

U. S. LAND OFFICE **SF**SERIAL NUMBER **080212-A**

LEASE OR PERMIT TO PROSPECT

UNITED STATES

DEPARTMENT OF THE INTERIOR NOV 18 1959

GEOLOGICAL SURVEY

U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **El Paso Natural Gas Products Co.** Address **Box 1565, Farmington, New Mexico**
Lessor or Tract **Malco Copple** Field **Verde Gallup** State **New Mexico**
Well No. **1-A** Sec. **4** T. **30N** R. **15W** Meridian **NMPM** County **Sau Juan**
Location **660** ft. **N** of **N** Line and **1980** ft. **E** of **W** Line of **Section 4** Elevation **5452'**
(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.

Date **November 10, 1959** Signed **ORIGINAL SIGNED BY: WILLIAM K. GLATNER**
Title **Petroleum Engineer**

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

Commenced drilling **August 21**, 1959 Finished drilling **September 28**, 1959

OIL OR GAS SANDS OR ZONES

No. 1, from **3620** to **3740** 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	Thickness per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
10-3/4"	37.5	0.375	Steel	112	Cemented	Surface			Surface
5-1/2"	19.5	0.250	Steel	3612	Cemented	Production			Production
4-1/2"	17.5	0.250	Steel	191	Cemented	Prod. Liner			Prod. Liner
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
10-3/4"	130	125	Circulated		
5-1/2"	3619	100-1st stage; 100-2nd stage	Two Stage		
4-1/2"	3571-3735	Not Cemented			

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
			See Remarks			

TOOLS USED

Rotary tools were used from **0** feet to **3620** feet, and from _____ feet to _____ feet
Cable tools were used from **3620** feet to **3740** feet, and from _____ feet to _____ feet

DATES

September 29, 1959 Put to producing November 8, 1959

The production for the first 24 hours was **16.67** barrels of fluid of which **100**% was oil; _____% emulsion; _____% water; and _____% sediment.Gravity, °Bé. **40.0° API**

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1930	1930	Cliff House ss. Gy., FG, ds. silty ss.
1930	2304	374	Point Lookout Form. Gy., v/fn. silty ss w/freq. shale breaks.
2304	3333	1029	Mancos Form. Gy. carb. shale.
3333	3595	262	Upper Gallup Form. Shale, gy.-blk., calc. w/aragonite inclusion.
3595	3740	145	Lower Gallup Form. Lt. gy. to brn. calc. carb. micaceous glauconitic. Very fn. to med. gr. ss. w/irreg. interbedded shale.

TOPS ARE FROM ELECTRIC LOGS
AND RADIOACTIVITY LOGS.

U. S. LAND OFFICE

----- SERIAL NUMBER 000215-2

PLEASE OR PRINTED TO PROTECT

UNITED STATES

DEPARTMENT OF THE INTERIOR NOV 18 1959

U.S. GEOLOGICAL SURVEY
WASHINGTON, NEW MEXICO

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

[illegible]

