

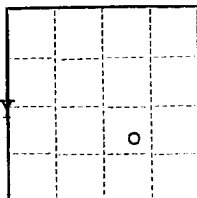
Form 9-331a  
(Feb. 1951)

(SUBMIT IN TRIPLICATE)

Land Office Santa FeLease No. SF 079296

Unit \_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



## 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 <del>WORKING OR ALTERING</del> <u>Frac</u>	<input checked="" type="checkbox"/>
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 <del>WORKING OR ALTERING</del> <u>Frac</u>	<input checked="" type="checkbox"/>	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)

August 18, 1955

Buttram Federal  
Well No. 19-4 is located 1650 ft. from SW line and 1800 ft. from E line of sec. 19

SE  $\frac{1}{4}$  Sec. 19  
( $\frac{1}{4}$  Sec. and Sec. No.)26N  
(Twp.)6W  
(Range)N.M.P.M.  
(Meridian)Dogie Canyon  
(Field)Rio Arriba  
(County or Subdivision)New Mexico  
(State or Territory)The elevation of the derrick floor above sea level is 6197 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)

Frac Workover #1 August 4-11, 1955.

Moved in cable tools, pulled 1" tubing, checked bottom with bailer, no cavings. Fraced well with 7600 gals of 38 gravity crude,  $1\frac{1}{2}$  #/gal, sand. Flushed with 80 barrels of crude. Pumped connection off of Howco Frac manifold. Approximate injection rate, 21 bbls/min with 2 Howco T-10 units. Fraced through  $5\frac{1}{2}$ " casing. Checked well for sand after frac, hole clean. Re-ran same 1" tubing, no change. Prod. before frac,  $\pm$  72 MCFD. After frac, over 220 MCFD.

Additional Information not on original form:  
Interval treated, 2374.68' to 2462' TD.

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

Company PUBCO DEVELOPMENT, INC.Address 107 West ChacoAztec, New MexicoBy N. E. Maxwell, Jr.Title Supt. Prod. Dept.

