGRAMS | MAX. DEV. | DEPTHS AND FORMATION TOPS | SPECIAL INSTRUCTIONS |
|-----------|----------------|------------------------------------|-----------------------|-------------------------------------|---|
| 2 1/2" | 9 5/8" | BHC Sonic/ GR/Cal (Thur Csg) | | 1000'± | SAMPLES: 30'-Surface to TD CORES: None DST'S: None DEVIATION CONTROL Maximum dogleg severity 1 1/2° per 100' CEMENT 9 5/8" - Cement to surface 7" - Cement to surface utilizing DV Tools at 4000' and 2000' MUD 0 - 1000' Spud Mud 1000' - 5900' Aereated Water |
| 3/4" | 7" | DIL BHC Sonic/GR/Cal | 10 Per 1000' of Depth | TGR 5690 (+1200') TD 5900 | |

ORIGINATOR: D. M. Newell DATE 6/13/75

ENGINEERING APPROVAL:

PETROLEUM: _____

OPERATIONS: *[Signature]*

OPERATIONS APPROVAL:

[Signature]
 DIV. DRILLING SUPERVISOR

DRILLING WELL PROGNOSIS

SHELL OIL COMPANY
EXHIBIT "C"

WELL No. 2-11B5
 TYPE WELL SWD
 FIELD/AREA Altamont

APPROX. LOCATION (SUBJECT TO SURVEY) 1443' FWL, 1983' FSL, Sec. 11, T2S, R5W, Duchesne County, Utah

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ORIGINATOR: D. M. Newell DATE 6/13/75

ENGINEERING APPROVAL: _____

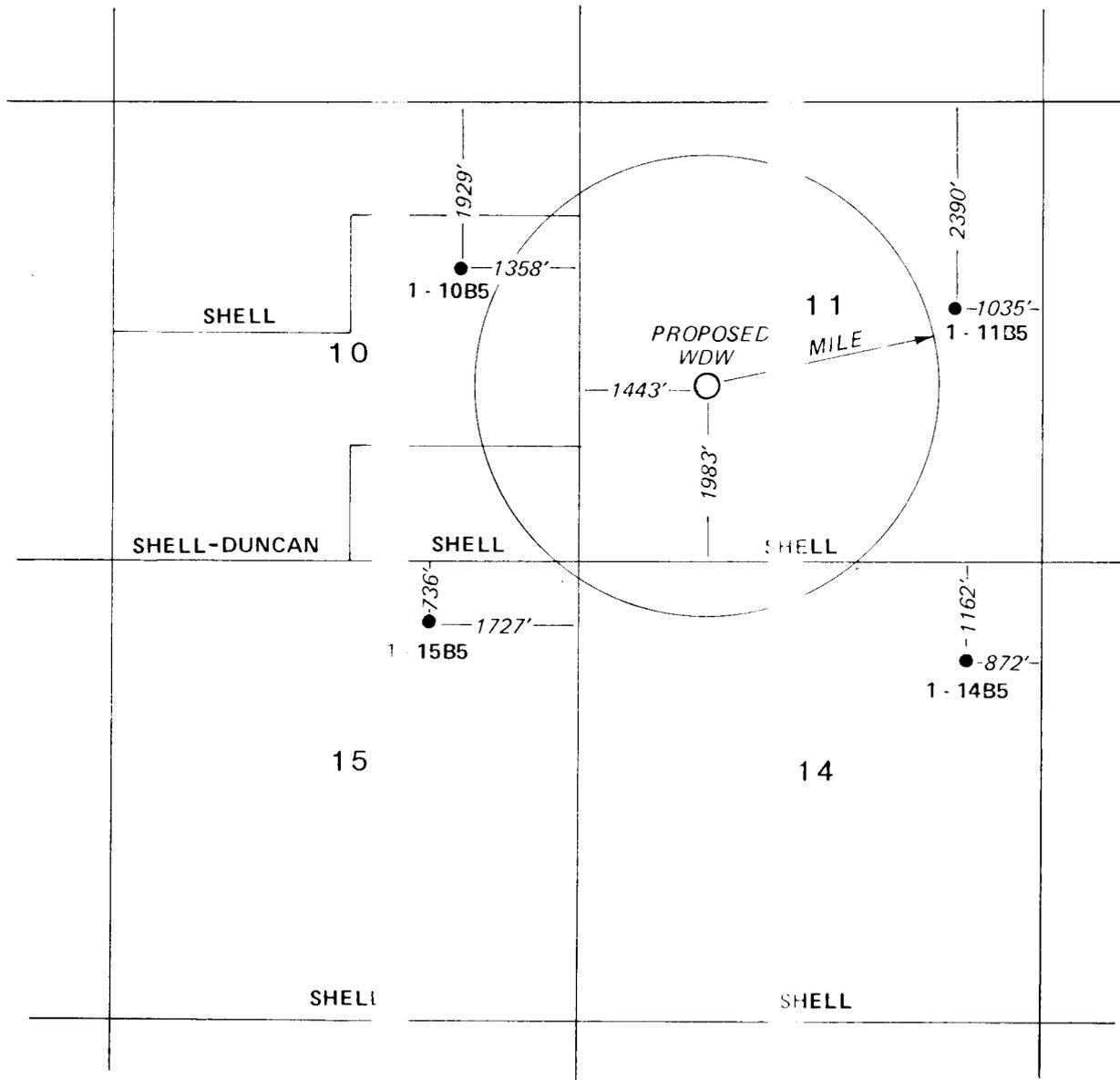
PETROLEUM: _____

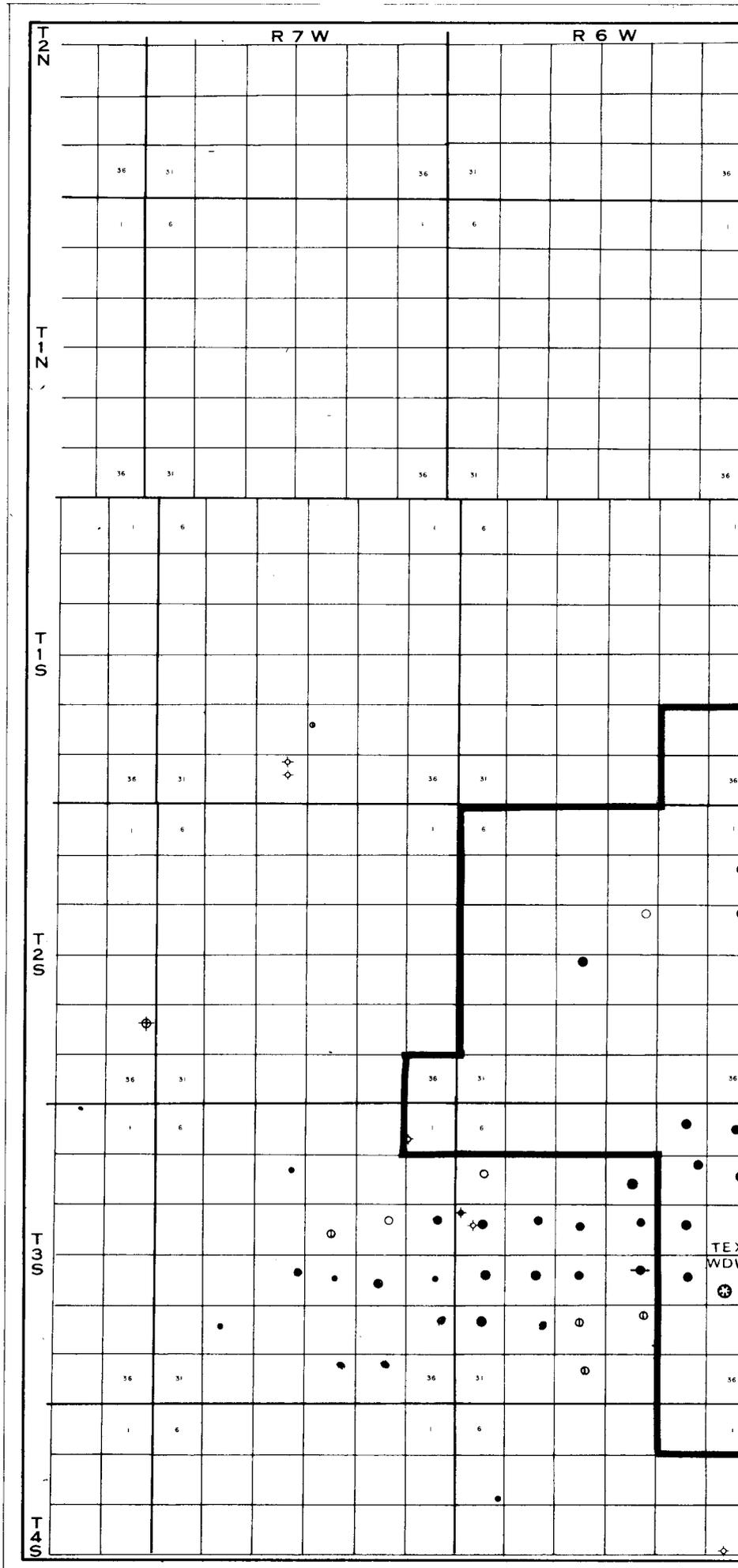
OPERATIONS: [Signature]

OPERATIONS APPROVAL: _____

[Signature]
 DIV. DRILLING SUPERVISOR

LESSEE PLAT
SECTIONS 10-11-14-15
T2S-R5W USM
DUCESNE COUNTY, UTAH



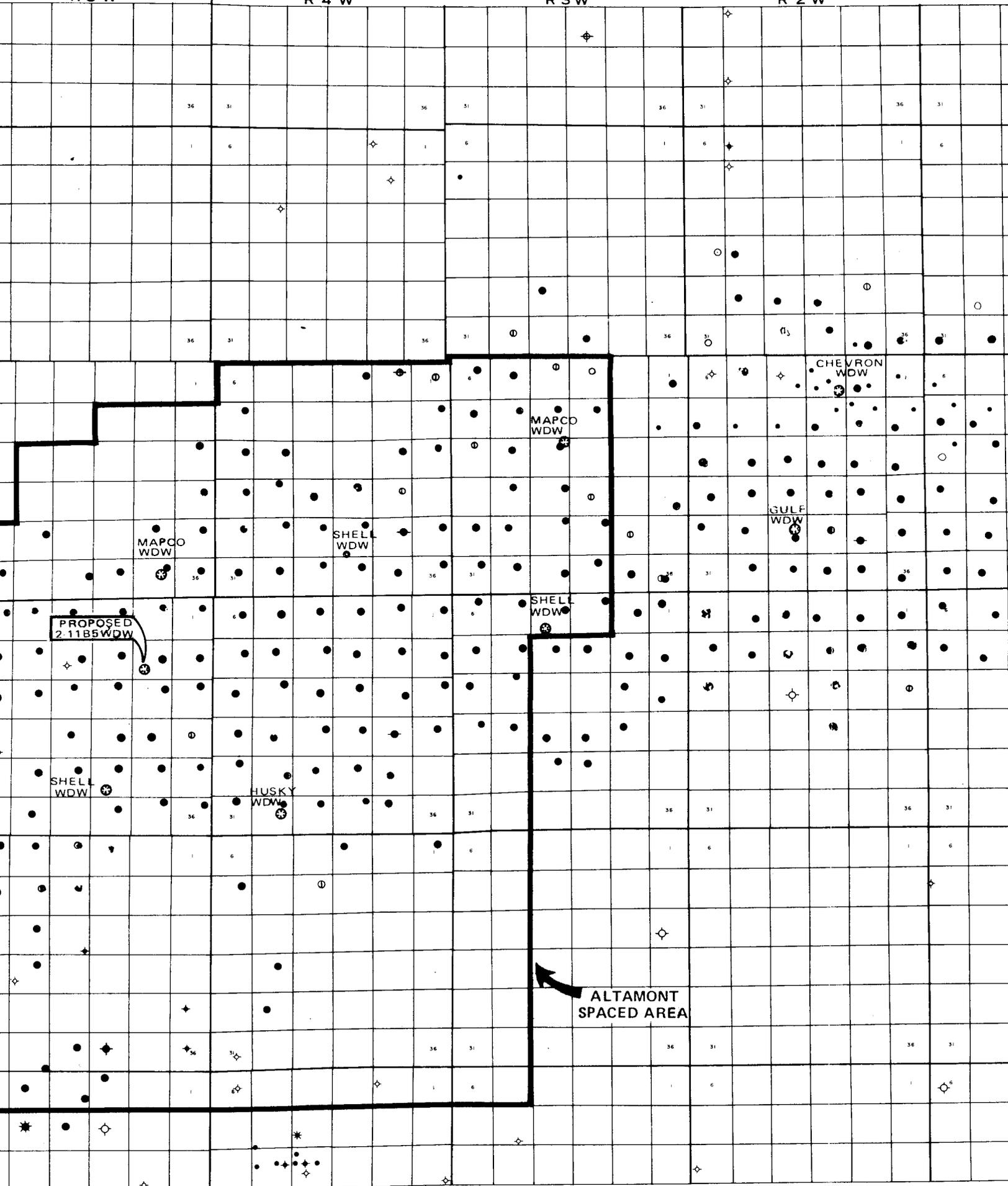


R 5 W

R 4 W

R 3 W

R 2 W



PROPOSED
2-11B5WDW

MAPCO
WDW

SHELL
WDW

MAPCO
WDW

CHEVRON
WDW

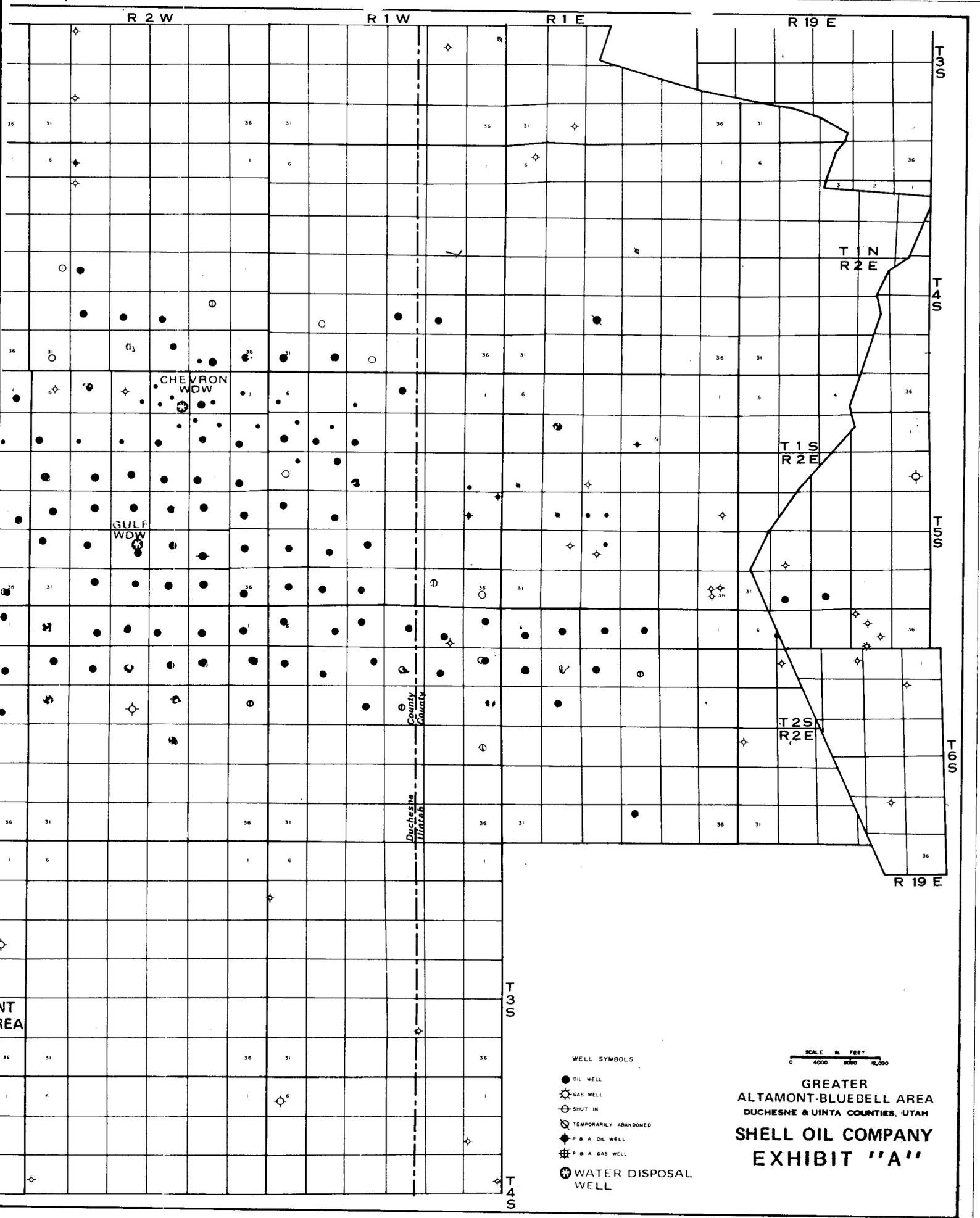
GULF
WDW

SHELL
WDW

SHELL
WDW

HUSKY
WDW

ALTAMONT
SPACED AREA



R 2 W

R 1 W

R 1 E

R 19 E

T 3 S

T 4 S

T 5 S

T 6 S

T 1 N
R 2 E

T 1 S
R 2 E

T 2 S
R 2 E

R 19 E

CHEVRON
WDW

GULF
WDW

Duchesne
County
Uinta
County

WELL SYMBOLS

- OIL WELL
- ★ GAS WELL
- ⊙ SHUT IN
- ⊗ TEMPORARILY ABANDONED
- ◆ P & A OIL WELL
- ◆⊗ P & A GAS WELL
- ⊗ WATER DISPOSAL WELL

