



(SUBMIT IN TRIPLICATE)

 UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY

 Land Office **Santa Fe**
SF 077317
 Lease No. _____
 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	
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	Completion	XX

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

December 12, 19**60**

Cooper
Well No. **1** is located **990** ft. from **NE** line and **1450** ft. from **NE** line of sec. **7**

SE/4 SW/4 Sec **7** **T 29 N** **R 11 W** **MMPM**
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Undesignated **San Juan** **New Mexico**
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above ~~ground~~ **ground** level is **5660** ft.

DETAILS OF WORK

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

Perf w/Western 4 Stinger jets/ft 6504-6471. Rigged up Western - pressured csg to 3600 - hold press 2 min - press broke back to 1000# - check Bratenhead holding OK - pumped into well - taking frac at 2000# - started frac used Western 6 frac masters 30,000# 20-40 sd, 33,000 gal gal water IF 2400 Min 2100 Ave 2200 Final 2100 Instant shut in 1000# Ave IF 48.7 B/M Set Baker Mag Bridge plug at 6455 - well still flowing back - Set second bridge plug at 6438 - well still flowing back - located hole in csg between 3584 and 3592 - Ran Baker full bore packer set # 3476 - squeezed hole with 100 sx neat w/2% Cacl - Max press 1000 - cleared hole - WOC. Squeezed hole second time with 100 sx 2% Cacl - Sq press 4200# but would not hold - cleared hole - squeezed hole third time with 50 cu ft cement 1 1/2 dianix A # Tuff plug per sx - sq press 4000# held OK - reversed out trace of cement. Perf w/Western 4 stinger jets per ft 6438-32, 6408-02, 6396-62, 6301-6280. Ran Baker casing scraper to 6500' Ran Baker KBGJ Packer and retrievable bridge plug - straddled perf 6471-6504 spotted (over)

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

Company **Redfern & Hord, Inc.**Address **1007 N. Dustin****Farmington, New Mexico**

By _____

Title **Consulting Engineer**

100 gal acid on perf broke down at 3000 pump into fm at 2100# - straddled
perf 6432-38 Broke down at 2500# pump in at 2500#. Straddled perf 6362-6406 -
spotted 150 gal acid - broke down at 1600 - pumped in at 1700. Straddled perf
6220-6301 - spotted 100 gal acid Broke down at 2000 pumped in at 1700 - Pulled
packer & retrievable bridge plug. Went in hole open ended w/Baker EBCJ Packer -
set packer at 5430' with tbg at 5586. Frac Dakota through tbg using two Western
Frac Master pump trucks 57,000# 20-40 ad 57,000 gal water Mixed with 40# F-4 fluid
loss additive per 1000 gal and 10# J-5 gelling agent per 1000 gal - IP 4200 broke
to 3700 Min 3700 Max 4500 Ave 4300 Final 4400 Instant shut in 3400 10 min shut in
1800 Overall IR 9.2 b/M.

Landed tbg 209 jts 2-3/8" OD 4.6# J-55 10R non-upset CP&I tbg TE 6381.98 set
6393 RLB with BakerEBCJ Packer set at 6235 RLB.