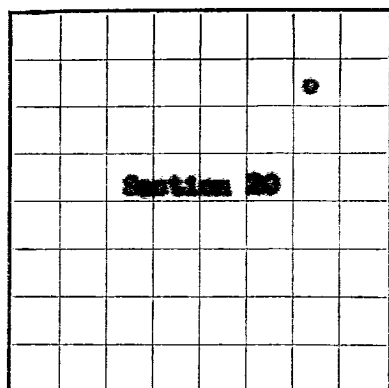


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER SP 076511
LEASE OR PERMIT TO PROSPECT _____



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company SOUTHERN UNION GAS COMPANY Address 1001 BENT BLVD., DALLAS, TEXAS
Lessor or Tract Grinn Field Blanco State New Mexico
Well No. 6 Sec. 20 T. 31N R. 8W Meridian N.M.P.M. County San Juan
Location 990 ft. N. of E. Line and 990 ft. E. of S. Line of Section 20 Elevation 6543
Feet

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 A. M. Wiederkehr
A. M. Wiederkehr

Date November 15, 1956 Title Mr. Colonization Test.

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

Commenced drilling _____, 19____ Finished drilling 10-10, 1956

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

No. 1, from 5310 to 5336 (0) No. 4, from 5336 to 5362 (0)
 No. 2, from 5450 to 5612 (0) No. 5, from 5612 to 5638 (0)
 No. 3, from 5706 to 5730 (0) No. 6, from 5730 to 5754 (0)

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
10-3/4	212' K2	150	Halliburton		
7-5/8	350' K2	150	Halliburton		
5-1/2	583' K2	190	Halliburton		

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

Job #1 - Perforated 5706-5750, 5800-5850, 5900-5950, 5950-5990, 5990-5995, 5995-5999, 5999-6000, 6000-6005, 6005-6010, 6010-6015, 6015-6020, 6020-6025, 6025-6030, 6030-6035, 6035-6040, 6040-6045, 6045-6050, 6050-6055, 6055-6060, 6060-6065, 6065-6070, 6070-6075, 6075-6080, 6080-6085, 6085-6090, 6090-6095, 6095-6100, 6100-6105, 6105-6110, 6110-6115, 6115-6120, 6120-6125, 6125-6130, 6130-6135, 6135-6140, 6140-6145, 6145-6150, 6150-6155, 6155-6160, 6160-6165, 6165-6170, 6170-6175, 6175-6180, 6180-6185, 6185-6190, 6190-6195, 6195-6200, 6200-6205, 6205-6210, 6210-6215, 6215-6220, 6220-6225, 6225-6230, 6230-6235, 6235-6240, 6240-6245, 6245-6250, 6250-6255, 6255-6260, 6260-6265, 6265-6270, 6270-6275, 6275-6280, 6280-6285, 6285-6290, 6290-6295, 6295-6300, 6300-6305, 6305-6310, 6310-6315, 6315-6320, 6320-6325, 6325-6330, 6330-6335, 6335-6340, 6340-6345, 6345-6350, 6350-6355, 6355-6360, 6360-6365, 6365-6370, 6370-6375, 6375-6380, 6380-6385, 6385-6390, 6390-6395, 6395-6400, 6400-6405, 6405-6410, 6410-6415, 6415-6420, 6420-6425, 6425-6430, 6430-6435, 6435-6440, 6440-6445, 6445-6450, 6450-6455, 6455-6460, 6460-6465, 6465-6470, 6470-6475, 6475-6480, 6480-6485, 6485-6490, 6490-6495, 6495-6500, 6500-6505, 6505-6510, 6510-6515, 6515-6520, 6520-6525, 6525-6530, 6530-6535, 6535-6540, 6540-6545, 6545-6550, 6550-6555, 6555-6560, 6560-6565, 6565-6570, 6570-6575, 6575-6580, 6580-6585, 6585-6590, 6590-6595, 6595-6600, 6600-6605, 6605-6610, 6610-6615, 6615-6620, 6620-6625, 6625-6630, 6630-6635, 6635-6640, 6640-6645, 6645-6650, 6650-6655, 6655-6660, 6660-6665, 6665-6670, 6670-6675, 6675-6680, 6680-6685, 6685-6690, 6690-6695, 6695-6700, 6700-6705, 6705-6710, 6710-6715, 6715-6720, 6720-6725, 6725-6730, 6730-6735, 6735-6740, 6740-6745, 6745-6750, 6750-6755, 6755-6760, 6760-6765, 6765-6770, 6770-6775, 6775-6780, 6780-6785, 6785-6790, 6790-6795, 6795-6800, 6800-6805, 6805-6810, 6810-6815, 6815-6820, 6820-6825, 6825-6830, 6830-6835, 6835-6840, 6840-6845, 6845-6850, 6850-6855, 6855-6860, 6860-6865, 6865-6870, 6870-6875, 6875-6880, 6880-6885, 6885-6890, 6890-6895, 6895-6900, 6900-6905, 6905-6910, 6910-6915, 6915-6920, 6920-6925, 6925-6930, 6930-6935, 6935-6940, 6940-6945, 6945-6950, 6950-6955, 6955-6960, 6960-6965, 6965-6970, 6970-6975, 6975-6980, 6980-6985, 6985-6990, 6990-6995, 6995-7000, 7000-7005, 7005-7010, 7010-7015, 7015-7020, 7020-7025, 7025-7030, 7030-7035, 7035-7040, 7040-7045, 7045-7050, 7050-7055, 7055-7060, 7060-7065, 7065-7070, 7070-7075, 7075-7080, 7080-7085, 7085-7090, 7090-7095, 7095-7100, 7100-7105, 7105-7110, 7110-7115, 7115-7120, 7120-7125, 7125-7130, 7130-7135, 7135-7140, 7140-7145, 7145-7150, 7150-7155, 7155-7160, 7160-7165, 7165-7170, 7170-7175, 7175-7180, 7180-7185, 7185-7190, 7190-7195, 7195-7200, 7200-7205, 7205-7210, 7210-7215, 7215-7220, 7220-7225, 7225-7230, 7230-7235, 7235-7240, 7240-7245, 7245-7250, 7250-7255, 7255-7260, 7260-7265, 7265-7270, 7270-7275, 7275-7280, 7280-7285, 7285-7290, 7290-7295, 7295-7300, 7300-7305, 7305-7310, 7310-7315, 7315-7320, 7320-7325, 7325-7330, 7330-7335, 7335-7340, 7340-7345, 7345-7350, 7350-7355, 7355-7360, 7360-7365, 7365-7370, 7370-7375, 7375-7380, 7380-7385, 7385-7390, 7390-7395, 7395-7400, 7400-7405, 7405-7410, 7410-7415, 7415-7420, 7420-7425, 7425-7430, 7430-7435, 7435-7440, 7440-7445, 7445-7450, 7450-7455, 7455-7460, 7460-7465, 7465-7470, 7470-7475, 7475-7480, 7480-7485, 7485-7490, 7490-7495, 7495-7500, 7500-7505, 7505-7510, 7510-7515, 7515-7520, 7520-7525, 7525-7530, 7530-7535, 7535-7540, 7540-7545, 7545-7550, 7550-7555, 7555-7560, 7560-7565, 7565-7570, 7570-7575, 7575-7580, 7580-7585, 7585-7590, 7590-7595, 7595-7600, 7600-7605, 7605-7610, 7610-7615, 7615-7620, 7620-7625, 7625-7630, 7630-7635, 7635-7640, 7640-7645, 7645-7650, 7650-7655, 7655-7660, 7660-7665, 7665-7670, 7670-7675, 7675-7680, 7680-7685, 7685-7690, 7690-7695, 7695-7700, 7700-7705, 7705-7710, 7710-7715, 7715-7720, 7720-7725, 7725-7730, 7730-7735, 7735-7740, 7740-7745, 7745-7750, 7750-7755, 7755-7760, 7760-7765, 7765-7770, 7770-7775, 7775-7780, 7780-7785, 7785-7790, 7790-7795, 7795-7800, 7800-7805, 7805-7810, 7810-7815, 7815-7820, 7820-

