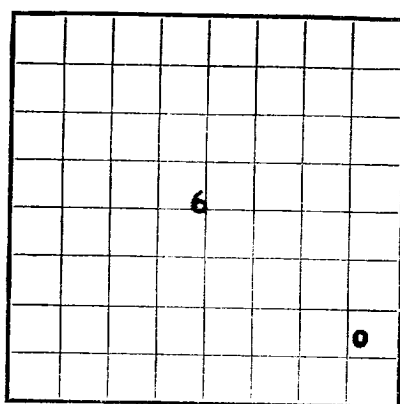




LOCATE WELL CORRECTLY

U. S. LAND OFFICE
SERIAL NUMBER
LEASE OR PERMIT TO PROSPECTUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company SOUTHERN UNION PRODUCTION CO. Address P.O. Box 808, FARMINGTON, NEW MEXICO
Lessor or Tract NEWSON Field BASIN DAKOTA State NEW MEXICO
Well No. 8-B Sec. 6 T. 26N R. 8W Meridian N.M.P.M. County SAN JUAN
Location 1010 ft. ^[N.]_[S.] of S Line and 860 ft. ^[E.]_[W.] of E Line of SECTION 6 Elevation 6156
(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 D. G. MACYDate JANUARY 14, 1964Title PETROLEUM ENGINEER

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

Commenced drilling NOVEMBER 21, 1963 Finished drilling DECEMBER 6, 1963

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 6578 to 6318 (g) No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ 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—	
<u>8 5/8</u>	<u>25.0</u>	<u>8</u>	<u>AM</u>	<u>215'</u>	<u>BLK PT</u>	<u>NOV 21 1963</u>	<u>6578</u>	<u>6318</u>	<u>PERFORATION</u>
<u>4 1/2</u>	<u>2.90</u>	<u>8</u>	<u>AM</u>	<u>300'</u>	<u>BLK PT</u>	<u>NOV 21 1963</u>	<u>6318</u>	<u>6156</u>	<u>PERFORATION</u>
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8 5/8</u>	<u>255</u>	<u>270</u>	<u>PUMP</u>		
<u>4 1/2</u>	<u>6620</u>	<u>1135 CU. FT.</u>	<u>PUMP PLUG</u>		

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
<u>SAND-WATER-CO2</u>	<u>FRAC</u>	<u>USING 1750 GAL. ACID, 104,500# SAND, 102,200 GAL. WATER & 20 TONS CO2.</u>				

TOOLS USED

Rotary tools were used from SURFACE feet to 6620 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

JANUARY 14, 1964, 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 Q=2516 Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. CACF=3226, SITP 2110 SICP 2086

EMPLOYEES

E. MANN, Driller C. B. CAGLE, Driller
IRA ARMSTRONG, Driller S. W. ROBERSON, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>SURF</u>	<u>1280</u>	<u>1280</u>	<u>WASATCH</u>
<u>1280</u>	<u>1730</u>	<u>450</u>	<u>KIRTLAND</u>
<u>1730</u>	<u>1940</u>	<u>210</u>	<u>FRUITLAND</u>
<u>1940</u>	<u>2070</u>	<u>130</u>	<u>PICTURED CLIFFS</u>
<u>2070</u>	<u>3490</u>	<u>1420</u>	<u>LEWIS</u>
<u>3490</u>	<u>4550</u>	<u>1060</u>	<u>MESA VERDE</u>
<u>4550</u>	<u>6315</u>	<u>1765</u>	<u>MANCOS</u>
<u>6315</u>	<u>6620</u>	<u>305</u>	<u>DAKOTA</u>

(OVER)

FORMATION RECORD—CONTINUED

16-48094-4

PLEASE OR PERMIT TO PROSPECT
SERIAL NUMBER
U.S. LAND OFFICE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Southern Union Production Co.
Lessor or Land Person
Well No. 3-2 Sec. 6 T. 26N. R. 6E. N. 14E. 14W.
Location 1219 ft. [2] of 1219 ft. line and 300 ft. [12] of 1219 ft. line of Section 6
Elevation 4720
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. Wacy
Title PETROLEUM ENGINEER
Date JANUARY 14, 1964
The summary on this page is for the condition of the well at above date.
Commenced drilling NOVEMBER 21 1963 Finished drilling DECEMBER 6 1963
Address P.O. Box 808, FARMINGTON, NEW MEXICO

OIL OR GAS SANDS OR ZONES

No. 1, from	to	6318 (5)	No. 4, from	to
No. 2, from	to		No. 5, from	to
No. 3, from	to		No. 6, from	to

(Densetsu has pg. 6)

IMPORTANT WATER SANDS

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

CASINO RECORD

Serial No.	Size inches	Weight per foot	Threads per inch	Make	Material	Kind of pipe	From and pulled from	Perforated From— To—	Remarks
1	4	10.68	11.75	AMERICAN	STEEL	PIPE	FROM THE WELL	100	THIS PIPE WAS USED FOR THE FIRST 100 FEET OF THE WELL. IT WAS PULLED OUT AT THE END OF THE FIRST RUN. IT WAS FOUND TO BE IN GOOD CONDITION AND WAS REUSED FOR THE SECOND RUN.
2	4	10.68	11.75	AMERICAN	STEEL	PIPE	FROM THE WELL	100	THIS PIPE WAS USED FOR THE FIRST 100 FEET OF THE WELL. IT WAS PULLED OUT AT THE END OF THE FIRST RUN. IT WAS FOUND TO BE IN GOOD CONDITION AND WAS REUSED FOR THE SECOND RUN.
3	4	10.68	11.75	AMERICAN	STEEL	PIPE	FROM THE WELL	100	THIS PIPE WAS USED FOR THE FIRST 100 FEET OF THE WELL. IT WAS PULLED OUT AT THE END OF THE FIRST RUN. IT WAS FOUND TO BE IN GOOD CONDITION AND WAS REUSED FOR THE SECOND RUN.
4	4	10.68	11.75	AMERICAN	STEEL	PIPE	FROM THE WELL	100	THIS PIPE WAS USED FOR THE FIRST 100 FEET OF THE WELL. IT WAS PULLED OUT AT THE END OF THE FIRST RUN. IT WAS FOUND TO BE IN GOOD CONDITION AND WAS REUSED FOR THE SECOND RUN.
5	4	10.68	11.75	AMERICAN	STEEL	PIPE	FROM THE WELL	100	THIS PIPE WAS USED FOR THE FIRST 100 FEET OF THE WELL. IT WAS PULLED OUT AT THE END OF THE FIRST RUN. IT WAS FOUND TO BE IN GOOD CONDITION AND WAS REUSED FOR THE SECOND RUN.
6	4	10.68	11.75	AMERICAN	STEEL	PIPE	FROM THE WELL	100	THIS PIPE WAS USED FOR THE FIRST 100 FEET OF THE WELL. IT WAS PULLED OUT AT THE END OF THE FIRST RUN. IT WAS FOUND TO BE IN GOOD CONDITION AND WAS REUSED FOR THE SECOND RUN.
7	4	10.68	11.75	AMERICAN	STEEL	PIPE	FROM THE WELL	100	THIS PIPE WAS USED FOR THE FIRST 100 FEET OF THE WELL. IT WAS PULLED OUT AT THE END OF THE FIRST RUN. IT WAS FOUND TO BE IN GOOD CONDITION AND WAS REUSED FOR THE SECOND RUN.
8	4	10.68	11.75	AMERICAN	STEEL	PIPE	FROM THE WELL	100	THIS PIPE WAS USED FOR THE FIRST 100 FEET OF THE WELL. IT WAS PULLED OUT AT THE END OF THE FIRST RUN. IT WAS FOUND TO BE IN GOOD CONDITION AND WAS REUSED FOR THE SECOND RUN.
9	4	10.68	11.75	AMERICAN	STEEL	PIPE	FROM THE WELL	100	THIS PIPE WAS USED FOR THE FIRST 100 FEET OF THE WELL. IT WAS PULLED OUT AT THE END OF THE FIRST RUN. IT WAS FOUND TO BE IN GOOD CONDITION AND WAS REUSED FOR THE SECOND RUN.
10	4	10.68	11.75	AMERICAN	STEEL	PIPE	FROM THE WELL	100	THIS PIPE WAS USED FOR THE FIRST 100 FEET OF THE WELL. IT WAS PULLED OUT AT THE END OF THE FIRST RUN. IT WAS FOUND TO BE IN GOOD CONDITION AND WAS REUSED FOR THE SECOND RUN.

HISTORY OF OIL OR GAS WELL

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Amount of mud used	Mud gravity	Method used	Number sacks of cement	Mud weight	Rate of setting
		Pump	250	850	1/2
		Pump	1130 cu. ft.	6850	1/2

PLUGS AND ADAPTERS

[illegible]

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
30	30	30	30	30	30	30

USED TOOT

Rotary tools were used from	SURFACE	feet to	feet and from	feet to	feet
Cable tools were used from		feet to	feet and from	feet to	feet

DATE

Rock pressure, lbs. per sq. in.	2119-2226	2119-2110	2109-2086
Oil gas well, cu. ft. per 24 hours	0-2514		
Emulsion: % water; and % sediment			
The production for the first 24 hours was			barrels of fluid of which % was oil; %
Put to producing			10

EMPLOYEES

Driller			Driller		
Driller			Driller		

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
6312	6650	338	Dakota
4550	6312	1762	Wichita
3790	4550	760	Mesa Verde
5070	3790	1280	Lech
1970	5070	3100	Pictured Cliffs
1730	1970	240	Freeland
1580	1730	150	Kirtland
506	1580	1074	Wabash