INFORMATION ONLY

Kevin O. Butler & Associates, Inc. – Remediation Project
New Mexico State DE Well API# 30-025-21618
UL F Section 18, TS-17S, R37E
Lea County, NM

Background:

Suspected contamination appears to be due to a previous spill in 2014 where there was extensive clean-up and dirt work performed as well as a recent small leak from the stuffing box cause by the extreme cold weather conditions. On January 28, 2017, OCD received a call advising that there had been a recent leak on our location. George with OCD contacted Merch and met up with pumper, Buddy Copeland, at the well. Due to the recent below freezing temperatures, the stuffing box sprayed a small amount (less than ½ a gallon per George) of oil and it was on the ground. George advised Buddy to take and throw some fresh dirt over it and that there was nothing for him to report back to Maxey Brown. All was ok with the site. February 2017, we received email from SLO requesting delineation and remediation work. C141 submitted February 22, 2017 for clean-up efforts.

Preliminary Site Investigation:

Kevin O. Butler & Associates, Inc. met with SLO and OCD onsite on March 21, 2017. A preliminary investigation of the site shows a contamination area in front of the well and at stuffing box. Kevin O. Butler & Associates Inc. has been asked to perform sampling of the soil and remove any contaminated dirt. Samples must be taken below contamination area. At least 3 samples from various depths are required and need to go as far as 10 feet below chloride level. Sample areas are to be outlined on a map of the site and SLO/OCD must be notified prior to sampling.

Scope of Work:

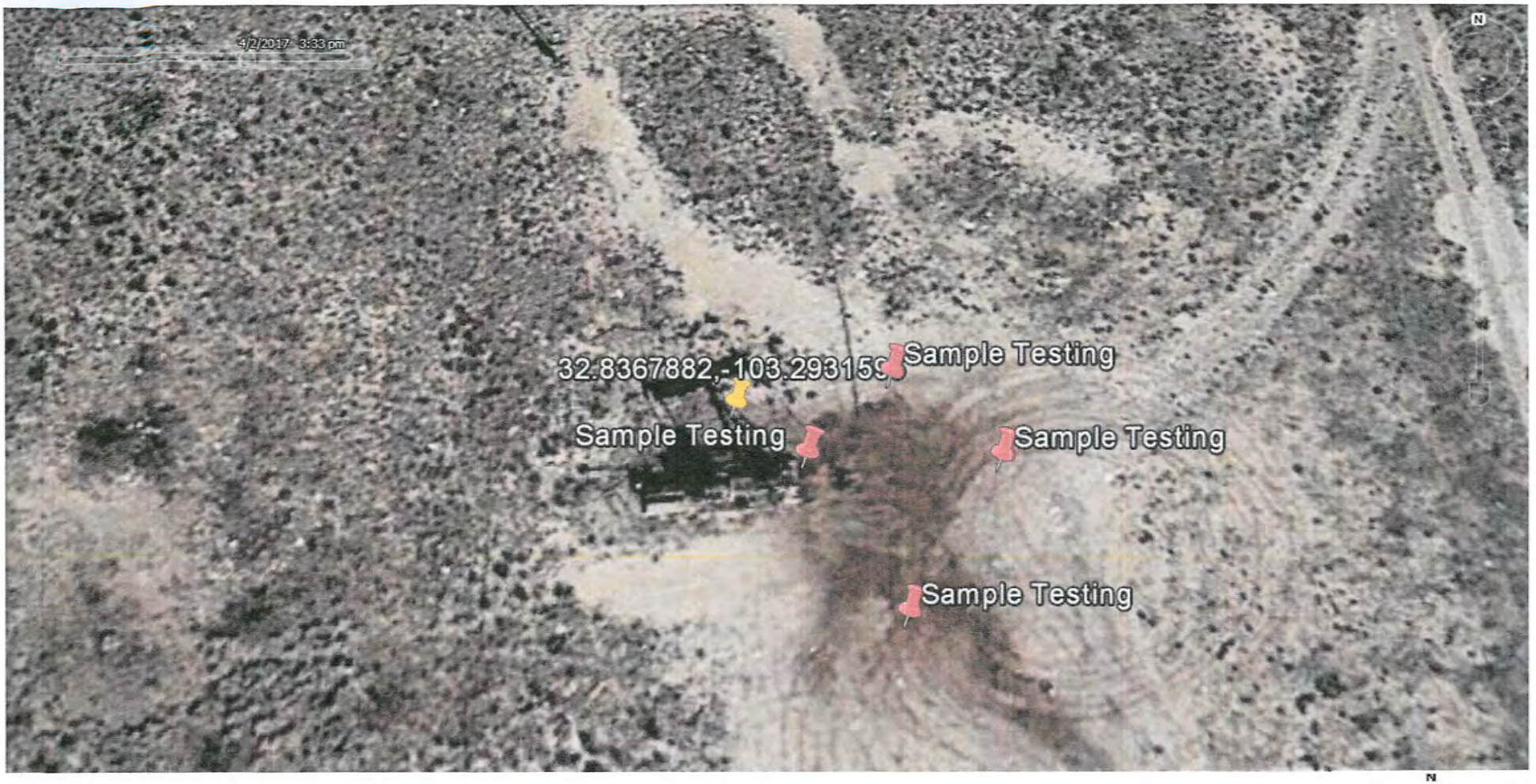
The SLO and OCD have requested a complete clean up and disposal of any suspected contaminated dirt after soil samples have been taken. Kevin O. Butler & Associates, Inc. has retained the services of Victory Energy Services, Inc. to remove any contaminated soil and dispose of it at an OCD approved landfill.

