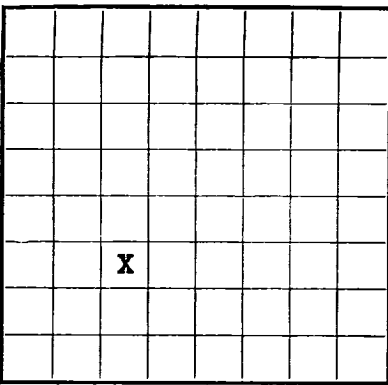


U. S. LAND OFFICE New Mexico
SERIAL NUMBER 011349
LEASE OR PERMIT TO PROSPECT _____

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico
Lessor or Tract Bolack Field Wildcat State New Mexico
Well No. 1-D Sec. 27 T. 29N R. 5W Meridian N.M.P.M. County Rio Arriba
Location 1580 ft. {N.} of S. Line and 1650 ft. {E.} of W. Line of Section 27 Elevation 6800
(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 Samuel WilcoxDate January 8, 1954 Title Petroleum Engineer

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

Commenced drilling 9-30-53, 19____ Finished drilling 12-1-53, 19____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3766 to 3832 (G) No. 4, from 5982 to 6134 (G)
No. 2, from 5565 to 5728 (G) No. 5, from _____ to _____
No. 3, from 5728 to 5982 (G) 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—	
9-5/8	25.4	S. W.	Armedo	160	Armedo				Surface casing
7	28	8 Rd.	Armedo	6046	Armedo				Production casing
7	28	8 Rd.	Armedo	6046	Armedo				Production casing
2	4.7	8 Rd.	Youngst.	6046					Prod. tubing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8	162	125	Circulated		
7	5510	500	Single Stage		

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
quart	Regular	S.N.G.	1540	12-2-53	5594-6134	6134

TOOLS USED

Gas DrillingRotary tools were used from 162 feet to 5510 feet, and from 5510 feet to 6134 feet
Cable tools were used from 0 feet to 162 feet, and from _____ feet to _____ feet

DATES

_____ December 11, 1953, 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. _____

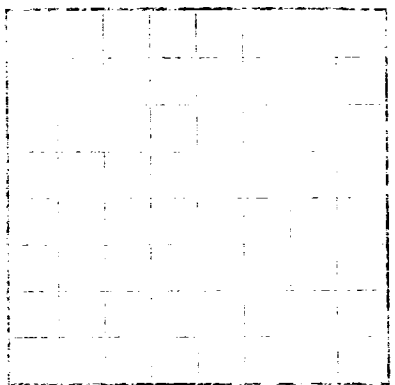
If gas well, cu. ft. per 24 hours 1,790,000 Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 972

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1000	1000	Tan cr-grn ss w/thin sh breaks.
1000	1860	860	Variegated sh w/thin ss breaks.
1860	2965	105	Tan to gry cr-grn ss interbedded w/gry sh.
2965	3175	210	Ojo Alamo ss. White cr-grn s.
3175	3496	321	Kirtland formation. Gry sh interbedded w/tight gry fine-grn ss.
3496	3766	270	Fruitland formation. Gry carb sh, scattered coals and gry, tight, fine-grn ss.
3766	3832	66	Pictured Cliffs formation. Gry, fine-grn, tight, varicolored soft ss.
3832	5565	1733	Lewis formation. Gry to white dense sh w/silty to shaly ss. breaks.
5565	5728	163	Cliff House ss. Gry, fine-grn, dense sil ss.
5728	5982	154	Menefee formation. Gry, fine-grn s, carb sh and coal.
5982	6134	152	Point Lookout formation. Gry, very fine sil ss w/frequent sh breaks.
			Tops
			Ojo Alamo 2965 Lewis 3832
			Kirtland 3175 Cliff House 5565
			Fruitland 3496 Menefee 5728
			Pictured Cliffs 3766 Pictured Point 5982
			Lookout



LOC OF OIL ON GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR.

SECRET - CONTINU

ТЭНЧЭОН'І ОУ ТЭНЧ'І ЛО.

§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. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 8

THE UNIVERSITY OF CHICAGO

The information given above is a complete and correct record of this work and all work done thereon so far as can be determined from the records of the Bureau of Land Management.

Signed _____

Special Agent in Charge

The company on the page is for the condition of the well at no other

1. *Ungleichbehandlung* (unequal treatment) – *Ungleichbehandlung* bedeutet, dass eine Person aufgrund eines bestimmten Merkmals (z.B. Geschlecht, Herkunft, Religion) schlechter behandelt wird als eine andere Person, die in allen anderen Hinsichten gleich ist.

NO OIL OR GAS SANDS OR ZONES

① 勿忘 勿忘草

[illegible]

INVOICE DATE: 1/1/2018

[illegible]

COATING RECORD

[illegible]

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

HISTORY OF OIL OR GAS WELL

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

WILKING AND CEMENTING RECORD

[illegible]

PLUGS AND ADAPTERS

SHOOTING RECORD		ADAPTING - MATERIAL		LIVING PLANT - MATERIAL	
STATION	WEIGHT	STATION	WEIGHT	STATION	WEIGHT
1	100	1	100	1	100
2	100	2	100	2	100
3	100	3	100	3	100
4	100	4	100	4	100
5	100	5	100	5	100
6	100	6	100	6	100
7	100	7	100	7	100
8	100	8	100	8	100
9	100	9	100	9	100
10	100	10	100	10	100
11	100	11	100	11	100
12	100	12	100	12	100
13	100	13	100	13	100
14	100	14	100	14	100
15	100	15	100	15	100
16	100	16	100	16	100
17	100	17	100	17	100
18	100	18	100	18	100
19	100	19	100	19	100
20	100	20	100	20	100
21	100	21	100	21	100
22	100	22	100	22	100
23	100	23	100	23	100
24	100	24	100	24	100
25	100	25	100	25	100
26	100	26	100	26	100
27	100	27	100	27	100
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60	100	60	100	60	100
61	100	61	100	61	100
62	100	62	100	62	100
63	100	63	100	63	100
64	100	64	100	64	100
65	100	65	100	65	100
66	100	66	100	66	100
67	100	67	100	67	100
68	100	68	100	68	100
69	100	69	100	69	100

SHOOTING RECORD

Two letter code of	Country of	City	Altitude	Number of	Year 1964	Page

APRIL 24 1967

[illegible]

19	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	
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EMPLOYEES

Public	Public	Public	Public
Public	Public	Public	Public

FORMATION RECORD

[illegible]