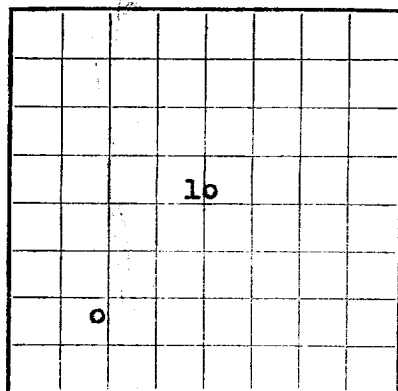


U. S. LAND OFFICE Santa FeSERIAL NUMBER SF-080724-A

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Southern Union Gas Company Address 1434 Fidelity Union Tower Bldg.
Lessor or Tract Zachry Field Angels Peak Dakota State New Mexico
Well No. 14 Sec. 10 T. 28N R. 10W Meridian N.M.P.M. County San Juan
Location 1100 ft. N of Top line and 1170 ft. E of W Line of Section 10 Elevation 5811'
(Denote 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. Original Signed By

Signed P. J. CLOTEDate November 29, 1960

Paul J. Clote

Title Mgr. Drilling and Production

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

Commenced drilling September 30, 1960 Finished drilling October 19, 1960

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 6354 to 6382' (G) No. 4, from _____ to _____
No. 2, from 6434 to 6480' No. 5, from _____ to _____
No. 3, from 6540 to 6570' No. 6, from _____ to _____

IMPORTANT WATER SANDS

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

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
9-5/8	32.30#	8	8-10	285'					
4-1/2	9.5#	8	8-10	649'					
1-1/2	2.75#	8	J-55	8401.08					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8	255 RKB	225	Halliburton		Surface Production
4-1/2	6630 RKB	325 SXS MV - 380 SXS KD			

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
Perf. 6540-6570'	fraced w/24,000# sand, and 520 bbls. water.	IR-40 BPM	Perf. 6354-6382', 6434-6480'	fraced w/70,000# sand and 1600 bbls. water.	IR-50 BPM	
Dropped 230 rubber balls.						

TOOLS USED

Rotary tools were used from -0- feet to 6630' feet, and from _____ feet to _____ feet

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

DATES

October 31, 1960, 19 _____ Put to producing _____, 19 _____

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 9,398 MCFD Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 2051#, SICP 2081#

EMPLOYEES

Fleeger Drilling, Driller R. W. Logan, DrillerFred Dennison, Driller W. H. Echols, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
-0-	6630 TD	6630	Sand and shale
			TOPS:
			Pictured Cliffs 1983'
			Cliff House 3560'
			Point Lookout 4325'
			Mancos 4630'
			Gallup 5493'
			Green Horn 6250'
			Dakota 6355'

ECU

FOR MARK

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

[illegible][illegible]

CYRILIC RECORD

NO. 3 FLOW	NO. 4 FLOW
NO. 1 FLOW	NO. 8 FLOW

IMPORTANT WATER SAVING

№ 3' ПОИ	25.10	10	25.10.1	№ 6' ПОИ	20
№ 5' ПОИ	01.09	10	01.09.1	№ 2' ПОИ	10
№ 1' ПОИ	23.08	10	23.08.1 (2)	№ 4' ПОИ	20

OIL OR GAS SANDS OR ZONES

Commenced shipping	Completed shipping
September 30, 1955	September 30, 1955

The summary on this page is for the condition of the work as of 04/04/2017.

DATE: February 24, 1960 TIME: 10:00 AM OFFICE: Room 3100

5. The following information is provided for the year ended 31/12/2019:

THE INFORMATION SET ON THIS PAGE IS A CONTINUATION OF THE INFORMATION SET ON THE PREVIOUS PAGE

FROM: [REDACTED] TO: [REDACTED] SUBJECT: [REDACTED]

14-00000

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED
DATE 08-28-2001 BY 60322 UCBAW

12. Explain the difference between the following two functions:

FOODLE MEET C. H. B. DITA

[illegible]

LOG OF OIL OR GAS WELL

GEOLOGICAL ZONALITY

DEVELOPMENT OF THE INTERIOR

UNFILED 214-ES

LETTER OF BENJAMIN TO JOSEPH

RESULTS / DISCUSSION OF FINDINGS

CONFIDENTIAL - EYES ONLY