SCALE IN FEET
0 4000 8000 12,000

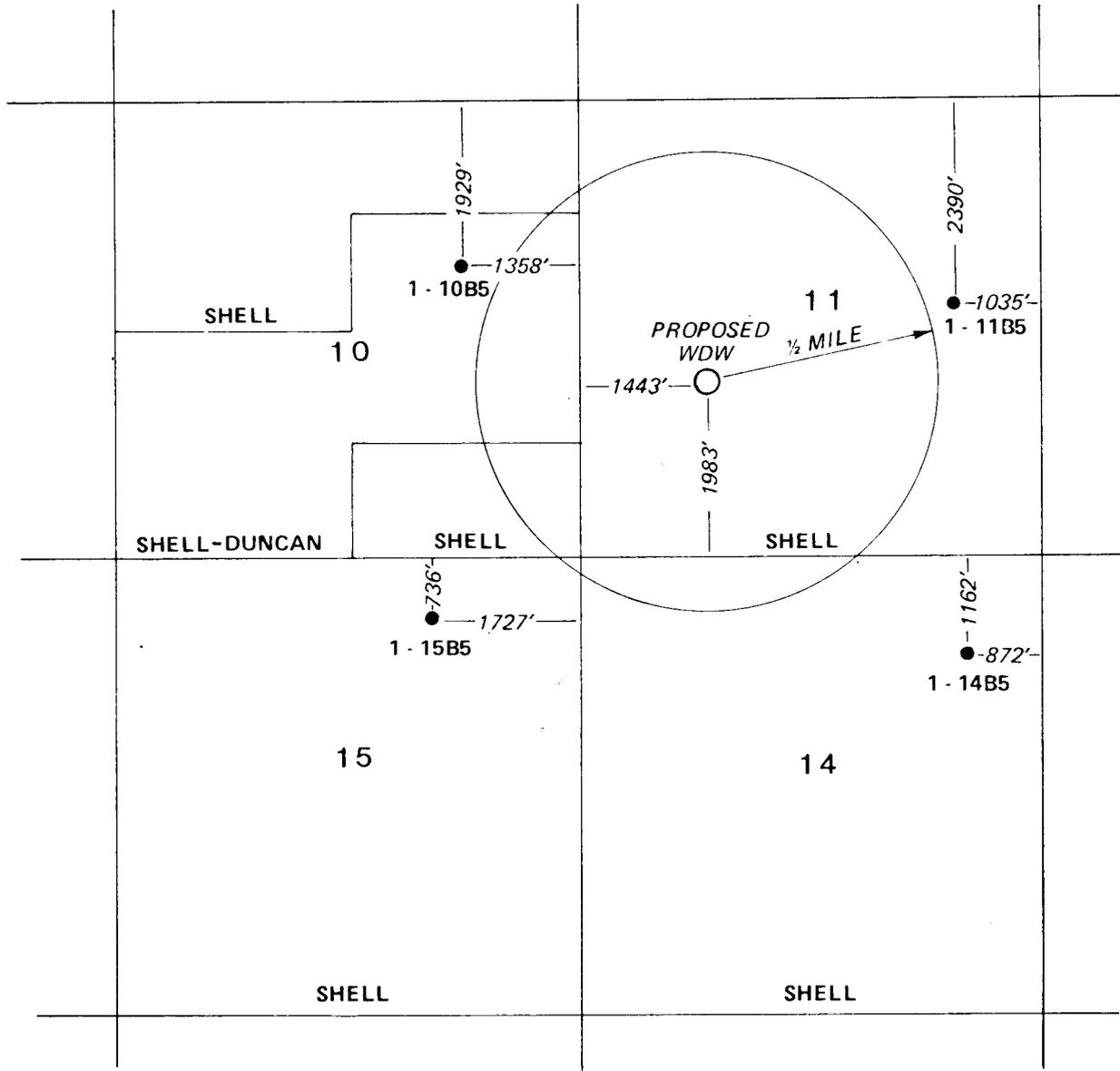
GREATER
ALTAMONT-BLUEBELL AREA
DUCHESNE & UINTA COUNTIES, UTAH
SHELL OIL COMPANY
EXHIBIT "A"

NT
REA

T 3 S

T 4 S

LESSEE PLAT
SECTIONS 10-11-14-15
T2S-R5W USM
DUCHESNE COUNTY, UTAH



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

IN THE MATTER OF THE APPLICATION OF SHELL)
OIL COMPANY FOR APPROVAL, PURSUANT TO)
RULE C-11, OF 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)

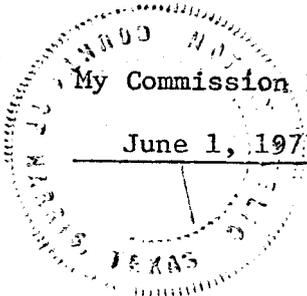
Affiant, D. F. GALLION, Attorney for Applicant, Shell Oil Company, being first duly sworn on oath, deposes and says that on July 8, 1975, he caused to be deposited in the United States Mail, first-class postage pre-paid, a copy of the application in the above-entitled matter, addressed via Registered Mail, Return Receipt Requested, to the following:

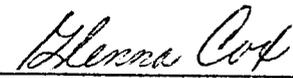
Walter Duncan Oil Properties, Inc.
1800 Security Life Building
Denver, Colorado 80202

and that the address given above is correct to the best of affiant's information and belief; and that said company owns unleased mineral interests within one-half mile of the proposed water disposal well described in the application.



Subscribed and sworn to before me this 8th day of July, 1975.




Notary Public
GLENNA COX
Notary Public in And For Harris County, Texas
My Commission Expires June 1, 1977

SHELL OIL COMPANY
Exhibit "D"

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

IN THE MATTER OF THE APPLICATION OF SHELL)
OIL COMPANY FOR APPROVAL, PURSUANT TO)
RULE C-11, OF 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, Gas, and Mining 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 drill a salt water disposal well to be designated Well No. 2-11B5, located 1983 feet from the south line and 1443 feet from the west line of Section 11, Township 2 South, Range 5 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. 2-11B5 and lessees and owners of record within one-half mile of the proposed disposal well.
5. Applicant proposes to dispose of such produced water by injection underground into the lower portion of the Uinta Formation which consists

of fluviatile, lacustrine, and transitional sediments lying above the dominantly lacustrine Green River Formation.

6. The Uinta Formation contains numerous clastic rocks including sandstones containing waters and brines. Based on well data, primarily electric logs and lithologic logs of wells in the area, Applicant believes that the base of the Uinta Formation occurs at a depth of approximately 5700 feet at the proposed well location.

7. Attached hereto and hereby made a part hereof as Exhibits "B" and "B-1" are reproductions of portions of the Dual Induction-Laterolog log and a Lithologic log of the Shell-Christiansen No. 1-33A5 well which are submitted as typical and representative descriptions of the sediments underlying the proposed disposal well location. Also attached hereto and hereby made a part hereof as Exhibits "B-2" and "B-3" are reproductions of the Electrical log and a Lithologic log of the Union-Lytel No. 1, an abandoned test located in Section 9, Township 2 South, Range 5 West, Duchesne County, Utah, the nearest test with logs through the proposed disposal interval.

8. Attached hereto and hereby made a part hereof as Exhibit "C" is a prognosis of Well No. 2-11B5 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 by wells in the Greater Altamont-Bluebell Area. Injection is proposed through said Well No. 2-11B5 at subsurface intervals ranging approximately from 4000 feet to 5700 feet, at an estimated minimum amount of 200 barrels of water per day increasing to an estimated maximum amount of 15,000 barrels per day due to additional wells and normal water cut increase. Applicant believes the Uinta Formation will adequately take and receive the estimated maximum volumes of produced water.

10. Applicant applied for and received approvals for water disposal wells No. 1-27A4 located in the southwest quarter of Section 27, Township 1 South, Range 4 West, approximately five miles northeast of the proposed disposal well; No. 2-4B3 located in the southwest quarter of Section 4, Township 2 South, Range 3 West, approximately ten miles east-northeast of the proposed disposal well; and No. 2-27B5 located in the southeast quarter of Section 27,

Township 2 South, Range 5 West, approximately three miles south of the proposed disposal well. Based upon analyses made by Applicant and the Division of formation water taken from those disposal wells, Applicant believes that produced water to be disposed of and formation water in the Uinta Formation at the proposed injection intervals are both unfit for domestic, livestock, irrigation or other general uses. However, as with the three previous disposal wells, Applicant will take two samples of formation water by production swab tests, one from the subsurface interval from 4000 to 4300 feet and the other test will be taken below 4300 feet over an interval to be selected by Applicant. Applicant will notify the Director, Division of Oil, Gas, and Mining 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. Applicant is the only lessee of record within one-half mile of the proposed disposal well; however, Walter Duncan Oil Properties, Inc., 1800 Security Life Building, Denver, Colorado, owns unleased minerals in the adjacent Section 10 and such corporation has been notified by registered mail of the filing of this application as evidenced by Exhibit "D" attached hereto and made a part hereof.

WHEREFORE, pursuant to Rule C-11, Applicant respectfully requests approval of the drilling of the disposal well and the underground disposal of water produced with oil all as more fully set forth herein.

Dated this 8th day of July, 1975.

Respectfully submitted,

SHELL OIL COMPANY

By



P. J. Carroll
Division Production Manager
Western Division
P. O. Box 831
Houston, Texas 77001

APPROVED BY DIVISION OF
OIL & GAS CONSERVATION
DATE 7/8/75
BY [Signature]

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.

F. J. Carroll

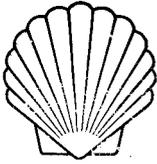
Subscribed and sworn to before me this 8th day of July, 1975.

My Commission Expires:

June 1, 1977

Glenn A. ...

Notary Public in and for ... County, Texas
My Commission Expires ... 1977



SHELL OIL COMPANY

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

July 8, 1975

RTD.....
DEH.....
RT.....
RL.....
RG.....
KP.....
RD.....
DB.....
SK.....
NN.....

VIA REGISTERED MAIL

Walter Duncan ~~Oil Properties, Inc.~~
~~1800 Security Life Building~~ 1300 Writers' Center IV, 1720 S. Bellaire Street
Denver, Colorado 80202 80222 Re: Proposed SWD 2-11B5

Gentlemen:

Shell Oil Company has forwarded to the Utah Board of Oil, Gas and Mining its application for approval of the drilling of a salt water disposal well in the Altamont Field, Duchesne County, Utah, pursuant to Rule C-11. A copy of the application is enclosed.

We are hopeful that administrative approval can be secured and that drilling can be commenced in the next few days. To expedite approval and drilling, if you have no objection to the application, we request that you sign this letter in the space provided below and forward the original to the Director in the enclosed stamped envelope. Your signatures will evidence your consent and waiver of any objection to our application and the disposal program described therein.

Your early consideration of this request will be appreciated.

Very truly yours,

D. F. Gallion
Attorney

DFG:b

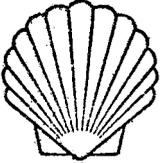
Enclosure

~~WALTER DUNCAN OIL PROPERTIES, INC.~~

Walter Duncan

Raymond Duncan

Vincent Duncan



SHELL OIL COMPANY

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

July 8, 1975

VIA REGISTERED MAIL

Walter Duncan ~~Oil Properties, Inc.~~

~~1800 Security Life Building~~ 1300 Writers' Center IV, 1720 S. Bellaire Street
Denver, Colorado ~~80202~~ 80222

Re: Proposed SWD 2-11B5

Gentlemen:

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Your early consideration of this request will be appreciated.

Very truly yours,

D. F. Gallion
Attorney

DFG:b

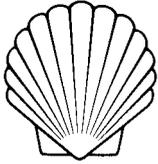
Enclosure

~~WALTER DUNCAN OIL PROPERTIES, INC.~~

Walter Duncan

Raymond Duncan

Vincent Duncan



SHELL OIL COMPANY

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

July 8, 1975

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

Dear Sir:

Enclosed is the original and two copies of Shell Oil Company's application seeking approval for the drilling of a salt water disposal well (2-11B5), and the underground disposal of produced water from oil and gas wells in the Greater Altamont-Bluebell area. The application is filed pursuant to Rule C-11. If additional information or copies of Exhibits are needed, please advise and we will forward them promptly.

Although applicant is the only lessee of record within 1/2 mile of the proposed disposal well, a copy of the application has been mailed to Walter Duncan Oil Properties, Inc., an unleased mineral owner, as evidenced by Exhibit "D".

Shell's application for permit to drill the disposal well is also enclosed. If the disposal well and program are approved, kindly return the approved APD to L. G. Roark, Shell Oil Company, Division Operations Manager, 1700 Broadway, Denver, Colorado 80202.

Very truly yours,

D. F. Gallion
Attorney

DFG:b

Enclosures

JUL 10 1975

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

IN THE MATTER OF THE APPLICATION OF SHELL)
OIL COMPANY FOR APPROVAL, PURSUANT TO)
RULE C-11, OF 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

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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 drill a salt water disposal well to be designated Well No. 2-11B5, located 1983 feet from the south line and 1443 feet from the west line of Section 11, Township 2 South, Range 5 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. 2-11B5 and lessees and owners of record within one-half mile of the proposed disposal well.
5. Applicant proposes to dispose of such produced water by injection underground into the lower portion of the Uinta Formation which consists

of fluviatile, lacustrine, and transitional sediments lying above the dominantly lacustrine Green River Formation.

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7. Attached hereto and hereby made a part hereof as Exhibits "B" and "B-1" are reproductions of portions of the Dual Induction-Log log and a Lithologic log of the Shell-Christiansen No. 1-33A5 well which are submitted as typical and representative descriptions of the sediments underlying the proposed disposal well location. Also attached hereto and hereby made a part hereof as Exhibits "B-2" and "B-3" are reproductions of the Electrical log and a Lithologic log of the Union-Lytel No. 1, an abandoned test located in Section 9, Township 2 South, Range 5 West, Duchesne County, Utah, the nearest test with logs through the proposed disposal interval.

8. Attached hereto and hereby made a part hereof as Exhibit "C" is a prognosis of Well No. 2-11B5 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 by wells in the Greater Altamont-Bluebell Area. Injection is proposed through said Well No. 2-11B5 at subsurface intervals ranging approximately from 4000 feet to 5700 feet, at an estimated minimum amount of 200 barrels of water per day increasing to an estimated maximum amount of 15,000 barrels per day due to additional wells and normal water cut increase. Applicant believes the Uinta Formation will adequately take and receive the estimated maximum volumes of produced water.

