

BW - __7__

**P & S Brine Sales, L.P.
Arnot Ramsey Well #3
(API# 30-025-22813)**

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

| | |
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OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-78

| | |
|---|------------------------------|
| 5a. Indicate Type of Lease | |
| State <input checked="" type="checkbox"/> | Fee <input type="checkbox"/> |
| 5. State Oil & Gas Lease No. M 14474 | |

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 -" (FORM C-101) FOR SUCH PROPOSALS.)

| | | |
|---|-----------------------------------|--------------------------|
| OIL WELL <input type="checkbox"/> | GAS WELL <input type="checkbox"/> | OTHER- BRINE WELL |
| 1. Name of Operator PERMIAN BRINE SALES, INC. | | |
| 2. Address of Operator RT. 3 BOX 3033 ODESSA, TEXAS 79763 | | |
| 3. Location of Well UNIT LETTER P 220 FEET FROM THE SOUTH LINE AND 465 FEET FROM THE EAST LINE, SECTION 16 TOWNSHIP 25 S RANGE 37 E NMPM. | | |

| |
|--|
| 7. Unit Agreement Name |
| 8. Farm or Lease Name ARNOTT RAMSEY |
| 9. Well No. 3 |
| 10. Field and Pool, or Wildcat NONE |

15. Elevation (Show whether DF, RT, GR, etc.)
3150 GL

| |
|-------------------|
| 12. County LEA |
|-------------------|

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO:

| | |
|--|--|
| PERFORM REMEDIAL WORK <input type="checkbox"/> | PLUG AND ABANDON <input checked="" type="checkbox"/> |
| TEMPORARILY ABANDON <input type="checkbox"/> | CHANGE PLANS <input type="checkbox"/> |
| PULL OR ALTER CASING <input type="checkbox"/> | OTHER <input type="checkbox"/> |

SUBSEQUENT REPORT OF:

| | |
|--|---|
| REMEDIAL WORK <input type="checkbox"/> | ALTERING CASING <input type="checkbox"/> |
| COMMENCE DRILLING OPNS. <input type="checkbox"/> | PLUG AND ABANDONMENT <input type="checkbox"/> |
| CASING TEST AND CEMENT JOBS <input type="checkbox"/> | OTHER <input type="checkbox"/> |

16. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

SET CIBP AT 1145 FEET, CIRCULATED CEMENT TO SURFACE INSIDE CASING. LAID DOWN TUBING. FILLED CASING BACK UP WITH CEMENT. WELDED PLATE AND MARKER ON CASING.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED J. L. Anderson TITLE PRESIDENT DATE AUGUST 30, 1983

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

| |
|--|
| 5A. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> |
| 5. State Oil & Gas Lease No. SALT M-14474 |
| 7. Unit Agreement Name |
| 8. Farm or Lease Name SALINE |
| 9. Well No. 3 |
| 10. Field and Pool, or Wildcat |
| 12. County LEA |
| 19. Proposed Depth 1500 |
| 19A. Formation SALT |
| 20. Rotary or C.T. ROTARY |
| 21. Elevations (Show whether DF, RT, etc.) |
| 21A. Kind & Status Plug. Bond ONE-WELL |
| 21B. Drilling Contractor M.F.MACHEN |
| 22. Approx. Date Work will start IMMEDIATELY |

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

| | |
|--|--|
| 1a. Type of Work b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER BRINE WELL SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/> | DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> |
| 2. Name of Operator REPUBLIC FACTORS, INC. | |
| 3. Address of Operator 2011 SHELL, MIDLAND, TEXAS | |
| 4. Location of Well UNIT LETTER M LOCATED 220 FEET FROM THE SOUTH LINE AND 465 FEET FROM THE EAST LINE OF SEC. 16 TWP. 25S RGE. 37E NMPM | |
| 21. Elevations (Show whether DF, RT, etc.) | |
| 21A. Kind & Status Plug. Bond ONE-WELL | |
| 21B. Drilling Contractor M.F.MACHEN | |
| 22. Approx. Date Work will start IMMEDIATELY | |

23.

PROPOSED CASING AND CEMENT PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEMENT | EST. TOP |
|--------------|----------------|-----------------|---------------|-------------------|------------|
| 8 - 3/4" | 7" | 20 LBS | 1200 | 175 | CIRCULATED |
| 6 - 1/4" | 2 - 1/2" | 6.5 LBS | 1500 | PRODUCTION STRING | |

WE PROPOSE TO DRILL AN 8 - 3/4" HOLE TO 1200 FEET, SET AND CEMENT 1200 FEET OF 7" CASING, ALLOW 18 HOURS FOR THE CEMENT TO SET, AND CHECK FOR WATER SHUT-OFF. WE WILL THEN PROCEED TO DRILL A 6 - 1/4" HOLE TO APPROXIMATELY 1500 FEET (300 FEET INTO THE SALT) AND COMPLETE AS A BRINE WELL.

