DAVID FEATHER
ENVIRONMENTAL SUPERVISOR
DIRECT: (432) 818-1615
E-MAIL: DAVID.FEATHER@APACHECORP.COM

1 RP-3070
NKJ1604045967

September 30, 2019

Mr. Bradford Billings
State of New Mexico Oil Conservation Division
1220 South St Francis Drive
Santa Fe, NM 87505

RE: 1 RP-3070 Red Tag # 1

Mr. Billings,

In compliance with 19.15.29.15(B) NMAC and the agreement submitted by Apache Corporation on November 8, 2018, Apache Corporation is submitting information related to closure for the release occurring July 31, 2010. Apache is respectfully submitting the closure report based on remediation and studies occurring in 2010 that demonstrate the site meeting the requirements of the agency. Unless further information is requested by NMOCD, Apache Corporation considers this release closed.

If there are any questions, please feel free to contact me by telephone at 432-818-1615 or by e-mail at David.Feather@ApacheCorp.com.

Sincerely,

David Feather
Environmental Supervisor
Apache Corporation - Permian Basin Region

Attachment: Closure Report Dated September 27, 2019

Apache

Bruce Baker

Red Tag #1

Remediation Closure Plan

API # 30-025-35333

1RP-06-14-3070

Release Date: 7/31/2010

U/L J, Section 2, Township 21S, Range 38E

Lea County, New Mexico

September 27, 2019

Hungry Horse LLC
4024 Plains Highway
Lovington, NM 88260

September 27, 2019

RE: Closure Request for Apache Corporation – Red Tag #1
API No. 30-025-35333
U/L J, Section 2, Township 21S, Range 38E

To Whom It May Concern,

On behalf of Apache Corporation, Hungry Horse LLC has prepared this Closure Report that demonstrates the spill release associated with the Red Tag #1 was remediated sometime before or after December 16, 2010 with the RP # of 1RP-06-14-3070.

Background

This site is located in the southern part of Lea County near Eunice, New Mexico. On August 8th, 2010 the C-141 for the Release Notification and Corrective Action was submitted to the NMOCD.

Ground Water Information

Hungry Horse has conducted a ground water study of the area. It has been determined that according to the New Mexico Office of the State Engineer, the average depth of ground water is 48'bgs (below ground surface), minimum depth is 23'bgs and maximum depth is 85' bgs. The wells located closest to the release site on the Red Tag #1 that has been recorded are as follows:

L 14339 POD1: well is set at 95'bgs and the water level is 45'bgs, distance from the site is 81'
L 13127 POD1: well is set at 117'bgs and the water level is 75'bgs, distance from the site is 153'
L 07559 POD10: well is set at 75'bgs and the water level is 46'bgs, distance from the site is 209'

This spill release was remediated under the old rule and therefore does not fall under the new standard 19.15.29 NMAC adopted on August 14, 2018.

Site Delineation and Remediation

An internal investigation and remediation was conducted by Apache. A 5 point composite bottom excavation sample, as well as North, South, East, and West side wall samples were taken. Samples were taken on the 12/16/10 and sent to Cardinal Laboratories and analyzed for chlorides. Lab data was available from the delineation process, which is included in this report.

Please see the Cardinal Laboratories Analysis Report detailed herein. The sample results are as follows:

5 point bottom composite – <16 mg/kg chlorides
North Wall – 160 mg/kg chlorides
South Wall – <16 mg/kg chlorides
East Wall – <16 mg/kg chlorides
West Wall – 96 mg/kg chlorides

Request for Closure

Apache Corporation in conjunction with Hungry Horse, LLC would like to request the closure of 1RP-06-14-3070 that occurred on July 31rd, 2010. If you have any questions or concerns, please contact me at any time.

Sincerely,

Jerry Brian
Environmental Manager/Geologist/REM/REPA
4024 Plains Highway
Lovington, NM 88260
Cell: 970-630-6293
jbrian@hungry-horse.com

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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

RECEIVED
SEP 07 2010
HOBBSOCD

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company Apache Corporation	Contact Natalie Gladden
Address P.O. Box 1849 Eunice, NM 88231	Telephone No. 575-390-4186
Facility Name RedTag #1	Facility Type Production well

Surface Owner City of Hobbs	Mineral Owner State of NM	Lease No. 30-025-35333

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
J	2	21S	38E	2460'	FSL	2310'	FEL	Lea

Latitude_____ Longitude_____

NATURE OF RELEASE

Type of Release Hydrocarbon/Produced Water	Volume of Release 5	Volume Recovered 3
Source of Release 1" ball valve	Date and Hour of Occurrence 07/31/2010 1130am	Date and Hour of Discovery Same
Was Immediate Notice Given? ☐ Yes ☒ No ☐ Not Required	If YES, To Whom?	
By Whom? Natalie Gladden	Date and Hour 08/03/2010	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

UNDER 75'

Describe Cause of Problem and Remedial Action Taken.*
1" ball valve at wellhead had a pinhole leak due to corrosion.

