

A 10x10 grid with a point labeled 'p' at the top left and the number '30' in the center.

LOCATE WELL CORRECTLY

C O P Y

U. S. LAND OFFICE Navajo Tribe of
SERIAL NUMBER Indians
I-149-Ind-8468
LEASE OR PERMIT TO PROSPECT _____

Original sent in
March 18, 1959 UNITED STATES

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SEP 1 1959

U. S. GEOLOGICAL SURVEY
 SPRINGFIELD MASSACHUSETTS

LOG OF OIL OR GAS WELL

Company Southern Union Gas Company Address 1001 Burt Bldg., Dallas, Texas
 Lessor or Tract Navajo Indian Field So. Blanco P.C. State New Mexico
 Well No. 4-B Sec. 30 T 27N R. 8W Meridian N.M.P.M. County San Juan
 Location 900 ft. $\left[\begin{smallmatrix} N \\ S \end{smallmatrix} \right]$ of N Line and 730 ft. $\left[\begin{smallmatrix} E \\ W \end{smallmatrix} \right]$ of W Line of Section 30 Elevation 6039'
 (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. Original Signed By

Signed A. M. WIEDERKEHR
A. M. Wiederkehr
Title Mgr., Exploration Dept.

Date March 18, 1959

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

Commenced drilling ----- **March 1** -----, 19-**59** Finished drilling ----- **March 4** -----, 19-**59**.

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2010 to 2060 (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. 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
8-5/8	103'	70	Halliburton		
5-1/2	2101' KB	100	Halliburton		
1"	2021'				

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. 2010-2060', Fraced w/1783 bbls. water, 100,000# sand, dropped 150 rubber balls, IR - 41.5 RPM						

TOOLS USED

Rotary tools were used from 0 feet to 21.06 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

-----~~March~~ 7-----, 19-59----- 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 4196 MCF Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. ----- **632# 7 days**

EMPLOYEES

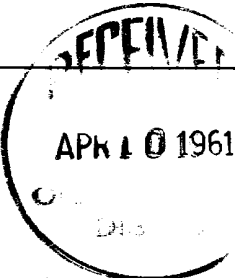
~~Benson-Martin-Greer Drilling Corp~~ Driller ~~D. G. Smith~~ Driller
~~H. B. Barker~~ Driller _____ Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
-0-	2106	2106	<p>Sand and shale</p> <p>TOPS: Pictured Cliffs 2005'</p> <div data-bbox="1011 3201 1301 3481" data-label="Image"> </div>
2106-2107	2107	2107	2107

TOPS:
Pictured Cliffs 2005'



NUMBER OF COPIES RECEIVED DISTRIBUTION		NEW MEXICO OIL CONSERVATION COMMISSION SANTA FE, NEW MEXICO CERTIFICATE OF COMPLIANCE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS			FORM C-170 (Rev. 7-60)	
SANTA FE FILE U.S.G.S. LAND OFFICE TRANSPORTER OIL GAS PRORATION OFFICE OPERATOR		FILE THE ORIGINAL AND 4 COPIES WITH THE APPROPRIATE OFFICE				
Company or Operator Southern Union Production Company				Lease Navajo Indian		Well No. 4-B
Unit Letter D	Section 30	Township 27N	Range 8W	County San Juan		
Pool So. Blanco Pictured Cliffs				Kind of Lease (State, Fed, Fee) Federal		
If well produces oil or condensate give location of tanks		Unit Letter D	Section 30	Township 27N	Range 8W	
Authorized transporter of oil <input type="checkbox"/> or condensate <input checked="" type="checkbox"/> M & N Trucking Company or Luna-Rivas Trucking Company				Address (give address to which approved copy of this form is to be sent) Farmington, New Mexico		
Is Gas Actually Connected? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>						
Authorized transporter of casing head gas <input type="checkbox"/> or dry gas <input checked="" type="checkbox"/> Southern Union Gas Company		Date Connected 9/16/59	Address (give address to which approved copy of this form is to be sent) Attn: Mr. J. R. Bynum, Fidelity Union Tower Bldg., Dallas, Texas			
If gas is not being sold, give reasons and also explain its present disposition:						
REASON(S) FOR FILING (please check proper box)						
New Well <input type="checkbox"/> Change in Ownership <input checked="" type="checkbox"/>						
Change in Transporter (check one) Other (explain below)						
Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/>						
Casing head gas . <input type="checkbox"/> Condensate.. <input type="checkbox"/>						
CHANGE OF OPERATOR FROM SOUTHERN UNION GAS COMPANY						
Remarks						
						
The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.						
Executed this the 16th day of March , 19 61 .						
OIL CONSERVATION COMMISSION				By ORIGINAL SIGNED BY ROBERT J. GRAF		
Approved by Original Signed Emery C. Arnold				Title Robert J. Graf Jr. Exploration Engineer		
Title Supervisor Dist. # 3				Company Southern Union Production Company		
Date APR 10 1961				Address Fidelity Union Tower Bldg., Dallas, Texas		