10. Applicant applied for and received approvals for water disposal wells No. 1-27A4 located in the southwest quarter of Section 27, Township 1 South, Range 4 West, approximately five miles northeast of the proposed disposal well; No. 2-4B3 located in the southwest quarter of Section 4, Township 2 South, Range 3 West, approximately ten miles east-northeast of the proposed disposal well; and No. 2-27B5 located in the southeast quarter of Section 27,

Township 2 South, Range 5 West, approximately three miles south of the proposed disposal well. Based upon analyses made by Applicant and the Division of formation water taken from those disposal wells, Applicant believes that produced water to be disposed of and formation water in the Uinta Formation at the proposed injection intervals are both unfit for domestic, livestock, irrigation or other general uses. However, as with the three previous disposal wells, Applicant will take two samples of formation water by production swab tests, one from the subsurface interval from 4000 to 4300 feet and the other test will be taken below 4300 feet over an interval to be selected by Applicant. Applicant will notify the Director, Division of Oil, Gas, and Mining 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. Applicant is the only lessee of record within one-half mile of the proposed disposal well; however, Walter Duncan Oil Properties, Inc., 1800 Security Life Building, Denver, Colorado, owns unleased minerals in the adjacent Section 10 and such corporation has been notified by registered mail of the filing of this application as evidenced by Exhibit "D" attached hereto and made a part hereof.

WHEREFORE, pursuant to Rule C-11, Applicant respectfully requests approval of the drilling of the disposal well and the underground disposal of water produced with oil all as more fully set forth herein.

Dated this 8th day of July, 1975.

Respectfully submitted,

SHELL OIL COMPANY

By



P. J. Carroll
Division Production Manager
Western Division
P. O. Box 831
Houston, Texas 77001

APPROVED BY DIVISION OF
OIL & GAS CONSERVATION
DATE 7/8/75

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.

F. J. Carroll

Subscribed and sworn to before me this 8th day of July, 1975.



My Commission Expires:
June 1, 1977

Glenna Cox

GLENNA COX
Notary Public in and for Harris County, Texas
My Commission Expires June 1, 1977

UB 11

DIVISION OF OIL, GAS, AND MINING

FILE NOTATIONS

Date:

July 31 1975

Operator:

Shell Oil

Well No:

Crack SW 2-11B5

Location:

Sec. 11 T. 2S R. 5W County: Duchesne

File Prepared

Entered on N.I.D.

Card Indexed

Completion Sheet

Checked By:

Administrative Assistant:

AW

Remarks:

Petroleum Engineer/Mined Land Coordinator:

P.D.

Remarks:

Director:

7

Remarks:

Include Within Approval Letter:

Bond Required

Survey Plat Required

Order No.

Blowout Prevention Equipment

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

O.K. Rule C-3

O.K. In _____ Unit

Other:

Rule C-11

Letter Written

w/ stipulation of Order in 139-9

July 31, 1975

Shell Oil Company
1700 Broadway
Denver, Colorado 80202

Re: Well No. Erich SWD 2-11B5
Sec. 11, T. 2 S, R. 5 W, USM
Duchesne County, Utah

Gentlemen:

Please be advised that administrative approval under Rule C-11, General Rules and Regulations, is hereby granted for the drilling of the above referred to well.

However, it should be noted that this approval is granted on a short term (10 years) basis at which time the water disposal program will be reviewed.

Said approval is conditional upon adhering to the provisions of the Order issued in Cause No. 139-9, outlined as follows:

- A) Applicant will take two samples of formation water by production swab tests at selected intervals.
- B) Applicant will notify this office prior to taking such samples in order that a member of our staff may be present to witness such tests, and take independent samples.
- C) Applicant will provide continuous monitoring of the salt water disposal well as to the volume of fluids injected and injection pressures.

Should you have any questions relative to the above, please do not hesitate to call or write.

Very truly yours,

CLEON B. FEIGHT
DIRECTOR

September 22, 1975

MEMO FOR FILING

Re: Shell Oil Company
Erich #2-11B5
Sec. 11, T. 2 S., R. 5W.
Duchesne County, Utah

On September 15, 1975, a visit was made to the above referred to well site.

A 9 5/8" casing set from 1060' to surface, a 7" production casing set from 5900' to surface. Cemented to surface in three stages. D.V. tool set at 2017' and 4018'. Cement bond log looks good from T.D. to 640'. Poor bonding above 640' and 50% bonding on interval 3000' to 3200'.

The well was perforated in 4 groups as follows:

| | | |
|---------|-----------|------------|
| Group A | 3749-3985 | (75 holes) |
| Group B | 4027-4496 | (93 holes) |
| Group C | 4576-5573 | (99 holes) |
| Group D | 5607-5810 | (37 holes) |

The zones 3965-3985, were isolated by a packer and retrievable bridge plug. The well was swabbed until it was definitely determined that formation fluid was being produced. The rate was 3 BPH. A fluid sample was taken and it was found to contain 8,956 Mg/L.

The BP and packer were reset to cover a lower interval from 5607 to 5810. The prior swabbing procedure was followed: a sample of the formation water indicated 23,460 Mg/L, a composite sample of produced water from the oil producing wells indicated 3900 Mg/L.

All chemical tests were made by Ute Labs in Duchesne.

Shell was given verbal permission to finish completing this as a water disposal well.

PATRICK L. DRISCOLL
CHIEF PETROLEUM ENGINEER

PLD:tb

cc: U. S. GEOLOGICAL SURVEY



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.

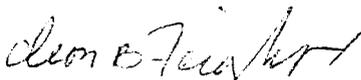
Due to the recent adoption of Rules & Regulations for underground injection of produced water, as well as secondary recovery, etc. by the EPA, a representative from said agency will accompany a member of this Division on our November inspection.

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

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

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 <u>SALT WATER DISPOSAL</u></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. GELING 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>1983' FSL + 1443' FWL Sec. 11</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>EHRICH</u></p> <p>9. WELL NO. <u>Z-1185 SWD</u></p> <p>10. FIELD AND POOL, OR WILDCAT <u>ALTA MONT</u></p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <u>NE/4 SW/4 T2S R5W</u></p> <p>12. COUNTY OR PARISH <u>DUCHE SNE</u></p> <p>13. STATE <u>UTAH</u></p> |
| <p>14. PERMIT NO.</p> | <p>15. ELEVATIONS (Show whether DF, RT, OR, etc.) <u>6885' KB</u></p> | |

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

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

SEE ATTACHED

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

SIGNED [Signature] TITLE DIVISION PROD. ENGINEER DATE 7-26-82
W. F. N. KELLDORF

(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 387
ISSUED 07/12/82

WELL: EHRICH 2-1185
LABEL: FIRST REPORT
AFE: 572797
FOREMAN: G. R. COURTRIGHT.
RIG: NONE
OBJECTIVE: TO STIM. WATER WELL.
AUTH. AMNT: 29000
DAILY COST: 27100.50
CUM COST: 27100.50
DATE: 6-12-82
ACTIVITY: 6-12-82 ACTIVITY: OPENED WELL TO PIT AND FLOWED
02 BACK APPROX. 100 BBL. OF H2O W/A SMALL AMOUNT OF
03 BLACK INTERFACE AND OIL IN RETURNS.
04 FLOWED BACK FOR 40 MIN. AND WELL STARTED DYING OFF.
05 R.O. NOWSCO TO ACIDIZE WELL. PUMPED 5000 GALS.
06 OF XYLENE SOLVENT. FOLLOWED BY 60 BBL. OF CLEAN
07 PRODUCED WTR. AT 1.1 BPM. MAX. PSI 15 PSI DURING
08 TREATMENT. S.I. WELL FOR 4 HRS. TO LET SOLVENT
09 SOAK. OPENED WELL. AFTER 4 HRS. S.I. TO TRY TO
10 FLOW BACK. WELL ON VACUUM. PUMPED 10000 GALS. OF
11 15% HCL W/ADDITIVES AT AN AVG. RATE OF 1.5 BPM AND
12 0 LBS. S.I. WELL TO ALLOW ACID TO WORK
13 FOR 2 HRS. R.D. NOWSCO. OPENED WELL AFTER 2 HRS.
14 S.I. AND TURNED ON 1 INJECTION PUMP. PUMP DISCHARGE
15 PSI WAS 320 LBS. COMPARED TO
16 600 LBS. BEFORE ACID TREATMENT.
17 THERE WILL BE NO MORE INPUT ON THIS WELL. THIS
18 WILL BE BOTH 1 ST AND LAST REPORTS. ONCE
19 AN AFE NO. IS ISSUED IT WILL BE PUT IN. ALSO THE
20 AUTH. AMOUNT.

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5774

November 23, 1982

Shell Oil Company
P.O. Box 10
Altamont, Utah 84001

RE: Water Disposal Well
Enrich #2-11B5
Sec. 11, T. 2 S., R. 5 W.
Duchesne County, Utah

Gentlemen:

During a recent inspection of the above-referenced disposal well, a pressure reading of approximately 400 psig was observed on the casing side.

Please advise the Division as to the reason for this situation. If you have any questions, don't hesitate to call.

Sincerely,



G.L. HUNT
UIC GEOLOGIST

GLH/lm

Shell Oil Company



P.O. Box 10
Altamont, Utah 84001

November 29, 1982

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

Attn: G.L. Hunt

RE: Water Disposal Well
Enrich #2-11B5
Duchesne County, Utah

Dear Sir;

In replying to your recent letter dated Nov. 23, 1982 regarding the subject well, you wished to be advised of the reason for having approximately 400 psig on the casing/tubing annulus.

This pressure is the direct result of the expansion of the tubing caused by ...; a. the rate of water being pumped (whether 1 pump, two pumps or no pumps are being used), b. amount of pressure needed to pump the water, c. the temperature of the water and how long this water is being or has been pumped. In checking our daily records for November thus far, I see that the pressures range from 20 psig to 400 psig.

I would appreciate that you contact us when you come onto our leases and/or properties because of safety and security considerations. We could also resolve any questions or problems at that time. If there are any other questions please contact me at 801/454-3394.

Sincerely,

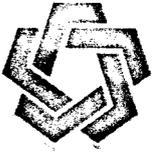
R.F. Brou
Productions Foreman

RFB:ALS

cc: R.F. Engel, Production Superintendent, Houston, Texas

RECEIVED
NOV 30 1982

DIVISION OF
OIL, GAS & MINING



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

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

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

March 16, 1983

Shell Oil Company
P.O. Box 10
Altamont, UT 84001

Re: Well # Erich 2-11B5
Sec. 11, T. 2 S, R. 5W
Duchesne County, Utah

Gentlemen:

Please be advised that an inspection of the above mentioned disposal well was made on March 10, 1983.

It was noted that the cumulator or totalizer has been removed and therefore there was no way for the inspector to record the amount of water injected. In order for this Division to perform complete inspections as required by the U.S. Environmental Protection Agency, a cumulator should be installed for the purpose of verifying the amount of water injected.

If you have any questions relative to the above, please do not hesitate to call or write.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

A handwritten signature in cursive script, reading "Thalia R. Pratt". The signature is written in black ink and is positioned above the typed name.

THALIA R. PRATT
UIC SPECIALIST

TRP/tp

cc: Shell Oil Co. - Denver

Shell Oil Company



P.O. Box 10
Altamont, Utah 84001

March 17, 1983

Cleon B. Feight
Division Director
State of Utah
Natural Resources and Energy
Oil, Gas and Mining
4241 State Office Building
Salt Lake City, Utah 84114

Re: Well # Erich 2-11B5
Sec. 11, T. 2 S, R. 5W
Duchesne County, Utah

Dear Sir;

Ms. Thalia R. Pratt, UIC Specialist wrote us a letter dated March 16, 1983 advising that an inspection had been made of the captioned facilities. It was noted that we were not metering the water being disposed. In fact we do have a meter on this well and we do get a meter reading everyday.

If there are any questions or comments, please call.

Very truly yours,

R.F. Brou
Production Foreman

RFB:ALS

cc: R.F. Engel
Shell Oil Co.
Houston, TX

RECEIVED
MAR 18 1983

DIVISION OF
NATURAL RESOURCES

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

Water Disposal Well Enhanced Recovery Well Other

API Well Number 43-013-30391 Field Name Altamont

SEC. 11 TOWNSHIP 25 RANGE 5W WELL NAME/NUMBER Erisk 2-11B5

Lease Name/Number 7ea Location NE 1/4 of SW 1/4 COUNTY: Duchesne

INITIAL CONDITIONS:

Long string Rate/Pressure: _____ bw/d 250 psi

Short String Rate/Pressure: N/A bw/d _____ psi

Csg-tbg Annulus Pressure: ~~0~~ 0 psi

CONDITIONS DURING TEST:

Long string Pressure: 250 psi 90 Minutes Time: 9:40 to 10:00

Short string Pressure N/A psi _____ Minutes

Csg-tbg Annulus Pressure* 4000 psi

Amount of water added to annulus: _____ bbls

AFTER ANNULUS BLEED OFF:

Long string Pressure: 250 psi

Short string Pressure: _____ psi

Csg-tbg Annulus Pressure: 0 psi

REMARKS: Pressure held stable for 90 min.
@ 4,000 psi - Well shows mechanical
integrity.

Mr. Braun
Operator Representative (Name)

Archie Smith
UIC FIELD INSPECTOR (Witness)

Jim B. Fugate
UIC FIELD INSPECTOR (Witness)

* * * * *

CHECKLIST FOR INJECTION WELL APPLICATION AND FILE REVIEW

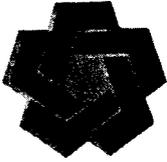
* * * * *

Operator: Shell Well No. Coch 2-11B5
 County: Duchess T 25 R 4W Sec. 11 API# 420130000
 New Well Conversion Disposal Well Enhanced Recovery Well

| | YES | NO | |
|---|---|--|-------------------------------|
| 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>Acquifer - Water Table</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 checked="" type="checkbox"/> | No <input type="checkbox"/> | TDS <u>23400</u> |
| Known USDW in area | <u>Vertical</u> | | Depth <u>10 - 15</u> |
| Number of wells in area of review | <u>0</u> Prod. | | P&A <input type="checkbox"/> |
| | Water <input type="checkbox"/> | | Inj. <input type="checkbox"/> |
| 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>4/1/03</u> | | Type <u>1</u> |

Comments: 700-6410

Reviewed by: (Signature)



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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

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

July 12, 1983

Mr. R. F. Brou
Shell Oil Company
P.O. Box 10
Altamont, UT 84001

Re: Well #Erich 2-11B5
Sec. 11, T2S, R5W
Duchesne County, Utah

Dear Mr. Brou,

During a recent field inspection of the above referenced injection well, an excessive amount of pressure was observed on the tubing-casing annulus. As this situation is contrary to the operating requirements for Class II injection wells, please advise the Division of any circumstances which might indicate the source and cause of this pressure.

Your prompt reply is requested so that a determination might be made as to correcting this situation or initiating further pressure monitoring requirements.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

THALIA R. PRATT
UIC SPECIALIST

TRP/tp

Shell Oil Company



P.O. Box 10
Altamont, Utah 84001

July 20, 1983

STATE OF UTAH
U I C Program
Room 1271
State Office Bldg.
Salt Lake City, Utah 84114

RECEIVED
JUL 28 1983

DIVISION OF
OIL GAS & MINING

Attn: Ms. T.R. Pratt

Dear Ms. Pratt,

As per our recent conversations about the pressure variances observed on the tubing-casing annuli in Shell Oil Company's salt water disposal wells, and in particular the Erich 2-11B5 and the Church 2-27B5, it has been determined that the changes are the sequential effect of various factors causing the expansion of the annular fluids. Recent tests, applying pressure and temperature recorders, confirmed our conviction that the pressure changes were a result of our mode of operation and/or the expansion of annular fluids.