Describe Area Affected and Cleanup Action Taken.*
Fluid was released on location pad, no fluid in the pasture area. The contamination was excavated and hauled to Sundance Disposal.

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: Natalie Gladden

Printed Name: Natalie Gladden

Title: EHS Environmental Tech

E-mail Address: natalie.gladden@apachecorp.com

Date: 08/15/2010 Phone: 575-390-4186

OIL CONSERVATION DIVISION

Approved by District Supervisor: Geoffrey Leking Environmental Specialist

Approval Date: 09/07/10 Expiration Date: 11/08/10

Conditions of Approval: SUBMIT FINAL C-141 BY 11/08/10

Attached ☐
IRP-06-14-3070

* Attach Additional Sheets If Necessary

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- [x] A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- [ ] Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- [x] Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- [x] Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Bruce Baker Title: Environmental Tech SR.

Signature: Bruce Baker Date: 9/30/19

email: larry.baker@apachecorp.com Telephone: 432-631-6982

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Bradford Billings Date: 05/22/2020

Printed Name: Bradford Billings Title: E.Spec.A

Note: Map is poor quality but data is sound, if indeed taken form bottom of excavation, old rule applies.

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	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
L 14339 POD1		L	LE	1	1	4	02	20S	38E	676580	3608613	81	95	45	50
L 13127 POD1		L	LE	3	3	2	02	20S	38E	676682	3608815	153	117	75	42
L 07559 POD10		L	LE	2	2	3	02	20S	38E	676385	3608638*	209	75	46	29
L 07559 POD3		L	LE	2	2	3	02	20S	38E	676385	3608638*	209	71	39	32
L 07559 POD4		L	LE	2	2	3	02	20S	38E	676385	3608638*	209	75	44	31
L 07559 POD9		L	LE	2	2	3	02	20S	38E	676385	3608638*	209	70	39	31
L 13814 POD1		L	LE	1	3	1	02	20S	38E	676578	3609011	316	80	60	20
L 07559 POD1		L	LE	4	2	3	02	20S	38E	676385	3608438*	326	80	39	41
L 07559 POD2		L	LE	4	2	3	02	20S	38E	676385	3608438*	326	70	43	27
L 07559 POD7		L	LE	4	2	3	02	20S	38E	676385	3608438*	326	75		
L 07559 POD8		L	LE	4	2	3	02	20S	38E	676385	3608438*	326	75	39	36
L 07559 POD11		L	LE	1	2	3	02	20S	38E	676185	3608638*	405	75	42	33
L 07559 POD5		L	LE	1	2	3	02	20S	38E	676185	3608638*	405	75	41	34
L 00312 POD8		L	LE	1	1	3	36	19S	38E	676970	3608541	413	105	50	55
L 06462		L	LE	2	2	4	02	20S	38E	677189	3608651*	604	86	45	41
L 07559 POD6		L	LE	2	1	3	02	20S	38E	675983	3608632*	606	80	44	36
L 02061 POD2	R	L	LE	4	4	2	02	20S	38E	677182	3608854*	616	116	52	64
L 02061 S		L	LE		1	2	02	20S	38E	676674	3609351*	661	116	52	64
L 09904		L	LE			1	02	20S	38E	676077	3609136*	673	80	57	23
L 13411 POD1		L	LE	3	3	1	01	20S	38E	677294	3608810	716	104	63	41
L 08458		L	LE		2	1	02	20S	38E	676271	3609344*	721	98	38	60
L 10359		L	LE	1	1	2	02	20S	38E	676573	3609450*	755	83	55	28
L 14389 POD1		L	LE	3	3	1	02	20S	38E	675845	3608900	769	95	42	53
L 14489 POD1		L	LE	3	3	1	02	20S	38E	675817	3608850	784	65	40	25
L 00438 POD8		L	LE	1	1	3	02	20S	38E	675783	3608632*	806	85	35	50
L 00438 POD9		L	LE	1	1	3	02	20S	38E	675783	3608632*	806	101	23	78
L 00438 POD10		L	LE	3	1	3	02	20S	38E	675783	3608432*	845	97	28	69
L 00438 POD11		L	LE	3	1	3	02	20S	38E	675783	3608432*	845	80	35	45
L 12455 POD1		L	LE	2	1	2	02	20S	38E	676854	3609504	852	100	68	32
L 10656 POD1	R	L	LE	1	2	2	11	20S	38E	677003	3607845*	946	66	42	24

