Form 9-331a
(Feb. 1951)

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DIST. 3

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R358.4.
Approval expires 12-31-60.

Land Office Santa Fe
Lease No. NM 019410
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 ~~XXXXXXXXXXXXX~~ Frac | XX |
| 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)

Aztec, New Mexico December 17, 1963

Pubco Burlington Federal
Well No. 15-N is located 1018 ft. from ~~XXXXXXX~~ {N/S} line and 1800 ft. from ~~XXXXXXX~~ {E/W} line of sec. 15

SE¼SW¼ Section 15 (¼ Sec. and Sec. No.) 30 North (Twp.) 11 West (Range) N.M.P.M. (Meridian)

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

The elevation of the ~~derrick floor~~ Ground level above sea level is 5811 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)

12-13-63: Ran 213 Jts., 6894.25', KB, J-55, 5½", 15½# casing plus 1.30' shoe jt., 1.6 float collar, and 1.85' DV tool, total 6899'; cut off 18.88'; landed at 6880.12' KB; DV tool set at 2309.06'; ran 8 centralizers above float collar, 2 centralizer baskets below DV tool, 2 centralizers above DV tool.
Cemented first stage w/100 sax Class C cement, 4% gal, and 105 sax Class C cement, 2% gal; no cement returns during cementing.
Cemented second stage w/175 sax Class C cement, 40% Diacell, 12½#/sack Kolite, 4% CaCl. Good returns; 25 sax cement circulated to surface. Plug down at 3:30 P.M. 12-13-63. Tested to 2000#. Test OK.
12-16-63: Perforated w/4 jets/foot, 6796-6812, 6830-40; bridge plug set at 6790, perforated w/4 jets/foot, 6738-70; bridge plug set at 6700'; perforated w/4 jets/foot, 6660-82'. Tested to 3000#. Test OK.
Fraced first stage w/30,324 gals. water, 1% CaCl, 175# J111 slicking agent, 336 gals. breakdown acid, 16,000# 20-30 sand; flushed w/7476 gals. water, 1% CaCl; formation broke at 2000#; average treating pressure 2800#; maximum treating pressure, 3800#; average injection rate 36 BPM; instant s.i., 1800#; after 5 minutes, 1300#; formation screened out; bled off pressure and flushed.
Fraced second stage w/30,840 gals.water, 1% CaCl, 30,000# 20-40 sand, 336 gals. breakdown acid, 420# J-111 slicking agent; formation broke at 1750#; average treating pressure 3100#; maximum treating pressure 3825#; average injection rate, 40 BPM; instant s.i. pressure 1750#; after 5 minutes, 1000#; flushed with 8,190 gals. water, 1% CaCl.
Fraced third state w/40,152 gals water, 336 gals. breakdown acid, 220# J-111 slicking agent, 20,000# 20-40 sand; breakdown pressure 2300#; average treating pressure 3125#; maximum treating pressure 3400#; injection rate 38½ BPM; instant s.i. pressure [illegible]; 5 minute s.i. pressure 1400#; flushed w/[illegible]

DETAIL 5 1/4" = 1'-0"