Plan of Action:

Kevin O Butler & Associates, Inc. will dig out and remove any suspected contaminated dirt from around the heater treater, tanks, and circulating pump as well as remove old lines. Samples will need to be taken from this area and sent off for testing. Samples depths of 6 inches, 1 foot, 2 feet, etc. will be taken until no evidence of any contamination remains. SLO/OCD will be contacted prior to sampling in the event they wish to witness. Clean dirt will be brought in and distributed around the wellsite and a berm will be built around tank and heater treater. Groundwater level is at 51 foot per Chevron/Texaco Water Depth Map.

Reporting:

Once the surface restoration has been completed, a report will be submitted to both OCD and SLO. The report will include, field test results, waste manifest, maps, photos, laboratory confirmation samples and other pertinent information.



Kevin O. Butler & Associates, Inc.
New Mexico State DE #1 Well
Lea County, New Mexico
API 30-025-21618

UL F Sec. 18, T17S, R37E
N 32°50'12.34 W 103°17'35.30
Elevation 3,823 feet

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	POD Sub-basin Code	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
L 05923	L	LE				18	17S	37E	659990	3634273*	0	115	60	55
L 05778	L	LE		2	3	18	17S	37E	659761	3634078*	300	105	50	55
L 03871	L	LE	4	1	4	18	17S	37E	660262	3633981*	399	95	35	60
L 00546 POD4	L	LE	2	2	4	19	17S	37E	660640	3632651	1747	200	140	60
L 10681	L	LE		1	4	19	17S	37E	660192	3632469*	1815	120	40	80
L 09666	L	LE		2	3	13	17S	36E	658170	3634055*	1833	150		
L 04197	L	LE		4	2	07	17S	37E	660532	3636102*	1907			

Average Depth to Water: **65 feet**
Minimum Depth: **35 feet**
Maximum Depth: **140 feet**

Record Count: 7

Basin/County Search:

County: Lea

UTMNAD83 Radius Search (in meters):

Easting (X): 659990 Northing (Y): 3634273 Radius: 2000

***UTM location was derived from PLSS - see Help**

New Mexico Office of the State Engineer
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L 05923		L	LE				18	17S	37E	659990	3634273*	0	115	60	55
L 05778		L	LE		2	3	18	17S	37E	659761	3634078*	300	105	50	55
L 03871		L	LE	4	1	4	18	17S	37E	660262	3633981*	399	95	35	60
L 00546 POD4		L	LE	2	2	4	19	17S	37E	660640	3632651	1747	200	140	60
L 10681		L	LE		1	4	19	17S	37E	660192	3632469*	1815	120	40	80
L 09666		L	LE		2	3	13	17S	36E	658170	3634055*	1833	150		
L 04197		L	LE		4	2	07	17S	37E	660532	3636102*	1907			
L 00546 POD5	R	L	LE	4	2	4	19	17S	37E	660693	3632373*	2025	201	93	108
L 05281		L	LE		2	4	24	17S	36E	659002	3632453*	2070	110	52	58
L 04356	R	L	LE	1	3	2	20	17S	37E	661695	3632991*	2133	100	80	20
L 00546 POD3	R	L	LE	1	4	4	19	17S	37E	660501	3632169*	2165	150	140	10
L 01963 S		L	LE		1	2	07	17S	37E	660122	3636500*	2230	128	50	78
L 04359 S		L	LE	3	1	1	07	17S	37E	659242	3636391*	2246	110	82	28
L 11558		L	LE	3	1	1	07	17S	37E	659242	3636391*	2246	216		
L 11056		L	LE		2	2	07	17S	37E	660525	3636505*	2295	165	62	103
L 00009 POD9	R	L	LE	1	2	1	21	17S	37E	662286	3634062	2305	212	85	127
L 01603 POD1		L	LE		1	1	07	17S	37E	659343	3636492*	2311	120	39	81
L 01963		L	LE	1	1	2	07	17S	37E	660021	3636599*	2326	150	132	18
L 10928		L	LE			2	20	17S	37E	661997	3633093*	2328	186	62	124
L 05130		L	LE	4	2	2	17	17S	37E	662262	3634812*	2335	115	54	61
L 12823 POD1		L	LE	2	1	2	07	17S	37E	660221	3636599	2337	200		
L 04359		L	LE	1	2	1	07	17S	37E	659619	3636595*	2351	111	75	36
L 04359	R	L	LE	1	2	1	07	17S	37E	659619	3636595*	2351	111	75	36
L 04359 POD4		L	LE	1	2	1	07	17S	37E	659619	3636595*	2351	222		
L 05703		L	LE		2	2	20	17S	37E	662192	3633300*	2407	110	55	55
L 10021		L	LE	2	2	2	07	17S	37E	660624	3636604*	2415	180	70	110

