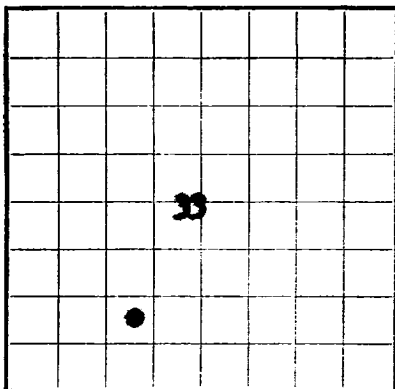
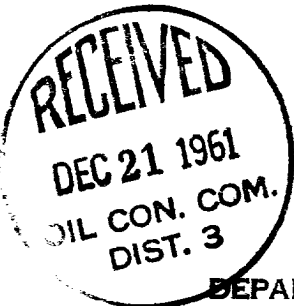




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER SF 080724-A
LEASE OR PERMIT TO PROSPECT _____

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Southern Union Production Co. Address P. O. Box 508, Farmington, N.M.
Lessor or Tract Zachary Field Basin Dakota State New Mexico
Well No. 15 Sec. 33 T. 25N R. 10W Meridian N.M.P.M. County San Juan
Location 1000 ft. N. of 8 Line and 1770 ft. E. of W Line of Sec. 33 Elevation 5792
(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 L. S. Macmillan
Title Production SuperintendentDate December 18, 1961Title Production Superintendent

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

Commenced drilling 11/11/, 1961 Finished drilling 12/2, 1961

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 6562 to 6576 0 No. 4, from 6372 to 6398 0
No. 2, from 6522 to 6544 0 No. 5, from _____ to _____
No. 3, from 6452 to 6490 0 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>25.3</u>	<u>4</u>	<u>REB</u>	<u>150</u>	<u>S.J. Service</u>				
<u>4-1/2</u>	<u>66.7</u>	<u>REB</u>	<u>750</u>	<u>cu. ft.</u>	<u>S.J. Service</u>				
<u>1-1/2</u>	<u>2.90</u>	<u>REB</u>	<u>155</u>	<u>6373</u>					

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>253 REB</u>	<u>150</u>	<u>S.J. Service</u>		
<u>4-1/2</u>	<u>66.7 REB</u>	<u>750</u>	<u>S.J. Service</u>		
<u>1-1/2</u>	<u>6373 REB</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>Perf. 1/2</u>	<u>shots/ft.</u>	<u>6562-6576, 6522-6544</u>	<u>Sand Water Pres. w/20,000/ 20-40 sand and</u>			
<u>530 Blis. Water.</u>	<u>shots/ft.</u>	<u>6452-6490, 6376-6398</u>	<u>Sand Water Pres. with</u>			
<u>10,000/ 20-40 sand and 1030 Blis. Water.</u>						

TOOLS USED

Rotary tools were used from _____ feet to 6446 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

December 2, _____, 1961 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. _____

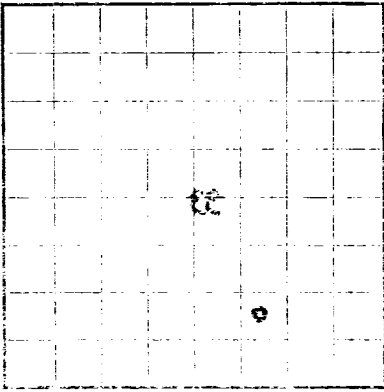
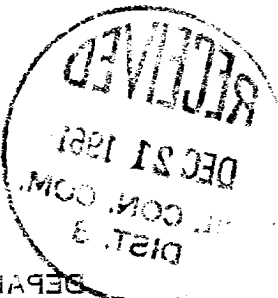
If gas well, cu. ft. per 24 hours 4407 Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 2182 MCTD 5127 2033

EMPLOYEES

Aspen Drilling Company _____, Driller A. F. Sample _____, Driller
V. A. Gabriel _____, Driller M. Bower _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>Surf.</u>	<u>972</u>	<u>972</u>	<u>Washita</u>
<u>972</u>	<u>1835</u>	<u>863</u>	<u>Kirtland</u>
<u>1835</u>	<u>1990</u>	<u>155</u>	<u>Fruitland</u>
<u>1990</u>	<u>2080</u>	<u>90</u>	<u>Pictured Cliffs</u>
<u>2080</u>	<u>3590</u>	<u>1510</u>	<u>Louis</u>
<u>3590</u>	<u>4640</u>	<u>1050</u>	<u>Mosavert</u>
<u>4640</u>	<u>6375</u>	<u>1735</u>	<u>Mancos</u>
<u>6375</u>	<u>6645</u>	<u>270</u>	<u>Dakota</u>



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

U.S. LAND OFFICE
SERIAL NO. 12345
FIELD OR PERMIT TO PROCEED

Company, State, and location of well
Lessor or Trust
Well No. 12345
Location, Sec. 34 T. 34 N. R. 12 E. 12 E. 12 E.
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 _____
Title _____

Date _____
The summary on this page is for the condition of the well at above date.
Commenced drilling _____
Finished drilling _____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

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

IMPORTANT WATER SANDS

No. 1 from _____ to _____
No. 2 from _____ to _____

CASING RECORD

Casing	Weight	Through hole	Through hole	Through hole	Through hole	Through hole	Through hole	Through hole	Through hole
Size	Weight	Through hole	Through hole	Through hole	Through hole	Through hole	Through hole	Through hole	Through hole
Size	Weight	Through hole	Through hole	Through hole	Through hole	Through hole	Through hole	Through hole	Through hole

HISTORY OF OIL OR GAS WELL

U.S. GOVERNMENT PRINTING OFFICE

MUDDING AND CEMENTING RECORD

Mud	Cement	Method used	Kind and gravity	Amount of mud used
Mud	Cement	Method used	Kind and gravity	Amount of mud used
Mud	Cement	Method used	Kind and gravity	Amount of mud used

PLUGS AND ADAPTERS

Heaving plug _____
Adapters _____

SHOOTING RECORD

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

TOOLS USED

Rotary tools were used from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet

DATES

Put to producing _____
The production for the first 24 hours was _____
If gas well, cu. ft. per 24 hours _____
Rock pressure, lbs. per sq. in. _____
Gravimetric, % water; and _____
Gravimetric, % oil; _____
Gravimetric, % gas _____

EMPLOYEES

Driller _____
Driller _____

FORMATION RECORD

FORMATION	TOTAL FEET	TO	FROM
FORMATION	TOTAL FEET	TO	FROM
FORMATION	TOTAL FEET	TO	FROM