The following factors are involved in the pressure fluctuations:

- a. The initial pressure placed on the casing for monitoring purposes. (Casing is filled with fluid at this time.)
- b. The pumping time and the amount of water being injected. (This depends on the amount of water being produced or hauled into the system, thus the surge tank levels.)
- c. The on or off posture of the pump controls at a particular time.
- d. Whether or not one or two pumps are being used. (When more volume is being injected, pumping pressures are higher, expansion of the tubing occurs and annular pressures are higher.)
- e. The temperature of the water being pumped. (Water temperature can vary from 90° to 165° F. depending on source of water.)

In your letter of July 12, 1983, you stated that the situation of an excessive amount of pressure on the tubing-casing annulus on the Erich 2-11B5 was contrary to operating requirements for Class II injection wells. According to Rule I - Underground Injection Criteria and Standards (May 27, '82) I do not see any specific requirements for pressure. Is there a difference in our understanding or perhaps are there more recent rules and requirements which we do not have at our disposal? Please advise or call if there are any further questions. Thank you for your cooperation.

R.F. Brou

R.F. Brou
Production Foreman, Shell Oil Company

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

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

IN THE MATTER OF THE APPLICATION OF
Shell Oil Company
 ADDRESS P. O. Box 576
Houston, TX ZIP 77001
 INDIVIDUAL PARTNERSHIP CORPORATION X
 FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR
 INJECT FLUID INTO THE Erich 2-11 B5 WELL
 SEC. 11 TWP. 2S RANGE 5W
Duchesne COUNTY, UTAH

CAUSE NO. _____

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

APPLICATION

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

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

| | | | |
|---|---|--|--------------------------------|
| Lease Name <u>Erich</u> | Well No. <u>2-11 B5</u> | Field <u>Altamont</u> | County <u>Duchesne</u> |
| Location of Enhanced Recovery Injection or Disposal Well <u>NE SW</u> Sec. <u>11</u> Twp. <u>2S</u> Rge. <u>5W</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>9-15-75</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 <u>Saltwater</u> |
| 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>Lower Uinta</u> | | Depth of Injection Interval <u>3749'</u> to <u>5810'</u> | |
| a. Top of the Perforated Interval: <u>3749</u> | b. Base of Fresh Water: <u>1000±</u> | c. Intervening Thickness (a minus b) <u>2749'</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>7200</u> B/D <u>500</u> PSI | | | |
| The Names and Addresses of Those to Whom Notice of Application Should be Sent. <u>This is an existing saltwater disposal well previously approved by the Board on 7-31-75.</u> | | | |

State of Texas Applicant E. M. Gobe
 County of Harris

Before me, the undersigned authority, on this day personally appeared E. M. Gobe 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, 19 83

SEAL Linda Malinson

My commission expires 9/20/85 Notary Public in and for Harris County, Tx.

INSTRUCTIONS

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

CASING AND TUBING DATA

| NAME OF STRING | SIZE | SETTING DEPTH | SACKS CEMENT | TOP OF CEMENT | TOP DETERMINED BY |
|------------------------------|---|---------------|---|---|--|
| Surface | 13 3/8" | 420' | 686 | Surface | Cement circulated |
| Intermediate | 9 5/8" | 1,000' | 1,051 | Surface | Observation |
| Production | 7" | 5,900' | 1,163 | 640 | Cement bond log |
| Tubing | 4 1/2" | 3,650' | Baker | Name - Type - Depth of Tubing Packer Model D 3,650' | |
| Total Depth 5,900' | Geologic Name - Inj. Zone Lower Uinta | | Depth - Top of Inj. Interval 3,749' | | Depth - Base of Inj. Interval 5,810' |

PLEASE TYPE OR USE BLACK INK ONLY

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

DEPARTMENT OF NATURAL RESOURCES AND ENERGY

COUNTY
LEASE NO.

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

COUNTY Duchesne SEC. 11 TWP. 2S RGE. 5W

COMPANY OPERATING Shell Oil Company

OFFICE ADDRESS P. O. Box 576

TOWN Houston STATE ZIP TX 77001

FARM NAME Erich WELL NO. 2-11-85

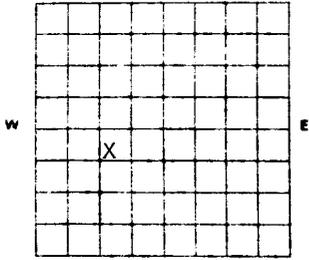
DRILLING STARTED 8-11 1975 DRILLING FINISHED 8-29 1975

DATE OF FIRST PRODUCTION SWD COMPLETED 10-27-75

WELL LOCATED NW 1/4 NE 1/4 SW 1/4
1980 FT. FROM SL OF 1/4 SEC. & 1443 FT. FROM WL OF 1/4 SEC.

ELEVATION DERRICK FLOOR 6884 GROUND 6870

API NO. _____
640 Acres
N



S
Locate Well Correctly
and Outline Lease

TYPE COMPLETION

Single Zone _____ X _____

Salt Water Disposal Well

Multiple Zone _____

Comingled _____

LOCATION EXCEPTION

OIL OR GAS ZONES

| Name | From | To | Name | From | To |
|------|------|----|------|------|----|
| | | | | | |
| | | | | | |
| | | | | | |

CASING & CEMENT

| Casing Set | | | | Csg. Test | Cement | | |
|----------------------------------|------|-------|-------|-----------|--------|--------|---------|
| Size | Wgt. | Grade | Feet | Psi | Size | Fillup | Top |
| 13 ³ / ₈ " | 68# | K-55 | 420' | 686 | | | surface |
| 9 ⁵ / ₈ " | 40# | K-55 | 1000' | 1051 | | | surface |
| 7" | 23# | K-55 | 5900' | 1163 | | | 640' |

TOTAL DEPTH 5,900'

PACKERS SET 7" pkr at 3650'

DEPTH _____

NOTE: THIS FORM MUST ALSO BE ATTACHED WHEN FILING PLUGGING FORM DOGM-UIC-4

COMPLETION & TEST DATA BY PRODUCING FORMATION

| FORMATION | 1 | 2 | 3 |
|---|---------------------|---|---|
| Lower Uinta | | | |
| SPACING & SPACING ORDER NO. | | | |
| CLASSIFICATION (DISPOSAL WELL, ENHANCED RECOVERY, LP GAS STORAGE) | Disposal Well | | |
| PERFORATED | 3,749' to 5,810' | | |
| INTERVALS | | | |
| ACIDIZED? | 667 bbls | | |
| FRACTURE TREATED? | None | | |

INITIAL TEST DATA

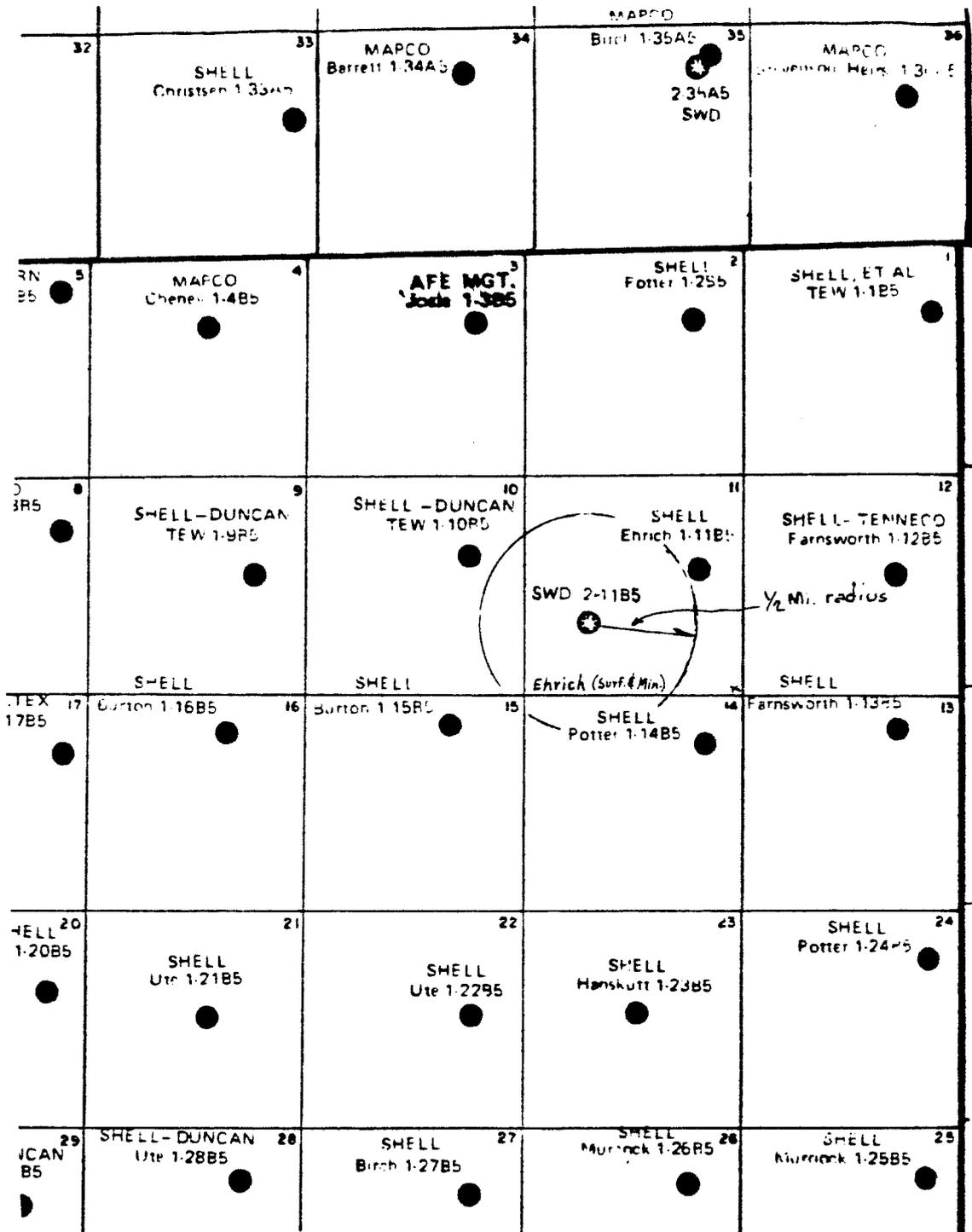
| | | | |
|----------------------------|----|----|----|
| Date | | | |
| Oil, bbl./day | | | |
| Oil Gravity | | | |
| Gas, Cu. Ft./day | CF | CF | CF |
| Gas-Oil Ratio Cu. Ft./Bbl. | | | |
| Water-Bbl./day | | | |
| Pumping or Flowing | | | |
| CHOKE SIZE | | | |
| FLOW TUBING PRESSURE | | | |

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

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

Telephone 713-870-3215 D. M. Jobe - Administrator *Prod Admin. Rocky Mt. Div. Shell Oil Co.*
Name and title of representative of company

Subscribed and sworn before me this 14 day of Oct, 19 83



LOCATION PLAT
SHELL SWD NO. 2-11B5

1/2 mile radius

1443' FWL & 1983' FSL
Section 11, T2S-R5W
Duchesne County, Utah

WELL: ERICH 2-11B5 SWD

LOCATION: 1443'FWL & 1983' FSL
Section 11, T2S-R5W
Duchesne County, Utah

FIELD: ALTAMONT

| | WELL DEPTH | CASING & CEMENT |
|--|---------------|--|
| | 420' | 600 sx (13-3/8"-9-5/8" annulu 13-3/8" 68# K-55 cmt'd w/686 cu ft. circ to surface |
| <u>Cement Bonding</u> 640'-3050' good 3050'-3270' fair (50%) 3270'-5900' good | 1000' | 9-5/8" 40# K-55 cemented w/451 sx |
| | | DV at 2017' 657 sx (stage 3) |
| | 3650' | 7" pkr & 4 1/2" tbg 11.6# K-55 top perf 3749' |
| Lower Uinta formation | | DV at 4018' 657 sx (stage 2) (304' net perforated) |
| | | bottom perf 5810' |
| | TD 5900' | 7" 5900' 506 sx (stage 1) |

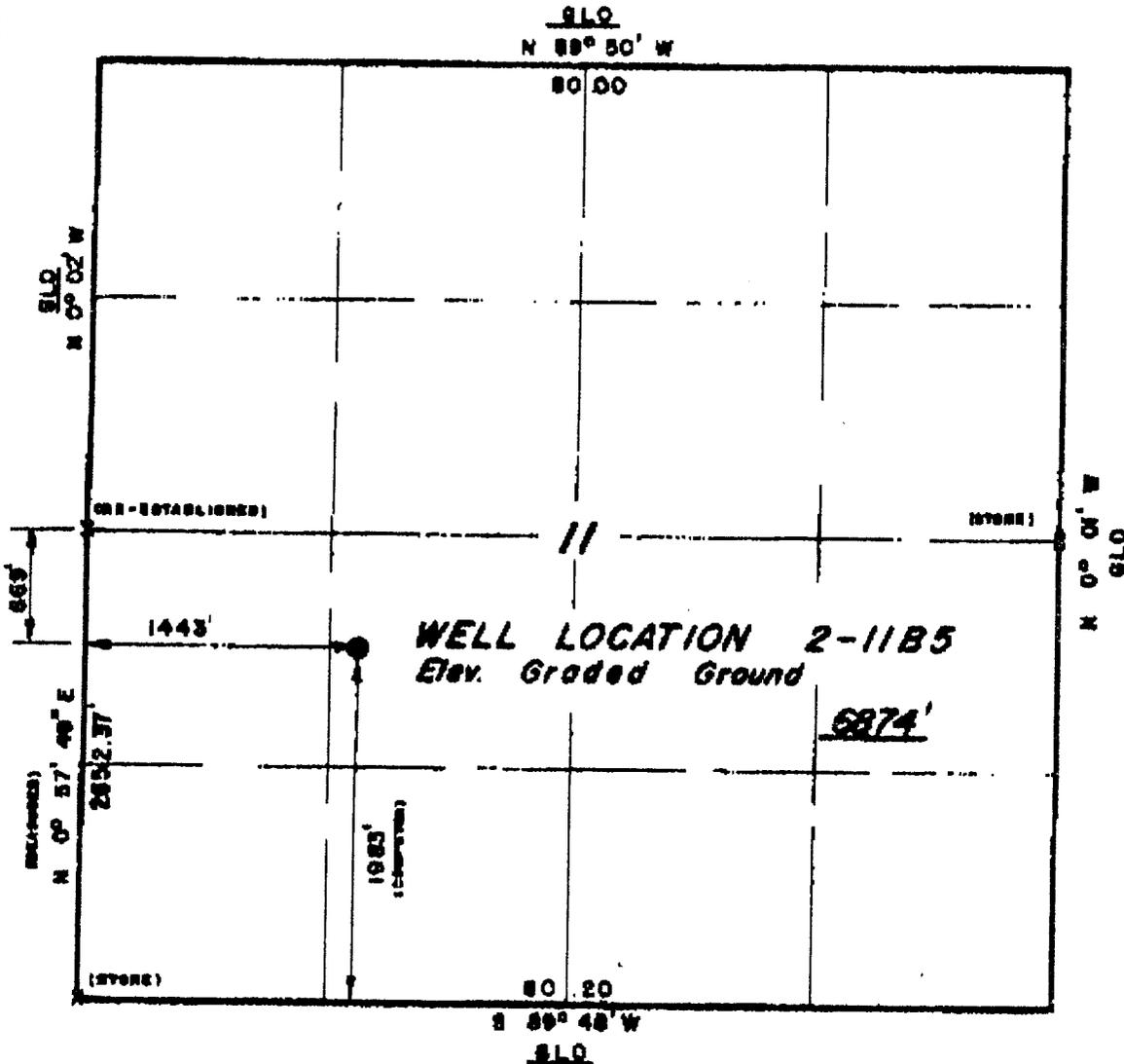
T2S, R5W, USB & M.

PROJECT

SHELL OIL COMPANY

Well location, 2-11B5, Located as shown in the NE 1/4 SW 1/4 Section 11, T2S, R5W, USB & M. Duchesne County, Utah.

File
2-11B5



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.