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.

-----, 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 Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. --- 10654/22 ---

EMPLOYEES

....., Driller	, Driller
Gardner Bros. Drilling Company	Cary Jones
....., Driller	, Driller
H. V. Burns	A. Y. Old

FORMATION RECORD

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Set Bridge Plug @ 5380'.			
Job #3 - Perforated 5366-5346, 5346-5326, 5326-5310, Sand fraced with 40,320 gals. water & 22,000# sand.			
-0-	74	74	Bentonite
74	162	88	Bentonite, gravel, shale
162	215	53	W. Sand & shale
215	675	460	Shale
675	973	298	Shale & streaks sand
973	1322	349	Sandy shale
1322	1474	152	Sand & shale
1474	1750	276	Shale & streaks sharp sand
1750	1945	195	Sand & shale
1945	2448	503	Shale
2448	2770	322	Sand & shale
2770	2960	190	Blue to grey sandy shale
2960	3175	215	Sand & shale
3175	3250	75	Shale
3250	3271	21	Sand, streaks coal
3271	3350	79	Sand, shale & coal
3350	3415	65	Coal streaks, shale
3415	3430	15	Shale
3430	3446	16	Shale & sand
3446	3475	29	Shale w/streaks sand
3475	3485	10	Sand & shale

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
5875	5940	65	Sand to shale
5940	5985	45	Shale
5985	6000	15	Shale w/streaks sand
6000	6025 TO	25	Shale
TOPS:		Pictured Cliffs Cliff House Point Lookout	5875 5940 5985
FORMATION RECORD			
EMPLOYEES			
TOOLS USED			
SHOOTING RECORD			
PLUGS AND ADAPTERS			
WELDING AND CEMENTING RECORD			

HISTORY OF OIL OR GAS WELL

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 "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.

DATE	REASON	WORK DONE	RESULTS
2000	...	...	...
2001	...	...	...

CASING RECORD

DATE	REASON	WORK DONE	RESULTS
2000	...	...	...
2001	...	...	...

IMPERFECTLY WETTED SANDS

DATE	REASON	WORK DONE	RESULTS
2000	...	...	...
2001	...	...	...

OIL OR GAS SANDS OR ZONES

DATE	REASON	WORK DONE	RESULTS
2000	...	...	...
2001	...	...	...

LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR
UNITED STATES

FRANK OR BERNARD TO PRO-TEST

SEVERAL YEARS

U. S. GEOLOGICAL SURVEY