



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office **Santa Fe**
Lease No. **078099**
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	

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

Fed.-Kutz

January 18

61

Well No. **1-23** is located **950** ft. from **N** line and **990** ft. from **E** line of sec. **23**

NE NE Sec. 23

T 27N R13W

NMFM

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

(Twp.)

(Range)

(Meridian)

Basin Dakota

San Juan County

New Mexico

(Field)

(County or Subdivision)

(State or Territory)

The elevation of the derrick floor above sea level is **5955** 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)

Drilled 12" hole to 241', Ran 8 5/8", J-55, 24# surface casing set @ 241' w/175 sz, 3% Calcium Chloride., complete returns. Drilled a 7 7/8" from under surface to T.D., Ran 1 1/2" & GMS log. DST 5984-6110 (Straddle Test). Rec. 1100' HQ-C M & W lower packer failed - no press. Ran 1 1/2" Jts. of 4 1/2", 11.6#, J-55 STC, casing landed at 6148', Cmt'd. w/200 sz. 1:1 Diamix w/3% gel. complete returns. Bumped plug w/96 BW and press. up to 1500 psi. VOC 24 hrs.

Perforating and Frac Detail: Perforated and fraced zones separately as follows:

(Continued on back of this page)

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

Company **Compass Exploration, Inc.**

Address **1645 Court Place**

Denver 2, Colorado

By *R. J. Farrelly*

Title **Chief Geologist**

1. Perf. zone 6098-6107 w/four jet shots per foot. Fraced with 25,300 gal gelled water and 12,500 lbs. 20-40 sd. Formation showed not visible break. Max treating pressure was 4100 psi at 18 RPM. Avg. rate was 26 RPM at 3600 psi. ISIP = 3200 psi. 40 min SIP = 1800 psi. Flushed with 120 BW.

Set Baker Drillable bridge plug at 6020'.

2. Perf. interval 5978'-6004' w/4 jet shots per foot. Fraced with 21,000 gal gelled water and 30,000 lbs. 20-40 sand. Max treating pressure = 3200 psi at 29 RPM. Avg. rate = 29 RPM at 2900 Psi. ISIP = 1000 psi. Flushed well w/120 BW.

Set drillable bridge plug at 5980'.

3. Perf. intervals 5914'-5936' and 5890'-5900' with 4 jet shots per foot. Fraced w/18,900 gal gelled water and 25,000 lbs 20-40 sand. Avg. rate was 26 RPM at 3000 psi. Flushed with 90 BW. ISIP = 1900 psi.

Tubing Detail:

Ran 189 jts. 2-3/8" NUE, J-55. 4.7# thg. and land same at 5998'. Ran pin collar on btm. jt.