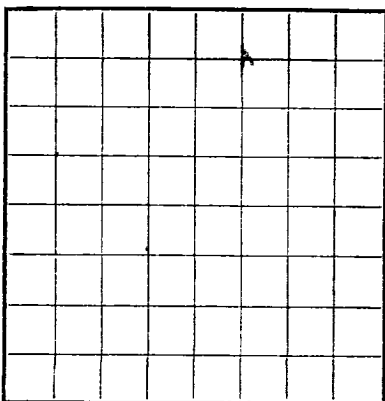




LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

U. S. LAND OFFICE

SERIAL NUMBER

LEASE OR PERMIT TO PROSPECT

Navajo-Ute Tribal

14-20-004-1771

RECEIVED

JUL 2 1959
GEOLOGICAL SURVEY
CANNONVILLE, UTAH

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Products Co. Address Box 1565, Farmington, New MexicoLessor or Tract Horseshoe Ute Field Horseshoe Gallup State New MexicoWell No. 14 Sec. 33 T. 51S R. 10W Meridian NMPN County San JuanLocation 660 ft. N of 3 Line and 1930 ft. E of 2 Line of Section 33 Elevation 5600'
(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 ORIGINAL SIGNED BY: JOSEPH E. KRIEGERDate June 26, 1959Title Petroleum Engineer

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

Commenced drilling May 11, 1952 Finished drilling May 17, 1952

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1475' to 1427' 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—	
7-5/8"	24.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
5-1/2"	19.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
4-1/2"	15.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
3-1/2"	11.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
2-1/2"	7.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
2-1/8"	6.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
2-1/4"	5.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
2-1/16"	4.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/2"	3.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/4"	2.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/8"	1.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/16"	0.50	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/32"	0.25	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/64"	0.12	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/128"	0.06	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/256"	0.03	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/512"	0.01	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/1024"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/2048"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/4096"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/8192"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/16384"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/32768"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/65536"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/131072"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/262144"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/524288"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/1048576"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/2097152"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/4194304"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/8388608"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/16777216"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/33554432"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/67108864"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/134217728"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/268435456"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/536870912"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/1073741824"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/2147483648"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/4294967296"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/8589934592"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/17179869184"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/34359738368"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/68719476736"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/137438953472"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/274877906944"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/549755813888"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/1099511627776"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/2199023255552"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/4398046511104"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/8796093022208"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/17592186044416"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/35184372088832"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/70368744177664"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/140737488355328"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/281474976710656"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/562949953421312"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/1125899906842624"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/2251799813685248"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/4503599627370496"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/9007199254740992"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/18014398509481984"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/36028797018963968"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/72057594037927936"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/144115188075855872"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/288230376151711744"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/576460752303423488"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/1152921504606846976"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/2305843009213693952"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/4611686018427387904"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/9223372036854775808"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/18446744073709551616"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/36893488147419103232"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/73786976294838206464"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/147573952589676412928"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/295147905179352825856"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/590295810358705651712"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/1180591620717411303424"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/2361183241434822606848"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/4722366482869645213696"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/9444732965739290427392"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/18889465931478580854784"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/37778931862957161709568"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/75557863725914323419136"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/151115727451828646838272"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/302231454903657293676544"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/604462909807314587353088"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/1208925819614629174706176"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/2417851639229258349412352"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/4835703278458516698824704"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/9671406556917033397649408"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/19342813113834066795298816"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/38685626227668133590597632"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/77371252455336267181195264"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/154742504910672534362390528"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/309485009821345068724781056"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/618970019642690137449562112"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/1237940039285380274899124224"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/2475880078570760549798248448"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/4951760157141521099596496896"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/9903520314283042199192993792"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/19807040628566084398385987584"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/39614081257132168796771975168"	0.00	10	AMCO	100	2 1/2" API	2 1/2" API			2 1/2" API
1-1/7922816									

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

A blank 10x10 grid for graphing, consisting of 10 columns and 10 rows of squares.

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

The information given herewith is a complete and correct record of the well and all work done thereon
 as far as can be determined from all available records.
 Signed _____
 ORIGINAL SIGNED BY: JOSEPH E. KRIEGER
 Location of _____ ft. _____ of _____ ft. _____ of _____ ft. _____ of _____ ft. _____
 Well No. _____ Sec. _____ T. _____ R. _____ Meridian _____ County _____ State _____
 Lessor or Tract _____
 Company _____
 Address _____
 State _____

Commenced drilling _____ 19____
 _____ 19____ Finished drilling _____ 19____
 The summary on this page is for the condition of the well at above date.

Date _____ Title _____

OIL OR GAS SANDS OR ZONES

(Dense gas by G)

No. 1 from _____ to _____ No. 4 from _____ to _____
No. 2 from _____ to _____
Pressure -- 50 - 1225, topped at half one time.
No. 3 from _____ to _____
Pressure -- 1250; pressure down Pressure at 1300; Average treating
with 1512 gal. oil. Maximum treating
S.G. per ft. 1.95-1.47, well 49,056 gal. No. 8 from _____ to _____
and 50,000 gal. flush

CASING RECORD

Amount	Kind of shoe	Cut and dugged from	From - To -	Purpose
Thresh per Acre	Weight per foot	Size of 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 piers or bridges were put in to test for water, state kind of material used, position, and results of pumping or belling.	

10-48094-2 U. S. GOVERNMENT PRINTING OFFICE

HISTORY OF OIL OR GAS WELL

RECORDING AND CEMENTING RECORD

[illegible]

PLUGS AND ADAPTERS

[illegible]

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Ditch shot	Pegs cleaned out

TOOLS USED

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

DATE

It gas well, cu. ft. per 24 hours	.....	10
emulsion; and	.....	10
% water; and	.....	10
% sediment	.....	10
The production for the first 24 hours was	.....	10
barrels of fluid of which	.....	10
% was oil; %	.....	10
Gravity, °Bé.	.....	10
Gallons gasoline per 1,000 cu. ft. of gas	.....	10
Put to producing	.....	10

EMPLOYEES

Driller			
Driller			

FORMATION RECORD

[illegible]