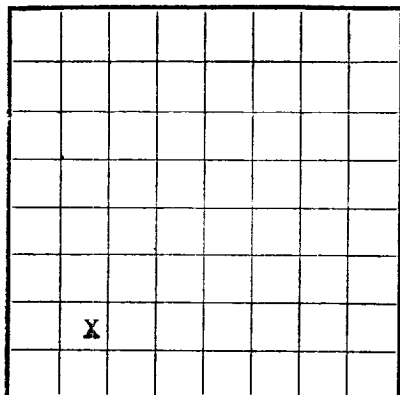
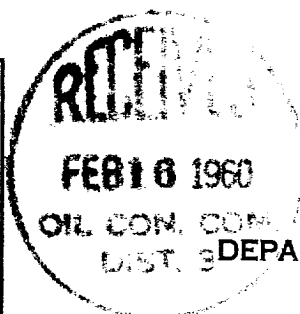




LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYU. S. LAND OFFICE Jicarilla
SERIAL NUMBER Tribal
LEASE OR PERMIT TO PROSPECT Cont. #67

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico
Lessor or Tract Jicarilla Field Wildcat Dakota State New Mexico
Well No. 67-10 Sec. 30 T. 25N R. 5W Meridian N.M.P.M. County Rio Arriba
Location 200 ft. N. of S. Line and 220 ft. E. of W. Line of Section 30 Elevation 6664
(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 February 8, 1960 Signed Original Signed R. G. MILLER IDOC, C-2-M
Title Petroleum Engineer

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

Commenced drilling 12-6, 19 59 Finished drilling 12-29, 19 59

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2592 to 2633 (G) No. 4, from 4802 to 4977 (G)
No. 2, from 4153 to 4191 (G) No. 5, from 6800 to 6935 (G)
No. 3, from 4191 to 4802 (G) No. 6, from 6935 to 7123 (G)

IMPORTANT WATER SANDS

No. 1, from 2592 to 2633 No. 3, from 4191 to 4802
No. 2, from 4153 to 4191 No. 4, from 4802 to 4977

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	From—	To—	Purpose
10 3/4"	82.75	8	J-55	161	Rotary	Surface			Surface
8 1/2"	55.8	8	J-55	166	Rotary	166			166
2"	4.7	8 Rd.	J-55	7015					Prod. Tbg.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	174'	120	Circulated		
7 5/8"	7177	580	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
			See Well History			

TOOLS USED

Rotary tools were used from 0 feet to 7181 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

1-9, 19 60 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 3,570,000 Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 2147 A.O.F. = 4022 MCF/D

EMPLOYEES

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

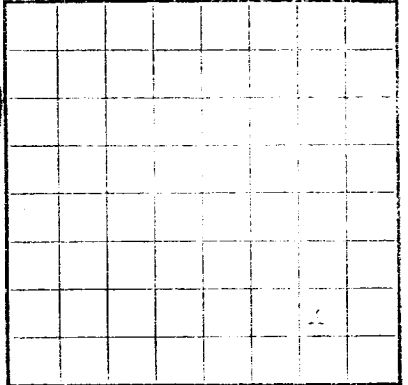
FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2153	2153	Tan to gry cr-grn ss interbedded w/gry sh.
2153	2206	53	Ojo Alamo ss. White cr-grn s.
2206	2461	255	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2461	2592	131	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
2592	2633	41	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
2633	4153	1520	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
4153	4191	38	Cliff House ss. Gry, fine-grn, dense sil ss.
4191	4802	611	Menefee form. Gry, fine-grn s, carb sh & coal.
4802	4977	175	Point Lookout form. Gry, very fine sil ss w/ frequent sh breaks.
4977	5900	923	Mancos formation. Gry carb sh.
5900	6413	513	Ballup form. Lt gry to brn calc carb micac glauco very fine gry ss w/irreg interbed sh.
6413	6480	67	Tocito form. Fr to md grn sub angular to sub rd clr quartz sd glauco lt gr to tan.
6480	6740	260	Sanastee form. Drk gry calc very fine to fine gry ss w/calc veins w/irreg inter drk gry s.
6740	6800	60	Greenhorn form. Highly calc gry sh w/thin lmst
6800	6935	135	Granger form. Drk gry shale, fossil & carb w/pyrite incl.
6935	7123	188	Dakota form. Lt to dk gry foss carb sl calc sil silty ss w/pyrite incl thin sh bands clay

U.S. Land Office _____
Serial Number _____
Lease or Permit to Prospect _____
Cont. #61

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

1981 8 1887
OIL COM. COM.
1981 3 DEF



LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Date Registered: 1900
 72-23-26
 Signed 5960-6063 and 6064-6065
 10001 G-C-M
 Title recorded as follows:
 The information given herewith is a complete and correct record of the well and all work done thereon.
 Location: 1/2 Sec. 32, T. 25N. R. 30E. M. 1/2 of W. 1/2 of Sec. 30
 Elevation: 6064
 County: Adams
 State: New Mexico
 Field: Midwest
 Address: Box 261, Tipton, New Mexico
 Company: El Paso Natural Gas Company

[illegible]

Date	Section	Recovery
7-25	No. 4 from	to
7-23	No. 6 from	to
7-21	No. 6 from	to
7-20	No. 6 from	to
7-19	No. 6 from	to
7-18	No. 6 from	to
7-17	No. 6 from	to
7-16	No. 6 from	to
7-15	No. 6 from	to
7-14	No. 6 from	to
7-13	No. 6 from	to
7-12	No. 6 from	to
7-11	No. 6 from	to
7-10	No. 6 from	to
7-9	No. 6 from	to
7-8	No. 6 from	to
7-7	No. 6 from	to
7-6	No. 6 from	to
7-5	No. 6 from	to
7-4	No. 6 from	to
7-3	No. 6 from	to
7-2	No. 6 from	to
7-1	No. 6 from	to

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 substituted, 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 bailing.

HISTORY OF OIL OR GAS WELL

[illegible]

RECORDING AND CEMENTING RECORD

Host Name to TransA	Host Name to TransB	Host Name to TransC	Host Name to TransD	Host Name to TransE	Host Name to TransF
		Host Name to TransC	Host Name to TransD	Host Name to TransE	Host Name to TransF
		Host Name to TransC	Host Name to TransD	Host Name to TransE	Host Name to TransF

LETTERS AND ADAPTERS

... ..		
... ..		

GEORGE WATKINS

[illegible][illegible]

Holograph code used from	_____	test to _____	TOOLS USED	_____	test and from _____	of test _____
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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. 84

[illegible]

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| 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 |
| 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 |

| | |
|---|------|
| 11. Gas used, cu. ft. per 24 hours | 1000 |
| Gallons gasoline per 1,000 cu. ft. of gas | 1000 |

F. J. A. +---

| | | | | |
|--|--------|-----------|--------|--|
| | Diller | EMPLOYEES | Diller | |
|--|--------|-----------|--------|--|

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[illegible]

10/11/1964