L 10656 POD2		L	LE	1	2	2	11	20S	38E	677003	3607845*		946	64	41	23
L 07970		L	LE	3	3	4	35	19S	38E	676565	3609650*		955	140	85	55
L 07970	R	L	LE	3	3	4	35	19S	38E	676565	3609650*		955	140	85	55
L 02061 S2		L	LE	2	2	2	02	20S	38E	677175	3609457*		962	100	65	35
L 00262 POD1		L	LE	4	4	3	35	19S	38E	676363	3609643*		973	101	38	63
L 05836		L	LE	4	4	3	35	19S	38E	676363	3609643*		973	123	75	48
L 08568		L	LE	4	4	3	35	19S	38E	676363	3609643*		973	95	40	55
L 08569		L	LE	4	4	3	35	19S	38E	676363	3609643*		973	80	40	40
L 08570		L	LE	4	4	3	35	19S	38E	676363	3609643*		973	80	40	40
L 08571		L	LE	4	4	3	35	19S	38E	676363	3609643*		973	88	41	47
L 08938		L	LE	4	4	3	35	19S	38E	676363	3609643*		973	90	60	30
L 12050 POD1		L	LE		1	1	02	20S	38E	675785	3609291		998	95	45	50

Average Depth to Water: **48 feet**

Minimum Depth: **23 feet**

Maximum Depth: **85 feet**

Record Count: 42

Basin/County Search:

Basin: Lea County

UTMNAD83 Radius Search (in meters):

Easting (X): 676586.59 **Northing (Y):** 3608695 **Radius:** 1000

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

9/27/19 8:37 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER

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.)

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(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

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L 07559 POD9		L	LE	2	2	3	02	20S	38E	676385	3608638*	209	70	39	31
L 13814 POD1		L	LE	1	3	1	02	20S	38E	676578	3609011	316	80	60	20
L 07559 POD1		L	LE	4	2	3	02	20S	38E	676385	3608438*	326	80	39	41
L 07559 POD2		L	LE	4	2	3	02	20S	38E	676385	3608438*	326	70	43	27
L 07559 POD7		L	LE	4	2	3	02	20S	38E	676385	3608438*	326	75		
L 07559 POD8		L	LE	4	2	3	02	20S	38E	676385	3608438*	326	75	39	36
L 07559 POD11		L	LE	1	2	3	02	20S	38E	676185	3608638*	405	75	42	33
L 07559 POD5		L	LE	1	2	3	02	20S	38E	676185	3608638*	405	75	41	34
L 00312 POD8		L	LE	1	1	3	36	19S	38E	676970	3608541	413	105	50	55
L 06462		L	LE	2	2	4	02	20S	38E	677189	3608651*	604	86	45	41
L 07559 POD6		L	LE	2	1	3	02	20S	38E	675983	3608632*	606	80	44	36
L 02061 POD2	R	L	LE	4	4	2	02	20S	38E	677182	3608854*	616	116	52	64
L 02061 S		L	LE		1	2	02	20S	38E	676674	3609351*	661	116	52	64
L 09904		L	LE			1	02	20S	38E	676077	3609136*	673	80	57	23
L 13411 POD1		L	LE	3	3	1	01	20S	38E	677294	3608810	716	104	63	41
L 08458		L	LE		2	1	02	20S	38E	676271	3609344*	721	98	38	60
L 10359		L	LE	1	1	2	02	20S	38E	676573	3609450*	755	83	55	28
L 14389 POD1		L	LE	3	3	1	02	20S	38E	675845	3608900	769	95	42	53
L 14489 POD1		L	LE	3	3	1	02	20S	38E	675817	3608850	784	65	40	25
L 00438 POD8		L	LE	1	1	3	02	20S	38E	675783	3608632*	806	85	35	50
L 00438 POD9		L	LE	1	1	3	02	20S	38E	675783	3608632*	806	101	23	78
L 00438 POD10		L	LE	3	1	3	02	20S	38E	675783	3608432*	845	97	28	69
L 00438 POD11		L	LE	3	1	3	02	20S	38E	675783	3608432*	845	80	35	45
L 12455 POD1		L	LE	2	1	2	02	20S	38E	676854	3609504	852	100	68	32
L 10656 POD1	R	L	LE	1	2	2	11	20S	38E	677003	3607845*	946	66	42	24

