

Submitt 3 Copies To Appropriate District  
Office  
District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Ave., Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM  
87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
May 27, 2004

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

WELL API NO. 30-045-32222
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Pubco State Com.
8. Well Number #1 <u>C</u>
9. OGRID Number 009338
10. Pool name or Wildcat Basin Dakota

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 ☐ Gas Well ☒ Other

2. Name of Operator Great Western Drilling Co.

3. Address of Operator c/o Walsh Engineering  
7415 East Main Street, Farmington, NM 87402

4. Well Location

Unit Letter K 1575' feet from the South line and 2480' feet from the West line

Section 36 Township 31N Range 11W NMPM County San Juan

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
5936' GR

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type \_\_\_\_\_ Depth to Groundwater \_\_\_\_\_ Distance from nearest fresh water well \_\_\_\_\_ Distance from nearest surface water \_\_\_\_\_

Pit Liner Thickness: \_\_\_\_\_ mil Below-Grade Tank: Volume \_\_\_\_\_ bbls; Construction Material \_\_\_\_\_

12. 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 ☐ MULTIPLE COMPL ☐

OTHER: Frac Report ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

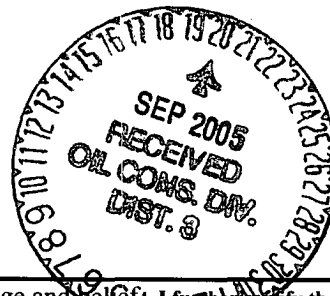
COMMENCE DRILLING OPNS. ☐ P AND A ☐

CASING/CEMENT JOB ☐

OTHER: True ☒

13. 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. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

On 08/05/05 Great Western Drilling had Fraced the Pubco State Com #1 per the attached treatment reports. TOC was 2100'.



I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Paul C. Thompson TITLE Agent DATE 09/15/05

Type or print name Paul C. Thompson, P.E.

E-mail address: paul@walsheng.net

Telephone No. 505-327-4892

For State Use Only

APPROVED BY: Chal R TITLE SUPERVISOR DISTRICT # 3

DATE SEP 20 2005

Conditions of Approval (if any):

## FRACTURE TREATMENT REPORT

Operator: Great Western Drilling Co. Well Name: Pubco State Com #1C  
Date: 5-Aug-05  
Field: Blanco Mesa Verde Location: 36/31N/11W County: San Juan State: NM  
Stimulation Company: BJ Services / Computalog Supervisor: Paul Thompson

Stage #: 2/2 Menefee & Cliff House

Sand on location: Design: 120,000# Weight ticket: 121,120 Size/type: 20/40 Brady

Fluid on location: No. of Tanks: 16 Strap: 20 Amount: 6400 Usable: 5760

Perforations: Depth: 4147 - 4867 Total Holes: 50 PBTD: 4707' KB  
Shots per foot: 1 spf EHD: 0.34" Composite BP

Breakdown: Acid: 1000 gal of 15% HCl  
Balls: None  
Pressure: on: 3100 end: 900 Rate:

Stimulation: ATP: 2875 psi AIR: 83 BPM  
MTP: 3500 psi MIR: 85 BPM

	Sand Stage	Pressure	Rate	BHTP
ISIP: 855	pad	2480	76	2900
5 min: 675	0.5 ppg	3050	76.0	2800
10 min: 610	1 ppg	3020	85	2500
15 min: 575	1.5 ppg	2970	85	1750
	2 ppg	2850	83.0	1600

Job Complete at: 1940 hrs. Date: 8/5/2005 Start flow back: SI  
Total Fluid Pumped: 2471 bbls  
Total Sand Pumped: 120,000# Total Sand on Formation: 120,000#  
Total Nitrogen Pumped: None

### Notes:

All frac fluid was Aztec City water with 2% KCl, biocide, and 1 gal/1000 gal of friction reducer and surface tension reducer. Computalog had a lot of trouble perforating the second stage. The frac gradient based on the ISIP was 0.64 psi/ft. SI well.

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Date: 5-Aug-05  
Field: Blanco Mesa Verde Location: 36/31N/11W County: San Juan State: NM  
Stimulation Company: BJ Services / Computalog Supervisor: Paul Thompson

Stage #: 1/2 Point Lookout

Sand on location: Design: 120,000# Weight ticket: 121,120 Size/type: 20/40 Brady

Fluid on location : No. of Tanks: 16 Strap: 20 Amount: 6400 Usable: 5760

Perforations: Depth: 4737 - 5078 Total Holes: 50 PBTD: 5178'  
Shots per foot: 1 spf EHD: 0.34" Loggers TD

Breakdown: Acid: 1000 gal of 15% HCl Formation broke at 3100 psi  
Balls: None  
Pressure: on: 3300 end: 2400 Rate: 40 - 50 BPM

Stimulation: ATP: 2500 psi AIR: 80 BPM  
MTP: 3500 psi MIR: 85 BPM

	Sand Stage	Pressure	Rate	BHTP
ISIP: 0	pad	2988	64.4	3322
5 min:	0.5 ppg	3170	75.0	2797
10 min:	1 ppg	3034	82.1	2203
15 min:	1.5 ppg	2365	85.5	1232
	2 ppg	2136	84.0	1033

Job Complete at: 1045 hrs. Date: 8/5/2005 Start flow back: SI. Well on vacuum  
Total Fluid Pumped: 2530 bbls  
Total Sand Pumped: 120,000# Total Sand on Formation: 120,000#  
Total Nitrogen Pumped: None

Notes:  
All frac fluid was Aztec City water with 2% KCl, biocide, and 1 gal/1000 gal of friction reducer and surface tension reducer. Steadily increased the treating rate as the pressures declined. Well was on a vacuum at the end of the job.