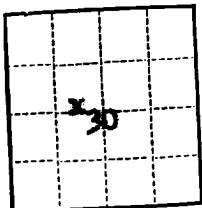


Form 9-831a
(Feb. 1961)

(SUBMIT IN TRIPLICATE)

Land Office Santa Fe
Lease No. 078977
Unit _____



30
N

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

RECEIVED	
FEB 12 1962	
U. S. GEOLOGICAL SURVEY FARMINGTON, NEW MEXICO	
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	Free Information

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

Well No. Federal 2-301 is located 2120 ft. from [N] line and 820 ft. from [E] line of sec. 30
30 North 13 West (Range) MON (Meridian)
Basin - Grants (County) San Juan (Division) New Mexico (State)
The elevation of the derrick floor above sea level is 5472 ft. 5458 G.L.

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)

Spotted 300 gal 7 1/2% HDA Acid - Pressure tested csg to 4000 psi - held O.Y.
Pulled Tbg - Man Lane Wells gamma ray correlation log perf 6014-6002 w/4 N.C.F.
2 jets per ft. PBD 6138 Frac w/Dowell - 4 Allison's 10,000# 20-40 sd 2 1/2#
J-100 friction reducing agent per 1000 gal on treatment. Load and breakdown
1400 gal water, frac w/14,300 gal flush w/7300 gal. Total fluid used 23,000
gal water. Breakdown: 3000 psi broke to 2600 psi I.F. 3400 psi Ave. 3100 psi
Min. 3000 psi Max 3400 psi Final 3400 psi. Instant shut in 2600 psi 10 min
shut in 2300 psi Ave. I.R. 29.7 D/M. Set Baker Mag Bridge Plug at 5950 Perf
w/Lane Wells 4 N.C.F. 2 jets per ft 5904-5891, 5896-5880, 5853-5849, Frac
w/Dowell 4 Allison's 30,000# 20-40 sd 45 rubber balls 2100 gal water load and
breakdown 43,500 gal water to frac w/2 1/2# J-100 per 1000 gal, 7500 gal water
to flush total fluid used 52,900 gal water breakdown 2100 psi broke to 1500 psi
(See reverse side)

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 101 University Boulevard
Denver 6, Colorado

Original signed by T. A. Dugan
By _____
Title Consulting Engineer

I.F. 2400 psi Ave. 2200 psi Min. 2000 psi Max. 2600 psi Final 2600 psi Instant shut in 1200 psi 5 min shut in 1100 psi Ave. I.R. 43.2 B/M - Made three drops of 15 balls each. First drop press. increased 2000 psi to 2050 psi Second drop pressure increased 2000 psi to 2250 psi Third drop pressure increased 2400 psi to 2500 psi. Set Baker Bag Bridge Plug at 5825 Perf 4 NCF 2 jets per ft 5776-5790 Frac w/Dowell 4 Allison's 29,200# 20-40 Sd 1300 gal water to breakdown, 31,900 gal water to frac w/2 1/2" j-100 per 1000 gal 6300 gal water to flush, Total fluid used 39,500 gal water. Breakdown 1400 psi I.F. 2600 frac at 2500 psi for 5 min - broke to 2200 psi Min 2200 psi Ave. 2300 psi Max 2600 psi Final 2200 psi Instant shut in 1200 psi 5 min shut in 1100 psi Ave. I.R. 44.5 B/M.