L_10656 POD2		L	LE	1	2	2	11	20S	38E	677003	3607845*	946	64	41	23
L_07970		L	LE	3	3	4	35	19S	38E	676565	3609650*	955	140	85	55
L_07970	R	L	LE	3	3	4	35	19S	38E	676565	3609650*	955	140	85	55
L_02061 S2		L	LE	2	2	2	02	20S	38E	677175	3609457*	962	100	65	35
L_00262 POD1		L	LE	4	4	3	35	19S	38E	676363	3609643*	973	101	38	63
L_05836		L	LE	4	4	3	35	19S	38E	676363	3609643*	973	123	75	48
L_08568		L	LE	4	4	3	35	19S	38E	676363	3609643*	973	95	40	55
L_08569		L	LE	4	4	3	35	19S	38E	676363	3609643*	973	80	40	40
L_08570		L	LE	4	4	3	35	19S	38E	676363	3609643*	973	80	40	40
L_08571		L	LE	4	4	3	35	19S	38E	676363	3609643*	973	88	41	47
L_08938		L	LE	4	4	3	35	19S	38E	676363	3609643*	973	90	60	30
L_12050 POD1		L	LE		1	1	02	20S	38E	675785	3609291	998	95	45	50
L_00262 S2		L	LE	3	4	3	35	19S	38E	676163	3609643*	1038	101	41	60
L_08099		L	LE	3	4	3	35	19S	38E	676163	3609643*	1038	101	43	58
L_08130		L	LE	3	4	3	35	19S	38E	676163	3609643*	1038	92	42	50
L_08134		L	LE	3	4	3	35	19S	38E	676163	3609643*	1038	92	42	50
L_09359		L	LE	2	2	2	11	20S	38E	677203	3607845*	1050	110	90	20
L_09560		L	LE	2	2	2	11	20S	38E	677203	3607845*	1050	135		
L_08596		L	LE		3	4	35	19S	38E	676666	3609751*	1058	80	40	40
L_09721		L	LE		2	2	11	20S	38E	677104	3607746*	1080	85	25	60
L_00263	R	L	LE		4	3	35	19S	38E	676264	3609744*	1097	100	38	62
L_03540 POD1		L	LE		4	3	35	19S	38E	676264	3609744*	1097	115	60	55
L_08522		L	LE		4	3	35	19S	38E	676264	3609744*	1097	120	52	68
L_11097		L	LE		4	3	35	19S	38E	676264	3609744*	1097	85		
L_07547		L	LE	1	1	1	02	20S	38E	675768	3609437*	1104	100	48	52
L_11862 POD1		L	LE	1	1	1	02	20S	38E	675768	3609437*	1104	95	45	50
L_02546		L	LE	4	4	4	35	19S	38E	677168	3609657*	1123			
L_00262 S3		L	LE	2	4	3	35	19S	38E	676363	3609843*	1169	100	49	51
L_08132		L	LE	2	4	3	35	19S	38E	676363	3609843*	1169	92	42	50
L_03511		L	LE	1	4	4	35	19S	38E	676968	3609857*	1222	100	46	54
L_03511	R	L	LE	1	4	4	35	19S	38E	676968	3609857*	1222	100	46	54
L_14440 POD 1		L	LE	3	1	1	11	20S	38E	675888	3607659	1249	60	43	17
L_08103		L	LE	3	3	3	35	19S	38E	675761	3609636*	1251	92	45	47
L_08122		L	LE	3	3	3	35	19S	38E	675761	3609636*	1251	92	42	50
L_08144		L	LE	3	3	3	35	19S	38E	675761	3609636*	1251	98	55	43
L_08907		L	LE	3	3	3	35	19S	38E	675761	3609636*	1251	100	35	65
L_08999		L	LE	3	3	3	35	19S	38E	675761	3609636*	1251	100	53	47
L_10708		L	LE			1	11	20S	38E	676107	3607524*	1265	67	39	28
L_08449		L	LE			3	35	19S	38E	676063	3609938*	1348	100	40	60

