

Submit 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. 30-045-32669
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 <i>J E Decker</i>
Well Number #1 <i>2</i>
OGRID Number 009338
10. Pool name or Wildcat Basin Fruitland Coal

SUNDRY NOTICES AND REPORTS ON WELLS  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG A WELL IN 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 1 1965' feet from the South line and 660' feet from the East line

Section 12 Township 32N Range 12W NMPM County San Juan

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
6385' GL

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: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐

OTHER: FRAC REPORT ☒

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 09/21/05 Great Western Drilling had Fraced the J.E. Decker #12 per the attached treatment reports.

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 10/17/05

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: *H. Villanueva* TITLE *DEPUTY OIL & GAS INSPECTOR, DIST. 3* DATE *OCT 20 2005*  
Conditions of Approval (if any):

## FRACTURE TREATMENT REPORT

Operator: Great Western Drilling Co. Well Name: J.E. Decker #12  
Date: 26-Sep-05  
Field: Basin Fruitland Coal Location: 12/30N/12W County: San Juan State: NM  
Stimulation Company: Key & Computalog Supervisor: Paul Thompson

Stage #: 2/2 Upper Coals

Sand on location: Design: 75,000# Weight ticket: Size/type: 20/40 Brady

Fluid on location : No. of Tanks: 3 Strap: 7' Amount: Usable: 390

Perforations: Depth: 2647 - 50, 2665 - 79 Total Holes: 76 PBTD: 2705' KB  
Shots per foot: 4 spf EHD: 0.34" 2nd Frac Plug

Breakdown: Acid: Formation broke at 3200 psi  
Balls: Pressure: Rate:

Stimulation: ATP: 2800 psi AIR: 40 BPM  
MTP: 3000 psi MIR: 41 BPM

	Sand Stage	Pressure	Rate	BHTP	Foam Quality
ISIP: 1928	pad	2487	40.6	2491	70.0
5 min: 1696	1 ppg	2676	39.9	2740	70.0
10 min: 1629	2 ppg	2920	39.5	3126	71.0
15 min: 1598	3 ppg	2905	39.6	3197	70.0
	4 ppg	2790	39.7	3124	65.0
	5 ppg	2689	39.1	3095	60.0

Job Complete at: 1355 hrs. Date: 9/26/2005 Start flow back: 1530 hrs  
Total Fluid Pumped: 291 bbls with 1550 psi  
Total Sand Pumped: 75,000# Total Sand on Formation: 75,000#  
Total Nitrogen Pumped: 539,273 SCF

### Notes:

Pressure tested the frac plug at 2710' KB. The pressure went to 1200 psi then started falling off. Set another frac plug at 1705' KB and pressure tested to 3500 psi – held OK. Perforated the upper Fruitland Coal. All frac fluid was Aztec City water with 2% KCl, biocide, and 20#/1000 gal guar gel, borate crosslinker, surfactant, pH buffers, enzyme and encapsulated breakers. Nolte plot was slightly positive through the 3ppg stage then was flat to slightly negative for the rest of the job.

## FRACTURE TREATMENT REPORT

Operator: Great Western Drilling Co. Well Name: J.E. Decker #12  
Date: 21-Sep-05  
Field: Basin Fruitland Coal Location: 12/30N/12W County: San Juan State: NM  
Stimulation Company: Key & Computalog Supervisor: Paul Thompson

Stage #: 1/2 Lower Coals

Sand on location: Design: 230,000# Weight ticket: 270,040# Size/type: 20/40 Brady

Fluid on location : No. of Tanks: 3 Strap: 20' Amount: 1200 Usable: 1080'

Perforations: Depth: 2740 - 58, 73 - 97, 2812-30 Total Holes: 240 PBTD: 2981' KB  
Shots per foot: 4 spf EHD: 0.34"

Breakdown: Acid: \_\_\_\_\_  
Balls: \_\_\_\_\_  
Pressure: \_\_\_\_\_ Rate: \_\_\_\_\_  
Formation broke at 740 psi

Stimulation: ATP: 2750 psi AIR: 45.0 BPM  
MTP: 2990 psi MIR: 46.5 BPM

	Sand Stage	Pressure	Rate	BHTP	Foam Quality
ISIP: 780	pad	2340	45.7	2116	69.0
5 min: 570	1 ppg	2561	46.5	2450	70.0
10 min: 518	2 ppg	2790	46.4	2788	70.0
15 min: 487	3 ppg	2967	44.9	3115	71.0
	4 ppg	2783	44.5	2959	66.0
	5 ppg	2575	42.2	2801	61.0

Job Complete at: 1325 hrs. Date: 9/21/2005 Start flow back: 1930 hrs  
Total Fluid Pumped: 693 bbls with 1250 psi  
Total Sand Pumped: 230,000# Total Sand on Formation: 230,000#  
Total Nitrogen Pumped: 1,244,927 SCF

### Notes:

All frac fluid was Aztec City water with 2% KCl, biocide, and 20#/1000 gal guar gel, borate crosslinker, surfactant, pH buffers, enzyme and encapsulated breakers. Nolte plot was slightly positive through the 3ppg stage then was flat to slightly negative for the rest of the job.