7"

1-23-68

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. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed *J. Hedrick* Title ENGINEER Date 10/21/68

(This space for State Use)

APPROVED BY *[Signature]* TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

| | |
|---|------------------------------|
| 5a. Indicate Type of Lease | |
| State <input checked="" type="checkbox"/> | Fee <input type="checkbox"/> |
| 5. State Oil & Gas Lease No. | |
| Salt M-14474 | |

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 - I" (FORM C-101) FOR SUCH PROPOSALS.)

| | | |
|---|--|--|
| 1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER- Brine Well | | 7. Unit Agreement Name |
| 2. Name of Operator Republic Factors, Inc. | | 8. Farm or Lease Name Saline |
| 3. Address of Operator 2011 Shell, Midland, Texas | | 9. Well No. # 3 |
| 4. Location of Well UNIT LETTER H 1 , 220 FEET FROM THE South LINE AND 465 FEET FROM THE East LINE, SECTION 16 TOWNSHIP 25S RANGE 37E NMPM. | | 10. Field and Pool, or Wildcat |
| 15. Elevation (Show whether DF, RT, GR, etc.) 3150 GR | | 12. County Lea |

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

NOTICE OF INTENTION TO:

| | |
|--|---|
| PERFORM REMEDIAL WORK <input type="checkbox"/> | PLUG AND ABANDON <input type="checkbox"/> |
| TEMPORARILY ABANDON <input type="checkbox"/> | CHANGE PLANS <input type="checkbox"/> |
| PULL OR ALTER CASING <input type="checkbox"/> | OTHER <input type="checkbox"/> |

SUBSEQUENT REPORT OF:

| | |
|---|---|
| REMEDIAL WORK <input type="checkbox"/> | ALTERING CASING <input type="checkbox"/> |
| COMMENCE DRILLING OPNS. <input type="checkbox"/> | PLUG AND ABANDONMENT <input type="checkbox"/> |
| CASING TEST AND CEMENT JOBS <input checked="" type="checkbox"/> | OTHER <input type="checkbox"/> |

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

10-21-68 Well spudded at 1:00 p.m.
10-25-68 Set 39 joints of 7"-20# casing at 1223' (KB measurements) with 150 sacks Halliburton Light Cement with 18% salt followed by 50 sacks Class "H" cement with 23% salt and 2% calcium chloride. Plug down at 6:25 a.m. 10-25-68. Cement did not circulate but was near (approximately 25 feet) to top of hole. Used ready-mix cement to fill.
10-26-68 W.O.C. 30 hours. Tested casing with 1500# for 30 minutes. No leaks.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED *Woodrich* TITLE Engineer DATE 11- 5-68

APPROVED BY *[Signature]* TITLE _____ DATE _____

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**NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

Form O-105
Revised 1-1-65

| |
|--|
| 5a. Indicate Type of Lease State <input checked="" type="checkbox"/> Fee <input type="checkbox"/> |
| 5. State Oil & Gas Lease No. Salt M-14474 |

| | |
|---|--|
| 14. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER Brine Well | |
| 15. TYPE OF COMPLETION NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER <input type="checkbox"/> | |

| |
|---|
| 7. Unit Agreement Name |
| 8. Field or Lease Name Saline |
| 9. Well No. 3 |

| |
|---|
| 1. Name of Operator Republic Factors, Inc. |
| 2. Address of Operator 2011 Shell, Midland, Texas |

| |
|--------------------------------|
| 10. Field and Pool, or Wildcat |
|--------------------------------|

| |
|--|
| 11. Section M LOCATED 220 FEET FROM THE South LINE AND 465 FEET FROM THE East LINE OF SEC. 16 TWP. 25S RGE. 37E N.M.P.M. |
|--|

| |
|--------------------------|
| 12. County Lea |
|--------------------------|

| | | | | |
|------------------------------------|--|---|--|-------------------------------------|
| 13. Date of Log 10-21-68 | 16. Date T.D.B. Reached 10-27-68 | 17. Date Compl. (Ready to Prod.) 10-27-68 | 18. Elevations (D.P., RKB, RT, GR, etc.) 3150 GR | 19. Elev. Casinghead 3147 |
| 20. Total Depth 1511 | 21. Plug back T.D. 1511 | 22. If Multiple Compl., How Many 1 | 23. Integrals Added by 0-1511 | 24. Rotary Tools 0-1511 |

| |
|--|
| 25. Was Directional Survey Made no |
|--|

| |
|---|
| 26. Circulating Interval(s) of this completion - Top, Bottom, Name Circulating fresh water past salt zone from 1239' to 1511' form brine to |
|---|

| |
|---------------------------------|
| 27. Was Well Cored no |
|---------------------------------|

| |
|--|
| 28. Type Electric and Other Logging None |
|--|

| |
|---------------------------------|
| 29. Was Well Cored no |
|---------------------------------|

| CASING RECORD (Report all strings set in well) | | | | | |
|--|-----------------|-------------|--------------|------------------|---------------|
| CASING SIZE | WEIGHT LB./ FT. | DEPTH SET | HOLE SIZE | CEMENTING RECORD | AMOUNT PULLED |
| 7" | 20 | 1223 | 8 3/4 | 200 sacks | |

