

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS
*Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.*

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: November 30, 2000

5. Lease Serial No.
NM - 0309373

6. If Indian, Allottee, or Tribe Name
2005 AUG 8 PM 2 54

7. If Unit or CA/Agreement, Name and/or No.
RECEIVED

070 FARMINGTON NM

8. Well Name and No.
CALLOW #1F

9. API Well No.
30-045-32165

10. Field and Pool, or Exploratory Area
Basin Dakota

11. County or Parish, State
San Juan, New Mexico

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
GREAT WESTERN DRILLING CO.

3a. Address c/o Walsh Engineering & Prod. Corp.
7415 East Main St. Farmington, NM 87402

3b. Phone No. (include area code)
(505) 327-4892

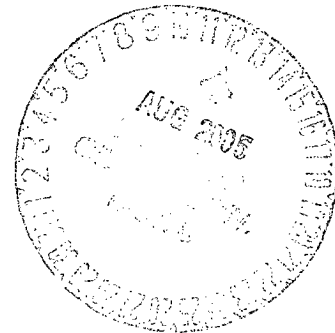
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1970' FSL & 2450' FWL Sec. 33, T29N, R13W

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input checked="" type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, A Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

On 5/28/05 ran CBL and found TOC at 4145'. Fraced well per attached treatment reports.



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

Name (Printed/Typed)
Paul C. Thompson, P.E.

Title Agent

Signature

Paul C. Thompson

Date August 2, 2005

ACCEPTED FOR RECORD

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operation thereon.

Title

Office

AUG 10 2005

FARMINGTON FIELD OFFICE
BY *JB*

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMCCD

FRACTURE TREATMENT REPORT

Operator: Great Western Drilling Co. Well Name: Callow #1F
Date: 21-Jul-05
Field: Basin Dakota Location: 33/29N/13W County: San Juan State: NM
Stimulation Company: BJ Services Supervisor: Paul Thompson

Stage #: 1/1

Sand on location: Design: 120,000# Weight ticket: 121,280# Size/type: 20/40 Ottawa

Fluid on location : No. of Tanks: 4 Strap: 20 Amount: 2000 Usable: 1800

Perforations:

Depth: 6174 - 6408 Total Holes: 40 PBD: 6446' KB
Shots per foot: 1 spf EHD: 0.34"

Breakdown:

Acid: 3000 gal of 7-1/2% HCl
Balls: 60 7/8" 1.3 sp.gv
Pressure: 100 - 1140 psi Rate: 7
Formation broke at 2400 psi
Good ball action. Pressures dropped 375 psi
as the acid hit formation.
Recovered 64 balls with 33 hits.

Stimulation:

ATP: 2650 psi AIR: 45.5 BPM
MTP: 3150 psi MIR: 46.1 BPM

	Sand Stage	Pressure	Rate	BHFP
ISIP: 1335	pad	2779	45.5	3860
5 min: 1045	1 ppg	2675	45.5	3911
10 min: 830	2 ppg	2533	45.7	3906
15 min: 697	3 ppg	2531	45.7	4036
	4 ppg	2651	46.1	4277

Job Complete at: 1315 hrs. Date: 7/21/2005 Start flow back: 1600 hrs
on a vacuum
Total Fluid Pumped: 1352 bbls
Total Sand Pumped: 120,000# Total Sand on Formation: 120,000#
Total Nitrogen Pumped: None

Notes:

All frac fluid was Farmington City water with 2% KCl, biocide, and 20#/1000 gal guar gel (Lightning 20), borate crosslinker, surfactant, pH buffers, enzyme and encapsulated breakers. Nolte plot was slightly positive throughout the job. The frac gradient based on the ISIP was 0.65 psi/ft. Installed the flow back manifold and opened the well to the flow back tank at 1600 hrs 7/7/05. Well was on a vacuum. SI well.