



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Santa Fe
Lease No. 27-079063
Unit August

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	<input checked="" type="checkbox"/>	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)

Well No. 22-0 is located 660 ft. from N line and 660 ft. from E line of sec. 20
SW 1/4, Section 20 (1/4 Sec. and Sec. No.) 29N (Twp.) 13W (Range) N.M.P.M. (Meridian)
Dakota (Field) San Juan (County or Subdivision) New Mexico (State or Territory)

The elevation of the derrick floor above sea level is 5422 f (Ground Elevation)

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)

Propose To: Deepen well to a depth of approximately 6070 or through Dakota formation. Run 4 1/2" casing to total depth and cement with 270 cu. Set two-stage cement collar approximately 100 feet below the Pictured Cliffs formation and cement with 190 cu.

Perforate Dakota formation with four shots per foot. Sand-water frac with 80,000 gals water and 80,000 lbs. sand. Run 2 1/8" tubing.

West one-half, 320 acres, Section 20 dedicated to well.

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

Company Arco Oil and Gas Company

Address Drewes 570,
Farmington, New Mexico

ORIGINAL SIGNED BY JOE C. SALMON

By Joe C. Salmon
Title District Superintendent