L_00262		L	LE	4	2	3	35	19S	38E	676357	3610046*		1370	116	40	76
L_08137		L	LE	1	3	3	35	19S	38E	675761	3609836*		1408	92	42	50
L_08138		L	LE	1	3	3	35	19S	38E	675761	3609836*		1408	97	48	49
L_08455		L	LE	1	3	3	35	19S	38E	675761	3609836*		1408	130	78	52
L_08672		L	LE	1	3	3	35	19S	38E	675761	3609836*		1408	100	70	30
L_09037		L	LE	3	2	3	35	19S	38E	676157	3610046*		1417	100	48	52
L_09381		L	LE	4	4	1	11	20S	38E	676407	3607229*		1477	48		
L_00262 POD7		L	LE	4	1	3	35	19S	38E	675955	3610039*		1484	105	65	40
L_00262 POD8		L	LE	4	1	3	35	19S	38E	675955	3610039*		1484	103	55	48
L_00262 S		L	LE		2	3	35	19S	38E	676258	3610147*		1488	116	52	64
L_12543 POD1		L	LE	2	1	3	35	19S	38E	676021	3610151		1562	110		
L_03510 S	R	L	LE	2	1	4	35	19S	38E	676759	3610253*		1567	108	55	53
L_08881		L	LE	2	2	3	35	19S	38E	676357	3610246*		1567	110	60	50
L_00262 POD6		L	LE	2	1	3	35	19S	38E	675955	3610239*		1668	105	70	35
L_13816 POD1		L	LE	1	2	3	26	19S	38E	676698	3610372		1681	142	60	82
L_03107		L	LE				03	20S	38E	674886	3608704*		1700	80	25	55
L_08844		L	LE	1	1	3	35	19S	38E	675755	3610239*		1753	105	55	50
L_08844	R	L	LE	1	1	3	35	19S	38E	675755	3610239*		1753	105	55	50
L_08844 POD2		L	LE	1	1	3	35	19S	38E	675755	3610239*		1753	105	80	25
L_08437		L	LE		2	3	11	20S	38E	676315	3606927*		1788	31		
L_13481 POD1		L	LE	3	3	2	35	19S	38E	676680	3610508		1815	135	88	47
L_13609 POD1		L	LE	4	3	2	35	19S	38E	676698	3610509		1818	142	60	82
L_10726		L	LE		2	4	11	20S	38E	677119	3606940*		1834	65	35	30
L_08641		L	LE		4	1	35	19S	38E	676252	3610550*		1884	112	66	46
L_05212		L	LE	3	3	1	35	19S	38E	675749	3610442*		1937	100	56	44
L_09663		L	LE	1	3	2	35	19S	38E	676553	3610656*		1961	98	60	38
L_00312 S4		L	LE	1	2	3	36	19S	38E	677766	3610274*		1970	100	40	60
L_14058 POD2		L	LE	2	3	4	11	20S	38E	676786	3606717		1987	42	33	9
L_04532 POD3		L	LE		3	1	35	19S	38E	675850	3610543*		1989	110	47	63
L_07352		L	LE		3	1	35	19S	38E	675850	3610543*		1989	110	70	40
L_07491		L	LE		3	1	35	19S	38E	675850	3610543*		1989	120		
L_08634		L	LE	1	4	1	35	19S	38E	676151	3610649*		2001	106	60	46
L_02477		L	LE	4	4	2	34	19S	38E	675546	3610435*		2027	80	46	34
L_02582		L	LE	4	4	2	34	19S	38E	675546	3610435*		2027	80	57	23
L_04273		L	LE	4	4	2	34	19S	38E	675546	3610435*		2027	100	56	44
L_04678		L	LE	4	4	2	34	19S	38E	675546	3610435*		2027	100	50	50
L_05154		L	LE	4	4	2	34	19S	38E	675546	3610435*		2027	100	35	65
L_05375		L	LE	4	4	2	34	19S	38E	675546	3610435*		2027	100	56	44
L_10451		L	LE	4	4	2	34	19S	38E	675546	3610435*		2027	76	35	41

L_08620		L	LE	2	3	1	35	19S	38E	675949	3610642*		2048	112	60	52
L_08621		L	LE	2	3	1	35	19S	38E	675949	3610642*		2048	107	60	47
L_00312 POD1		L	LE			2	35	19S	38E	676855	3610758*		2080	106	56	50
L_10713		L	LE			2	35	19S	38E	676855	3610758*		2080	113	79	34
L_11025		L	LE			2	35	19S	38E	676855	3610758*		2080	103		
L_03125		L	LE	1	4	4	11	20S	38E	677025	3606635*		2106	52	52	0
L_00561 POD12		L	LE	1	3	1	35	19S	38E	675749	3610642*		2119	111	70	41
L_00561 POD7		L	LE	3	4	2	34	19S	38E	675346	3610435*		2136	85	35	50
L_02625		L	LE	3	4	2	34	19S	38E	675346	3610435*		2136	60	40	20
L_07327		L	LE	3	4	2	34	19S	38E	675346	3610435*		2136	75	45	30
L_06835		L	LE	1	2	1	03	20S	38E	674562	3609415*		2148	100	40	60
L_01034		L	LE		4	2	34	19S	38E	675447	3610536*		2165	80		
L_01130 POD1		L	LE		4	2	34	19S	38E	675447	3610536*		2165	80	46	34
L_08612		L	LE		4	2	34	19S	38E	675447	3610536*		2165	105	65	40
L_08613		L	LE		4	2	34	19S	38E	675447	3610536*		2165	105	60	45
L_04532 POD2		L	LE	3	2	1	35	19S	38E	676145	3610851*		2200	120	75	45
L_00312 S2		L	LE				36	19S	38E	678074	3610368*		2238	101	56	45
L_00312 S5		L	LE		1	4	36	19S	38E	678270	3610182*		2246	108	90	18
L_13004		L	LE			3	12	20S	38E	677729	3606744*		2260	60	46	14
L_00312 S6		L	LE		4	4	36	19S	38E	678465	3609982		2277	114		
L_10318		L	LE		3	3	11	20S	38E	675921	3606517*		2277	47	31	16
L_04532		L	LE		2	1	35	19S	38E	676246	3610952*		2282	120		
L_04647		L	LE	3	1	1	35	19S	38E	675742	3610844*		2308	85	48	37
L_05219		L	LE	3	1	1	35	19S	38E	675742	3610844*		2308	100	35	65
L_13067 POD1		L	LE	2	3	2	34	19S	38E	675159	3610532		2326	131	68	63
L_04501		L	LE		3	1	03	20S	38E	674268	3608907*		2328	62	45	17
L_00312 POD2		L	LE			1	36	19S	38E	677660	3610772*		2337	104	56	48
L_10106		L	LE	4	3	3	11	20S	38E	676020	3606416*		2348	52	35	17
L_00312	R	L	LE	1	1	2	35	19S	38E	676547	3611058*		2363	110	50	60
L_04473 POD2		L	LE	2	2	1	35	19S	38E	676345	3611051*		2368	126	85	41
L_04697		L	LE	2	2	1	35	19S	38E	676345	3611051*		2368	100		
L_05641		L	LE		1	1	35	19S	38E	675843	3610945*		2369	100	60	40
L_07349		L	LE		1	1	35	19S	38E	675843	3610945*		2369	111	62	49
L_07480		L	LE		1	1	35	19S	38E	675843	3610945*		2369	115	65	50
L_10256		L	LE		1	1	35	19S	38E	675843	3610945*		2369	105	65	40
L_10323		L	LE		1	1	35	19S	38E	675843	3610945*		2369	100	80	20
L_10523		L	LE		1	1	35	19S	38E	675843	3610945*		2369	104	65	39
L_01144 POD1		L	LE	4	2	2	34	19S	38E	675540	3610837*		2383	76	50	26

L_01442		L	LE	4	2	2	34	19S	38E	675540	3610837*	2383	100	50	50
L_00312 S	R	L	LE	2	2	2	35	19S	38E	677149	3611065*	2435	115	52	63
L_03091		L	LE	2	1	1	35	19S	38E	675942	3611044*	2435	117	58	59
L_06985		L	LE	2	1	1	35	19S	38E	675942	3611044*	2435	98	66	32
L_00561 POD11		L	LE			2	34	19S	38E	675246	3610730*	2436	120	72	48
L_11014		L	LE			2	34	19S	38E	675246	3610730*	2436	128	67	61
L_01463		L	LE	1	1	1	35	19S	38E	675742	3611044*	2496	85	58	27
L_03224		L	LE	1	1	1	35	19S	38E	675742	3611044*	2496	80	55	25
L_04416		L	LE	1	1	1	35	19S	38E	675742	3611044*	2496	100	71	29
L_04534		L	LE	1	1	1	35	19S	38E	675742	3611044*	2496	100	60	40
L_07360		L	LE	1	1	1	35	19S	38E	675742	3611044*	2496	107	67	40
L_08572		L	LE	1	1	1	35	19S	38E	675742	3611044*	2496	110	62	48
L_10834		L	LE	1	1	1	35	19S	38E	675742	3611044*	2496	132	60	72
L_11328		L	LE	1	1	1	35	19S	38E	675742	3611044*	2496	141		
L_11501		L	LE	1	1	1	35	19S	38E	675742	3611044*	2496	140		
L_12992 POD1		L	LE	1	1	1	35	19S	38E	675664	3611072	2550	91		
L_01783		L	LE	2	2	2	34	19S	38E	675540	3611037*	2565	84	56	28
L_03325		L	LE	2	2	2	34	19S	38E	675540	3611037*	2565	70	18	52
L_03558		L	LE	2	2	2	34	19S	38E	675540	3611037*	2565	85	45	40
L_03588		L	LE	2	2	2	34	19S	38E	675540	3611037*	2565	96	52	44
L_03955		L	LE	2	2	2	34	19S	38E	675540	3611037*	2565	100	58	42
L_00298 POD7		L	LE	3	3	4	26	19S	38E	676541	3611261*	2566	145	68	77
L_02239		L	LE		1	2	14	20S	38E	676732	3606127*	2572	90	38	52
L_12419 POD1		L	LE	1	1	1	35	19S	38E	675678	3611134	2602	136		
L_13144 POD1		L	LE	2	2	2	34	19S	38E	675486	3611075	2622	121	71	50
L_13208 POD1		L	LE	3	3	3	26	19S	38E	675750	3611203	2644	137		
L_00561 S		L	LE	1	2	2	34	19S	38E	675340	3611037*	2653	110	60	50
L_00561 S	R	L	LE	1	2	2	34	19S	38E	675340	3611037*	2653	110	60	50
L_09503		L	LE	4	3	4	10	20S	38E	675215	3606402*	2671	100	47	53
L_10425		L	LE	3	4	1	34	19S	38E	674542	3610421*	2675	60	35	25
L_00298 POD5		L	LE	3	3	3	25	19S	38E	677345	3611275*	2689	112	64	48
L_11812		L	LE	3	3	3	26	19S	38E	675736	3611247*	2689	130		
L_11814		L	LE	3	3	3	26	19S	38E	675736	3611247*	2689	120		
L_00561 POD5		L	LE	3	1	2	34	19S	38E	674938	3610831*	2698	108	40	68
L_00561 POD6		L	LE	3	1	2	34	19S	38E	674938	3610831*	2698	80	45	35
L_02848		L	LE	1	3	1	07	20S	39E	679024	3607476*	2725	97	60	37
L_08310		L	LE		1	1	13	20S	38E	677536	3606140*	2725	65	42	23
L_08514		L	LE	4	1	1	14	20S	38E	676027	3606013*	2739	60		
L_10049		L	LE			4	12	20S	38E	678535	3606758*	2747	90	50	40

L_01464		L	LE	4	4	4	27	19S	38E	675534	3611240*	2753	85	58	27
L_01499		L	LE	4	4	4	27	19S	38E	675534	3611240*	2753	80	50	30
L_01858		L	LE	4	4	4	27	19S	38E	675534	3611240*	2753	110	48	62
L_02123		L	LE	4	4	4	27	19S	38E	675534	3611240*	2753	96	54	42
L_04113		L	LE	4	4	4	27	19S	38E	675534	3611240*	2753	70	55	15
L_06609		L	LE	4	4	4	27	19S	38E	675534	3611240*	2753	128	60	68
L_10353	R	L	LE	4	4	4	27	19S	38E	675534	3611240*	2753	100	100	0
L_10353 POD2		L	LE	4	4	4	27	19S	38E	675534	3611240*	2753	98	57	41
L_11450		L	LE	4	4	4	27	19S	38E	675534	3611240*	2753	130		
L_00298 POD6		L	LE	1	3	4	26	19S	38E	676541	3611461*	2766	152	66	86
L_13398 POD1		L	LE	4	1	1	14	20S	38E	676082	3605956	2784	60	60	0
L_02978		L	LE	1	4	1	34	19S	38E	674542	3610621*	2808	54	35	19
L_00312 S3		L	LE			2	36	19S	38E	678465	3610786*	2810	111	40	71
L_09836		L	LE	3	4	4	27	19S	38E	675334	3611240*	2836	98	57	41
L_12851 POD1		L	LE	1	4	1	34	19S	38E	674460	3610592	2850	70		
L_12880 POD1		L	LE	3	4	4	27	19S	38E	675432	3611318	2865	130		
L_00298 POD9		L	LE	1	3	3	26	19S	38E	675736	3611447*	2880	161	75	86
L_01338		L	LE		4	4	27	19S	38E	675435	3611341*	2885	75	45	30
L_03433		L	LE		4	4	27	19S	38E	675435	3611341*	2885	100	55	45
L_12308 POD1		L	LE	1	3	3	26	19S	38E	675766	3611470	2894	134	68	66
L_04091		L	LE	4	3	4	27	19S	38E	675132	3611233*	2925	178	178	0
L_00561 POD9		L	LE	3	2	1	34	19S	38E	674536	3610824*	2955	57	35	22
L_12343 POD1		L	LE	4	1	1	34	19S	38E	674434	3610730	2962	66	42	24
L_00561 POD3	R	L	LE	2	2	1	34	19S	38E	674736	3611024*	2974	85	45	40
L_00996 POD1		L	LE	2	2	1	34	19S	38E	674736	3611024*	2974	50		
L_01687 POD1		L	LE	2	2	1	34	19S	38E	674736	3611024*	2974	50	40	10
L_01514 POD2		L	LE	4	2	4	27	19S	38E	675602	3611576	3045	145	57	88
L_12745 POD1		L	LE	4	2	4	27	19S	38E	675602	3611576	3045	132	58	74
L_00561 POD8		L	LE	4	1	1	34	19S	38E	674334	3610817*	3094	60	37	23
L_14071 POD1		L	LE	4	3	1	07	20S	39E	679316	3607200	3111	120	65	55
L_06081		L	LE			4	27	19S	38E	675234	3611535*	3145	100	55	45
L_09481		L	LE			4	27	19S	38E	675234	3611535*	3145	92	65	27
L_10592		L	LE			4	27	19S	38E	675234	3611535*	3145	95	90	5
L_10610		L	LE			4	27	19S	38E	675234	3611535*	3145	100	52	48
L_10812		L	LE			4	27	19S	38E	675234	3611535*	3145	100	44	56
L_02735		L	LE	4	4	4	12	20S	38E	678836	3606463*	3168	90	65	25
L_01442 POD2		L	LE	2	2	4	26	19S	38E	677137	3611871*	3223	138	68	70
L_00561		L	LE	3	1	1	34	19S	38E	674130	3610789	3228	90	33	57

