

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 reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	7. If Unit or CA, Agreement Designation
2. Name of Operator J. K. EDWARDS ASSOCIATES, INC. 011307	8. Well Name and No. Hard Deal #2J
3. Address and Telephone No. c/o Walsh Engr. & Prod. Corp. 7415 E. Main Farmington, New Mexico 87402 505 327-4892	9. API Well No. 30-045-22283
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Unit H, 1630'FNL & 950'FEL Section 18, T26N, R12W	10. Field and Pool, or Exploratory Area PC & Basin FR Coal
	11. County or Parish, State San Juan County, N.M.

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other See Below
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> 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.)\*

SEE ATTACHED FRACTURE TREATMENT

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

Signed Paul C. Thompson

Title Paul C. Thompson, Agent

Date

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

NMOCD

FARMINGTON DISTRICT OFFICE

# FRACTURE TREATMENT

Formation PC & Basin Stage No. 1  
Fruitland Coal

Date 12/5/94

Operator J. K. Edwards Associates Lease and Well Hard Deal #2J

Correlation Log Type CCL/GR From 1108 To 950  
PC 1161 1060

Temporary Bridge Plug Type \_\_\_\_\_ Set At \_\_\_\_\_

Perforations 1108'-1118' and 1125'-1132 (PC Perfs Frac)  
1086'-1104' (FR COAL)  
2 Per foot type 36 (0.32")

Pad 7000 gallons. Additives 70% quality  
nitrogen foam. All fluid contained 20#/1000 gallon linear  
gel, bactericide, foamer, ph buffer and enzyme breaker.

Water \_\_\_\_\_ gallons. Additives \_\_\_\_\_

Sand 5000 lbs. 40/70 at 0.5-1 ppg  
28000 lbs. 20/40 at 1-2.5 ppg  
8000 lbs. 12/20 at 2.5 ppg

Flush \_\_\_\_\_ gallons. Additives \_\_\_\_\_

Breakdown \_\_\_\_\_ psig

Ave. Treating Pressure 1400 psig

Max. Treating Pressure 1630 psig

Ave. Injecton Rate 32 BPM

Hydraulic Horsepower \_\_\_\_\_ HHP

Instantaneous SIP 730 psig

5 Minute SIP 640 psig

10 Minute SIP 600 psig

15 Minute SIP 570 psig

Ball Drops: \_\_\_\_\_ Balls at \_\_\_\_\_ gallons \_\_\_\_\_ psig  
 \_\_\_\_\_ Balls at \_\_\_\_\_ gallons \_\_\_\_\_ psig  
 \_\_\_\_\_ Balls at \_\_\_\_\_ gallons \_\_\_\_\_ psig

Remarks: Total nitrogen - 193,000 SCF. Total fluid 211 bbls.

**Walsh** ENGINEERING & PRODUCTION CORP.