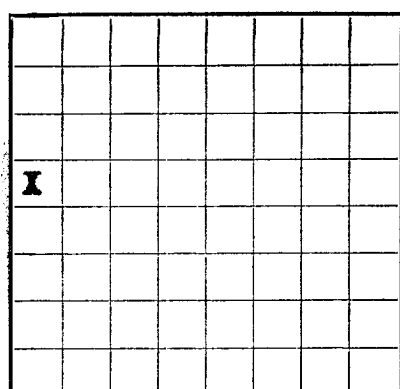


U. S. LAND OFFICE **Las Cruces**
SERIAL NUMBER **LC 032099 b**
LEASE OR PERMIT TO PROSPECT **Lse**

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **Continental Oil Company** Address **Box 68, Eunice, New Mexico**
Lessor or Tract **Lockhart B-31** Field **Jalnat** State **New Mexico**
Well No. **7** Sec. **31** T. **21** R. **36** Meridian **NMPM** County **Lea**
Location **2080** ft. ~~xx~~ of **N** Line and **330** ft. ~~xx~~ of **W** Line of **Sec 31** Elevation **3639'**
(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. F. Keenan**
Date **12-11-56** Title **District Superintendent**

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

Commenced drilling **11-2**, 19 **56** Finished drilling **11-12**, 19 **56**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **3818** to **3836** 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		J-55	1704	guide, float				
5 1/2	14		J-55	3957	guide, float				
(Well plugged back above perf 3910-32, 3935-40)									
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	1700	1000	pump & plug		
5 1/2	3949	1100	pump & plug		

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 **0** feet to **3950** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing **12-8**, 19 **56**

The production for the first 24 hours was **104** barrels of fluid of which **100**% 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

L. E. Rainwater, Driller **C. W. Grant**, Driller
F. N. Downs, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1710	1710	Redbed
1710	1835	125	Anhydrite
1835	3340	1505	Salt
3340	3435	95	Anhydrite, Dolomite
3435	3950 TD	515	Sand, Dolomite, Anhydrite

TD Line 3950', PB 3880', DF 10', elev 3639'. Pay Seven Rivers 3818-36'. Casing point 5 1/2" set at 3949'. Perf 3818-36'. IP pumped 52 bbls 33 gravity oil, no water in 12 hrs. Daily potential 104 bbls oil w/13.3 MCF gas, COR 128. Estimated daily allowable 40 bbls oil. Treated with 2000 gals 15% LSTNE acid, sandfraced w/12,000 gals lease crude w/1# sand and 0.1# adomite per gal. Pipe Line conn: Texas-New Mexico. Drilling started 11-2-56, completed 11-12-56, rig released 11-12-56, tested 12-8-56. Tops: Anhydrite 1710', Salt 1835', Tansill 3340', Yates 3490', Seven Rivers 3773', correlation point. Cactus Drlg Co, contractor.

Tops by R/A log.

1. BASIS OF PERMIT TO PROCEED: 10000
 2. SERIAL NUMBER: 10000
 3. U.S. LAND OFFICE: 10000

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

[illegible]

YJTBRSO * NEW ETACOL

The information furnished herewith is a complete and correct record of the well and all work thereon as far as can be determined from all available records.

