



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office **Santa Fe**Lease No. **57-078562**

Unit _____

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	Frac X
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		

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

7-19

19 60

LARGO SFU

Well No. **#3** is located **1070** ft. from **{N}** line and **810** ft. from **{E}** line of sec. **19****NE/4 NE/4 Sec. 19****T24N****R6W****11M N**

(1/4 Sec. and Sec. No.)

(Twp.)

(Range)

(Meridian)

Devile Fork**Rio Arriba****New Mexico**

(Field)

(County or Subdivision)

(State or Territory)

The elevation of the derrick floor above sea level is **6782** ft.

DETAILS OF WORK

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

PSID 6,742' - ran correlation log. Perf. w/4 Western stinger jets/ft 6620-06, 6580-66, 6514-04 - 44 pressured well to 4,400# - unable to break frm. down - run tbg. - spotted 200 gals of 15% HCL - soaked frm. broke down w/4,000# - broke to 3,200# w/I.R. 28/M standing press 2,600#. Pulled tbg. - frac Dakota w/20,000 gal water, 20,000# #40-60 3 twin Western frac masters I.F. 3900 MIN, 3800 Max, 4000 Ave, 3950. Final 4000. Initial Shut In 3600. 10 min Shut In 3,100 - Ave. I.R. 22.5 B/M. Set Baker Mag. B.P. 45630 - Perf. w/4 Western stinger jets/ft 6620-06, 6580-66, 6514-04 - rigged up to frac - Inj. 2 B/M 4000#. Shut down & bleed press - able to pump in 3 B/M 4200#. Pumped in 200 gal of 15% HCL down csg. - pumped acid to frm @ 4200. When acid hit press broke to 3000. Started frac - frac w/20,000 gal water 8000# 40-60 sd. 16,000# 20-40 I.F. press 4000 - Max 4400 Ave 4200, Final 4400 Ave I.R. 18.2 B/M - Initial Shut In 3600 10 min. Shut In 3200.

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

Company **Redfern & Herd Inc.**Address **Box 1747****Midland, Texas**By **Original signed by T. A. Dugan**Title **Consulting Engineer**