

STATE	COUNTY	ELEVATION	W.T.W.		COMPANY		WELL NO.							
New Mexico	Eddy	3435 D.F.	W.T.W.		1 copy rec'd. T. J. Sivley									
KIND OF SAMPLES	LOCATION	S	T	R	FARM	WELL NO.								
C.T.	990' FN & WL	16	19-5	31-E	Allied-State	1								
DEPTH	DOLO	LIME	DESCRIPTION	SALT	ANHY	SHALE				SAND		CHT.	NOTES	
	%	%		%	%	Red	Gry.	Grn.	Blk.	Red	Gry.	Description	%	
283-305					Gyp. silty 10 40					45	5	vfg shly.		
305-15					5 same 15 same					75	5	ditto		Tr. large rounded FGS. A few clumps poorly sorted f-mg sd. Tr. same FGS
315-25					Tr. 15					85	Tr.	✓		✓
325-35					Tr. 10					90	Tr.	✓		✓
335-45		sl. tr.			15					70	15	✓		✓
345-57					5					95		vfg fmg shly.		Numerous med. to lg
357-67		✓			5					95	Tr.	ditto		same
367-75					35					65	Tr.	vfg shly.		✓
375-85		✓			35					65	✓	vfg	✓	
385-97		✓			Tr. 40 sl. Tr.					50	10	same & fg wh		Tr. ✓
397-405		✓			Tr. 50					45	5	✓ & vfg gy-wh		✓ ✓
405-12					Tr. 20					75	5	✓ same		
412-25					10 20					65	5	✓	✓	
425-35					5 25					70	Tr.	✓	✓	
435-45					Tr. 50					50	✓	✓	✓	
445-55					Tr. 80 Tr.					20	Tr.	✓	✓	
455-65					60 wh. A. 35					5	sl. Tr.	✓	✓	Tr. Rustler Anhy. 455 (+3030)
465-75					95 5 same					Tr.				
475-83					95 5					Tr.				
483-95					85					15		same		
495-503	5		Ans. gy-brn. silty & red shly.	80	5					10		✓		RECEIVED
503-10				100	Tr.					Tr.		✓		
510-15				100	Tr.					Tr.		✓		SEP 25 1967
515-25	90		vfg pale to lt. brn., anhytic. & silty dolo	10										O. C. C. ARTESIA OFFICE
525-35	90		same, some dull tan	10						Tr.		✓		
535-44	90		same, ✓ & some pink	10	Tr.					Tr.		✓		
544-58	5			95										
558-62	10			90										
562-71	5			95										
571-82				100										
582-91				100										
591-602				75	5					5	Tr.	✓		Gyp. 15
602-14				70 wh. 3 brn. 50 same						20	✓	✓		same 10
614-21	20		vfg pale to lt. brn. anhytic. & sl. silty. dolo.	50						20		✓		✓ 10 / 10% pp. to vuggy por in dolo.
621-26	70		same & vfg gy-wh, anhytic, ool. dolo.	10						15				✓ 5 / 65% opp.

STATE	COUNTY	ELEVATION			COMPANY	
New Mexico	Eddy	3485 D.F.	W.T.W.		T. J. Sivley	
KIND OF SAMPLES	LOCATION	S	T	R	FARM	WELL NO.
C.T.	990' PN & WL	16	19-5	31-E	Allied-State	1

DEPTH	DOLO	LIME	Description	SALT	ANHY	SHALE				SAND		OHT.	NOTES	
	%	%		%	%	Red	Gry.	Grn.	Blk.	Red	Gry.			Description
626-38	95		Vfg suc. wh. to gy. wh. Y. Tr. str. (prob. 365), some 1st. brn. ool. AA, Y. St. silty & anhytic.		Tr						5		Vfg shly.	10% poro. PP to ool. por. in dol. AA
638-44	90		Same		5						5		Same	5% ✓
644-56	20		Vfg H. brn., sl. silty & anhy., some ool., Y. H. str.		65 anhy						5		✓	10% ✓
656-65	25		Same		65 anhy						Tr			20% ✓
665-74	40		✓		45 anhy						Tr.			25% ✓
674-80	30		✓	35	20 anhy						Tr.			20% ✓
680-85	45		✓	15	25 anhy						Tr.			35% ✓
685-92	45		✓		35 anhy						5		✓	20% ✓
692-702	50				25 anhy						10		✓	some pipe scale PODR SMPL.
702-10					10 gyp						5		✓	5% cmt., not logged
710-20	5				55 wh. anhy						15		✓	65% ditto
720-35				75	10 anhy.									35% ✓
735-50				80	15 poly.									10% ✓
750-64				85	10 ✓						5			Tr ✓
764-80				85	5 ✓						Tr			
780-92				90	5 ✓						Tr			
792-807				95	10 ✓						Tr			
807-23				90	Tr	Tr					Tr			
823-38				65	35 ✓									
838-50				70	Tr									
850-63					100 ✓									
863-75				Tr	Tr									
875-86				65	25 ✓									
886-900				80	10 ✓									
900-12				85	5 ✓									
912-25				95	Tr									
925-40				100	5 ✓									
940-55				95	Tr									
955-66				75	5 ✓									
966-80				60	20 ✓									
980-95				75	15 ✓									
995-1015				85	10 ✓									
1015-29				85	5 ✓	Tr	Tr							
1029.45				80	15 ✓									
1045-61				80	5 ✓	Tr								

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W. T. Kayman

STATE New Mexico	COUNTY Eddy	ELEVATION 3485 D.F.	W.T.W.		COMPANY T. J. Sivley	
KIND OF SAMPLES C.T.	LOCATION 990' FN & WL	S 16	T 19-5	R 31-E	FARM Allied-state	WELL NO. 1

DEPTH	DOLO	LIME	Description	SALT	AKNY	SHALE				SAND			CHT.	NOTES
	%	%		%	%	Red	Gry.	Grn.	Blk.	Red	Gry.	Description	%	
1061-75				85	100									
1075-90				90	100									
1090-1105				90	100									
1105-20				95	100									
1120-30				95	100					5		vfg shly		
1130-50				100	100									
1150-62				90	100					Tr.		✓		
1162-78				100	100					Tr.		✓		
1178-93				90	100									
1193-1206				90	100									
1206-22				80	100									
1222-35				75	100									
1235-50				85	100									
1250-73				85	100									
1273-90				85	100									
1290-1310				80	100									
1310-25				70	100									
1325-45				30	100									
1345-60				45	100									
1360-75				95	100									
1375-97				95	100									
1397-1415				100	100									
1415-32				85	100									
1432-46				95	100									
1446-64				100	100									
1464-80				100	100									
1480-95				90	100									
1495-1507				85	100									
1507-20				60	100									
1520-35				55	100									
1535-58				95	100									
1553-75				85	100									
1575-90				95	100									
1590-1604				90	100									
1604-18				95	100									

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SAMPLE
CONTAMINATED

W. T. Long

STATE New Mexico	COUNTY Eddy	ELEV 3485 D.F.	W.T.W		COMPANY T. J. Sivley			
KIND OF SAMPLES C.T.	LOCATION 990' FN & WL	S 16	T 19-5	R 31-E	FARM Allied-State			WELL NO. 1

DEPTH	DOLO %	LIME %	Description	SALT %	ANHY %	SHALES				SAND		Description	OHT. %	NOTES
						Red	Gry.	Grn.	Blk.	Red	Gry.			
1618-36				80	Tr. Anhy. 20 Po ly.									
1636-50				80	Tr. ✓ 20 ✓									
1650-60				40	50 ✓ 10 ✓									
1660-81				60	10 ✓ 30 ✓									
1681-1700				75	10 ✓ 15 ✓									
1700-17				85	15 ✓ Tr. ✓									
1717-40				90	10 ✓ Tr. ✓									
1740-60				50	50 ✓ Tr. ✓									
1760-74					65 clear wh. & wh. anhy					10		vfg pale brn. anhydrite sd. some grn., blk. & red grains		T. Cowden 1740 (+1745) 25 vfg pale brn. ool. anhy. v. sl. dol. one-half v. sl. para & v. it. sm.
1774-89				75	10 same					15		same, v. it. sm.		
1789-1807				65	25 ✓ Tr. ✓					10		✓ ✓		Tr. same
1807-24				85	10 ✓ Tr. ✓					5		✓		
1824-42				85	15 ✓ Tr. ✓					Tr.				
1842-57				95	5 ✓ Tr. ✓									
1857-75				90	10 ✓ Tr. ✓									
1875-90				95	5 ✓ Tr. ✓									
1890-1912				85	Tr. ✓ 5 ✓					10		vfg anhydrite sd		
1912-32				80	15 ✓ Tr. ✓					5		same		
1932-51				80	15 ✓ 5 ✓					Tr.		✓		
1951-65				40	40 ✓ 20 ✓					Tr.		✓		
1965-75				80	20 wh. & pink anhy.									
1975-85	20		Chky. to vfg v. pale pinkish-brn. anhytic dolo., some ool. silt.		45 wh. anhy. 35 pink anhy									Base Salt 1975 (+1510)
1985-96	10		same		55 same 35 same									
1996-2010	5				65 ✓ 25 ✓									
2010-29	5				35 ✓ 50 ✓ silty									
2029-41	5				55 ✓ 30 ✓									
2041-50	5				55 ✓ 25 ✓ Tr.					10	5	red shly. anhydrite silt & vfg gy-wh. anhydrite sd.		
2050-61	10		Chky. to vfg pale brn. anhytic. dolo., tr. ool.		45 ✓ 25 ✓ 5					10	5	As above		
2061-69	15		same		45 ✓ 30 ✓					5	Tr.	✓ ✓		
2069-77	Tr.				40 ✓ 60 ✓ Tr.					Tr.	Tr.			
2077-85	5		✓		70 ✓ 25 ✓ Tr.					Tr.				
2085-2100	25		✓		70 ✓ 5 ✓					Tr.				
2100-17	10		✓		70 ✓ 15 ✓ 5					Tr.				
2117-28	10		✓		70 ✓ 20 ✓ Tr.					Tr.				
2128-40	25		✓, dense		75 ✓ Tr. Tr.									

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W.T. Lynn

STATE	COUNTY	ELEV N	COMPANY										
New Mexico	Eddy	3485 D.F.	W.T.W.	T. J. Sivley									
KIND OF SAMPLES	LOCATION	S	T	R	FARM	WELL NO.							
C.T.	990' FN & WL	16	19-S	31-E	Allied. state	1							
DEPTH	DOLO %	LIME %	DESCRIPTION	SALT %	AHNY %	SHALE	SAND	CHT. %	NOTES				
						Red Gry. Grn. Blk.	Red Gry. Description						
2140-47	35		Dns. chky. to vfg pale to lt. brn. anhytic. dolo. some ool. v. lt. stn. on fresh break		65 wh. anhy.								
2147-53	30		same to lt. tan		70 same								
2153-61	75		✓ ✓ ✓ ✓ tr. w/lt. stn.		25 ✓ Tr.								
2161-72	35		Dns. lt. gy-brn. earthy, anhytic. & silty dolo.		55 ✓		10 Silt to vfg gy anhydrite sd. some pink & blk. grains, partly shly.						
2172-81	15		same		85 ✓		Tr. same						T. Yates 2181 (+1304)
2181-95	20		Dns. pale brn. anhytic & silty dolo.		45 wh 5 15 red silty	5 brnsh-gy silty	Tr. 10 ✓ & qtz.						4 FQGS
2195-222	20		same		60 Tr. ✓	5 same	Tr. 15 same, 1/3 brn. w/v. sl. stn.						FQGS
2212-26	25		✓		55 ✓	Tr. Tr.	10 5 silt to vfg sl.						FQGS
2226-38	15		✓		55 ✓	Tr. Tr.	10 Tr. ✓						Tr. ✓
2238-50	10		✓		45 ✓	Tr. Tr.	10 Tr. ✓						FQGS
2250-65	Tr.		✓		30 ✓	Tr. Tr.	15 5 ✓ much dirty gy-brn.						Tr. ✓ (in place, in 3d. clumps)
2265-76	Tr.				30 ✓	15 silty	Tr. 15 vfg-fg gy to mottled brnsh-blk. w/v. lt. stn.						FQGS
2276-85					15 ✓	10 same	5 45 same, 1/3 w/v. lt. stn.						FQGS
2285-2300	50		Dns. wh. to pale brn. (35) & pink to red (15) anhytic.		20 ✓	5 ✓	Tr. 5 same, tr. ✓ ✓ ✓						Tr. FQGS
2300-11	50		same wh/brn (20) & pink/red, silty (30), anhytic		25 ✓	Tr.	Tr.						
2311-25	35		chky. to dns. wh., sl. anhytic. & silty dolo. tr. red		15 ✓	Tr.	15 5 silt to vfg red & vfg-fg gy & wh. w/colored grains						
2325-37	30		Dns. wh. to pale brn. (20) & pink (10) sl. anhytic. & silty		30 ✓	5 Tr.	5 Tr. ✓						RECEIVED
2337-48	70		chky. wh. & dns. wh. to crm. v. sl. anhytic. dolo.		25 ✓	Tr. Tr.	5 Tr. ✓						
2348-56	80		same, sl. glauc. (70) & pink, sl. silty (10)		20 ✓	Tr. brnsh-gy. Tr.	Tr.						SEP 24 196
2356-66	85		same wh/crm., sl. glauc. (80) same pink (5)		15 ✓	Tr. Tr. Tr.	Tr.						O. C. C. ARTESIA, OFFICE
2366-76	25		✓ (20) ✓ (5)		Tr.	✓	70 vfg-fg pale to lt. tan sl. dolc. & v. pyr. w/lt. oil stn.						FQGS
2376-85	25		Dns. wh. to pale tan, silty & pyr.		Tr.	Tr.	75 same (15) & silt to vfg gy-wh. & brnsh-blk. mottled dolc. (60) Tr. FQGS						
89	25		same, tr. stn.			10	65 same (25) & ditto sl. stn., pyr. (25) & wh. dolc. (15)						
97	60		Dns. wh. silty				40 same tan (30) & same, mottled (10)						
2401	100		Dns. wh., tiny flex pyr., 1/2 w/v. lt. oil stn.				Tr.						
06	100		same, 70% ✓ ✓ ✓			Tr. bent.	Tr.						
15	25		✓ Tr. stn.			Tr. bent	75 vfg-fg wh. gy-wh. dolc. sd. some flex pyr.						
22	25		✓				70 Fg lt. tan oil stn. (20) & wh. dolc. (50)						Abundant 5% FQGS
30	30		✓			5	60 same tan (10) & silt to vfg-fg wh. dolc. (50)						5% FQGS
35	15		✓ sl. silty				75 vfg-fg wh., dolc. & pyr., v. lt. stn.						10% pyr.
40	50		chky. & dns. wh., sl. silty, a few flex pyr., v. lt. stn.				50 same						✓ ✓ ✓
47	90		chky. & dns. wh. to pale brn., some silty w/ flex pyr.		10. silty & pyr.								
52	90		same, tr. ool., tr. silty, tr. pyr.		1/2 w/v. lt. stn. fresh break		10 silt, gy., shly. & dolc.						
60	70		✓ sl. ✓ sl. ✓		2/3 ✓ ✓ ✓	✓	30 silt to vfg gy to wh. sd., dolc. some pyr., v. lt. stn., fresh break						
64	95		✓ wh. ✓ ✓ tr. ✓		✓	✓ ✓ ✓	5 same						

W.T. Wynn