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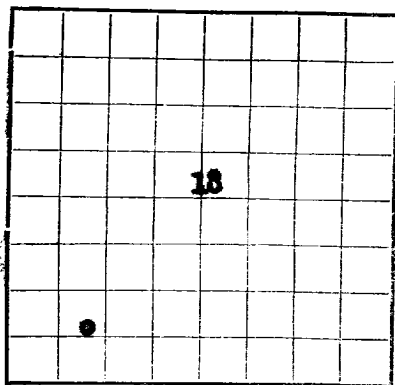
OIL CON. COM.
DIST. 3Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

U. S. LAND OFFICE Santa Fe

SERIAL NUMBER SF 047039-C

LEASE OR PERMIT TO PROSPECT

OCT 10 1962

U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICOUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company **SOUTHERN UNION PROD. CO.** Address **P. O. Box 808, Farmington, N.M.**Lessor or Tract **Congress Lachman** Field **Basin Dakota** State **New Mexico**Well No. **4** Sec. **18** T. **28N** R. **10W** Meridian **N.M.P.M.** County **San Juan**Location **790** ft. **N.** of **S.** Line and **790** ft. **E.** of **W.** Line of **Sec. 18** Elevation **5956**
(Derriek 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 **October 22, 1962**Title **Petroleum Engineer**

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

Commenced drilling **9-7-62**, 19 **62** Finished drilling **9-21**, 19 **62**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 6456 to 6480	No. 4, from 6322 to 6330
No. 2, from 6380 to 6420	No. 5, from _____ to _____
No. 3, from 6302 to 6312	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—	
8-5/8	267	RKB	175		Pump Plug				
4-1/2	6617	RKB	625		Circ. (1st stage cement w/200 ska. 50-50 Poz. w/24 gal & 75 ska Poz. w/Mallad 9. 2nd stage with 275 ska 20% Diacel "D" and 61 gal. 12 1/2 gilsonite & 75 ska. Bag.)				
2-3/8	4.70	Brd.	9-25	8321					Production tubing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	267 RKB	175	Pump Plug		
4-1/2	6617 RKB	625	Circ. (1st stage cement w/200 ska. 50-50 Poz. w/24 gal & 75 ska Poz. w/Mallad 9. 2nd stage with 275 ska 20% Diacel "D" and 61 gal. 12 1/2 gilsonite & 75 ska. Bag.)		

PLUGS AND ADAPTERS 12 1/2 gilsonite & 75 ska. Bag.)

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
Perf. 4	shots/ft. 6456-6480.	Sand water frac w/10,000# 20/40 sand & 39,000 gal. 1% C.C. W.				
Perf. 4	shots/ft. 6380-6420.	Sand water frac w/60,000# 20/40 sand and 58,000 gal. 1% C.C. water.				
Perf. 4	shots/ft. 6302-6312, 6322-6330.	Sand-water frac 3/25,000# 20-40 sand & 18,600 gal. 1% Calcium Chloride water				

TOOLS USED

Rotary tools were used from **0** feet to **6610** feet, and from _____ feet to _____ feet

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

DATES

October 22, 1962 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 = 6506** Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. **CAOP = 10,365, MCFPD SIPT 1795. SICP 1788**

EMPLOYEES

Aspen Drilling Co., Driller **R. A. McGuire**, DrillerC. E. Watson, Driller **D. M. Steinback**, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surf.	915	915	Wasatch
915	1680	765	Kirtland
1680	1900	220	Fruitland
1900	1980	80'	Pictured Cliffs
1980	3460	1480	Lewis
3460	4560	1100	Mesa Verde
4560	6265	1705	Mancos
6265	6619	354	Dakota