Diana Stewart

REGISTERED LAND SURVEYOR
REGISTRATION NO 3154
STATE OF UTAH

Revised 9-3-75

UINTAH ENGINEERING & LAND SURVEYING
P.O. BOX 9 - 110 EAST - FIRST SOUTH
VERNAL, UTAH - 84078

| | |
|-------------------|---------------------|
| SCALE 1" = 1000' | DATE 6/5/75 |
| PARTY GS MS RK RL | REFERENCES SLO PLAT |
| WEATHER FAIR | FILE SHELL OIL CO. |

DR. BY: CKD BY:
RS [Signature]



Joe Irons
Atkinson
OIL, GAS, AND MINING BOARD
Netc!
GUY N. CARDON
Chairman *File*

CALVIN L. RAMPTON
Governor

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

CHARLES R. HENDERSON
ROBERT R. NORMAN
JAMES P. COWLEY
MYRUM L. LEE

July 31, 1975

2-1185

Shell Oil Company
1700 Broadway
Denver, Colorado 80202

Re: Well No. Erich SWD 2-1185
Sec. 11, T. 2 S, R. 5 N, USM
Duchesne County, Utah

Gentlemen:

Please be advised that administrative approval under Rule C-11, General Rules and Regulations, is hereby granted for the drilling of the above referred to well.

However, it should be noted that this approval is granted on a short term (10 years) basis at which time the water disposal program will be reviewed.

Said approval is conditional upon adhering to the provisions of the Order issued in Cause No. 139-9, outlined as follows:

- A) Applicant will take two samples of formation water by production swab tests at selected intervals.
- B) Applicant will notify this office prior to taking such samples in order that a member of our staff may be present to witness such tests, and take independent samples.
- C) Applicant will provide continuous monitoring of the salt water disposal well as to the volume of fluids injected and injection pressures.

Should you have any questions relative to the above, please do not hesitate to call or write.

Very truly yours,

Cleon B. Feight
CLEON B. FEIGHT
DIRECTOR

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

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

APPLICATION

Applicant, SHELL OIL COMPANY, in support of this application, respectfully shows to the Board of Oil, Gas, and Mining 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 drill a salt water disposal well to be designated Well No. 2-1185, located 1983 feet from the south line and 1443 feet from the west line of Section 11, Township 2 South, Range 5 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. 2-1185 and lessees and owners of record within one-half mile of the proposed disposal well.
5. Applicant proposes to dispose of such produced water by injection underground into the lower portion of the Uinta Formation which consists

of fluviatile, lacustrine, and transitional sediments lying above the dominantly lacustrine Green River Formation.

6. The Uinta Formation contains numerous clastic rocks including sandstones containing waters and brines. Based on well data, primarily electric logs and lithologic logs of wells in the area, Applicant believes that the base of the Uinta Formation occurs at a depth of approximately 5700 feet at the proposed well location.

7. Attached hereto and hereby made a part hereof as Exhibits "B" and "B-1" are reproductions of portions of the Dual Induction-Laterolog log and a Lithologic log of the Shell-Christiansen No. 1-33A5 well which are submitted as typical and representative descriptions of the sediments underlying the proposed disposal well location. Also attached hereto and hereby made a part hereof as Exhibits "B-2" and "B-3" are reproductions of the Electrical log and a Lithologic log of the Union-Lytel No. 1, an abandoned test located in Section 9, Township 2 South, Range 5 West, Duchesne County, Utah, the nearest test with logs through the proposed disposal interval.

8. Attached hereto and hereby made a part hereof as Exhibit "C" is a prognosis of Well No. 2-11B5 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-Nasatch Formations by wells in the Greater Altamont-Bluebell Area. Injection is proposed through said Well No. 2-11B5 at subsurface intervals ranging approximately from 4000 feet to 5700 feet, at an estimated minimum amount of 200 barrels of water per day increasing to an estimated maximum amount of 15,000 barrels per day due to additional wells and normal water cut increase. Applicant believes the Uinta Formation will adequately take and receive the estimated maximum volumes of produced water.

10. Applicant applied for and received approvals for water disposal wells No. 1-27A4 located in the southwest quarter of Section 27, Township 1 South, Range 4 West, approximately five miles northeast of the proposed disposal well; No. 2-4B3 located in the southwest quarter of Section 4, Township 2 South, Range 3 West, approximately ten miles east-northeast of the proposed disposal well; and No. 2-27B5 located in the southeast quarter of Section 27,

Township 2 South, Range 5 West, approximately three miles south of the proposed disposal well. Based upon analyses made by Applicant and the Division of formation water taken from those disposal wells, Applicant believes that produced water to be disposed of and formation water in the Uinta Formation at the proposed injection intervals are both unfit for domestic, livestock, irrigation or other general uses. However, as with the three previous disposal wells, Applicant will take two samples of formation water by production swab tests, one from the subsurface interval from 4000 to 4300 feet and the other test will be taken below 4300 feet over an interval to be selected by Applicant. Applicant will notify the Director, Division of Oil, Gas, and Mining 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. Applicant is the only lessee of record within one-half mile of the proposed disposal well; however, Walter Duncan Oil Properties, Inc., 1800 Security Life Building, Denver, Colorado, owns unleased minerals in the adjacent Section 10 and such corporation has been notified by registered mail of the filing of this application as evidenced by Exhibit "D" attached hereto and made a part hereof.

WHEREFORE, pursuant to Rule C-11, Applicant respectfully requests approval of the drilling of the disposal well and the underground disposal of water produced with oil all as more fully set forth herein.

Dated this 8th day of July, 1975.

Respectfully submitted,

SHELL OIL COMPANY

By 
P. J. Carroll
Division Production Manager
Western Division
P. O. Box 631
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.

J. J. Carroll

Subscribed and sworn to before me this 8th day of July, 1975.



Blenna Cox

BLENNA COX
Notary Public in and for Harris County, Texas
My Commission Expires June 1, 1977



James F. Smith

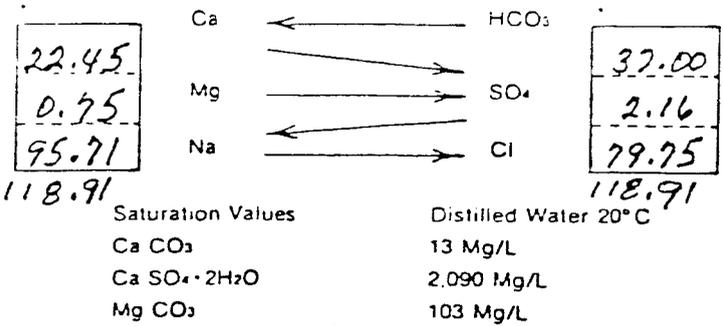
WATER ANALYSIS REPORT

(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 ₂ S (Qualitative) | | |
| 3. Specific Gravity | <u>1.004</u> | |
| 4. Dissolved Solids | <u>7849.00</u> | |
| 5. Suspended Solids | | |
| 6. Phenolphthalein Alkalinity (CaCO ₃) | <u>125</u> | |
| 7. Methyl Orange Alkalinity (CaCO ₃) | <u>1850</u> | |
| 8. Bicarbonate (HCO ₃) | HCO ₃ <u>2257</u> | + 61 <u>39.00</u> HCO ₃ ⁴ |
| 9. Chlorides (Cl) | Cl <u>2831</u> | - 35.5 <u>79.75</u> Cl ¹⁵ |
| 10. Sulfates (SO ₄) | SO ₄ <u>103</u> | - 48 <u>2.16</u> SO ₄ |
| 11. Calcium (Ca) | Ca <u>449</u> | + 20 <u>22.45</u> Ca |
| 12. Magnesium (Mg) | Mg <u>9.11</u> | + 12.2 <u>8.75</u> Mg |
| 13. Total Hardness (CaCO ₃) | <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> RMC <u>23°</u> | |

PROBABLE MINERAL COMPOSITION



| Compound | Equiv. Wt. X | Meq/L | = Mg/L |
|-------------------------------------|--------------|--------------|----------------|
| Ca (HCO ₃) ₂ | 81.04 | <u>22.45</u> | <u>1819.35</u> |
| Ca SO ₄ | 68.07 | <u>0</u> | <u>0</u> |
| Ca Cl ₂ | 55.50 | <u>0</u> | <u>0</u> |
| Mg (HCO ₃) ₂ | 73.17 | <u>0.75</u> | <u>54.88</u> |
| Mg SO ₄ | 60.19 | <u>0</u> | <u>0</u> |
| Mg Cl ₂ | 47.62 | <u>0</u> | <u>0</u> |
| Na HCO ₃ | 84.00 | <u>13.80</u> | <u>1159.20</u> |
| Na ₂ SO ₄ | 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
H₂S = 5.5 ppm

Thank you for the business:



Hinta Research and Analytical Services

PO BOX 0488 - ROOSEVELT UTAH 84066

James F. Smith

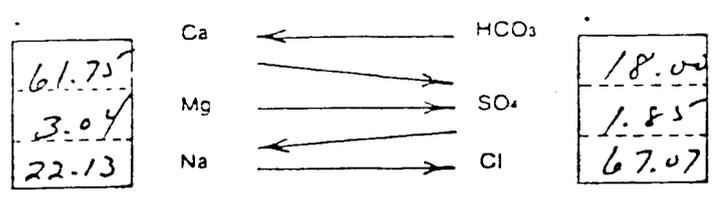
WATER ANALYSIS REPORT

(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 ₂ S (Qualitative) _____ | | |
| 3. Specific Gravity <u>1.000</u> | | |
| 4. Dissolved Solids <u>5348.58</u> | | |
| 5. Suspended Solids _____ | | |
| 6. Phenolphthalein Alkalinity (CaCO ₃) <u>50</u> | | |
| 7. Methyl Orange Alkalinity (CaCO ₃) <u>900</u> | | |
| 8. Bicarbonate (HCO ₃) <u>1098</u> + 61 <u>18.00</u> HCO ₃ | | |
| 9. Chlorides (Cl) <u>2381</u> - 35.5 <u>67.07</u> Cl | | |
| 10. Sulfates (SO ₄) <u>89</u> - 48 <u>1.85</u> SO ₄ | | |
| 11. Calcium (Ca) <u>1235</u> + 20 <u>61.75</u> Ca | | |
| 12. Magnesium (Mg) <u>37.06</u> + 12.2 <u>3.04</u> Mg | | |
| 13. Total Hardness (CaCO ₃) <u>3240</u> | | |
| 14. Total Iron (Fe) <u>1.7</u> | | |
| 15. Barium (Qualitative) _____ | | |
| 16. Conductivity: <u>114</u> mmhos <u>8800</u> ppm <u>70136</u> | | |
| *Milli equivalents per liter <u>23</u> RMC _____ | | |

PROBABLE MINERAL COMPOSITION



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

| Compound | Equiv. Wt. X | Meq/L | Mg/L |
|-------------------------------------|--------------|--------------|----------------|
| Ca (HCO ₃) ₂ | 61.04 | <u>18.00</u> | <u>1458.72</u> |
| Ca SO ₄ | 68.07 | <u>1.85</u> | <u>125.93</u> |
| Ca Cl ₂ | 55.50 | <u>41.90</u> | <u>2325.4</u> |
| Mg (HCO ₃) ₂ | 73.17 | <u>0</u> | <u>0</u> |
| Mg SO ₄ | 60.19 | <u>0</u> | <u>0</u> |
| Mg Cl ₂ | 47.62 | <u>3.04</u> | <u>144.76</u> |
| Na HCO ₃ | 84.00 | <u>0</u> | <u>0</u> |
| Na ₂ SO ₄ | 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
H₂S = 0

Thank you for the business.



Uinta Research and Analytical Services

PO BOX 1488 - ROOSEVELT, UTAH 84066

James F. Smith

WATER ANALYSIS REPORT

(801) 722-2532

COMPANY _____ ADDRESS _____ DATE _____
 SOURCE 1-34 A4 DATE SAMPLED 3/83 ANALYSIS NO. _____

| Analysis | Mg/L | *Meq/L |
|--|------|--------|
| 1. PH <u>8.10</u> | | |
| 2. H ₂ S (Qualitative) | | |
| 3. Specific Gravity <u>1.007</u> | | |
| 4. Dissolved Solids <u>4847.56</u> | | |
| 5. Suspended Solids _____ | | |
| 6. Phenolphthalein Alkalinity (CaCO ₃) <u>0</u> | | |
| 7. Methyl Orange Alkalinity (CaCO ₃) <u>750</u> | | |
| 8. Bicarbonate (HCO ₃) <u>915</u> - 61 <u>15.00</u> HCO ₃ | | |
| 9. Chlorides (Cl) <u>2038</u> - 35.5 <u>57.41</u> Cl | | |
| 10. Sulfates (SO ₄) <u>269</u> - 48 <u>5.60</u> SO ₄ | | |
| 11. Calcium (Ca) <u>898</u> - 20 <u>44.90</u> Ca | | |
| 12. Magnesium (Mg) <u>37.67</u> - 12.2 <u>3.09</u> Mg | | |
| 13. Total Hardness (CaCO ₃) <u>2400</u> | | |
| 14. Total Iron (Fe) <u>.50</u> | | |
| 15. Barium (Qualitative) | | |
| 16. Conductivity <u>11500</u> mmhos/cm <u>91655</u> uM | | |
| *Milli equivalents per liter <u>1087</u> mg/L <u>23</u> mg/L | | |

PROBABLE MINERAL COMPOSITION

| <table border="1"> <tr><td>44.90</td></tr> <tr><td>3.09</td></tr> <tr><td>30.02</td></tr> </table> | 44.90 | 3.09 | 30.02 | <table border="0"> <tr><td>Ca</td><td>←</td><td>HCO₃</td></tr> <tr><td>Mg</td><td>→</td><td>SO₄</td></tr> <tr><td>Na</td><td>→</td><td>Cl</td></tr> </table> | Ca | ← | HCO ₃ | Mg | → | SO ₄ | Na | → | Cl | <table border="1"> <tr><td>15.00</td></tr> <tr><td>5.60</td></tr> <tr><td>57.41</td></tr> </table> | 15.00 | 5.60 | 57.41 | <table border="0"> <tr><th>Compound</th><th>Equiv. Wt. x</th><th>Meq/L</th><th>Mg/L</th></tr> <tr><td>Ca (HCO₃)₂</td><td>81.04</td><td><u>15.00</u></td><td><u>1215.60</u></td></tr> <tr><td>Ca SO₄</td><td>68.07</td><td><u>5.60</u></td><td><u>381.19</u></td></tr> <tr><td>Ca Cl₂</td><td>55.50</td><td><u>24.30</u></td><td><u>1348.65</u></td></tr> <tr><td>Mg (HCO₃)₂</td><td>73.17</td><td><u>0</u></td><td><u>0</u></td></tr> <tr><td>Mg SO₄</td><td>60.19</td><td><u>0</u></td><td><u>0</u></td></tr> <tr><td>Mg Cl₂</td><td>47.62</td><td><u>3.09</u></td><td><u>147.15</u></td></tr> <tr><td>Na HCO₃</td><td>84.00</td><td><u>0</u></td><td><u>0</u></td></tr> <tr><td>Na₂ SO₄</td><td>71.03</td><td><u>0</u></td><td><u>0</u></td></tr> <tr><td>Na Cl</td><td>58.46</td><td><u>30.02</u></td><td><u>1754.9</u></td></tr> </table> | Compound | Equiv. Wt. x | Meq/L | Mg/L | Ca (HCO ₃) ₂ | 81.04 | <u>15.00</u> | <u>1215.60</u> | Ca SO ₄ | 68.07 | <u>5.60</u> | <u>381.19</u> | Ca Cl ₂ | 55.50 | <u>24.30</u> | <u>1348.65</u> | Mg (HCO ₃) ₂ | 73.17 | <u>0</u> | <u>0</u> | Mg SO ₄ | 60.19 | <u>0</u> | <u>0</u> | Mg Cl ₂ | 47.62 | <u>3.09</u> | <u>147.15</u> | Na HCO ₃ | 84.00 | <u>0</u> | <u>0</u> | Na ₂ SO ₄ | 71.03 | <u>0</u> | <u>0</u> | Na Cl | 58.46 | <u>30.02</u> | <u>1754.9</u> |
|--|--------------|------------------|----------------|--|----|---|------------------|----|---|-----------------|----|---|----|--|-------|------|-------|--|----------|--------------|-------|------|-------------------------------------|-------|--------------|----------------|--------------------|-------|-------------|---------------|--------------------|-------|--------------|----------------|-------------------------------------|-------|----------|----------|--------------------|-------|----------|----------|--------------------|-------|-------------|---------------|---------------------|-------|----------|----------|---------------------------------|-------|----------|----------|-------|-------|--------------|---------------|
| 44.90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3.09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30.02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ca | ← | HCO ₃ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mg | → | SO ₄ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Na | → | Cl | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5.60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 57.41 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Compound | Equiv. Wt. x | Meq/L | Mg/L | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ca (HCO ₃) ₂ | 81.04 | <u>15.00</u> | <u>1215.60</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ca SO ₄ | 68.07 | <u>5.60</u> | <u>381.19</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ca Cl ₂ | 55.50 | <u>24.30</u> | <u>1348.65</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mg (HCO ₃) ₂ | 73.17 | <u>0</u> | <u>0</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mg SO ₄ | 60.19 | <u>0</u> | <u>0</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mg Cl ₂ | 47.62 | <u>3.09</u> | <u>147.15</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Na HCO ₃ | 84.00 | <u>0</u> | <u>0</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Na ₂ SO ₄ | 71.03 | <u>0</u> | <u>0</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Na Cl | 58.46 | <u>30.02</u> | <u>1754.9</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Saturation Values Distilled Water 20°C
 Ca CO₃ 13 Mg/L
 Ca SO₄ · 2H₂O 2,090 Mg/L
 Mg CO₃ 103 Mg/L