| LINER RECORD | | | | | TUBING RECORD | | |
|--------------|-----|--------|--------------|--------|---------------|-------------|------------|
| SIZE | TOP | BOTTOM | SACKS CEMENT | SCREEN | SIZE | DEPTH SET | PACKER SET |
| | | | | | 2 7/8 | 1491 | |

| | |
|--|---|
| 30. Log and Cement (Material, size and number) Open hole from 1223' to 1511' | 31. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED |
|--|---|

| PRODUCTION | | | | | | | |
|--|-----------------|---|-------------------------|------------|-------------|------------------------------------|---------------|
| 32. Date First Production Brine Well | | 33. Production Method (Flowing, gas lift, pumping - Size and type pump) | | | | 34. Well Status (Prod. or Shut-in) | |
| 35. Date of Test | Hours Tested | Choke Size | Prod'n. Per Test Period | Oil - Bbl. | Gas - MCF | Water - BBL | Gas-Oil Ratio |
| 36. Wellhead Pressure | Bottom Pressure | Calculated 24-Hour Rate | Oil - Bbl. | Gas - MCF | Water - BBL | GR Gravity - API (Corr.) | |
| 37. Description of Well (Sed. used for fuel, vented, etc.) | | | | | | 38. Test Well used by | |

| |
|--|
| 39. List of Attachments None |
|--|

| | | |
|---|-----------------------|----------------------|
| 40. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief. | | |
| SIGNED J. Woodruff | TITLE Engineer | DATE 11-15-68 |

This form is to be filed with the appropriate District Office of the Commission not later than 30 days after the completion of any newly-drilled or reopened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including tripping tests. At 3, the pressure shall be measured before, in the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 113.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

| | | | |
|---------------------------|------------------------|-----------------------------|-------------------------|
| T. Anhy _____ | T. Canyon _____ | T. Ojo Alamo _____ | T. Penn. "B" _____ |
| T. Salt _____ | T. Strawn _____ | T. Kirtland-Fruitland _____ | T. Penn. "C" _____ |
| B. Salt _____ 1239 | T. Atoka _____ | T. Pictured Cliffs _____ | T. Penn. "D" _____ |
| T. Yates _____ | T. Miss _____ | T. Cliff House _____ | T. Leadville _____ |
| T. 7 Rivers _____ | T. Devonian _____ | T. Menefee _____ | T. Madison _____ |
| T. Queen _____ | T. Silurian _____ | T. Point Lookout _____ | T. Elbert _____ |
| T. Grayburg _____ | T. Montoya _____ | T. Mancos _____ | T. McCracken _____ |
| T. San Andres _____ | T. Simpson _____ | T. Gallup _____ | T. Ignacio Qtzite _____ |
| T. Glorieta _____ | T. McKee _____ | Base Greenhorn _____ | T. Granite _____ |
| T. Paddock _____ | T. Ellenburger _____ | T. Dakota _____ | T. _____ |
| T. Blinebry _____ | T. Gr. Wash _____ | T. Morrison _____ | T. _____ |
| T. Tubb _____ | T. Granite _____ | T. Tedilto _____ | T. _____ |
| T. Drinkard _____ | T. Delaware Sand _____ | T. Entrada _____ | T. _____ |
| T. Abo _____ | T. Bone Springs _____ | T. Wingate _____ | T. _____ |
| T. Wolfcamp _____ | T. _____ | T. Chinle _____ | T. _____ |
| T. Penn. _____ | T. _____ | T. Permian _____ | T. _____ |
| T. Cisco (Bough C) _____ | T. _____ | T. Penn. "A" _____ | T. _____ |

FORMATION RECORD (Attach additional sheets if necessary)

| From | To | Thickness in Feet | Formation | From | To | Thickness in Feet | Formation |
|------|------|----------------------|-------------------------|------|----|----------------------|-----------|
| 0 | 236 | 236 | Red Beds and sand | | | | |
| 236 | 449 | 213 | Red bed, shale & lime | | | | |
| 449 | 990 | 541 | Lime & shale | | | | |
| 990 | 1239 | 249 | Lime, shale & anhydrite | | | | |
| 1239 | 1511 | 272 | Salt & potash | | | | |

COUNTY LEA FIELD Brine Well STATE NM 30-025-22813
 CPR PERMIAN CORP. THE MAP
 WS-3 Saline
 Sec 16, T-25-S, R-37-E CO-ORD
 220' FSL, 465' FEL of Sec.
 Spd 10-21-68
 Cmp 10-27-68

| | CLASS | | EL | |
|--------------------------------------|-----------|-------|-----------|-------|
| | FORMATION | DATUM | FORMATION | DATUM |
| CGG & SX TUBING at 1223' w/200 sx | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| CGG EL GR RA IND HC A | TD 1511' | | | |

(Salt) on 1223-1511' WATER SUPPLY WELL

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M. F. Machen

PROP DEPTH 1500' TYPE

F.R. 10-31-68; WATER SUPPLY WELL
 PD 1500' (Salt)
 Contractor - M. F. Machen
 3-3-69 AMEND OPERATOR: Formerly reported as
 Republic Factors, Inc.
 3-3-69 TD 1511'; COMPLETE
 3-6-69 COMPLETION REPORTED.