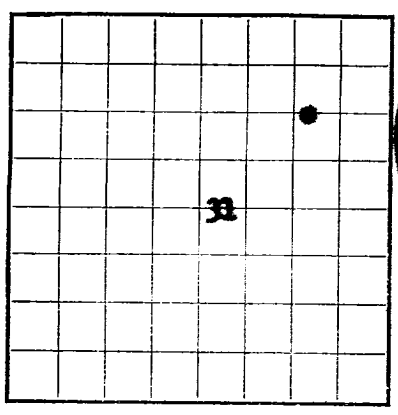
Form 9-330

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.



LOCATE WELL CORRECTLY

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER SF -078[illegible]
LEASE OR PERMIT TO PROSPECT
NE/4 NE/4 Sec. 31, T-31N, R-12W
N.M.P.M. San Juan Cty., New Mexico

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Southern Union Production Co. Address Box 808 - Farmington, N.M.
Lessor or Tract Taliaferro Field Basin Dakota State New Mexico
Well No. 3 Sec. 31 T. 31N R. 12W Meridian N.M.P.M. County San Juan
Location 790 ft. {N.} of N Line and 790 ft. {E.} of E Line of Sec. 31 Elevation 5896
(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 D. G. Macy

Date 12-6-62 Title Petroleum Engineer

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

Commenced drilling 7-25, 19 62 Finished drilling 10-11, 19 62

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 6815 to 6812 No. 4, from 6728 to 6720
No. 2, from 6798 to 6780 No. 5, from to
No. 3, from 6772 to 6766 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 From—	Perforated To—	Purpose
8-5/8	24.0	8rd.	[illegible]	278	Guide	None			Production
4-1/2	10.5	8rd.	[illegible]	6955	Guide	None	6815	6720	Production
1-1/2"	2.90	8rd.	-	6714	-	None			Tubing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	278	100 sks	Pump Plug		
4-1/2	6955	1000 cu. ft.	Pump Plug		

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. 2 shots/ft. 6815-6812; 6798-6780; 6772-6766; 6728-6720; Sand Water fraced with 60,000# sand and 80,000 gal. water with 1% HCl.						

TOOLS USED

Rotary tools were used from ..... feet to ..... feet, and from ..... feet to ..... feet
Cable tools were used from Surface feet to T.D. feet, and from ..... feet to ..... feet

DATES

..... , 19..... Put to producing ..... , 19.....
12-6-62
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. Q = 2541

EMPLOYEES

1962
..... , Driller ..... , Driller
Aspen Drilling , Driller C. E. Watson , Driller
R. A. McGuire

FORMATION RECORD Dale Steinbeck

FROM—	TO—	TOTAL FEET	FORMATION
Surf.	570	570	Wasatch
570	1800	1230	Kirtland
1800	2210	410	Fruitland
2210	2330	120	Pictured Cliffs
2330	3760	1430	Lewis
3760	4850	1090	Mesaverde
4850	6650	1800	Mancos
6650	6927	277	Dakota

16—43094-4

Form 9-330

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

U. S. LAND OFFICE [illegible]
SERIAL NUMBER [illegible]
LEASE OR PERMIT TO PROSPECT [illegible]

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
DEC 17 1962
OIL & GAS OPERATIONS
DIST. 3

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company [illegible] Address [illegible]

Lessor or Tract [illegible] Field [illegible] State [illegible]

Well No. [illegible] Sec. [illegible] T. [illegible] R. [illegible] Meridian [illegible] County [illegible]

Location [illegible] ft. N/S of [illegible] Line and [illegible] ft. E/W of [illegible] Line of [illegible] Elevation [illegible]
(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 [illegible]

Date [illegible] Title [illegible]

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

Commenced drilling [illegible], 19[illegible] Finished drilling [illegible], 19[illegible]

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

No. 1, from [illegible] to [illegible] No. 4, from [illegible] to [illegible]

No. 2, from [illegible] to [illegible] No. 5, from [illegible] to [illegible]

No. 3, from [illegible] to [illegible] No. 6, from [illegible] to [illegible]

IMPORTANT WATER SANDS

No. 1, from [illegible] to [illegible] No. 3, from [illegible] to [illegible]

No. 2, from [illegible] to [illegible] No. 4, from [illegible] to [illegible]

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From—	Perforated To—	Purpose
[illegible]	[illegible]	[illegible]		[illegible]					[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
[illegible]	[illegible]	[illegible]	[illegible]		
[illegible]	[illegible]	[illegible]	[illegible]		

PLUGS AND ADAPTERS

Heaving plug—Material [illegible] Length [illegible] Depth set [illegible]

Adapters—Material [illegible] Size [illegible]

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TOOLS USED

Rotary tools were used from [illegible] feet to [illegible] feet, and from [illegible] feet to [illegible] feet

Cable tools were used from [illegible] feet to [illegible] feet, and from [illegible] feet to [illegible] feet

DATES

[illegible], 19[illegible] Put to producing [illegible], 19[illegible]

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

If gas well, cu. ft. per 24 hours [illegible] Gallons gasoline per 1,000 cu. ft. of gas [illegible]

Rock pressure, lbs. per sq. in. [illegible]

EMPLOYEES

[illegible], Driller [illegible], Driller

[illegible], Driller [illegible], Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]

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.

(OVER)

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION