

Casing Record:
 12 $\frac{1}{2}$ " - 204' cem.
 9-5/8" - 2750' "
 6-5/8" - 3952' "

New Mexico
 Lea County
 Lumbus Oil & Refining Company
 B. A. Bowers No. 1
 1980' S-L; 660' E-L
 Gen. ~~W-1 S-1~~ Sec. 30-T. 18S-R. 38E
 Elevation: 3652' H.
 Commenced: 6-10-89
 Completed: 2- 6-90

1.7 7 1/2 16/5 11 1/2

Formation	Bottom	Formation	Bottom
Cellar	20	Red sticky shale and anhydrite	
Sand rock	35		1584
Sand and caliche	96	Anhydrite	1595
Sand rock	97	Salt	1630
Flint and sand	102	Red shale	1639
Broken flint	112	Red shale and anhydrite	1659
Sand rock	113	Hard gray lime	1681
Shale and lime shells	135	Salt	1690
Sand and gravel	200	Potash	1695
Red rock	204	Anhydrite	1721
Red beds	230	Red shale and salt	1729
Red shale	440	Anhydrite and lime	1759 ?
Sand and water	460	Salt and streaks anhydrite	1790
Red shale	480	Anhydrite	1800
Shale and boulders	640	Red salt	1812
Sticky shale	630	Anhydrite	1825
Hard sandy shale	731	Salt	1870
Red beds	915	Anhydrite, salt and lime	1910
Hard sandy shale	994	Anhydrite	1920
Rock	1009	Lime	1930
Red beds	1100	Salt	1955
Red beds and sticky hard sand	1123	Salt and red shale	1975
	1143	Salt and anhydrite	2020
Red beds and sandy lime	1133	Anhydrite	2030
Hard red beds	1133	Salt	2050
Hard sandy lime	1133	Anhydrite	2064
Red beds and streaks sandy		Salt	2074
lime	1275	Anhydrite, salt and lime	2095
Red beds and lime	1335	Anhydrite	2105
Hard sand shells, red and		Anhydrite	2110
sandy	1345	Salt	2160
Sandy lime and red beds	1375	Salt	2205
Sandy gray lime	1416	Salt, red and white	2265
Hard red rock, sandy lime		Salt, red and white	2295
and shale	1425	Anhydrite	2300
Hard sandy shale, lime shelly		Red shale, anhydrite, green	
and sand	1440	sand - snow GAS at 2511'	2315
Lime shells, anhydrite and		Lime, anhydrite and salt	2330
red shale	1450	Hard sand, shale, lime and	
Red shale, anhydrite, white		anhydrite	2345
lime and gyp	1485	Broken lime	2415
Anhydrite and lime	1503	Sticky shale	2435
Anhydrite, sandy lime and red		Shale	2439
shale	1513	Hard lime and streaks shale	2470
Anhydrite	1532	Anhydrite and broken lime	2515
Salt	1558	Anhydrite	2540
Anhydrite and green shale	1560	Red bed	2555
Salt	1561	Anhydrite	2585
Red sticky shale and anhydrite		Anhydrite	2607
	1583	Anhydrite	2624

Humble Oil & Refining Company, B. A. Bowers No. 1,
Sec. 30-T.18S-R.38E, Lea County, New Mexico.

Formation	Bottom	Formation	Bottom
Anhydrite	2630	Anhydrite, gypsum and shale	3245
Broken green and red shale	2645	Anhydrite	3255
Anhydrite and gyp	2663	Anhydrite and streaks of shale	
Gray sand - slight show OIL		and lime - Inc. GAS & OIL	
in core from 2663-70'	2670	3295-3300'	3285
Anhydrite and red shale	2677	Anhydrite and broken shale	3310
Anhydrite and hard shale	2701	Anhydrite, shale, sand and	
Anhydrite	2705	lime	3339
Anhydrite and red shale	2739	Anhydrite and sandy shale	3359
Anhydrite	2755	Anhydrite	3367
Core:		Anhydrite	3384
Anhydrite and lime	2761	Anhydrite and shale streaks	3397
Anhydrite, dolomite and red		Anhydrite	3402
rock	2764	Hard anhydrite	3410
Anhydrite - 10 Million GAS		Anhydrite, shale and sand	3438
show	2772	Hard anhydrite	3452
Anhydrite and lime	2780	Anhydrite and broken sandy	
Hard anhydrite	2786	shale	3480
Anhydrite	2790	Anhydrite, sand and shale	3526
red shale	2792	Anhydrite and broken sandy	
Anhydrite	2801	shale	3547
Lime, anhydrite and red shale		Anhydrite and sandy shale	3577
Increase in GAS 2810-20'	2821	Anhydrite and streaks of	
Hard anhydrite	2824	broken sandy shale	3600
Lime and anhydrite	2840	Hard anhydrite	3611
Anhydrite	2870	Hard anhydrite	3625
Anhydrite and lime	2894	Anhydrite and lime	3630
Anhydrite, broken	2908	Lime	3669
Anhydrite and lime	2915	Lime, anhydrite and sand	3682
Anhydrite	2930	Hard lime	3685
Anhydrite, lime and gypsum	2940	Sand - 50 M. GAS from 3684-87'	3688
Hard broken anhydrite	2956	Sand and sandy shale	3690
Broken anhydrite	2971	Broken lime and sandy shale	3695
Anhydrite	2973	Hard lime	3701
Lime, shale and anhydrite	2988	Sandy anhydrite	3703
Shale and broken anhydrite	3004	Core	3703-3716
Anhydrite	3024	Anhydrite, hard	3725
Sandy shale and anhydrite		Anhydrite	3737
streaks	3045	Hard sand - Increase GAS 3737-40'	
Shale and anhydrite	3054		3740
Lime, shale and anhydrite	3070	Anhydrite	3743
Anhydrite and shale	3105	Hard anhydrite	3747
Anhydrite and shale	3121	Anhydrite	3760
Gyp and hard lime	3127	Anhydrite	3765
Gyp and anhydrite	3138	Hard anhydrite	3767
Anhydrite	3143	Anhydrite	3780
Sand and shale - show OIL		Lime and anhydrite	3793
743-49'	3149	Lime	3803
Hard anhydrite	3157	Lime and anhydrite	3808
Lime, anhydrite and shale	3165	Anhydrite - core	
Anhydrite and shale	3186	12' core - recovered 10'	3818
Anhydrite and lime	3201	Anhydrite - core	3843
Hard anhydrite	3222	Lime and anhydrite	3854
		Anhydrite	3863

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Formation	Bottom
Lime - core	3872
Lime - 3907' S.L.H.	3888
Lime - core	3919
Lime and anhydrite - core	3928
Lime - core	3937
Lime	3948
Lime - core	3952
Coring lime	3963
Lime - core	3978
Show OIL in pits	4058
OIL in GAS with returns	4069
Big PAY	4095-4106
Lime (deepened)	4215

I.P. 7632 bbls. daily through
casing and tubing.