Signed _____

Date _____

Tolson _____

Tele. Room _____

Mr. E. A. Tamm _____

Mr. Clegg _____

Mr. Glavin _____

Mr. Ladd _____

Mr. Nichols _____

Mr. Rosen _____

Mr. Tracy _____

Mr. Carson _____

Mr. Coffey _____

Mr. Hendon _____

Mr. Jones _____

Mr. Quinn _____

Mr. Nease _____

Miss Gandy _____

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

Adat: II-II gillim besheni Adat: S-M gillim besheni

(b) (5) DPP, (b) (5) ACP

(F) $\psi \in \mathcal{D}(\mathcal{H})$

Year	From	To	Year	From	To
1981	1980	1981	1981	1980	1981
1982	1981	1982	1982	1981	1982
1983	1982	1983	1983	1982	1983
1984	1983	1984	1984	1983	1984
1985	1984	1985	1985	1984	1985
1986	1985	1986	1986	1985	1986
1987	1986	1987	1987	1986	1987
1988	1987	1988	1988	1987	1988
1989	1988	1989	1989	1988	1989
1990	1989	1990	1990	1989	1990
1991	1990	1991	1991	1990	1991
1992	1991	1992	1992	1991	1992
1993	1992	1993	1993	1992	1993
1994	1993	1994	1994	1993	1994
1995	1994	1995	1995	1994	1995
1996	1995	1996	1996	1995	1996
1997	1996	1997	1997	1996	1997
1998	1997	1998	1998	1997	1998
1999	1998	1999	1999	1998	1999
2000	1999	2000	2000	1999	2000
2001	2000	2001	2001	2000	2001
2002	2001	2002	2002	2001	2002
2003	2002	2003	2003	2002	2003
2004	2003	2004	2004	2003	2004
2005	2004	2005	2005	2004	2005
2006	2005	2006	2006	2005	2006
2007	2006	2007	2007	2006	2007
2008	2007	2008	2008	2007	2008
2009	2008	2009	2009	2008	2009
2010	2009	2010	2010	2009	2010
2011	2010	2011	2011	2010	2011
2012	2011	2012	2012	2011	2012
2013	2012	2013	2013	2012	2013
2014	2013	2014	2014	2013	2014
2015	2014	2015	2015	2014	2015
2016	2015	2016	2016	2015	2016
2017	2016	2017	2017	2016	2017
2018	2017	2018	2018	2017	2018
2019	2018	2019	2019	2018	2019
2020	2019	2020	2020	2019	2020
2021	2020	2021	2021	2020	2021
2022	2021	2022	2022	2021	2022
2023	2022	2023	2023	2022	2023
2024	2023	2024	2024	2023	2024
2025	2024	2025	2025	2024	2025
2026	2025	2026	2026	2025	2026
2027	2026	2027	2027	2026	2027
2028	2027	2028	2028	2027	2028
2029	2028	2029	2029	2028	2029
2030	2029	2030	2030	2029	2030
2031	2030	2031	2031	2030	2031
2032	2031	2032	2032	2031	2032
2033	2032	2033	2033	2032	2033
2034	2033	2034	2034	2033	2034
2035	2034	2035	2035	2034	2035
2036	2035	2036	2036	2035	2036
2037	2036	2037	2037	2036	2037
2038	2037	2038	2038	2037	2038
2039	2038	2039	2039	2038	2039
2040	2039	2040	2040	2039	2040
2041					

INFORMANT: [REDACTED]

02	03	04	05	06	07	08	09	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		
0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09	0.10	0.11	0.12	0.13	0.14	0.15	0.16	0.17	0.18	0.19	0.20	0.21	0.22	0.23	0.24	0.25	0.26	0.27	0.28	0.29	0.30	0.31	0.32	0.33	0.34	0.35	0.36	0.37	0.38	0.39	0.40	0.41	0.42	0.43	0.44	0.45	0.46	0.47	0.48	0.49	0.50	0.51	0.52	0.53	0.54	0.55	0.56	0.57	0.58	0.59	0.60	0.61	0.62	0.63	0.64	0.65	0.66	0.67	0.68	0.69	0.70	0.71	0.72	0.73	0.74	0.75	0.76	0.77	0.78	0.79	0.80	0.81	0.82	0.83	0.84	0.85	0.86	0.87	0.88	0.89	0.90	0.91	0.92	0.93	0.94	0.95	0.96	0.97	0.98	0.99	1.00

CHLOE & GAY

Serial	Date	Weight	Height	Age	Remarks	Kind of shoes and any pulled from	Remarks	Prison used	Purpose
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It is of the greatest importance to have a complete history of the wall. 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 the test for a 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