Remarks: NA = 468.01 mg/L
H₂S = 1.0 ppm

Thank you for the business



Hinta Research and Analytical Services

P.O. BOX 91488 - ROOSEVELT, UTAH 84066

James F. Smith

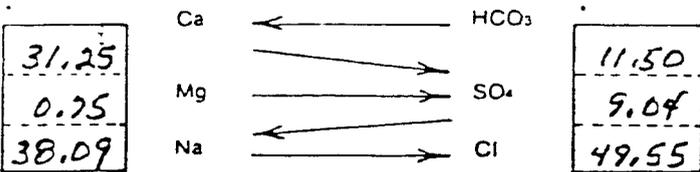
WATER ANALYSIS REPORT

(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 ₂ S (Qualitative) | | |
| 3. Specific Gravity | <u>1.001</u> | |
| 4. Dissolved Solids | <u>4404.18</u> | |
| 5. Suspended Solids | | |
| 6. Phenolphthalein Alkalinity (CaCO ₃) | <u>25</u> | |
| 7. Methyl Orange Alkalinity (CaCO ₃) | <u>575</u> | |
| 8. Bicarbonate (HCO ₃) | HCO ₃ <u>701.5</u> | ÷ 61 <u>11.50</u> HCO ₃ |
| 9. Chlorides (Cl) | Cl <u>1759</u> | ÷ 35.5 <u>49.55</u> Cl <u>38.</u> |
| 10. Sulfates (SO ₄) | SO ₄ <u>434</u> | ÷ 48 <u>9.04</u> SO ₄ <u>38.</u> |
| 11. Calcium (Ca) | Ca <u>625</u> | ÷ 20 <u>31.25</u> Ca <u>47.</u> |
| 12. Magnesium (Mg) | Mg <u>9.11</u> | ÷ 12.2 <u>0.75</u> Mg <u>10.</u> |
| 13. Total Hardness (CaCO ₃) | <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> | |

PROBABLE MINERAL COMPOSITION



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

Remarks: Na = 593.82 mg/L

H₂S = 1.5 ppm

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

August 18, 1986

Utex Oil Company
1245 E. Brickyard Road #600
Salt Lake City, Utah 84106

Gentlemen:

RE: Monthly Injection Reports, 2-11B5 Well, T2S, R5W, Sec. 11,
Duchesne County, Utah

Recent monthly injection reports received by the Division did not list the operating injection pressure as required for the above referenced well. It would be appreciated if this would be included on all such future reports.

If you have any questions concerning this matter, please call.

Sincerely,

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

Gil Hunt
UIC Program Manager

mfp
0156U-90



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

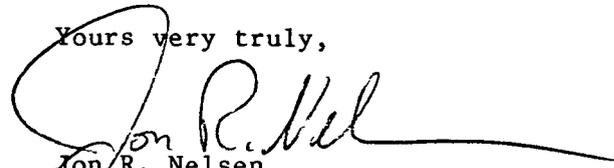
Attention: Ms. Claudia Jones

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)

020919A

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 requirements. See also space 17 below.)
At surface
See attached list

14. PERMIT NO.
43-013-30391

15. ELEVATIONS (Show whether OF, ST, CR, etc.)

RECEIVED
DEC 31 1986

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
Chrich

9. WELL NO.
2-11B5

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA
Sec. 11 2s 5w

12. COUNTY OR PARISH
Muchean

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"/> | FULL OR ALTER CASING <input type="checkbox"/> | WATER SHUT-OFF <input type="checkbox"/> | REPAIRING WELL <input type="checkbox"/> |
| FRACTURE TREAT <input type="checkbox"/> | MULTIPLE COMPLETE <input type="checkbox"/> | FRACTURE TREATMENT <input type="checkbox"/> | ALTERING CASING <input type="checkbox"/> |
| SHOOT OR ACIDIZE <input type="checkbox"/> | ABANDON* <input type="checkbox"/> | SHOOTING OR ACIDIZING <input type="checkbox"/> | ABANDONMENT* <input type="checkbox"/> |
| REPAIR WELL <input type="checkbox"/> | CHANGE PLANS <input type="checkbox"/> | (Other) _____ | |
| (Other) - Change Operator <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 Mgr. DATE 12/24/86

(This space for Federal or State office use)

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

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

SUBM. 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, OR, 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 BLK. 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) _____ |
| (Other) Change Operator <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.) *

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 _____

COMMENTS 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</u> (continued) | | | |
| 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
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

January 20, 1987

JAN 23 1987

DIVISION OF
OIL, GAS & MINING

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

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.

UTEX OIL COMPANY

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

PHONE (801) 484-2262

January 27, 1987

JAN 30 1987
OFFICE OF THE
STATE ENGINEER

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

NOTICE OF TRANSFER OF OWNERSHIP

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

Address: 1245 E. Brickyard Road, Suite 600

City: Salt Lake City State: Utah Zip: 84106

Well no.: #2-11B5 Field or Unit name: Altamont

Sec.: 11 Twp.: 2S Rng.: 5W 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.

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



PETROLITE OIL FIELD CHEMICALS GROUP

369 Marshall Avenue • St. Louis, Missouri 63109
314 961-3500 • TWX 910-760-1660 • Telex: 44-2417

RECEIVED
APR 27 1987

WATER ANALYSIS REPORT

DIVISION OF
OIL, GAS & MINING

COMPANY Coastal Oil and Gas ADDRESS _____ DATE: 4-15-87

SOURCE 2-11B5 SWD DATE SAMPLED 4-15-87 ANALYSIS NO. _____
Analysis 28 081 111 Mg/L *Meq/L

| | | | | |
|--|--------------|------------------------------------|------------|------------------|
| 1. pH | <u>8.0</u> | | | |
| 2. H ₂ S (Qualitative) | <u>55.0</u> | | | |
| 3. Specific Gravity | <u>1.000</u> | | | |
| 4. Dissolved Solids | | <u>21,554</u> | | |
| 5. Suspended Solids | | | | |
| 6. Phenolphthalein Alkalinity (CaCO ₃) | | | | |
| 7. Methyl Orange Alkalinity (CaCO ₃) | | <u>1,140</u> | | |
| 8. Bicarbonate (HCO ₃) | | HCO ₃ <u>1,391</u> ÷ 61 | <u>23</u> | HCO ₃ |
| 9. Chlorides (Cl) | | Cl <u>2,489</u> ÷ 35.5 | <u>70</u> | Cl |
| 10. Sulfates (SO ₄) | | SO ₄ <u>10,500</u> ÷ 48 | <u>219</u> | SO ₄ |
| 11. Calcium (Ca) | | Ca <u>91</u> ÷ 20 | <u>5</u> | Ca |
| 12. Magnesium (Mg) | | Mg <u>8</u> ÷ 12.2 | <u>1</u> | Mg |
| 13. Total Hardness (CaCO ₃) | | <u>260</u> | | |
| 14. Total Iron (Fe) | | <u>0.8</u> | | |
| 15. Barium (Qualitative) | | | | |
| 16. Strontium | | | | |

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION

| | | | | | | | | | | |
|-----|----|---|------------------|-----|-------------------------------------|------------|---|-------|---|--------|
| 5 | Ca | ← | HCO ₃ | 23 | Compound | Equiv. Wt. | X | Meq/L | = | Mg/L |
| 1 | Mg | → | SO ₄ | 219 | Ca (HCO ₃) ₂ | 81.04 | | 5 | | 405 |
| 306 | Na | → | Cl | 70 | Ca SO ₄ | 68.07 | | | | |
| | | | | | Ca Cl ₂ | 55.50 | | | | |
| | | | | | Mg (HCO ₃) ₂ | 73.17 | | 1 | | 73 |
| | | | | | Mg SO ₄ | 60.19 | | | | |
| | | | | | Mg Cl ₂ | 47.62 | | | | |
| | | | | | Na HCO ₃ | 84.00 | | 17 | | 1,428 |
| | | | | | Na ₂ SO ₄ | 71.03 | | 219 | | 15,556 |
| | | | | | Na Cl | 58.46 | | 70 | | 4,092 |

Saturation Values Distilled Water 20°C

| | |
|--|------------|
| Ca CO ₃ | 13 Mg/L |
| Ca SO ₄ • 2H ₂ O | 2,090 Mg/L |
| Mg CO ₃ | 103 Mg/L |

REMARKS _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPL
(Other instructions
verse side)

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

| | | | |
|---|--|--|-------------------|
| 1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SWD | | 5. LEASE DESIGNATION AND SERIAL NO. FEE | |
| 2. NAME OF OPERATOR ANR Limited Inc. | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A | |
| 3. ADDRESS OF OPERATOR P. O. Box 749, Denver, Colorado 80201-0749 | | 7. UNIT AGREEMENT NAME N/A | |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1983' FSL & 1443' FWL (NESW) | | 8. FARM OR LEASE NAME Erich | |
| 14. PERMIT NO. 43-013-30391 | | 9. WELL NO. 2-11B5 | |
| 15. ELEVATIONS (Show whether DF, WT, GR, etc.) 6870' GL | | 10. FIELD AND POOL, OR WILDCAT Altamont | |
| | | 11. SEC., T., R., M., OR BLK. AND SUBVY OR AREA Sec. 11, T2S, R5W | |
| | | 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) <input type="checkbox"/> | |
| (Other) Step Rate Test | <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.)

ANR Ltd. Inc. proposes to perform a step rate test on subject well to determine fracture gradient to establish maximum injection pressure. Procedure will be as follows:

- 1) MIRU Dowell
- 2) Establish injection rate @ 1000 psi. Increase rate in 100 psi increments holding pressure and rate constant for 10 minutes. All pressures and rates will be recorded and then plotted to determine break down or fracture pressure.
- 3) Rig down and return well to a normal disposal function.

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 12-15-87
BY: *[Signature]*
*Attached conditions of approval.

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

SIGNED Brenda W. Swank TITLE Assoc. Regulatory Analyst DATE December 10, 1987

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

Conditions for injection well step-rate test approval:

- 1) Notify the DOGM office prior to commencing operations to allow witnessing of the test.
- 2) Steps must be of equal time length.
- 3) Either rate or pressure must be held constant during each time step.
- 4) Test should include a minimum of 4 data points below the parting pressure and a minimum of 3 data points above the parting pressure.

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.

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*

25 4w 3
 43-013-30048 WSTC 1525 PA (1-03B4) ✓
 25 3w 4
 43-013-30337 UNTA 99996 SDW # 2-4B3 ✓
 25 5w 27
 43-013-30340 UNTA 99996 SDW # 2-27B5 ✓
 15 4w 29
 43-013-30276 WSTC 1831 PA 1-29A4 ✓
 25 2w 13
 43-013-30366 WSTC 1905 ~~POW~~ 1-13B2 ✓
 15 3w 25
 43-013-30370 WSTC 1920 ~~POW~~ 1-25A3 ✓ (Cont.)
 25 4w 23
 43-013-30038 GR-WS 1970 TA 2-23B4 ✓
 25 4w 23
 43-013-30038 GRU 1970 TA 1-23B4 ✓
 25 5w 18
 43-013-30058 WSTC 99998 PPA 1-18B5 ✓
 15 4w 27
 43-013-30266 UNTA SDW 99996 1-27A4 ✓
 25 5w 11
 43-013-30391 UNTA 99996 SDW 2-11B5 ✓
 25 3w 3
 43-013-31193 Orl. 99999 2-3-B3 ✓
 25 4w 1
 43-013-31197 Orl. — 2-1-B4 ✓
 15 3w 22
 43-013-30357 GRU 1885 POW 1-22A3 ✓
 25 2w 20
 43-047-30186 GR-WS 1875 POW 1-20B2E ✓

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL GAS WELL OTHER SWD Well

2. NAME OF OPERATOR ANR Production Company

3. ADDRESS OF OPERATOR P.O. Box 749, Denver, Colorado 80201-0749

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
1983' FSL & 1443' FWL (NESW)

14. PERMIT NO. 43-013-30391

15. ELEVATIONS (Show whether DF, RT, OR, etc.) 6870' GL

6. LEASE DESIGNATION AND SERIAL NO. Fee GMA JO

7. IF INDIAN, ALLOTTEE OR TRIBE NAME

8. UNIT AGREEMENT NAME

9. FARM OR LEASE NAME Ehrich

10. WELL NO. 2-11B5 SWD

11. FIELD AND POOL OR WILDCAT Allamogom

12. SEC., T., R., M., OR BLM. AND SURFACE AREA Section 11, T2S-R5W

13. COUNTY OR PARISH 18. STATE Duchesne Utah

RECEIVED
JUL 8 1988
DIVISION OF OIL GAS & MINING

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

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

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

A Step Rate Test was performed on the above-referenced well 9:00 AM, June 10, 1988. This test was performed by Halliburton Services and was supervised by Vince Guinn, ANR Production Company. A State of Utah witness was not present.

Produced water was injected into the Uintah formation at a fixed rate for periods of 5 minutes each. Final pressures for given rates are as follows:

| <u>Injection Rate (BPM)</u> | <u>Injection Pressure (PSIG)</u> |
|-----------------------------|----------------------------------|
| 8.0 | 500 |
| 8.5 | 590 |
| 9.0 | 680 |
| 9.5 | 760 |
| 10.0 | 840 |
| 10.5 | 910 |
| 11.0 | 980 |
| 11.5 | 1040 |
| 12.5 | 1150 |
| 13.0 | 1210 |
| 13.5 | 1280 |
| 14.5 | 1450 |

Based on the above data and the attached Pressure vs. Rate Plot, ANR Production Company requests that an increase in the maximum pressure be allowed to 750 psi.

