



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office **Santa Fe, N.M.**  
Lease No. **87 078064**  
Unit **Carson**

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 RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING 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	<b>Subsequent report of completion</b>	<b>X</b>

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

April 10, 1957

**Carson Unit**  
Well No. **43-13** is located **1980** ft. from **NE** line and **680** ft. from **E** line of sec. **13**  
**NE SE 13** **25N** **12W** **RPM**  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
**Bloti Bkt.** **San Juan** **New Mexico**  
(Field) (County or Subdivision) (State or Territory)

**Kelly Rushing**  
The elevation of the ~~datum~~ above sea level is **6408** 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)

1-26-57 **Run 184 joints (5022') 4-1/2", 14.98#/ft drill pipe as casing cemented to at 5033 with 200 sacks construction cement. Finished 9:45 P.M. 1-26-57.**  
1-28-57 **Pressure tested with 1500 psi, O.K.**

3-5-57 **Run Gamma Ray log with collar locator. Perforated four 1/2" jets/ft 4889-4897, 4900-4914, 4922-4927, 4972-4982, and 4990-4994.**

3-11-57 **Fracture Treatment #1 Broke down formation with 110 bbls crude oil at 3000 psi. Injected 14,775 gal crude oil with 2# sand/gal. Injected 54 rubber balls, pressure before rubber balls were injected 3150 psi, 4 minutes after 3300 psi, 6 min after 3100 psi. Injected 15,775 gal (with 30 millieuries of Iridium #192) with 2# sand/gal. Maximum pressure 3300 psi, minimum pressure 3100 psi, average injection rate 33 bbl/min.**

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

Company **Shell Oil Company**

Address **108 North Behrend Avenue**

**Farmington, New Mexico**

By **B. W. Shepard**  
Title **Exploitation Engineer**

3-11-57 - Continued

Displaced and overflushed with 193 bbls crude oil. Shut in pressure 800 psi after 7 min. Total load and free oil to recover 1104 bbls.

3-20-57 Shuffled 2 hrs, 30 bbls, flowed 22 hrs, 489 bbls gross, 489 bbls oil, (531 R/D rate) out 0.2%.

3-21-57 Flowed 24 hrs, 476 bbls gross, 476 bbls oil, out 0.1%, 64/64" beam no gas measurement, TP 100.

3-22-57 Flowed 4 hrs, 61 bbls gross, 61 bbls oil (366 R/D rate), out 0.2%, 64/64" beam. No gas measurement. (Have recovered all load and free oil plus 52 bbls formation oil.)

3-23-57 Flowed 24 hrs, 463 bbls gross, 463 bbls oil, 0.2% out, 64/64" beam 238 MCF/D, 510 GOR, TP 80, CP 440.

REPRESENTATIVE INITIAL PRODUCTION (3-30-57)

Flowing 219 R/D gross, 219 R/D oil, out 0.1%, 64/64" beam, 164 MCF/D, GOR 750, TP 60-80, CP 400, Completed 3-23-57.

