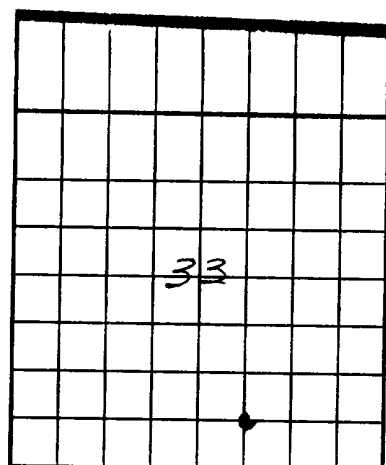


U. S. LAND OFFICE Las CrucesSERIAL NUMBER 065877ALEASE OR PERMIT TO PROSPECT Lease

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Nestates Petroleum Corp. of Texas Address Box 1381, Jal. New MexicoLessor or Tract Jennings Field Jennings-Delaware State New MexicoWell No. 3 Sec. 33 T. 25S R. 32E Meridian N.M.P.M. County LeaLocation 660 ft. (N.) of 8 Line and 1980 ft. (E.) of E. Line of Sec. 33 Elevation 3350
(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 J. G. BentonDate April 18, 1957 Title Division Supt.

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

Commenced drilling March 25, 1957 Finished drilling April 3, 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from _____ to _____ 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#	8rd ST&C	YGST	875'					
It is of the greatest importance to have a complete record of the well. Please state in detail the dates of running, setting, and cementing of casing, and the dates of running, setting, and cementing of tubing. If the well has been abandoned, state the date and reason therefor. If the well is being abandoned, state the date and reason therefor. If the well is being abandoned, state the date and reason therefor.									
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
8-5/8	885'	350	Halliburton		

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

TOOLS USED

Rotary tools were used from _____ feet to 4585 feet, and from _____ feet to _____ feet

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

DATES

_____, 19____ 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 _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller Ed Barton, Driller_____, Driller H. D. Bryant, Driller_____, Driller J. A. Moore, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	500	500	Caliche-Sand-Redbed
500	700	200	Redbed
700	780	80	Redbed-Gyp
780	890	110	Anhy
890	935	45	Redbed-Anhy
935	1310	375	Anhy-Gyp-Sand
1310	1500	190	Anhy-Sand Streaks
1500	2660	1160	Anhy-Salt
2660	2995	335	Anhy-Gyp
2995	3390	395	Salt-Anhy
3390	3520	130	AN Anhy-Gyp
3520	3655	135	Gyp
3655	3830	175	Anhy-Gyp
3830	4005	175	Salt-Anhy Stks.
4005	4085	80	Anhy-Gyp
4085	4315	230	Salt-Anhy
4315	4375	60	Gyp
4375	4442	67	Anhy-Gyp
4442	4530	88	Anhy
4530	4564	34	Black Lime
4564	4585	21	Sand-Shale

FORMATION TOPS:

B. Salt 4318'
T. Del. L. 4521'
T. Del. S. 4561'

(OVER)

FORMATION RECORD—Continued

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

A 10x10 grid with a dot at (4, 1) and the number 32 written at (5, 5).

Completed drilling March 22 1952 Finished drilling April 8 1952
The summary on this page is for the condition of the well at above date.
Date April 18, 1952 Title Division Sub.

(G) und (H) sind

IMPORTANT WATER SANDS

Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From—To—	Purpose
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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.

— 10 —

Size casing	Where set	Number sacks of cement	Method used	Mud grade	Amount of mud used
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[illegible]

Having plug--Material	Length	Depth set

[illegible]

...feet to ... feet and from ... feet to ... feet

DATES	
feet to	feet, and from

Page 10

Rock pressure, lbs. per sq. in.	
It gas well, cu. ft. per 24 hours	
% water; and % sediment	
Gravity, °Bé	
Gallons gasoline per 1,000 cu. ft. of gas	
Number of barrels of fluid of which 1 cu. ft. was obtained	

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
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FROM	TO	TOTAL FEET	FORMATION
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FORMATION TOPS:	THICKNESS	DEPTH	FORMATION TOPS:	THICKNESS	DEPTH
T. Del. S. 4521'	21	4521	Sand-Shale	21	4521
T. Del. L. 4521'	34	4535	Black Lime	34	4535
B. Salt Water	88	4623	Any	88	4623
	67	4690	Any-Gyp	67	4690
	60	4750	Gyp	60	4750
	230	4980	Salt-Any	230	4980
	80	5060	Any-Gyp	80	5060
	178	5238	Salt-Any Shale	178	5238
	178	5416	Any-Gyp	178	5416
	138	5554	Gyp	138	5554
	180	5734	Any-Gyp	180	5734
	388	6122	Salt-Any	388	6122
	332	6454	Any-Gyp	332	6454
	1160	7614	Any-Salt	1160	7614
	190	7804	Any-Sand Shales	190	7804
	378	8182	Any-Gyp	378	8182
	48	8230	Redbed-Any	48	8230
	110	8340	Any	110	8340
	80	8420	Redbed-Gyp	80	8420
	200	8620	Redbed	200	8620
	500	9120	Caliche-Sand-Redbed	500	9120

INFORMATION RECORD—Continued

WESTATES PETROLEUM CORPORATION

WESTATES PETROLEUM CORP. OF TEXAS

HISTORY OF OIL OR GAS WELL

JENNINGS NO. 3
Section 33, 258. 32E.

Spudded making 11" rotary hole, 3-25-57. Drilled 11" rotary hole to 890'. Set and cemented, 875' of 8-5/8" 24# new J-55 YGST. 8rd. thd. csg. at 885' using 250 sacks 50-50 pozmix cnt. and 100 sks. regular neat cnt., circulated to surface on 3-26-57. Tested csg. w/1000# press. w/o loss, 3-27-57, drilled plug 3-28-57 and tested w/1000# ~~for 30" w/o loss of press.~~

Drilled 7-7/8" rotary hole to 4575'. Base of salt by log and drilling time-4318', T. Del. time 4521', T. Del. Sand 4561'. Cored from 4575' to 4585', T. D. Core analysis by Core Lab. showed high water percentage, low permeability. Vertical permeabilty good, low oil percentage. Ran D.S.T. Set packer at 4555'. Tool open 2 hr. gas to surface in 2 mins., mud in 38 min. oil spray w/water, 1 hr. 45 mins., shut in press. after 30 min. 2920#, I.P.P. 180# F.F.P. 785#. Hydr. in and out 2580#. Recovered 18# salt water and 6' oil w/20% water and mud emulsion.

Plugged well from 4535' to 4465' and from 50' to surface. 8-5/8" csg. cnt. to surface from 885'.
D/A April 8, 1957.

[illegible]