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

SIGNED Eileen Darni Dey TITLE Regulatory Analyst DATE July 6, 1988

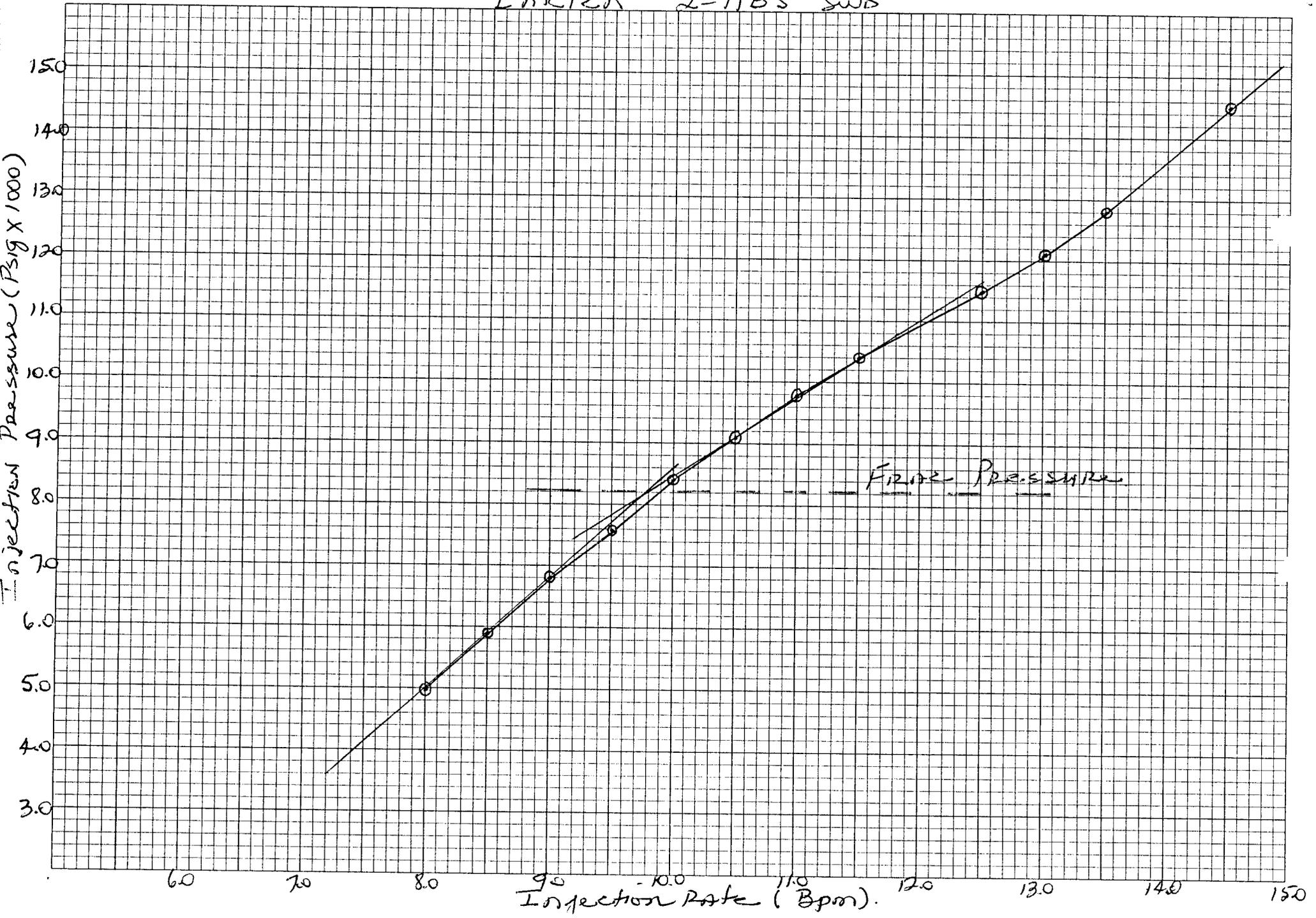
(This space for Federal or State office use)

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

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 7-11-88
BY: [Signature]

*See Instructions on Reverse Side

Ehrlich 2-11B5 SWD



D.

STATE OF UTAH

DIVISION OF OIL, GAS AND MINING

INJECTION WELL - PRESSURE TEST

TEST DATE: 1/8/90 WELL OWNER/OPERATOR: ANR
 DISPOSAL WELL: ENHANCED RECOVERY WELL: OTHER:
 API NO: 43- 30391 WELL NAME/NUMBER: E-11B5
 SECTION: 11 TOWNSHIP: 2S RANGE: 5W

INITIAL CONDITIONS:

TUBING - rate: 1300 pressure: 200
 CASING/TUBING ANNULUS - pressure: _____

CONDITIONS DURING TEST:

TUBING pressure: 200 psi for 15 minutes
 CASING/TUBING ANNULUS pressure: 1000 psi
 annulus pressure drop during test: 0 psi

CONDITIONS AFTER TEST:

TUBING pressure: 1300 psi
 CASING/TUBING ANNULUS pressure: 0 psi

REMARKS: Passed MIT

Brad Green
 OPERATOR REPRESENTATIVE

Don Jamieson
 DOGM WITNESS



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter
Governor

Dee C. Hansen
Executive Director

Dianne R. Nielson, Ph.D.
Division Director

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

January 18, 1990

ANR Production Company
Brad Jensen
P.O. Box 120
Altamont, Utah 84001

Dear Mr. Jensen:

Re: Pressure Test on 2-11B5 Salt Water Disposal Well

The referenced well located in Section 11, Township 2 South, Range 5 West, USM, Duchesne County, Utah, was pressure tested on January 8, 1990. The test was witnessed by Mr. Dan Jarvis of this Division, and Mr. Brad Jensen representing ANR Production Company. The casing tubing annulus was pressured to 1000 psi and held for 15 minutes. There was no pressure bleed off in this time period indicating that the well has mechanical integrity. This test fulfilled the testing requirements of Rule 615-5-5, Oil and Gas Conservation, General Rules.

Sincerely,

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

Dan Jarvis
UIC Geologist

ldc
WOI10

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

| | | |
|--|---|---|
| SUNDRY NOTICES AND REPORTS ON WELLS <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> | | 5. LEASE DESIGNATION & SERIAL NO. Fee |
| | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A |
| 1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER SWD Well | 7. UNIT AGREEMENT NAME N/A | |
| 2. NAME OF OPERATOR ANR Production Company | 8. FARM OR LEASE NAME Ehrich Erich | |
| 3. ADDRESS OF OPERATOR P. O. Box 749, Denver, Colorado 80201-0749 (303) 573-4476 | 9. WELL NO. 2-11B5 SWD | |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1983' FSL & 1443' FWL (NESW) At proposed prod. zone Same as above | 10. FIELD AND POOL, OR WILDCAT Altamont | |
| 14. API NO. 43-013-30391 | 15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6870' GL | 11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA Section 11, T2S-R5W |
| | 12. COUNTY 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"/> FRACTURE TREAT <input type="checkbox"/> SHOOT OR ACIDIZE <input checked="" type="checkbox"/> REPAIR WELL <input type="checkbox"/> (Other) <input type="checkbox"/> | WATER SHUT-OFF <input type="checkbox"/> FRACTURE TREATMENT <input type="checkbox"/> SHOOTING OR ACIDIZING <input type="checkbox"/> (Other) <input type="checkbox"/> |
| PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPLETE <input type="checkbox"/> ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> | REPAIRING WELL <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> ABANDONMENT* <input type="checkbox"/> |
| APPROX. DATE WORK WILL START <u>1/20/91</u> | DATE OF COMPLETION _____ |

(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.)

Proposed Procedure: * Must be accompanied by a cement verification report.

- 1) Soap soak wellbore. Shut well in for 24 hours. Flow back
- 2) Acidize well w/6,000 gallons 15% HCL + additives. Flow back acid load. Return well to production.

**Accepted by the State
of Utah Division of
Oil, Gas and Mining**
Date: 12-31-90
By: [Signature]

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

SIGNED [Signature] TITLE Regulatory Analyst DATE 12-19-90
(This space for Federal or State office use)

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

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 Tribal

7. If Unit or CA, Agreement Designation

N/A

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

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)

660' FNL & 660' FEL (NE/NE)
Section 35, T1S-R3W

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

TYPE OF SUBMISSION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

TYPE OF ACTION

- 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 #2-35A3 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

Accepted by the State
of Utah Division of
Oil, Gas and Mining

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]
Bilouon Danni Day
(This space for Federal or State office use)

Title Regulatory Analyst

Date 4/15/93

Approved by [Signature]
Conditions of approval, if any: Federal Approval of this Action is Necessary

Title _____

Date _____

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

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

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

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

TYPE OF SUBMISSION

- Notice of Intent
 Subsequent Report
 Final Abandonment Notice

TYPE OF ACTION

- 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: 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.

*See Instruction on Reverse Side

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

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.

| | |
|---|---|
| | 5. Lease Designation and Serial Number: Fee |
| | 6. If Indian, Allottee or Tribe Name: N/A |
| | 7. Unit Agreement Name: N/A |
| 1. Type of Well: OIL <input type="checkbox"/> GAS <input type="checkbox"/> OTHER: SWD | 8. Well Name and Number: Ehrich #2-11B5 SWD |
| 2. Name of Operator: ANR Production Company | 9. API Well Number: 43-013-30391 |
| 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: 1983' FSL & 1443' FWL QQ, Sec., T., R., M.: NESW Section 11-T2S-R5W | County: Duchesne State: Utah |

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

| NOTICE OF INTENT (Submit In Duplicate) | SUBSEQUENT REPORT (Submit Original Form Only) |
|---|---|
| <input type="checkbox"/> Abandonment <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Multiple Completion <input type="checkbox"/> Other _____ | <input type="checkbox"/> Abandonment * <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Other _____ |
| <input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Recompletion <input checked="" type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off | <input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off |
| Approximate date work will start <u>9/9/94</u> | 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. |

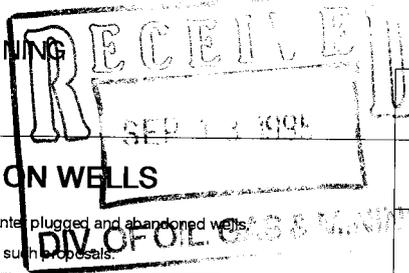
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Acidize SWD w/16,800 gals. of acid.

9/7/94
J.M. Matthews

13. Name & Signature: _____ Title: **N.O. Shiflett** Date: **09/02/94**
 _____ Title: **District Drilling Manager**

(This space for State use only)



SUNDRY NOTICES AND REPORTS ON WELLS

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

| | | |
|--|--|---|
| 1. Type of Well: OIL <input type="checkbox"/> GAS <input type="checkbox"/> OTHER: SWD | | 5. Lease Designation and Serial Number: Fee |
| 2. Name of Operator: ANR Production Company | | 6. If Indian, Allottee or Tribe Name: N/A |
| 3. Address and Telephone Number: P.O. Box 749, Denver, CO 80201-0749 (303) 573-4455 | | 7. Unit Agreement Name: N/A |
| 4. Location of Well Footages: 1983' FSL & 1443' FWL County: Duchesne QQ, Sec., T., R., M.: NESW Section 11-T2S-R5W State: Utah | | 8. Well Name and Number: Ehrich #2-11B5 SWD |
| | | 9. API Well Number: 43-013-30391 |
| | | 10. Field and Pool, or Wildcat: Altamont |

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

| NOTICE OF INTENT (Submit In Duplicate) | SUBSEQUENT REPORT (Submit Original Form Only) |
|---|---|
| <input type="checkbox"/> Abandonment <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Multiple Completion <input type="checkbox"/> Other _____ | <input type="checkbox"/> Abandonment * <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Other _____ |
| <input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Recompletion <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off | <input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input checked="" type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off |
| Approximate date work will start _____ | Date of work completion <u>5/24/95</u> 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.)

Please see the attached chronological history for work performed on the subject well.

13. Name & Signature: Sheila Bremer Title: Environmental & Safety Analyst Date: 09/11/95

(This space for State use only)

ANR PRODUCTION COMPANY
CHRONOLOGICAL HISTORY

PAGE 1

EHRICH #2-11B5 SWD (ACIDIZE)
ALTAMONT FIELD
DUCHESNE COUNTY, UTAH
WI: 75.0% ANR AFE: 00347
TD: 5301'
PERFS: 3749'-5810' (UINTA)
CWC(M\$): 52.5

5/24/95 Well on injection.
MIRU Dowell. Acidize well in stages w/16,800 gal 15% HCl w/additives
& 17,400 gal bleach, M-7 caustic, 2520 gal brine diverter. MTP 800#,
ATP 500#, MTR 14 BPM, ATR 9.8 BPM. ISIP 500#, 15 min SIP 370#.
Place well back on injection. Injection @ 12,500 BWP rate @ 300# (2
pumps). CC: \$47,574

Prior injection pressure 860#. Final report.

| | | |
|--|--|---|
| SUNDRY NOTICES AND REPORTS ON WELLS | | 5. Lease Designation and Serial Number: See Attached |
| 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 <input checked="" type="checkbox"/> GAS <input type="checkbox"/> 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

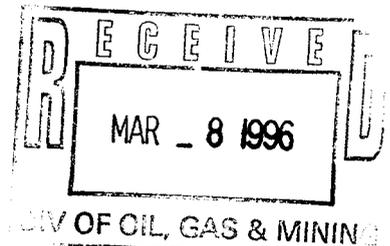
| NOTICE OF INTENT (Submit In Duplicate) | SUBSEQUENT REPORT (Submit Original Form Only) |
|---|--|
| <input type="checkbox"/> Abandon <input type="checkbox"/> Repair Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Convert to Injection <input type="checkbox"/> Fracture Treat or Acidize <input type="checkbox"/> Multiple Completion <input type="checkbox"/> Other _____ | <input type="checkbox"/> Abandon * <input type="checkbox"/> Repair Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Convert to Injection <input type="checkbox"/> Fracture Treat or Acidize <input checked="" type="checkbox"/> Other <u>Change of Operator</u> |
| <input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Recompletion <input type="checkbox"/> Perforate <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off | <input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Perforate <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off |
| Approximate date work will start _____ | 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

 Bonnie Carson, Sr. Environmental & Safety Analyst
 ANR Production Company



13. Name & Signature: *Sheila Bremer* Title: **Sheila Bremer**
 Environmental & Safety Analyst
 Coastal Oil & Gas Corporation Date: 03/07/96

(This space for State use only)

| 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 1895 | 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 11620 | 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 | |
| OIL/GAS WELLS PERMITTED - NOT DRILLED | | | | | | | | | |
| 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 | |
| SALT WATER DISPOSAL WELLS | | | | | | | | | |
| 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 | 96108 | 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

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

Well name and number: Ehrich #2-11B5 SWD
Field or Unit name: Altamont API no. 43-013-30391
Well location: QQ NESW section 11 township 2S range 5W 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

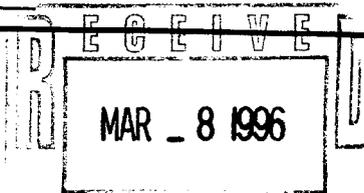
Transfer approved by:

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 (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. 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

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing: *GH*

| | |
|---|-------------------|
| 1 | <i>LEC 7-51</i> |
| 2 | <i>DTS 8-FILE</i> |
| 3 | <i>VLD</i> |
| 4 | <i>RJT</i> |
| 5 | <i>LEC</i> |
| 6 | <i>FILM</i> |

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold) Designation of Agent
 Designation of Operator Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 12-27-95)

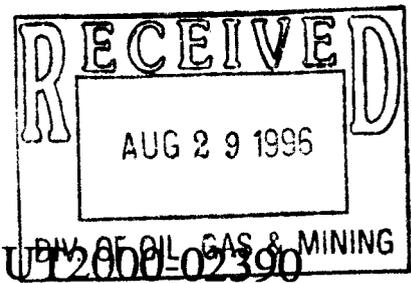
| | | | |
|-------------------|-----------------------------------|------------------------|------------------------------|
| TO (new operator) | <u>COASTAL OIL & GAS CORP</u> | FROM (former operator) | <u>ANR PRODUCTION CO INC</u> |
| (address) | <u>PO BOX 749</u> | (address) | <u>PO BOX 749</u> |
| | <u>DENVER CO 80201-0749</u> | | <u>DENVER CO 80201-0749</u> |
| | phone <u>(303) 572-1121</u> | | phone <u>(303) 572-1121</u> |
| | account no. <u>N 0230 (B)</u> | | account no. <u>N0675</u> |

Well(s) (attach additional page if needed):

| | | | | |
|-------------------------------|----------------------|---------------|-------------------------------|-------------------|
| Name: **SEE ATTACHED** | API: <u>UB-30391</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

- lec* 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)*
- lec* 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.
- lec* 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(3-11-96) (4-3-96/Indian) (4-15-96/Fed C.A.'s) (8-20-96/Indian C.A.'s)*
- lec* 6. Cardex file has been updated for each well listed above.
- lec* 7. Well file labels have been updated for each well listed above.
- lec* 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)*
- lec* 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.