The summary on this page is for the production of the well on the date.
 9-28-56 6-28-56 Drilled to T.D. 3740'.
 9-29-56 6-29-56 Drilled and cemented open hole 3620' - 3740' with 50,400 lbs. oil and
 60,000# (20-40) sand, lined with 4.893 in. 10.5 lb./ft. casing.
 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.
 Pressure 1500 psi. Pressure 1500 psi. Pressure 1500 psi.
 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.
 Location 1.2' of Time and 1980 ft. of Elevation 1400'.
 6-28-56 1-1' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31' 32' 33' 34' 35' 36' 37' 38' 39' 40' 41' 42' 43' 44' 45' 46' 47' 48' 49' 50' 51' 52' 53' 54' 55' 56' 57' 58' 59' 60' 61' 62' 63' 64' 65' 66' 67' 68' 69' 70' 71' 72' 73' 74' 75' 76' 77' 78' 79' 80' 81' 82' 83' 84' 85' 86' 87' 88' 89' 90' 91' 92' 93' 94' 95' 96' 97' 98' 99' 100' 101' 102' 103' 104' 105' 106' 107' 108' 109' 110' 111' 112' 113' 114' 115' 116' 117' 118' 119' 120' 121' 122' 123' 124' 125' 126' 127' 128' 129' 130' 131' 132' 133' 134' 135' 136' 137' 138' 139' 140' 141' 142' 143' 144' 145' 146' 147' 148' 149' 150' 151' 152' 153' 154' 155' 156' 157' 158' 159' 160' 161' 162' 163' 164' 165' 166' 167' 168' 169' 170' 171' 172' 173' 174' 175' 176' 177' 178' 179' 180' 181' 182' 183' 184' 185' 186' 187' 188' 189' 190' 191' 192' 193' 194' 195' 196' 197' 198' 199' 200' 201' 202' 203' 204' 205' 206' 207' 208' 209' 210' 211' 212' 213' 214' 215' 216' 217' 218' 219' 220' 221' 222' 223' 224' 225' 226' 227' 228' 229' 230' 231' 232' 233' 234' 235' 236' 237' 238' 239' 240' 241' 242' 243' 244' 245' 246' 247' 248' 249' 250' 251' 252' 253' 254' 255' 256' 257' 258' 259' 260' 261' 262' 263' 264' 265' 266' 267' 268' 269' 270' 271' 272' 273' 274' 275' 276' 277' 278' 279' 280' 281' 282' 283' 284' 285' 286' 287' 288' 289' 290' 291' 292' 293' 294' 295' 296' 297' 298' 299' 300' 301' 302' 303' 304' 305' 306' 307' 308' 309' 310' 311' 312' 313' 314' 315' 316' 317' 318' 319' 320' 321' 322' 323' 324' 325' 326' 327' 328' 329' 330' 331' 332' 333' 334' 335' 336' 337' 338' 339' 340' 341' 342' 343' 344' 345' 346' 347' 348' 349' 350' 351' 352' 353' 354' 355' 356' 357' 358' 359' 360' 361' 362' 363' 364' 365' 366' 367' 368' 369' 370' 371' 372' 373' 374' 375' 376' 377' 378' 379' 380' 381' 382' 383' 384' 385' 386' 387' 388' 389' 390' 391' 392' 393' 394' 395' 396' 397' 398' 399' 400' 401' 402' 403' 404' 405' 406' 407' 408' 409' 410' 411' 412' 413' 414' 415' 416' 417' 418' 419' 420' 421' 422' 423' 424' 425' 426' 427' 428' 429' 430' 431' 432' 433' 434' 435' 436' 437' 438' 439' 440' 441' 442' 443' 444' 445' 446' 447' 448' 449' 450' 451' 452' 453' 454' 455' 456' 457' 458' 459' 460' 461' 462' 463' 464' 465' 466' 467' 468' 469' 470' 471' 472' 473' 474' 475' 476' 477' 478' 479' 480' 481' 482' 483' 484' 485' 486' 487' 488' 489' 490' 491' 492' 493' 494' 495' 496' 497' 498' 499' 500' 501' 502' 503' 504' 505' 506' 507' 508' 509' 510' 511' 512' 513' 514' 515' 516' 517' 518' 519' 520' 521' 522' 523' 524' 525' 526' 527' 528' 529' 530' 531' 532' 533' 534' 535' 536' 537' 538' 539' 540' 541' 542' 543' 544' 545' 546' 547' 548' 549' 550' 551' 552' 553' 554' 555'

Well No.	Depth (ft.)	Remarks
9-19-59	3314'	Ran Baker Full Bore cementing on 2 7/8" tubing set at 3314'. Stopped for 1-1/2 hours. Could not get to hold pressure. Waited 8 hours, pumped in 100 sacks neat cement, held 3000 psi after tool cleared and 5 minute stage. Wait 24 hours on cement.
9-20-59	3314'	Drilling cement out to bottom. Water coming in 8 gals./hour. Set at 3407'. Pumped in 200 sacks neat cement; cleared tool after 15 minute stage held 2000 psi. Wait 24 hours on cement.
9-23-59	3314'	OIL OR GAS SANDS OR ZONES
9-24-59	3314'	Drilling cement to bottom stage. Waited 8 hours on cement.

[illegible]

HISTORY OF OIL OR GAS WELL

MUDGING AND CEMENTING RECORD																		
Size casing		Where set	Number sacks of cement	Mud used	Field gravity	Amount of mud used												
10-3/4"		100	100	100	1.02	100												
10-1/2"		100	100	100	1.02	100												
10-1/2"		100	100	100	1.02	100												
10-1/2"		100	100	100	1.02	100												
PLUGS AND ADAPTERS																		
Adapters—Material																		
Heaving plug—Material																		
Size																		
Depth set																		
SHOOTING RECORD																		
Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out												

FORMATION RECORD—Continued