



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office New MexicoLease No. 010468Unit Howell "J"

## SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	<b>RECEIVED</b> <b>NOV 15 1961</b> <b>U. S. GEOLOGICAL SURVEY</b> <b>FARMINGTON, NEW MEXICO</b>
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	<u>Water Frac.</u>	<b>X</b>

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

11-13-1961

Well No. 4 is located 1500 ft. from N line and 850 ft. from E line of sec. 3.S.W. Section 3  
( $\frac{1}{4}$  Sec. and Sec. No.)30-N  
(Twp.)8-W  
(Range)N.M.P.M.  
(Meridian)Blanco Mesa Verde  
(Field)San Juan  
(County or Subdivision)New Mexico  
(State or Territory)The elevation of the derrick floor above sea level is 6210 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)

On 11-5-61 Total Depth 5421'. P.B.T.D. 5411'. Water frac Point Lookout perf intervals 5243-48; 5305-15; 5318-23; 5345-50; 5391-96; 5404-08; with 62,500 gal water, 60,000# sand. BDP 2200# max pr 2200#, avg tr pr 2100#, IR 60 BPM. Flush 8800 gallons. 6 stages - 5 drops of 20 balls.

On 11-5-61 Total Depth 5421'. Temporary Bridge Plug at 5100#. Water frac Cliff House perf intervals 4915-21; 4947-59; 4966-78; with 40,300 gal water, 40,000# sand. BDP 2500#, max pr 2500#, avg tr pr 2200-2300#, Injection rate 58 BPM. Flush 8700 gallons. 3 stages - 2 drops of 24 balls.

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

Company El Paso Natural Gas CompanyAddress Box 990Farmington, New MexicoBy Original Sign of J. W. NathanTitle Petroleum Engineer