

FORM 3160-5
(June 1990)

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 reenter a different reservoir
Use "APPLICATION FOR PERMIT -1" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Gas
☒ Well ☐ Well ☐ Other

2. Name of Operator

Falcon Creek Resources, Inc.

3. Address and Telephone No

821 17th Street, Suite 1800, Denver CO 80293-0621 (303) 675-0007

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

Sec. 23, T20S, 38E

5. Lease Designation and Serial No.

NM 43739

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

NA

8. Well Name and No.

NMFU Federal #1

9. API Well No.

30-025-33836

10. Field and Pool, or Exploratory Area

Blaineby, & East Warren Tubb

11. County or Parish, State

Lea County NM

12. CHECK APPROPRIATE BOX(es) 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
☐ 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.)

Requesting Water Disposal (Please See Attached)

SUBJECT TO
LIKE APPROVAL
BY STATE

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

Signed

Title Senior Engineer

Date 07/30/99

(This space for Federal or State office use)

Approved by

Title

Date

AUG 17 1999

Conditions of approval, if any:

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

*See Instructions on Reverse Side

Water Production & Disposal Information

In order to process your disposal request, the following information must be completed:

1. Name of formations producing water on the lease Blinebry & Tubb
2. Amount of water produced from all formations in barrels per day 31.25 bbls / per day
3. Attach a current water analysis of produced water from all zones showing at least the total dissolved solids, ph, and the concentrations of chlorides and sulfates.
(One sample will suffice if the water is commingled)
4. How water is stored on the lease Water Tank (210bbls.)
5. How water is moved to the disposal facility Transfer Pump
6. Identify the Disposal Facility by:
 - A. Facility operators name Falcon Creek Resources, Inc.
 - B. Name of facility or well name & number NMF State #1
 - C. Type of facility or well (WDW) (WIW) etc. SWD
 - D. Location by 1/4 1/4 Unit D Section 36 Township 20S
Range 38E
7. Attach a copy of the State issued permit for the Disposal Facility

Submit to this office, 414 W. Taylor, Hobbs, NM 88240, the above required information on a Sundry Notice, form 3160-5. Submit 1 original and 5 copies, within 20 days from receipt of notice. (This form may be used as an attachment to the Sundry Notice). Call at (505)393-3612 if you have any questions.

RECEIVED
1999 JUL 30 P 2:20
BUREAU OF LAND MGMT.
TOLSON, NEW MEXICO

Permian Treating Chemicals

WATER ANALYSIS REPORT

SAMPLE

Oil Co. : Stevens & Tull
 Lease : D.K.
 Well No. : # 1
 Well Name : Blueberry & Tull

Sample Loc. :
 Date Analyzed : 22-September-1997
 Date Sampled :

RECEIVED
 1999 JUL 30 P 2:51
 BUREAU OF LAND MGMT.
 EL PASO, TEXAS, MEXICO

ANALYSIS

1. pH 6.460
2. Specific Gravity 60/60 F. 1.128
3. CaCO₃ Saturation Index @ 80 F. +1.127
 @ 140 F. +2.347

Dissolved Gasses

4. Hydrogen Sulfide Not Present
5. Carbon Dioxide Not Determined
6. Dissolved Oxygen Not Determined

Cations

- | | | | | |
|---|----------------|---|--------|----------|
| 7. Calcium (Ca ⁺⁺) | 9,048 | / | 20.1 = | 450.15 |
| 8. Magnesium (Mg ⁺⁺) | 3,439 | / | 12.2 = | 281.89 |
| 9. Sodium (Na ⁺) (Calculated) | 63,011 | / | 23.0 = | 2,739.61 |
| 10. Barium (Ba ⁺⁺) | Not Determined | | | |

Anions

- | | | | | |
|--|---------|---|--------|----------|
| 11. Hydroxyl (OH ⁻) | 0 | / | 17.0 = | 0.00 |
| 12. Carbonate (CO ₃ ⁼) | 0 | / | 30.0 = | 0.00 |
| 13. Bicarbonate (HCO ₃ ⁻) | 537 | / | 61.1 = | 8.79 |
| 14. Sulfate (SO ₄ ⁼) | 1,250 | / | 48.0 = | 25.61 |
| 15. Chloride (Cl ⁻) | 121,973 | / | 35.5 = | 3,435.86 |

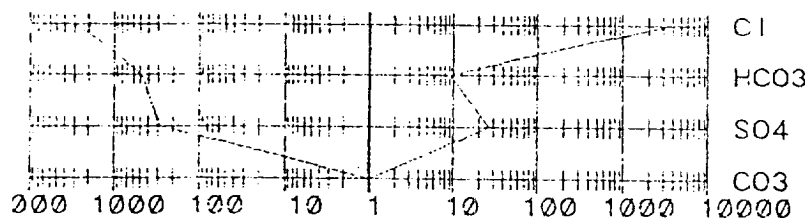
- | | | | | |
|---|------------|---|--------|------|
| 16. Total Dissolved Solids | 199,258 | | | |
| 17. Total Iron (Fe) | 3 | / | 16.2 = | 0.19 |
| 18. Total Hardness As CaCO ₃ | 38,753 | | | |
| 19. Resistivity @ 75 F. (Calculated) | 0.001 /cm. | | | |

