

A 10x10 grid for graphing, consisting of 10 columns and 10 rows of squares. The grid is used for plotting the graph of the function $y = \frac{1}{2}x^2$.

LOCATE WELL CORRECTLY

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 032326 (a)
LEASE OR PERMIT TO PROSPECT Lease

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL.

Company ----- Continental Oil Company ----- Address ----- Box CC - Hobbs, New Mexico -----
Lessor or Tract ----- E. E. Jack A-20 ----- Field ----- Mattix ----- State ----- New Mexico -----
Well No. ----- 5 ----- Sec. ----- 20 ----- T. ----- 24 ----- R. ----- 37 ----- Meridian ----- N.M.P.M. ----- County ----- Lea -----
Location ----- 1980ft. { N. } of ----- S. Line and ----- 1980ft. { E. } of ----- E. Line of ----- Sec. 20 ----- Elevation ----- 3274

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 /s/ H. L. Johnston

Date July 27, 1939

Title-----Dist. Supt.-----

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

Commenced drilling ----- ~~6-5-39~~ -----, 19----- Finished drilling ----- ~~6-28-39~~ ----- 19-----

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3490 to 3580 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

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	260	150	Halliburton		
7"	3387	900	Halliburton		
	(Above depths calculated from ground level)				

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
3 1/2"	Risonite	S.N.G.	330 qts.	6-30	3485-3584'	

TOOLS USED

Rotary tools were used from 0 feet to 3584 feet, and from _____ feet to _____ feet.

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

DATES

July 27, 1939, 19 Put to producing July 1, 1939, 19

The production for the first 24 hours was 336 barrels of fluid of which 100 % was oil; % emulsion; % water; and % sediment. Gravity, °Be

If gas well, cu. ft. per 24 hours -----300,000----- Gallons gasoline per 1,000 cu. ft. of gas -----

Rock pressure, lbs. per sq. in. _____

Rock pressure, lbs. per sq. in. -----

EMPLOYEES

Lee Durham, Driller A. I. Pierce, Driller

_____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION

FORMATION RECORD-Continued

FROM-	TO-	TOTAL FEET	FORMATION
0	50	50	Surface sand
50	240	240	Sand and redbed
375	590	590	Redbed and shale
590	725	725	Redrock and shale
725	1160	1160	Redrock
1160	1255	1255	Anhydrite
1255	1356	1356	Salt shells
1356	1520	1520	Salt, shale, and shells
1520	1780	1780	Salt and anhydrite
1780	1950	1950	Salt, anhydrite, and shale
1950	2555	2555	Salt and anhydrite
2555	2670	2670	Salt
2670	2720	2720	Salt and anhydrite
2720	2868	2868	Anhydrite
2868	2908	2908	Lime and anhydrite
2908	2930	2930	Anhydrite and lime shells
2930	2970	2970	Sand and shale
2970	3050	3050	Anhydrite and lime
3050	3080	3080	Lime and GYP
3080	3105	3105	Lime
3105	3132	3132	Shale
3132	3176	3176	Lime
3176	3198	3198	Lime and GYP
3198	3429	3429	Lime
3429	3439	3439	Sandy lime
3439	3500	3500	Lime
3500	3508	3508	Sandy lime
3508	3516	3516	Lime
3516	3522	3522	Sandy lime
3522	3531	3531	Lime
3531	3574	3574	Broken sand and lime
3574	3581	3581	Lime
3581	3584	3584	Sandy lime
3584	3587	3587	Lime
3587	3588	3588	Lime
3588	3589	3589	Lime
3589	3590	3590	Lime
3590	3591	3591	Lime
3591	3592	3592	Lime
3592	3593	3593	Lime
3593	3594	3594	Lime
3594	3595	3595	Lime
3595	3596	3596	Lime
3596	3597	3597	Lime
3597	3598	3598	Lime
3598	3599	3599	Lime
3599	3600	3600	Lime
3600	3601	3601	Lime
3601	3602	3602	Lime
3602	3603	3603	Lime
3603	3604	3604	Lime
3604	3605	3605	Lime
3605	3606	3606	Lime
3606	3607	3607	Lime
3607	3608	3608	Lime
3608	3609	3609	Lime
3609	3610	3610	Lime
3610	3611	3611	Lime
3611	3612	3612	Lime
3612	3613	3613	Lime
3613	3614	3614	Lime
3614	3615	3615	Lime
3615	3616	3616	Lime
3616	3617	3617	Lime
3617	3618	3618	Lime
3618	3619	3619	Lime
3619	3620	3620	Lime
3620	3621	3621	Lime
3621	3622	3622	Lime
3622	3623	3623	Lime
3623	3624	3624	Lime
3624	3625	3625	Lime
3625	3626	3626	Lime
3626	3627	3627	Lime
3627	3628	3628	Lime
3628	3629	3629	Lime
3629	3630	3630	Lime
3630	3631	3631	Lime
3631	3632	3632	Lime
3632	3633	3633	Lime
3633	3634	3634	Lime
3634	3635	3635	Lime
3635	3636	3636	Lime
3636	3637	3637	Lime
3637	3638	3638	Lime
3638	3639	3639	Lime
3639	3640	3640	Lime
3640	3641	3641	Lime
3641	3642	3642	Lime
3642	3643	3643	Lime
3643	3644	3644	Lime
3644	3645	3645	Lime
3645	3646	3646	Lime
3646	3647	3647	Lime
3647	3648	3648	Lime
3648	3649	3649	Lime
3649	3650	3650	Lime
3650	3651	3651	Lime
3651	3652	3652	Lime
3652	3653	3653	Lime
3653	3654	3654	Lime
3654	3655	3655	Lime
3655	3656	3656	Lime
3656	3657	3657	Lime
3657	3658	3658	Lime
3658	3659	3659	Lime
3659	3660	3660	Lime
3660	3661	3661	Lime
3661	3662	3662	Lime
3662	3663	3663	Lime
3663	3664	3664	Lime
3664	3665	3665	Lime
3665	3666	3666	Lime
3666	3667	3667	Lime
3667	3668	3668	Lime
3668	3669	3669	Lime
3669	3670	3670	Lime
3670	3671	3671	Lime
3671	3672	3672	Lime
3672	3673	3673	Lime
3673	3674	3674	Lime
3674	3675	3675	Lime
3675	3676	3676	Lime
3676	3677	3677	Lime
3677	3678	3678	Lime
3678	3679	3679	Lime
3679	3680	3680	Lime
3680	3681	3681	Lime
3681	3682	3682	Lime
3682	3683	3683	Lime
3683	3684	3684	Lime
3684	3685	3685	Lime
3685	3686	3686	Lime
3686	3687	3687	Lime
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3697	3698	3698	Lime
3698	3699	3699	Lime
3699	3700	3700	Lime
3700	3701	3701	Lime
3701	3702	3702	Lime
3702	3703	3703	Lime
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3708	3709	3709	Lime
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3741	3742	3742	Lime
3742	3743	3743	Lime
3743	3744	3744	Lime
3744	3745	3745	Lime
3745	3746	3746	Lime
3746	3747	3747	Lime
3747	3748	3748	Lime
3748	3749	3749	Lime
3749	3750	3750	Lime
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3765	3766	3766	Lime
3766	3767	3767	Lime
3767	3768	3768	Lime
3768	3769	3769	Lime
3769	3770	3770	Lime
3770	3771	3771	Lime
3771	3772	3772	Lime
3772	3773	3773	Lime
3773	3774	3774	Lime
3774	3775	3775	Lime
3775	3776	3776	Lime
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3781	3782	3782	Lime
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3784	3785	3785	Lime
3785	3786	3786	Lime
3786	3787	3787	Lime
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3797	3798	3798	Lime
3798	3799	3799	Lime
3799	3800	3800	Lime
3800	3801	3801	Lime
3801	3802	3802	Lime
3802	3803	3803	Lime
3803	3804	3804	Lime
3804	3805	3805	Lime
3805	3806	3806	Lime
3806	3807	3807	Lime
3807	3808	3808	Lime
3808	3809	3809	Lime
3809	3810	3810	Lime
3810	3811	3811	Lime
3811	3812	3812	Lime
3812	3813	3813	Lime
3813	3814	3814	Lime
3814	3815	3815	Lime
3815	3816	3816	Lime
3816	3817	3817	Lime
3817	3818	3818	Lime
3818	3819	3819	Lime
3819	3820	3820	Lime
3820	3821	3821	Lime
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3844	3845	3845	Lime
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3849	3850	3850	Lime
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3866	3867	3867	Lime
3867	3868	3868	Lime
3868	3869	3869	Lime
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3870	3871	3871	Lime
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