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(NAD83 UTM in meters)

(In feet)

POD Number	POD Code	Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
L 02205		L	LE		2	2	12	17S	36E	658939	3636485*	2448	110	45	65
L 05413		L	LE		3	3	12	17S	36E	657747	3635257*	2449	100	48	52
L 00546 POD6		L	LE	4	4	4	19	17S	37E	660791	3631899	2505	264	90	174
L 06395		L	LE		4	1	12	17S	36E	658138	3636069*	2579	112	47	65
L 05758		L	LE		2	4	08	17S	37E	662149	3635719*	2598	110	50	60
L 05161		L	LE		2	4	14	17S	36E	657363	3634043*	2637	105	36	69
L 00009 POD4		L	LE		3	3	16	17S	37E	662588	3633709*	2658	134	55	79
L 04952	R	L	LE		3	3	16	17S	37E	662588	3633709*	2658	106	40	66
L 04952 POD2		L	LE		3	3	16	17S	37E	662588	3633709*	2658	106	40	66
L 10633 S3		L	LE	4	4	4	01	17S	36E	659032	3636787*	2690	188	80	108
L 02199		L	LE		4	4	14	17S	36E	657369	3633640*	2696	110	45	65
L 01076 POD4		L	LE	4	4	2	20	17S	37E	662299	3632796*	2740		60	
L 10633 POD6		L	LE	3	4	4	01	17S	36E	658832	3636787*	2767	196	80	116
L 05050		L	LE		3	3	09	17S	37E	662558	3635321*	2773	100	43	57
L 02331		L	LE		4	4	01	17S	36E	658933	3636888*	2820	105	48	57
L 00449 S2		L	LE			4	06	17S	37E	660317	3637104*	2849	243	118	125
L 00449 S2	R	L	LE			4	06	17S	37E	660317	3637104*	2849	243	118	125
L 02784		L	LE	1	3	3	05	17S	37E	660820	3637011*	2861	108	60	48
L 10633 POD5		L	LE	2	4	4	01	17S	36E	659032	3636987*	2878	228	120	108
L 10633 S2	R	L	LE			4	13	17S	36E	659032	3636987*	2878	196	80	116
L 10633 S4		L	LE	2	4	4	01	17S	36E	659032	3636987*	2878	204	110	94
L 10633 POD4		L	LE	1	4	4	01	17S	36E	658832	3636987*	2950	209	80	129
L 07611		L	LE		4	3	05	17S	37E	661324	3636916*	2960	100	60	40
L 10894		L	LE		4	3	05	17S	37E	661324	3636916*	2960	192	76	116
L 08401		L	LE	3	3	1	09	17S	37E	662444	3636025*	3015	185	60	125
L 00379		L	LE	1	2	1	12	17S	36E	658031	3636570*	3018	110		
L 10633 S	R	L	LE			4	13	17S	36E	659026	3637189*	3071	228	120	108
L 13235 POD1		L	LE	3	3	4	05	17S	37E	661591	3636903	3079	140	70	70
L 02474		L	LE		1	3	06	17S	37E	659331	3637296*	3093	100	40	60

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WATER COLUMN/ AVERAGE DEPTH TO WATER