FROM-	TO-	TOTAL FEET	FORMATION
0	100	100	SANDSTONE
100	200	200	SANDSTONE
200	300	300	SANDSTONE
300	400	400	SANDSTONE
400	500	500	SANDSTONE
500	600	600	SANDSTONE
600	700	700	SANDSTONE
700	800	800	SANDSTONE
800	900	900	SANDSTONE
900	1000	1000	SANDSTONE
1000	1100	1100	SANDSTONE
1100	1200	1200	SANDSTONE
1200	1300	1300	SANDSTONE
1300	1400	1400	SANDSTONE
1400	1500	1500	SANDSTONE
1500	1600	1600	SANDSTONE
1600	1700	1700	SANDSTONE
1700	1800	1800	SANDSTONE
1800	1900	1900	SANDSTONE
1900	2000	2000	SANDSTONE
2000	2100	2100	SANDSTONE
2100	2200	2200	SANDSTONE
2200	2300	2300	SANDSTONE
2300	2400	2400	SANDSTONE
2400	2500	2500	SANDSTONE
2500	2600	2600	SANDSTONE
2600	2700	2700	SANDSTONE
2700	2800	2800	SANDSTONE
2800	2900	2900	SANDSTONE
2900	3000	3000	SANDSTONE
3000	3100	3100	SANDSTONE
3100	3200	3200	SANDSTONE
3200	3300	3300	SANDSTONE
3300	3400	3400	SANDSTONE
3400	3500	3500	SANDSTONE
3500	3600	3600	SANDSTONE
3600	3700	3700	SANDSTONE
3700	3800	3800	SANDSTONE
3800	3900	3900	SANDSTONE
3900	4000	4000	SANDSTONE
4000	4100	4100	SANDSTONE
4100	4200	4200	SANDSTONE
4200	4300	4300	SANDSTONE
4300	4400	4400	SANDSTONE
4400	4500	4500	SANDSTONE
4500	4600	4600	SANDSTONE
4600	4700	4700	SANDSTONE
4700	4800	4800	SANDSTONE
4800	4900	4900	SANDSTONE
4900	5000	5000	SANDSTONE
5000	5100	5100	SANDSTONE
5100	5200	5200	SANDSTONE
5200	5300	5300	SANDSTONE
5300	5400	5400	SANDSTONE
5400	5500	5500	SANDSTONE
5500	5600	5600	SANDSTONE
5600	5700	5700	SANDSTONE
5700	5800	5800	SANDSTONE
5800	5900	5900	SANDSTONE
5900	6000	6000	SANDSTONE
6000	6100	6100	SANDSTONE
6100	6200	6200	SANDSTONE
6200	6300	6300	SANDSTONE
6300	6400	6400	SANDSTONE
6400	6500	6500	SANDSTONE
6500	6600	6600	SANDSTONE
6600	6700	6700	SANDSTONE
6700	6800	6800	SANDSTONE
6800	6900	6900	SANDSTONE
6900	7000	7000	SANDSTONE
7000	7100	7100	SANDSTONE
7100	7200	7200	SANDSTONE
7200	7300	7300	SANDSTONE
7300	7400	7400	SANDSTONE
7400	7500	7500	SANDSTONE
7500	7600	7600	SANDSTONE
7600	7700	7700	SANDSTONE
7700	7800	7800	SANDSTONE
7800	7900	7900	SANDSTONE
7900	8000	8000	SANDSTONE
8000	8100	8100	SANDSTONE
8100	8200	8200	SANDSTONE
8200	8300	8300	SANDSTONE
8300	8400	8400	SANDSTONE
8400	8500	8500	SANDSTONE
8500	8600	8600	SANDSTONE
8600	8700	8700	SANDSTONE
8700	8800	8800	SANDSTONE
8800	8900	8900	SANDSTONE
8900	9000	9000	SANDSTONE
9000	9100	9100	SANDSTONE
9100	9200	9200	SANDSTONE
9200	9300	9300	SANDSTONE
9300	9400	9400	SANDSTONE
9400	9500	9500	SANDSTONE
9500	9600	9600	SANDSTONE
9600	9700	9700	SANDSTONE
9700	9800	9800	SANDSTONE
9800	9900	9900	SANDSTONE
9900	10000	10000	SANDSTONE