Mechanical Integrity Test Casing or Annulus Pressure Test for Well UT 2000-02390

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 1:05 am/pm
Test conducted by: Willies Hot Oil Service (Gordon)
Others present: Rocky Mechem

ERICH 2-11B5 ✓ 43-c13-30391 2D AC as of 7/14/92
ALTAMONT ✓ NWNESW 11 02S 05W
Indian? Yes, UINTAH-OURAY Compliance staff: WILLIAMS
Coastal
✓ ANR Production Corporation, Denver, CO Op ID ANR01
Comment: 12/91 to enforcement. Late annual monitoring report.

Last MIT: *No record** / / *

| Time (minutes) | Test #1 | Test #2 | Test #3 |
|-----------------|------------------|------------|------------|
| 0 | <u>1075</u> psig | _____ psig | _____ psig |
| 5 | _____ | _____ | _____ |
| 10 | <u>1075</u> | _____ | _____ |
| 15 | _____ | _____ | _____ |
| 20 | <u>1075</u> | _____ | _____ |
| 25 | _____ | _____ | _____ |
| 30 | <u>1075</u> | _____ | _____ |
| 35 | _____ | _____ | _____ |
| 40 | _____ | _____ | _____ |
| 45 | <u>while</u> | _____ | _____ |
| 50 | <u>Injecting</u> | _____ | _____ |
| 55 | <u>testing</u> | _____ | _____ |
| 60 | _____ | _____ | _____ |
| Tubing pressure | <u>420</u> psig | _____ psig | _____ psig |

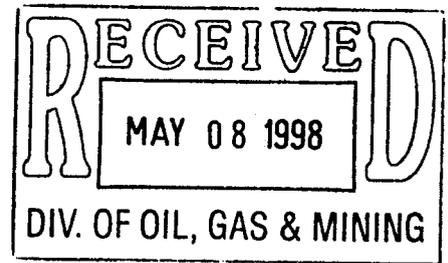
Result (circle) Pass Fail Pass Fail Pass Fail

See back of page for any additional comments and compliance followup.



Coastal
The Energy People

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, SW-04
999 13th Street, Suite 500, Denver, CO 80202-2166

EPA Witness: _____

Date 5/5/98

Time 11:10

Test conducted by: HAL BLANCHARD

Others present: _____

| | |
|---|------------------------------|
| Well: <u>ERICH 2-11B5</u> | Well ID: _____ |
| Field: <u>ALTAMONT</u> | Company: <u>COASTAL</u> |
| Well location: <u>NW/NE/SW Sec 11 T2S R5W</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>1050</u> | _____ | _____ |
| 20 | <u>1050</u> | _____ | _____ |
| 25 | <u>1050</u> | _____ | _____ |
| 30 min | <u>1050</u> | _____ | _____ |
| 35 | _____ | _____ | _____ |
| 40 | _____ | _____ | _____ |
| 45 | _____ | _____ | _____ |
| 50 | _____ | _____ | _____ |
| 55 | _____ | _____ | _____ |
| 60 min | _____ | _____ | _____ |
| tubing press | <u>350</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.

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: STATE: UTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

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"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____ | <input type="checkbox"/> ALTER CASING | <input type="checkbox"/> FRACTURE TREAT | <input type="checkbox"/> SIDETRACK TO REPAIR WELL |
| | <input type="checkbox"/> CASING REPAIR | <input type="checkbox"/> NEW CONSTRUCTION | <input type="checkbox"/> TEMPORARILY ABANDON |
| | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS | <input type="checkbox"/> OPERATOR CHANGE | <input type="checkbox"/> TUBING REPAIR |
| | <input type="checkbox"/> CHANGE TUBING | <input type="checkbox"/> PLUG AND ABANDON | <input type="checkbox"/> VENT OR FLARE |
| | <input type="checkbox"/> CHANGE WELL NAME | <input type="checkbox"/> PLUG BACK | <input type="checkbox"/> WATER DISPOSAL |
| | <input type="checkbox"/> CHANGE WELL STATUS | <input type="checkbox"/> PRODUCTION (START/RESUME) | <input type="checkbox"/> WATER SHUT-OFF |
| | <input type="checkbox"/> 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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JUN 19 2001

DIVISION OF
OIL, GAS AND MINING

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

UIC FORM 5

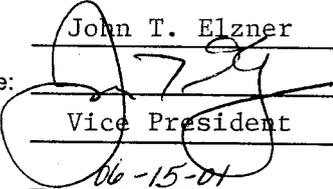
TRANSFER OF AUTHORITY TO INJECT

| | |
|--|--|
| Well Name and Number <u>EXHIBIT "A"</u> | API Number |
| Location of Well Footage : _____ County : _____ QQ, Section, Township, Range: _____ State : UTAH | Field or Unit Name Lease Designation and Number |

EFFECTIVE DATE OF TRANSFER: 03-09-01

CURRENT OPERATOR

Company: Coastal Oil & Gas Corporation
Address: 1368 South 1200 East
city Vernal state UT zip 84078
Phone: 435-789-4433

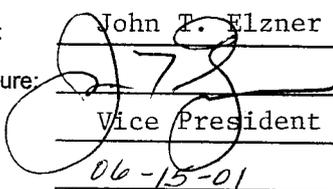
Name: John T. Elzner
Signature: 
Title: Vice President
Date: 06-15-01

Comments: 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"

NEW OPERATOR

Company: El Paso Production Oil & Gas Company
Address: 1368 South 1200 East
city Vernal state UT zip 84078
Phone: 435-789-4433

Name: John T. Elzner
Signature: 
Title: Vice President
Date: 06-15-01

Comments: NAME CHANGE

Bond Number 400JU0708

(This space for State use only)

Transfer approved by: 
Title: Tech. Services Manager

Approval Date: 6-21-01

Comments: Exhibit A as revised.

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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

| API Well No. | Well Name | Well Status | Well Type | Location(T-R) | Section |
|--------------------|------------------------|---|-----------------|---------------|---------|
| 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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 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

010162788

AUTHENTICATION: 1061007

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:

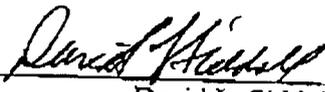
"FIRST. The name of the corporation is El Paso Production Oil & Gas Company."

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

RECEIVED

STATE OF DELAWARE
SECRETARY OF STATE
DIVISION OF CORPORATIONS
FILED 11:00 AM 03/09/2001
010118394 - 0610204

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 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.

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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 ✓ |
| 2. CDW | | 5-LB / <i>b/da</i> |
| 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**

| |
|------------------------------------|
| FROM: (Old Operator): |
| COASTAL OIL & GAS CORPORATION |
| Address: 9 GREENWAY PLAZA STE 2721 |
| |
| HOUSTON, TX 77046-0995 |
| Phone: 1-(713)-418-4635 |
| Account N0230 |

| |
|---|
| TO: (New Operator): |
| 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 |
| G HANSON 2-4B3 SWD | 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 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
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| | | | | | | |

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: 7.26.01

FILING:

1. **ORIGINALS/COPIES** of all attachments pertaining to each individual well have been filled 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".

INSPECTION FORM 6

STATE OF UTAH
DIVISION OF OIL GAS AND MINING

INJECTION WELL - PRESSURE TEST

Well Name: ENRICH 2-1105 SWP API Number: 43-013-30391
 Qtr/Qtr: NE/NE Section: 11 Township: 2S Range: 5W
 Company Name: EL PASO PRODUCTIONS CO
 Lease: State: UT Fee: ✓ Federal: _____ Indian: _____
 Inspector: [Signature] Date: 5-28-03

Initial Conditions:

Tubing - Rate: _____ Pressure: 200 psi
 Casing/Tubing Annulus - Pressure: 0 psi

Conditions During Test:

| Time (Minutes) | Annulus Pressure | Tubing Pressure |
|----------------|---------------------|---------------------|
| 0 | 200 1000 | 1000 200 |
| 5 | 1000 | 225 |
| 10 | 1000 | 240 |
| 15 | 1000 | 240 |
| 20 | 1000 | 250 |
| 25 | 1000 | 260 |
| 30 | 1500 | 280 |

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: 280 psi
 Casing/Tubing Annulus Pressure: 1000 psi

COMMENTS: Tested @ 9:55 for 5 year Rules

[Signature]
 Operator Representative

RECEIVED

MAY 28 2003

DIVISION OF OIL GAS & MINING

INJECTION WELL - PRESSURE TEST

| | |
|--|---------------------------------|
| Well Name: <u>ENRICH 2-11 B5 SWP</u> | API Number: <u>43-013-30391</u> |
| Qtr/Qtr: <u>NE/NE</u> | Section: <u>11</u> |
| Company Name: <u>EL PASO PRODUCTION CO</u> | Township: <u>2S</u> |
| Lease: State <u>Utah</u> | Fed: <u>0</u> |
| Inspector: <u>Humberto Lopez</u> | Indian: <u>0</u> |
| Date: <u>5-28-03</u> | |

Initial Conditions:

Tubing - Rate: _____ Pressure: 200 psi
 Casing/Tubing Annulus - Pressure: 0 psi

Conditions During Test:

| Time (Minutes) | Annulus Pressure | Tubing Pressure |
|----------------|----------------------------|---------------------------|
| 0 | 200 <u>1000</u> | 200 <u>200</u> |
| 5 | <u>1000</u> | <u>225</u> |
| 10 | <u>1000</u> | <u>240</u> |
| 15 | <u>1000</u> | <u>240</u> |
| 20 | <u>1000</u> | <u>250</u> |
| 25 | <u>1000</u> | <u>260</u> |
| 30 | <u>1000</u> | <u>280</u> |

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: 280 psi
 Casing/Tubing Annulus Pressure: 1000 psi

COMMENTS: Tested @ 9:55 for 5 year Rules

[Signature]
 Operator Representative

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

| |
|----------------|
| ROUTING |
| 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> | |
| FROM: (Old Operator): N1845-El Paso Production O&G Company 1001 Louisiana Street Houston, TX 77002 Phone: 1 (713) 420-2300 | TO: (New Operator): N3065-El Paso E&P Company, LP 1001 Louisiana Street Houston, TX 77002 Phone: 1 (713) 420-2131 |
| CA No. | Unit: |

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: MULTIPLE LEASES |
| | | 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: SEE ATTACHED |
| 2. NAME OF OPERATOR: EL PASO PRODUCTION OIL AND GAS COMPANY <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: SEE ATTACHED |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: SEE ATTACHED | | COUNTY: UINTAH & DUCHESNE |
| 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 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: <u>CHANGE OF OPERATOR</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.

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) <u>CHERYL CAMERON</u> | TITLE <u>AUTHORIZED REGULATORY AGENT</u> |
| SIGNATURE <i>Cheryl Cameron</i> | DATE <u>6/20/2006</u> |

(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

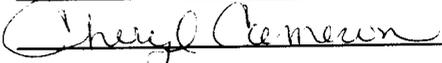
TRANSFER OF AUTHORITY TO INJECT

| | |
|--|--|
| Well Name and Number EHRICH 2-11B5 | API Number 4301330391 |
| Location of Well Footage : 1983' FSL, 1443' FWL County : DUCHESNE QQ, Section, Township, Range: NESW 11 2S 5W State : UTAH | Field or Unit Name ALTAMONT/BLUEBELL Lease Designation and Number FEE |

EFFECTIVE DATE OF TRANSFER: 6/30/2006

CURRENT OPERATOR

Company: EL PASO PRODUCTION OIL & GAS COMPANY
Address: 1339 EL SEGUNDO AVE NE
city ALBUQUERQUE state NM zip 87113
Phone: (505) 344-9380
Comments:

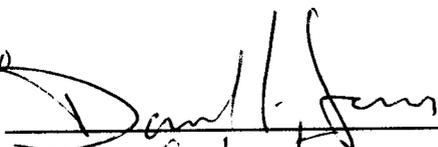
Name: CHERYL CAMERON
Signature: 
Title: REGULATORY ANALYST
Date: 6/6/2006

NEW OPERATOR

Company: EL PASO E&P COMPANY, L.P.
Address: 1339 EL SEGUNDO AVE NE
city ALBUQUERQUE state NM zip 87113
Phone: (505) 344-9380
Comments:

Name: CHERYL CAMERON
Signature: 
Title: REGULATORY ANALYST
Date: 6/6/2006

(This space for State use only)

Transfer approved by: 
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 D13 30391
Ehrich 2-11B5
2S SW 11

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.

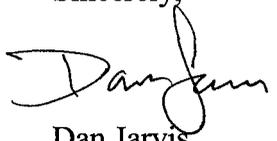


Page 2
November 6, 2008

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, looping 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 Hanson 2-4B3
LDS Church 2-27B5
Ehrich 2-11B5

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.

| | | |
|--|--|--|
| 1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____ | | 5. LEASE DESIGNATION AND SERIAL NUMBER: Multiple Leases |
| 2. NAME OF OPERATOR: El Paso E&P Company, L.P. Attn: Maria Gomez | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: |
| 3. ADDRESS OF OPERATOR: 1001 Louisiana CITY Houston STATE TX ZIP 77002 PHONE NUMBER: (713) 997-5038 | | 7. UNIT or CA AGREEMENT NAME: |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: See Attached COUNTY: QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: STATE: UTAH | | 8. WELL NAME and NUMBER: See Attached |
| | | 9. API NUMBER: |
| | | 10. FIELD AND POOL, OR WILDCAT: See Attached |

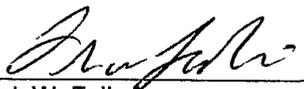
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

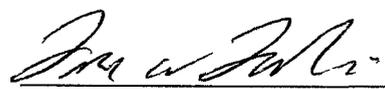
| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|--|---|---|---|
| <input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____ | <input type="checkbox"/> ACIDIZE | <input type="checkbox"/> DEEPEN | <input type="checkbox"/> REPERFORATE CURRENT FORMATION |
| <input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____ | <input type="checkbox"/> ALTER CASING | <input type="checkbox"/> FRACTURE TREAT | <input type="checkbox"/> SIDETRACK TO REPAIR WELL |
| | <input type="checkbox"/> CASING REPAIR | <input type="checkbox"/> NEW CONSTRUCTION | <input type="checkbox"/> TEMPORARILY ABANDON |
| | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS | <input type="checkbox"/> OPERATOR CHANGE | <input type="checkbox"/> TUBING REPAIR |
| | <input type="checkbox"/> CHANGE TUBING | <input type="checkbox"/> PLUG AND ABANDON | <input type="checkbox"/> VENT OR FLARE |
| | <input type="checkbox"/> CHANGE WELL NAME | <input type="checkbox"/> PLUG BACK | <input type="checkbox"/> WATER DISPOSAL |
| | <input type="checkbox"/> CHANGE WELL STATUS | <input type="checkbox"/> PRODUCTION (START/RESUME) | <input type="checkbox"/> WATER SHUT-OFF |
| | <input type="checkbox"/> 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> |

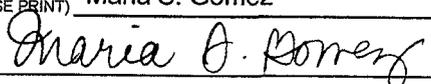
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

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.

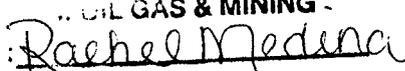

Frank W. Falleri
Sr. Vice President
EP Energy E&P Company, L.P.

| | |
|---|---|
| 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


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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 Ehrich 2-11B5 | API Number 4301330391 |
| Location of Well Footage : 1983' FSL & 1443' FWL County : Duchesne | Field or Unit Name Altamont/Bluebell |
| QQ, Section, Township, Range: NESW 11 2S 5W State : UTAH | Lease Designation and Number Fee |

EFFECTIVE DATE OF TRANSFER: 6/1/2012

CURRENT OPERATOR

| | |
|--|--|
| Company: <u>El Paso E&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&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: *Paul J. ...*
Title: *UIC Geologist*

Comments:

Approval Date: *9/19/2012*

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SEP 12 2012
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