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(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
L 00449	R	L	LE	1	1	4	06	17S	37E	660008	3637404*	3131	100	70	30
L 00449 POD5		L	LE	1	1	4	06	17S	37E	660008	3637404*	3131	247	101	146
L 00449 POD5	R	L	LE	1	1	4	06	17S	37E	660008	3637404*	3131	247	101	146
L 03019 POD5		L	LE		1	3	21	17S	37E	662610	3632499*	3164	172	52	120
L 03019 POD6		L	LE		1	3	21	17S	37E	662610	3632499*	3164	172	52	120
L 09581		L	LE	1	3	4	05	17S	37E	661625	3637020*	3196	130	70	60
L 00449 S		L	LE	2	2	4	06	17S	37E	660611	3637409*	3196	120	48	72
L 00449 S	R	L	LE	2	2	4	06	17S	37E	660611	3637409*	3196	120	48	72
L 11773		L	LE	2	2	4	06	17S	37E	660611	3637409	3196	235		
L 12034 POD1		L	LE	3	4	4	05	17S	37E	661996	3636802	3228	160	70	90
L 11894 POD1		L	LE	2	2	2	08	17S	37E	662235	3636622*	3249	226		
L 10633	R	L	LE			4	13	17S	36E	659026	3637389*	3261	209	80	129
L 09365		L	LE	3	4	4	05	17S	37E	662028	3636825*	3265	141	64	77
L 09717		L	LE		2	3	05	17S	37E	661317	3637319*	3322	118	65	53
L 09719		L	LE		2	3	05	17S	37E	661317	3637319*	3322	125	70	55
L 10143		L	LE		2	3	05	17S	37E	661317	3637319*	3322	90	55	35
L 10324		L	LE		2	3	05	17S	37E	661317	3637319*	3322	150	70	80
L 02119		L	LE	1	4	3	01	17S	36E	658024	3636973*	3339	130		
L 09552		L	LE	3	1	4	05	17S	37E	661619	3637223*	3369	124	65	59
L 11197		L	LE	3	1	4	05	17S	37E	661619	3637223*	3369	158		
L 03019 POD8		L	LE	3	3	3	21	17S	37E	662517	3631994*	3402	155	85	70
L 03019 POD8	R	L	LE	3	3	3	21	17S	37E	662517	3631994*	3402	155	85	70
L 11878 POD1		L	LE	3	3	3	21	17S	37E	662517	3631994*	3402	130	67	63
L 05214		L	LE	3	3	4	09	17S	37E	663264	3635229*	3410	105	45	60
L 10926		L	LE		3	3	21	17S	37E	662618	3632095*	3413	180	71	109
L 10929		L	LE	1	1	2	21	17S	37E	663301	3633414*	3420	172	52	120
L 03086		L	LE		1	1	25	17S	36E	657804	3631628*	3431	122	60	62
L 11198		L	LE	3	3	3	01	17S	36E	657620	3636766*	3439	186		
L 02549		L	LE	3	3	1	05	17S	37E	660807	3637616*	3441	138	65	73

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(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
L 03019 POD3		L	LE			3	21	17S	37E	662819	3632296*	3451	170	52	118
L 03019 POD3	R	L	LE			3	21	17S	37E	662819	3632296*	3451	170	52	118
L 11952 POD1		L	LE	2	2	3	05	17S	37E	661416	3637418*	3453	150	60	90
L 11644		L	LE		1	4	05	17S	37E	661720	3637324*	3507	120	61	59
L 09649		L	LE	1	1	4	05	17S	37E	661619	3637423*	3546	124	65	59
L 05209		L	LE				09	17S	37E	663161	3635924*	3575	100	42	58
L 10015		L	LE				05	17S	37E	661524	3637515*	3586	125	70	55
L 00009 POD6		L	LE				21	17S	37E	663221	3632698*	3594	170	100	70
L 00009 POD6	R	L	LE				21	17S	37E	663221	3632698*	3594	170	100	70
L 13038 POD4		L	LE	2	3	2	06	17S	37E	660120	3637865	3594	120		
L 13038 POD2		L	LE	2	3	2	06	17S	37E	660146	3637865	3596	115		
L 13038 POD3		L	LE	2	3	2	06	17S	37E	660146	3637865	3596	115		
L 13414 POD4		L	LE	2	3	2	06	17S	37E	660248	3637870	3606	110	93	17
L 13414 POD3		L	LE	2	3	2	06	17S	37E	660143	3637890	3620	110	93	17
L 13414 POD2		L	LE	4	1	2	06	17S	37E	660194	3637900	3633	102	93	9
L 02550		L	LE	2	1	4	05	17S	37E	661819	3637423*	3642	131	46	85
L 13414 POD1		L	LE	4	1	2	06	17S	37E	660176	3637917	3649	110	93	17
L 13038 POD1		L	LE	4	1	2	06	17S	37E	660223	3637928	3662	115		
L 12720 POD1		L	LE	3	4	3	21	17S	37E	662871	3631998	3670	233		
L 10925		L	LE			3	2	21	17S	37E	663409	3632912*	3679	140	56	84
L 12562 POD11		L	LE	2	4	2	01	17S	36E	658989	3637831	3696	112	97	15
L 13414 POD5		L	LE	4	1	2	06	17S	37E	660218	3637979	3713	110	93	17
L 02327		L	LE			2	1	09	17S	37E	662941	3636532*	3716	120	32	88
L 14207 POD1		L	LE	3	3	2	01	17S	36E	658500	3637679	3717	240	100	140
L 02413		L	LE			4	4	02	17S	36E	657318	3636861*	3719	90	90	0
L 02426		L	LE			4	4	02	17S	36E	657318	3636861*	3719	115	48	67
L 11225		L	LE	4	3	2	05	17S	37E	661812	3637625*	3815	180	70	110
L 03882		L	LE			3	1	14	17S	36E	656147	3634430*	3846	120	57	63
L 14207 POD2		L	LE	2	4	1	01	17S	36E	658222	3637712	3866	230	101	129

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L 12562 POD9	L	LE	1	4	4	25	17S	36E	658980	3630480	3924	122	107	15
L 01398	L	LE		1	1	05	17S	37E	660901	3638119*	3952	115	50	65
L 01604 POD1	L	LE	1	2	2	06	17S	37E	660397	3638214*	3961	105		
L 11492	L	LE	4	4	3	04	17S	37E	663034	3636834*	3978	225		
L 10680	L	LE		3	1	28	17S	37E	662632	3631289*	3985	120	45	75
L 10633 POD14	L	LE	2	2	1	28	17S	37E	663127	3631796*	3997	260	80	180
L 01107 POD1	L	LE	1	1	1	05	17S	37E	660800	3638218*	4027	92	38	54
L 02508	L	LE	2	2	2	01	17S	36E	659013	3638194*	4040	120	40	80
L 04988	L	LE		1	2	01	17S	36E	658510	3638089*	4092	195	55	140
L 05486	L	LE	2	3	1	01	17S	36E	657808	3637773*	4124	225	62	163
L 01435	L	LE	3	3	4	31	16S	37E	660110	3638415*	4143	120	50	70
L 02481	L	LE	4	4	2	02	17S	36E	657405	3637566*	4186	150	76	74
L 02561	L	LE	3	3	3	31	16S	37E	659210	3638403*	4203	137	50	87
L 04988 S	L	LE	3	2	1	01	17S	36E	658006	3637982*	4206	182	55	127
L 01288	L	LE		1	2	05	17S	37E	661706	3638129*	4220	95	40	55
L 11303	L	LE	4	4	2	21	17S	37E	664120	3633402	4220	160	66	94
L 03194	L	LE		4	3	25	17S	36E	658227	3630422*	4235	120	40	80
L 10652	L	LE		4	3	31	16S	37E	659808	3638511*	4241	248	72	176
L 01584 POD1	L	LE		2	1	01	17S	36E	658107	3638083*	4249	110	48	62
L 12562 POD4	L	LE	4	4	2	36	16S	36E	658584	3638296	4262	121	106	15
L 01220 POD1	L	LE		3	3	31	16S	37E	659311	3638504*	4285	120	55	65
L 02078	L	LE		4	4	31	16S	37E	660613	3638521*	4293	112	50	62
L 03676	L	LE		4	2	02	17S	36E	657306	3637667*	4327	75	68	7
L 01371	L	LE	4	3	4	36	16S	36E	658603	3638389*	4343	115	45	70
L 05879	L	LE		4	4	10	17S	36E	655731	3635227*	4364	120	40	80
L 02487	L	LE		3	3	32	16S	37E	661016	3638527*	4375	90	35	55
L 05458	L	LE	1	4	4	31	16S	37E	660512	3638620*	4378	240	50	190
L 01716	L	LE	1	1	4	02	17S	36E	656808	3637357*	4431	145	50	95
L 01713	L	LE		1	1	01	17S	36E	657703	3638076*	4437	150	72	78

***UTM location was derived from PLSS - see Help**

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number		POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
L 13332 POD1		L	LE	1	3	3	36	16S	37E	659161	3638638	4443	106	102	4
L 01438		L	LE		3	4	36	16S	36E	658504	3638490*	4471	110	45	65
L 05486 POD2		L	LE	2	1	1	01	17S	36E	657802	3638175*	4473	232	83	149
L 03158		L	LE	1	1	4	04	17S	37E	663230	3637441*	4531	100	40	60
L 14228 POD2		L	LE	4	1	3	31	16S	37E	659352	3638764	4536	120		
L 02566		L	LE	3	3	3	25	17S	36E	657723	3630314*	4562	110	40	70
L 03577		L	LE				26	17S	36E	656813	3630992*	4567	160	60	100
L 05872		L	LE		3	1	10	17S	37E	664158	3636143*	4568	155	50	105
L 12562 POD12		L	LE	3	1	3	31	16S	37E	659166	3638783	4584	109	94	15
L 02234		L	LE		2	2	28	17S	37E	663834	3631707*	4621	100	55	45
L 01557 POD1		L	LE	4	3	3	36	16S	36E	657796	3638374*	4651	110	40	70
L 04058 S19		L	LE	4	3	3	36	16S	36E	657796	3638374*	4651	245	50	195
L 12562 POD3		L	LE	3	1	3	31	16S	37E	659316	3638878	4654	108	93	15
L 12208 POD1		L	LE	1	1	1	10	17S	37E	663963	3636736	4674	200		
L 12562 POD10		L	LE	2	2	4	36	16S	36E	659032	3638913	4738	113	98	15
L 01719		L	LE	2	2	3	31	16S	37E	659901	3639011*	4738	148	104	44
L 01719	R	L	LE	2	2	3	31	16S	37E	659901	3639011*	4738	148	104	44
L 09815		L	LE		1	1	10	17S	37E	664151	3636546*	4741	150	65	85
L 01350		L	LE		2	4	36	16S	36E	658901	3638899*	4752	110	55	55
L 12562 POD2		L	LE	2	2	3	36	16S	36E	659065	3638963	4780	112	97	15
L 11583		L	LE	3	4	1	10	17S	37E	664460	3636047*	4809	205		
L 11614		L	LE	3	4	1	10	17S	37E	664460	3636047*	4809	199		
L 04058 POD2		L	LE	2	2	4	36	16S	36E	659000	3638998*	4827	248	62	186
L 04058 S16		L	LE	2	2	4	36	16S	36E	659000	3638998*	4827	235	62	173
L 12562 POD1		L	LE	2	2	4	36	16S	36E	658908	3639001	4850	120	105	15
L 14187 POD3		L	LE	3	1	3	02	17S	36E	656141	3637232	4855	80		
L 14187 POD1		L	LE	3	1	3	02	17S	36E	656130	3637225	4859	78		
L 14187 POD2		L	LE	3	1	3	02	17S	36E	656095	3637201	4873	77		
L 01724 S3		L	LE	2	1	3	02	17S	36E	656201	3637343*	4876	140	125	15

***UTM location was derived from PLSS - see Help**

WATER COLUMN/ AVERAGE DEPTH TO WATER

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-basin Code	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
L 14187 POD4	L	LE	3	1	3	02	17S	36E	656103	3637219	4877	80		
L 02480	L	LE		1	2	02	17S	36E	656897	3638063*	4891	130	58	72
L 12562 POD5	L	LE	3	3	1	31	16S	37E	659252	3639117	4900	120	105	15
L 12562 POD8	L	LE	2	2	4	36	16S	36E	658992	3639097	4926	122	107	15
L 11676	L	LE	1	1	2	15	17S	37E	664885	3635045*	4955	235		
L 10156	L	LE	3	2	1	10	17S	37E	664453	3636450*	4965	152		
L 05829	L	LE	1	1	2	22	17S	37E	664914	3633434*	4994	125	85	40

Average Depth to Water: **69 feet**

Minimum Depth: **32 feet**

Maximum Depth: **140 feet**

Record Count: 178

Basin/County Search:

County: Lea

UTMNAD83 Radius Search (in meters):

Easting (X): 659990 Northing (Y): 3634273 Radius: 5000

***UTM location was derived from PLSS - see Help**

New Mexico State DE – Brief Work Summary

1.20.14 – Submitted C141 due to busted flowline between heater treater and tank battery. Replaced contaminated soil with clean soil. Soil was hauled off to Sundance.

6.29.14 – Busted flowline. No contact from OCD. We voluntarily cleaned up site. Removed contaminated soil and hauled off to Gandy Marley and brought in clean soil.

7.3.14 thru 7.21.14 – Dirt Work on location. Brought in backhoe and dug out from around the tanks, battery, and firewall. Replaced all contaminated dirt with new caliche. While on location, repaired roads and built up berm. (Over $ 12,000 in dirt work was performed.) We never received any notification from the State or OCD to clean up. We did this to prevent any trouble.

01.28.17 – OCD received a call advising that there had been a recent leak on our location. George with OCD contacted Merch and met up with Buddy at the well. Due to the recent below freezing temperatures, the stuffing box sprayed a small amount (less than ½ a gallon per George) of oil and it was on the ground. George advised Buddy to take and throw some fresh dirt over it and that there was nothing for him to report back to Maxey Brown. All was ok with the site.

2.1.17 – Received an email from Amber Groves w/ State of New Mexico Land Office. She advised that she was at the site of our New Mexico DE State on 1.31.17 and claims that there was a release and that previous releases went untaken care of. I requested that Amber supply me with pictures to support her claim. The pictures that she provided me were from 6.14 & 7.14 prior to our cleanup efforts. The picture she provided from 1.31.17 only shows absorption of the elements, not a spill or release of any kind.

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company Kevin O. Butler & Associates, Inc.	Contact Lisa Builta
Address P.O. Box 1171 Midland, TX 79701	Telephone No. 432-682-1178
Facility Name New Mexico DE State	Facility Type Well

Surface Owner	Mineral Owner	API No. 30-025-21618

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
F	18	17S	37E	1980	FNL	1903	FWL	LEA

Latitude 32.8368089645864 **Longitude** 103.293127712051

NATURE OF RELEASE

Type of Release Oil	Volume of Release / Volume Recovered
Source of Release Off Setting Lease	Date and Hour of Occurrence 1/20/14 / Date and Hour of Discovery 01/30/2017
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Buddy Copeland - Pumper / George - OCD
By Whom? George - OCD	Date and Hour 01/30/2017
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.

If a Watercourse was Impacted, Describe Fully.*

RECEIVED
By Olivia Yu at 7:45 am, Mar 01, 2017

Describe Cause of Problem and Remedial Action Taken.*

Due to below freezing conditions, stuffing box sprung a small spray. Pumper met OCD at location where OCD advised that less than 1/2 gal. of oil had sprayed. Pump was advised by OCD to take a shovel and cover. Advised that there was nothing to report by OCD.

Describe Area Affected and Cleanup Action Taken.*

Clean dirt was placed over the spray as instructed by OCD. Advised by the State that further clean up actions will be required. Kevin is to meet with Amber Groves. Aft this meeting, a corrective action plan will be sent in the form of a new C-141 to the State and OCD for approval.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: Lisa Builta	OIL CONSERVATION DIVISION
Printed Name: Lisa Builta	Approved by Environmental Specialist:
Title: Compliance Reporting	Approval Date: 3/1/2017 / Expiration Date:
E-mail Address: lisab@kobutler.com	Conditions of Approval: see attached directive / Attached ☑
Date: 02/22/2017 Phone: 432-682-1178	

* Attach Additional Sheets If Necessary

1RP-4622 nOY1706027706 pOY1706027982

Operator/Responsible Party,

The OCD has received the form C-141 you provided on _2/22/2017_ regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number __1R-_4622_has been assigned. **Please refer to this case number in all future correspondence.**

It is the Division's obligation under both the Oil & Gas Act and Water Quality Act to provide for the protection of public health and the environment. Our regulations (19.15.29.11 NMAC) state the following,

> *The responsible person shall complete division-approved corrective action for releases that endanger public health or the environment. The responsible person shall address releases in accordance with a remediation plan submitted to and approved by the division or with an abatement plan submitted in accordance with 19.15.30 NMAC.* [emphasis added]

Release characterization is the first phase of corrective action unless the release is ongoing or is of limited volume and all impacts can be immediately addressed. Proper and cost-effective remediation typically cannot occur without adequate characterization of the impacts of any release. Furthermore, the Division has the ability to impose reasonable conditions upon the efforts it oversees. **As such, the Division is requiring a workplan for the characterization of impacts associated with this release be submitted to the OCD District _1_ office in __Hobbs____ on or before _4/1/2017_. If and when the release characterization workplan is approved, there will be an associated deadline for submittal of the resultant investigation report. Modest extensions of time to these deadlines may be granted, but only with acceptable justification.**

The goals of a characterization effort are: 1) determination of the lateral and vertical extents along with the magnitude of soil contamination. 2) determine if groundwater or surface waters have been impacted. 3) If groundwater or surface waters have been impacted, what are the extents and magnitude of that impact. 4) The characterization of any other adverse impacts that may have occurred (examples: impacts on vegetation, impacts on wildlife, air quality, loss of use of property, etc.). To meet these goals as quickly as possible, the following items must, at a minimum, be addressed in the release characterization workplan and subsequent reporting:

- Horizontal delineation of soil impacts in each of the four cardinal compass directions. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C_6 thru C_{36}), and for chloride by Method 300. This is not an exclusive list of potential contaminants. Analyzed parameters should be modified based on the nature of the released substance(s). Soil sampling must be both within the impacted area and beyond.

- Vertical delineation of soil impacts. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C_6 thru C_{36}), and for chloride by Method 300. As above, this is not an exclusive list of potential contaminants and can be modified. Vertical characterization samples should be taken at depth intervals no greater than five feet apart. Lithologic description of encountered soils must also be provided. At least ten vertical feet of soils with contaminant concentrations at or below these values must be demonstrated as existing above the water table.

- Nominal detection limits for field and laboratory analyses must be provided.

- Composite sampling is not generally allowed.

- Field screening and assessment techniques are acceptable (headspace, titration, EC [include algorithm for validation purposes], EM, etc.), but the sampling and assay procedures must be clearly defined. Copies of field notes are highly desirable. A statistically significant set of split samples must be submitted for confirmatory laboratory analysis, including the laterally farthest and vertically deepest sets of soil samples. Make sure there are at least two soil samples submitted

for laboratory analysis from each borehole or test pit (highest observed contamination and deepest depth investigated). Copies of the actual laboratory results must be provided including chain of custody documentation.

•Probable depth to shallowest protectable groundwater and lateral distance to nearest surface water. If there is an estimate of groundwater depth, the information used to arrive at that estimate must be provided. If there is a reasonable assumption that the depth to protectable water is 50 feet or less, the responsible party should anticipate the need for at least one groundwater monitoring well to be installed in the area of likely maximum contamination.

• If groundwater contamination is encountered, an additional investigation workplan may be required to determine the extents of that contamination. Groundwater and/or surface water samples, if any, must be analyzed by a competent laboratory for volatile organic hydrocarbons (typically Method 8260 full list), total dissolved solids, pH, major anions and cations including chloride and sulfate, dissolved iron, and dissolved manganese. The investigation workplan must provide the groundwater sampling method(s) and sample handling protocols. To the fullest extent possible, aqueous analyses must be undertaken using nominal method detection limits. As with the soil analyses, copies of the actual laboratory results must be provided including chain of custody documentation.

• Accurately scaled and well-drafted site maps must be provided providing the location of borings, test pits, monitoring wells, potentially impacted areas, and significant surface features including roads and site infrastructure that might limit either the release characterization or remedial efforts. Field sketches may be included in subsequent reporting, but should not be considered stand-alone documentation of the site's layout. Digital photographic documentation of the location and fieldwork is recommended, especially if unusual circumstances are encountered.

Nothing herein should be interpreted to preclude emergency response actions or to imply immediate remediation by removal cannot proceed as warranted. Nonetheless, characterization of impacts and confirmation of the effectiveness of remedial efforts must still be provided to the OCD before any release incident will be closed.

Jim Griswold
OCD Environmental Bureau Chief
1220 South St. Francis Drive
Santa Fe, New Mexico 87505
505-476-3465
jim.griswold@state.nm.us

District I
1625 N. French Dr., Hobbs, NM 88240
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Latitude 32.8368089645864 Longitude 103.293127712051

NATURE OF RELEASE

Type of Release Oil	Volume of Release 4	Volume Recovered 4
Source of Release Off Setting Lease	Date and Hour of Occurrence 1/20/14	Date and Hour of Discovery 1/20/14
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Jimmy Reynolds - Foreman	
By Whom? Jimmy Reynolds	Date and Hour 1/20/14 11:25 a.m.	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

Flowline between Heater Treater and Tank Battery busted. Shut down well and have have a crew coming out today to clean up, replace contaminated soil with clean soil, and haul off contaminated soil.

Describe Area Affected and Cleanup Action Taken.*

Crew to come in and remove contaminated soil from spill area and surroundings and replace with clean dirt. Hauled off to NMOCD approved R-360/ Sundance/ or Gandy-Marley site.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature:	OIL CONSERVATION DIVISION
Printed Name: Kevin O. Butler	Approved by Environmental Specialist:
Title: Compliance Reporting	Approval Date: / Expiration Date:
E-mail Address: lisab@kobutler.com	Conditions of Approval: / Attached ☐
Date: 1/20/14 Phone: 432-682-1178	

* Attach Additional Sheets If Necessary