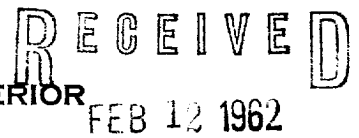




Grid for well location with handwritten '23' in the center.

DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY



U. S. GEOLOGICAL SURVEY FARMINGTON, NEW MEXICO

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Exploration Drilling Company Address 910 Petroleum Club Bldg., Denver, Colo. Lessor or Tract Navajo Tribe Field Undesignated State New Mexico Well No. 11 Sec 23 T12N R. 18W Meridian N70W County San Juan Location 830 ft. S. of N. Line and 1650 ft. E. of W. Line of Section 23 Elevation 4200

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records. Signed L. S. L. L.

Date February 7, 1962 Title Exploration Manager

The summary on this page is for the condition of the well at above date.

Commenced drilling January 24, 1962 Finished drilling January 28, 1962

OIL OR GAS SANDS OR ZONES (Denote gas by G)

No. 1, from 1478 to 1494 No. 2, from to No. 3, from to No. 4, from to No. 5, from to No. 6, from to

IMPORTANT WATER SANDS

No. 1, from to No. 2, from to No. 3, from to No. 4, from to

CASING RECORD

Table with columns: Size casing, Weight per foot, Threads per inch, Make, Amount, Kind of shoe, Cut and pulled from, Perforated (From-To), Purpose. Includes handwritten entries for 7 1/2 and 4 1/2 inch casings.

MUDDING AND CEMENTING RECORD

Table with columns: Size casing, Where set, Number sacks of cement, Method used, Mud gravity, Amount of mud used. Includes handwritten entries for 7 1/2 and 4 1/2 inch casings.

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set Adapters—Material Size

SHOOTING RECORD

Table with columns: Size, Shell used, Explosive used, Quantity, Date, Depth shot, Depth cleaned out.

TOOLS USED

Rotary tools were used from surface feet to 1438 feet, and from feet to feet Cable tools were used from feet to feet, and from feet to feet

DATES

Put to producing February 5, 1962 The production for the first 24 hours was 87 barrels of fluid of which 62% was oil; 87% emulsion; % water; and % sediment. Gravity, °Bé. 100 If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas 37.4 Rock pressure, lbs. per sq. in. 2000 (calculated)

EMPLOYEES

Carl Harmon, Driller; Louis Reeves, Driller; G. L. Yeat, Driller

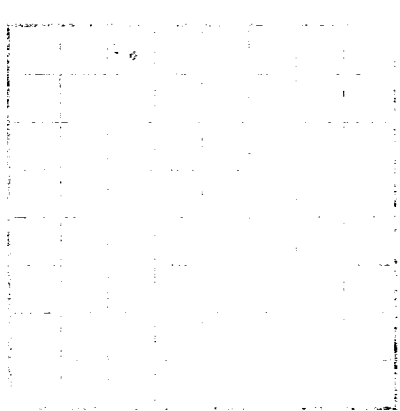
FORMATION RECORD

Table with columns: FROM, TO, TOTAL FEET, FORMATION. Includes handwritten entries for surface, 15, 1285, 1378, 1378, 1395 and detailed geological descriptions for each interval.



U.S. GEOLOGICAL SURVEY
DEPARTMENT OF THE INTERIOR

DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY



LOG ON OIL OR GAS WELL

HISTORY OF OIL OR GAS WELL
16-5094-2 U.S. GOVERNMENT PRINTING OFFICE

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of reworking, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

FROM-	TO-	TOTAL FEET	FORMATION
1395	1430	35	Carrizo, shale, dry, gray to blk, sil
1430	1470	40	Carrizo, shale, dry, gray to blk, sil Incorporated with blk shale 1415-1423
Total depth	1470	75	Carrizo, shale, dry, gray to blk, sil Incorporated with blk shale 1415-1423