

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION				
DRILLER'S LOG							
0	1600		Red beds, gravels, sand				
1600	1700		Anhydrite				
1700	2785		Salt				
2785	2957		Anhydrite				
SAMPLE LOG							
		%	%	%	%	%	
		Dolo	Salt	Anhydrite	Shale	Sand	
2957	2970		80	10		10 red	
2970	2980			100			
2980	2988			60		40 red	
2988	3006			80		20 red f.q.g.	
3006	3016			60		40 red	
3016	3027			90	10 red		
3027	3037			20	10 red	70 red f.q.g.	
3037	3044			10	70 red	20 red silty	
3044	3045			80	20 red		
3045	3075			100			
3075	3087			95	5 red		
3087	3096			10		90 red	
3096	3103			20		80 red	
3103	3110			95	5 red		
3110	3121			100			
3121	3131			95	5 red		
3131	3140			95		5 red	
3140	3165			100			
3165	3173	10 tan		90			
3173	3185			95		5 grey	
3185	3194			70		30 grey f.q.g.	
3194	3203			95		5 grey	
3203	3212	30 buff f.x.		60	5 grey	5 grey	
3212	3220			85	10 grey silty	5 grey	
3220	3227	70 buff f.x.			30 grey silty		
3227	3232	--					
3232	3242			80	15 grey	5 grey	
3242	3247			90	10 grey		
3247	3253	20 buff f.x.		70	10 grey		
3253	3295			100			
3295	3312			30	70 grey		
3312	3322			20	80 grey black stains		
3322	3330			80	15 red - 5 grey		
3330	3337	30 buff			70 grey		
3337	3343			98	2 grey		
3343	3395			100			
3395	3405	90 buff f.x.		10			
3405	3425	10 buff f.x.		90			
3425	3495			100			
3495	3505	5 buff f.x.		90	5 red		
3505	3545			100			
3545	3562			95	5 red		
3562	3573	20 tan anhy.		80			
3573	3623			100			
3623	3635	10 tan		90			
3635	3650			100			
3650	3665			100			
3665	3675	5 tan		95			
3675	3693			100			
3693	3704			80		20 grey red	
3704	3720	20 tan		80			
3720	3726			100			
3726	3733	10 tan		90			
3733	3747			90		10 red	
3747	3763			100			
3763	3773			90		10 red	
3773	3804			100			
3804	3850			95	5 red		
3850	3861			95	5 red		
3861	3880			100			
3880	3890			90		10 red	
3890	3905			100			
3905	3913	5 buff		90		5 red	
3913	3926			100			
3926	3936	5 buff		90	5 red		
3936	3950			90	10 red		
3950	3962			65	30 red	5 red	
3962	3970			60	30 red	10 red	
3970	3980					100 red f.q.g.	
3980	3985			20		80 red f.q.g.	
3985	3995	30 red very sandy		70			
3995	4008	90 buff f.x.		10			
4008	4023	10 buff f.x.		90			
4023	4040			100			
4040	4055			100			
4055	4064			85		5 red - 10 grey	
4064	4078	90 tan c.x.		10			
4078	4090	80 grey		20			
4090	4103			90		10 grey	
4103	4121			100			
4121	4133	30 buff f.x.		60	10 grey		
4133	4151			10		90 red tight	
4151	4165	95 buff f.x.		5			
4165	4178	20 buff f.x.		75		5 red	
4178	4198	90 buff f.x.		10			
4198	4204	90 buff f.x.			5 red	5 red	
4204	4220	30 buff f.x.				40 red	
		30 pink f.x.					
4220	4230	60		20		20 red	
4230	4245	10		10		80 red	
4245	4260	10 pink f.x.		90			
4260	4273	10 pink f.x.		70		20 red	
4273	4285	90 buff f.x.				10 red	
4285	4295	30 buff f.x.				70 red	
4295	4304	80 pink f.x.		10	10 red		
4304	4315	80 pink		10		10 red	
4315	4330	5 pink f.x.		5		40 red - 50 grey	
4330	4345			80		20 red	
4345	4390	100 buff f.x.					
4390	4403	95 buff f.x.				5 grey silty	
4403	4416	20 buff f.x.					

FORMATION RECORD CONTINUED FROM FORM C-105 Phillips State Well # 1 in NWNE of Section 6, Township 18S, Range 34E, N.M.P.M. Vacuum Field, Lea County. Lease # R 4118
Company - Malco Refineries, Inc., et al.

		% Dole	grey % Sand
4487	4497	90 tan coarsely xyn oil stained	
		10 grey sandy	
4497	4512	90 buff f.x.	10 tightly cemented
4512	4525	100 buff f.x.	
4525	4537	100 buff f.x. 10% slightly oolitic - dead oil staining	
4537	4545	90 buff sandy, oil stained	10
4545	4559	100 buff f.x.	
4559	4580	100 buff coarsely xyn, oolitic, not porous	
4580	4590	100 white f.x.	
4590	4602	90 white f.x.	
		10 buff sandy oil stained	
4602	4614	20 buff sandy oil stained	
		80 buff f.x.	
4614	4627	100 white f.x. slightly oolitic some oil stain, tract porosity	
4627	4649	95 buff & white xyn slightly oolitic	5 slight stain
4649	4660	90 buff c.x. to granular slight porosity	10 " "
4660	4666	100 buff extremely oolitic slight stain no porosity	
4666	4680	100 " " " " " slight "	
4680	4692	50 buff c.x.	50 very tight light stain
4692	4706	100 buff very granular fair porosity oil stained	
4706	4715	100 buff sandy " " " good staining	
4715	4730	50 buff " "	50 very poor porosity fair stain.
4730	4742	100 grey sand trace stain no porosity	
4742	4755	70 white f.x.	30 oil stain
4755	4767	100 white f.x. trace good oil stain in solution porosity	
4767	4778	50 white f.x.	50 oil stained
4778	4788	100 white f.x. fairly porous reefy - no stain.	

NOTE: One gallon oil and 10 gallons water per hour from 4627 - 4639
Six gallons water per hour 4778 - 4788.