

A 10x10 grid with a dot at (2, 8) and the number 23 at (5, 5).

U. S. LAND OFFICE **San Juan, P. M.**
SERIAL NUMBER **SP 078421**
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Southern Union Gas Company Address 1001 Bart Bldg., Dallas, Texas
 Lessor or Tract Moham Field Ballard P. C. State New Mexico
 Well No. 5 Sec. 23 T. 26N R. 8W Meridian N.M.P.N. County San Juan
 Location 1100 ft. N. of N Line and 1650 ft. E. of W Line of Section 23 Elevation 6372
 (Derrick floor relative to sea level)

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 J. L. Mays

Date December 23, 1957

Title Exploration Engineer

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

Commenced drilling 8-28, 1957 Finished drilling 9-20, 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2149 to 2270 (a) No. 4, from to
No. 2, from to No. 5, from
No. 3, from to No. 6, from

IMPORTANT WATER SANDS

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

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
3-1/8	CL	80	Full flow		
3-1/2	CL	100	Full flow		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

[illegible]

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
Perforated 2 1/2" - 270 - fraced with 95,000 gals. water, 100,000# sand & 510 rubber ba						

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

-----~~9-5-~~-----, 19~~57~~-----

The production for the first 24 hours was ----- barrels of fluid of which -----% was oil; -----% emulsion; -----% water; and -----% sediment. Gravity, °Bé. -----

If gas well, cu. ft. per 24 hours ~~1236-107~~ ----- Gallons gasoline per 1,000 cu. ft. of gas -----

Rock pressure, lbs. per sq. in. ~~660.4/73~~ 660.4

EMPLOYEES

~~Brown-Martin-Greer Drilling Co.~~ Driller ~~C. B. Gaffey~~, Driller

_____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
-0-	2985 TD	2985	Sand & shale TOPS: Pictured Cliffs 2143'

TOP: Pictured cliffs 2143'

[LOVER]

16-43094-4

FORMATION RECORD—CONTINUED

INVESTIGATION OF PROSPECT TO PROSECUTE
SERIAL NUMBER 00000000
U.S. DEPT. OF JUSTICE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOAD & WELL CORRECTLY

[illegible]

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.

L. A. Munnick
Treasurer

Location _____ of _____ line and _____ ft. _____ of _____ line of _____ ft. _____ ft. _____
Well No. _____ Sec. _____ T. _____ R. _____ S. _____ N. _____ E. _____
Lessor or Trust _____
Company _____

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

Continued on following page

FILE OR GAS BANDS OR ZONES

[illegible]

СОМАС МЕТАЛУ ТИАТРОЧНИ

20. 1. 1964
 20. 1. 1964

GROUP OF DEAD

[illegible]

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, 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 "shot", "blacked", or left in the well, give size and location. If the well has been dynamited, give date, size, position, and number of shots. If piers or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

HISTORY OF OIL OR GAS WELL

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

[illegible]

FORMATION RECORD—Continued