LOGARITHMIC WATER PATTERN

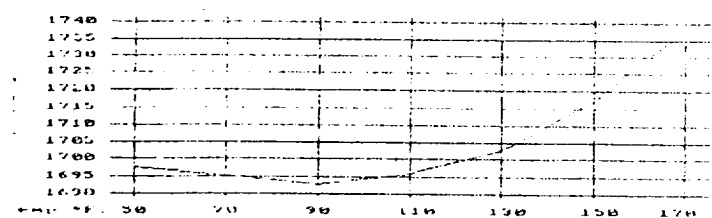
*meq/L.

PROBABLE MINERAL COMPOSITION

COMPOUND EQ. WT. X *meq/L = mg/L.



Calcium Sulfate Solubility Profile



Cl	Ca(HCO ₃) ₂	81.04	8.79	712
HCO ₃	CaSO ₄	68.07	25.61	1,744
SO ₄	CaCl ₂	55.50	415.75	23,074
CO ₃	Mg(HCO ₃) ₂	73.17	0.00	0
	MgSO ₄	60.19	0.00	0
	MgCl ₂	47.62	281.89	13,423
	NaHCO ₃	84.00	0.00	0
	NaSO ₄	71.03	0.00	0
	NaCl	58.46	2,738.23	160,077

*Milli Equivalents per Liter

water is slightly corrosive due to the pH observed on analysis.
 corrosivity is increased by the content of mineral salts in solution.

Submit 3 Copies
To Appropriate
District Office

DISTRICT I

P.C. Box 1980, Hobbs, NM 88240

DISTRICT II

811 South First, Artesia NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, NM 87505

Form C-103
Revised 1-1-89

WELL API NO. 30-025-07887
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name: NMF State
8. Well No. 1
9. Pool name or Wildcat SWD Wildcat; Glorietta

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)

- | | |
|--|--|
| 1. Type of Well:
Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> SWD | 7. Lease Name or Unit Agreement
Name:
NMF State |
| 2. Name of Operator
Falcon Creek Resources, Inc. | 8. Well No.
1 |
| 3. Address of Operator
621 17 th St., Suite 1800
Denver, CO 80293-0621 | 9. Pool name or Wildcat
SWD Wildcat; Glorietta |
| 4. Well Location
Unit letter <u>D</u> : <u>660</u> feet from the <u>N</u> line and <u>660</u> feet from the <u>W</u> line
Section <u>36</u> , Township <u>20S</u> Range <u>38E</u> NMPM Lea County | 10. Elevation (Show whether DF, RKB, RT, GR, etc.)
3563' GR, 3576' DF |

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK PLUG AND ABANDON
TEMPORARILY ABANDON CHANGE PLANS
PULL OR ALTER CASING
OTHER: _____

SUBSEQUENT REPORT OF:

REMEDIAL WORK ALTERING CASING
COMMENCE DRILLING OPNS. PLUG AND ABANDONMENT
CASING TEST AND CEMENT JOB
OTHER: Convert to SWD - Order # SWD-726

12. 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.

10/20/98 RIH w/ 6-3/4" bit and 4 4-3/4" DC. Drill out cement plugs and CIBPs.
10/23/98 POOH w/ tbg, and LDDC and bit. Run CNL from 6000'-2500'. Set CIBP @ 5850' to isolate Blinbry Perfs.
10/27/98 Perf Glorietta 5571'-5708'. RIH w/ 2-7/8" tbg and pet pkr @ 5422'. Swab well
10/28/98 Acidize well w/ 3900 gal 15% NEFE acid. RDMO acidizers and RU swab. Make 8 swab runs. LD 2-7/8" tbg.
10/30/98 Frac down 3-1/2" tbg w/ 47502 gal SFG 3500 w/ 125,000# 16/30/ Ottawa sand AIP=4050, AIR 30 bpm, ISIP 3445 psi.
10/31/98 POOH w/ 3-1/2" tbg. Wait on injection pump
12/10/98 RIH w/ 2-7/8" tbg. Perf Glorietta w/ 2 JSPF from 5802'-5814' & 5818'-5822'.
12/11/98 Acidize w/ 1500 gals 15% NeFe, ISIP 2000 psi. POOH w/ work string. RIH w/ 158 jts IPC tbg and pkr set @ 5150.
Flange wellhead

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

SIGNATURE Oscar L. Peters TITLE Manager of Operations DATE _____

Type of print name Oscar L. Peters

Telephone No. (303) 675-0007

(This space for State use)

APPROVED ORIGINAL SIGNED BY CHRIS WILLIAMS TITLE _____ DATE _____

FEB 22 1999

Conditions of approval, if any: