

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	5. Lease Designation and Serial No. <b>NMSF-080008</b>
2. Name of Operator <b>J.K. EDWARDS ASSOCIATES, INC. OGRID# 011307</b>	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. <b>303/298-1400</b> <b>1401-17TH STREET, SUITE 1400, DENVER, CO 80202</b>	7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>1750' FSL, 790' FEL SEC 8, T26N - R12W</b>	8. Well Name and No. <b>FRONTIER A #1</b>
	9. API Well No. <b>30-045-05919</b>
	10. Field and Pool, or Exploratory Area <b>GALLEGOS GALLUP</b>
	11. County or Parish, State <b>SAN JUAN, NM</b>

12. CHECK APPROPRIATE BOX(S) 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"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input checked="" type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Other _____	<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.)\*

ATTACHED PLEASE FIND J.K. EDWARDS ASSOCIATES, INC.'S "COMPLETION PROGNOSIS" FOR THE SUBJECT WELL - OUR DETAILED PROCEDURES TO CONVERT THE SUBJECT WELL TO INJECTION.

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

Signed

*J. Keith Edwards*

Title

**J. KEITH EDWARDS, PRES.**

Date

**10/24/95**

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

**APPROVED**

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 Instruction on Reverse Side

N14000

OCT 30 1995  
DISTRICT MANAGER

**COMPLETION PROGNOSIS FOR  
J. K. EDWARDS ASSOCIATES, INC.  
FRONTIER A NO. 1**

Location: SE/4 Section 8 T26N R12W  
San Juan County, New Mexico      Date:      September 21, 1995

Field:      Basin Dakota      Elev:      KB 5999'  
Elev:      GL 5989'

Surface:      BLM      5-1/2"      @ 5101'

Minerals:      BLM NM 16470      PBTD      @ 5100'

**Procedure:**

1. Level location, dig reserve pit, and install anchors.
2. MOL and RU completion rig. Hold safety meeting. Blow well down and kill with water, if necessary.
3. Pull polished rod and unseat pump. Pump hot water down tubing. Pull and lay down rods and pump. ND tubing head and NU BOP. NU 2-3/8" relief line.
4. TOH and lay down 166 joints of 2-3/8" tubing (5100').
5. Set cast iron bridge plug, spot 5 sx of neat cement, pressure test to 2,000 lbs.
6. Circulate hole clean and spot 150 gallons of 7-1/2% HCl across Point Lookout. TOH.
7. Rig up wireline and run "CET" bond logs across the intermediate casing interval under static and 500# pressure. If bond log is satisfactory, perforate Point Lookout at 4 SPF.
8. Pick up 7-5/8" x 2-3/8" packer on 2-3/8" tubing and TIH. Set packer 50' above the top Point Lookout, perf and swab test the Point Lookout. TOH.
9. Run 7-5/8" x 2-3/8" packer on enough 2-3/8" tubing, then 2-7/8" to surface. Set packer at approximately 3500'. Rig up frac valve on 2-7/8" tubing and fracture the Point Lookout 50,000# of 20/40 sand in a 30# guar gel. Pump rate at 20 BPM and expected treating pressure is 2500 psig. Max treating pressure is 3500 psig. Treat with the following schedule:

Stage	Gel Vol. (Gals.)	Sand Vol. (Lbs.)
Pad	10,000	0
1.0 ppg 20/40	5,000	5,000
2.0 ppg 20/40	15,000	30,000
3.0 ppg 12/20	5,000	15,000
Flush	1,420	0
<b>Total</b>	36,420	50,000

COMPLETION PROGNOSIS FOR  
J. K. EDWARDS ASSOCIATES, INC.  
FRONTIER A NO. 1 (continued)

10. Close frac valve. RD frac company and install flowline with 1/4" ceramic choke. Flow well back to pit overnight.
11. When well dies, remove frac valve, release packer, and TOH.
12. NU tubing head. TIH and clean out sand with sand bailers on and 2-3/8" tubing, and clean out to PBTD. TOH.
13. Pick up 7-5/8" x 2-3/8" plastic lined packer on 2-3/8" plastic lined tubing and set packer at approximately 3658'. Circulate corrosion inhibitor into casing annulus before setting packer.
14. Rig down and release rig. Install injection pump and facilities.
15. Run step rate injection test and casing integrity test.

WELL NAME: FRONTIER A NO. 1

LOCATION: 1750' FSL, 790' FEL, Sec. 8, T26N, R12W  
COUNTY: San Juan STATE: New Mexico  
LEASE: SF-080008 TYPE: Federal SURFACE:  
OPERATOR: BK PETROLEUM, INC.

**SURFACE CASING:**

HOLE SIZE: 12-1/4"  
CASING: 10-3/4"  
CSA: 173'  
CEMENT: 150 SX 3% CACL  
CIRC TO SURFACE

GLE - 5989'  
KBE - 5999'  
KBM - 10'

**FORMATION TOPS:**

FRUITLAND: 917'  
PICT CLIFFS: 1137'  
LEWIS: 1453'  
CLIFFHOUSE 2025'  
MENESEE:  
POINT LOOKOUT: 3708  
MANCOS: 3922'  
UPPER GALLUP: 4760

**WELL DATA:**

SPUD DATE: 8/08/57  
ORIGINAL OWNER: EPNG/BED  
IP: 1044 MCFD  
ZONE: LOWER GALLUP  
COMPL: SWF 40,000# SAND  
WI: 100% NRI:  
TUBING: 2-3/8"  
ROD STRING: 3/4"  
PUMP SIZE: 2 X 1-1/2"  
PUMP JACK:  
SPM: SL:

TOP CEMENT: 2225'  
TEMP SURVEY

**PERFORATIONS:**

**INTERMEDIATE CSG:**

HOLE SIZE: 9-7/8"  
SIZE: 7-5/8"  
WT & GR: 25.4# J-55  
CSA: 3930'  
DEPTH: 3940'  
CEMENT: 100 SX REG  
100 SX POZ  
50 SX NEAT

4897'-4933' 2JSPE  
4995'-5025' 2JSPE

3940'

**LINER:**

HOLE SIZE: 6-3/4"  
SIZE: 5-1/2"  
WT & GR: 15.5#  
LSA: (1233') 3870'-5106'  
TD: 5100'

CEMENT: 150 SX REG, 150 SX POZ

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