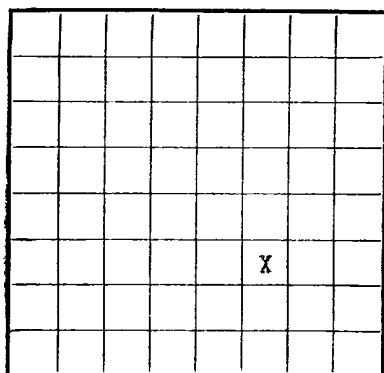


U. S. LAND OFFICE **Santa Fe**SERIAL NUMBER **078050**

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL

Company J. Glenn Turner Address Box 726 - Farmington, New Mexico  
Lessor or Tract Christine Hughes Field So. Blanco P.C. Est. State New Mexico  
Well No. 9-4 Sec. 4 T. 27-NR. 9-W Meridian N.M.P.M. County San Juan  
Location 1450 ft. N. of 3 Line and 1800 ft. W. of E. Line of Sec. 4 Elevation 6496  
(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 C. Benson Neal  
Title C. Benson Neal, Agent in Farmington

Date January 9, 1956

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

Commenced drilling Oct. 28, 1955, 19... Finished drilling Nov. 21, 1955, 19...

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2454' to 2522' ("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. 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"      | 24#             | 3 rd. thd.       | J-55 | 93'    | None         |                     |            |     | Surface     |
| 5-1/2"      | 14#             | 5 8rd. thd.      | J-55 | 245'   | Halliburton  |                     |            |     | Long String |
| 1 1/2"      | Tubing          | 8 rd. thd.       | None | 2,99'  | None         |                     |            |     | Production  |

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity  | Amount of mud used |
|-------------|-----------|------------------------|-------------|--------------|--------------------|
| 8-5/8"      | 102.5'    | 70                     | Halliburton | Mostly water |                    |
| 5-1/2"      | 2459'     | 100                    | Halliburton | Mostly water |                    |

## 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 |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------|------|------------|-------------------|
| 11/21/55. | Sand oil treated from 2459' to 2522' with 17,000 gallons diesel oil and 28,000# sand. Flushed with 2,500 gallons diesel. Breakdown pressure 1450#. Injection 39 barrels per minute. |                |          |      |            |                   |

## TOOLS USED

Rotary tools were used from 102.5' feet to 2461 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from 0 feet to 102.5 feet, and from 2461 feet to 2522 feet  
Potential Test taken \_\_\_\_\_

## DATES

Shut in for potential test

Nov. 30, 1955, 19...Put to producing Nov. 22, 1955, 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 3,400 MCF/Day (Three hour test) Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_Rock pressure, lbs. per sq. in. 673 psig.

## EMPLOYEES

Emerfanito Drilling Co., Inc., Driller \_\_\_\_\_, Driller  
\_\_\_\_\_, Driller \_\_\_\_\_, Driller

## FORMATION RECORD

| FROM— | TO—  | TOTAL FEET | FORMATION                                                             |
|-------|------|------------|-----------------------------------------------------------------------|
| 0     | 2418 | 2418       | Surface sand and shale, Ojo Alamo, Kirtland and Fruitland formations. |
| 2418  | 2432 | 14         | Coal                                                                  |
| 2432  | 2436 | 4          | Shale                                                                 |
| 2436  | 2443 | 7          | Coal                                                                  |
| 2443  | 2454 | 11         | Sandy shale                                                           |
| 2454  | 2522 | 68         | Sand                                                                  |
|       |      |            | Top of Pictured Cliffs 2454'                                          |

[illegible]

The information is being furnished to you for your information and is not to be used for any other purpose. The information is being furnished to you for your information and is not to be used for any other purpose.

A circular postmark from New York, dated 1890. The text "NEW YORK" is at the top, "1890" is in the center, and "JAN 10" is at the bottom.

620-111-1142

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 plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or balling.

U. S. GOVERNMENT PRINTING OFFICE 16-43094-2

| FROM- | TO- | TOTAL FEET | FORMATION                                                                                                                                                                                                                                                                                                                                         |
|-------|-----|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|       |     |            | <p>1. <b>DRILLING AND CORRELATING RECORD</b></p> <p>2. <b>STRATIGRAPHIC COLUMN</b></p> <p>3. <b>GEOLOGICAL MAP</b></p> <p>4. <b>SECTIONAL CORRELATION</b></p> <p>5. <b>LOGS USED</b></p> <p>6. <b>EXPLANATION</b></p> <p>7. <b>NOTES</b></p> <p>8. <b>APPENDICES</b></p> <p>9. <b>INDEX</b></p> <p>10. <b>PLATE</b></p> <p>11. <b>REMARKS</b></p> |

**FORMATION RECORD—Continued**

| 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 |
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