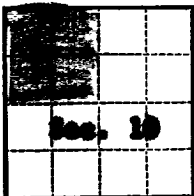


(SUBMIT IN TRIPLICATE)

Indian Agency

Bulco, New Mexico



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allottee **Jicarilla**

Lease No. **No. 157**

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

**December 11,** 19 **63**

Well No. **4** is located **790** ft. from **[N]** line and **790** ft. from **[W]** line of sec. **10**

**NE/4 Section 10** **23 North** **1 East** **WME**  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

**So Blanco NE** **Rio Arriba** **New Mexico**  
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~ground~~ floor above sea level is **7252** ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Run Bond and Correlation log. Perforated 3030-21 with 4 holes. Spacers cemented 3030-21 with 100 sacks. Maximum pressure 10000'. Drilled out cement to 3030'. Perforated Pictured Cliffs 3030-20 and 3034-34 with one hole per foot. Frac treated with 20,000' 20-40 sand and 20,000 gallons water. Breakdown pressure 1000 psi. Treating pressure 1000 psi. Shipped 10 balls and pressure increased to 2300 psi. Instant shut-in 400. Injection rate 41 BPM. Run 1 1/4" tubing to 3030 feet instead of 3030' as shown on final completion reports.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **Shaw-Alon Oil Company**

Address **1402 Denver U. S. National Center**

**Denver, Colorado**

By **Richard S. Hunt**  
Title **Mgr. of Lands & Explorations**