L_00561	R	L	LE	3	1	1	34	19S	38E	674130	3610789		3228	90	33	57
L_02829		L	LE	2	1	1	34	19S	38E	674334	3611017*		3235	68	35	33
L_00561 POD10		L	LE		1	1	34	19S	38E	674235	3610918*		3235	80	42	38
L_13006 POD1		L	LE	2	2	3	26	19S	38E	676433	3611936		3244	135	92	43
L_01453 POD2		L	LE	2	2	4	27	19S	38E	675528	3611843*		3321	126	47	79
L_02048		L	LE	2	2	4	27	19S	38E	675528	3611843*		3321	80		
L_02048	R	L	LE	2	2	4	27	19S	38E	675528	3611843*		3321	80		
L_02048 POD2		L	LE	2	2	4	27	19S	38E	675528	3611843*		3321	80	49	31
L_02048 POD2	R	L	LE	2	2	4	27	19S	38E	675528	3611843*		3321	80	49	31
L_02048 POD3		L	LE	2	2	4	27	19S	38E	675528	3611843*		3321	80	50	30
L_02048 POD3	R	L	LE	2	2	4	27	19S	38E	675528	3611843*		3321	80	50	30
L_07968		L	LE	2	2	4	27	19S	38E	675528	3611843*		3321	130	65	65
L_08871		L	LE	2	2	4	27	19S	38E	675528	3611843*		3321	105	63	42
L_00561 POD4		L	LE	1	1	1	34	19S	38E	674134	3611017*		3377	78	39	39
L_00561 POD4	R	L	LE	1	1	1	34	19S	38E	674134	3611017*		3377	78	39	39
L_05210		L	LE	3	1	4	25	19S	38E	678144	3611692*		3377	100	56	44
L_12816 POD1		L	LE	2	2	4	27	19S	38E	675547	3611923		3392	135		
L_10060		L	LE		4	4	25	19S	38E	678654	3611397*		3402	115	58	57
L_10417		L	LE		1	4	27	19S	38E	675027	3611737*		3418	94	30	64
L_10548		L	LE		1	4	27	19S	38E	675027	3611737*		3418	99		
L_10627		L	LE		1	4	27	19S	38E	675027	3611737*		3418	93	52	41
L_05244		L	LE	1	4	4	25	19S	38E	678553	3611496*		3422	107	60	47
L_05610		L	LE			4	25	19S	38E	678452	3611591*		3444	105	65	40
L_09009		L	LE	2	1	4	27	19S	38E	675126	3611836*		3463	100	54	46
L_09038	R	L	LE	2	1	4	27	19S	38E	675126	3611836*		3463	100	55	45
L_09038 POD2		L	LE	2	1	4	27	19S	38E	675126	3611836*		3463	84	50	34
L_09164		L	LE	2	1	4	27	19S	38E	675126	3611836*		3463	100	80	20
L_14658 POD1		L	LE	2	1	4	27	19S	38E	675200	3611930		3519	89	51	38
L_10557		L	LE				31	19S	39E	679684	3610396*		3533	135	75	60
L_00298 POD11		L	LE	3	4	1	25	19S	38E	677735	3612088*		3581	147	89	58
L_12837 POD1		L								679620	3610637		3602	200	72	128
L_13769 POD1		L	LE	1	2	1	34	19S	38E	674182	3611391		3612	90	50	40
L_09302		L	LE		2	3	27	19S	38E	674624	3611730*		3614	96	48	48
L_09501		L	LE	2	2	3	27	19S	38E	674723	3611829*		3646	92	40	52
L_09679		L	LE	4	3	3	30	19S	39E	679155	3611303*		3660	100		
L_11271		L	LE	4	3	3	30	19S	39E	679155	3611303*		3660	112		
L_12530 POD1		L	LE	3	3	2	27	19S	38E	675016	3612006		3665	90		
L_05127 POD9		L	LE		3	3	30	19S	39E	679056	3611404*		3665	115	58	57
L_10399		L	LE		3	3	30	19S	39E	679056	3611404*		3665	115		

L_00299		L	LE	4	1	3	27	19S	38E	674321	3611622*	3701	100	40	60
L_09606		L	LE	3	3	2	27	19S	38E	674919	3612039*	3736	100	56	44
L_12011 POD1		L	LE	3	3	2	27	19S	38E	675012	3612090	3742	95		
L_09773		L	LE		3	2	27	19S	38E	675020	3612140*	3784	104	65	39
L_09825		L	LE		3	2	27	19S	38E	675020	3612140*	3784	91	65	26
L_11510		L	LE		3	2	27	19S	38E	675020	3612140*	3784	42		
L_06612		L	LE	3	2	2	26	19S	38E	676924	3612476*	3795	125	80	45
L_09995		L	LE	4	4	1	27	19S	38E	674717	3612032*	3824	94	65	29
L_11222		L	LE	4	4	1	27	19S	38E	674717	3612032*	3824	101		
L_09081		L	LE	2	3	2	27	19S	38E	675119	3612239*	3835	100	55	45
L_00298 POD10		L	LE	2	4	1	25	19S	38E	677935	3612288*	3837	141	81	60
L_09783		L	LE			2	27	19S	38E	675221	3612341*	3893	102	35	67
L_10782		L	LE			2	27	19S	38E	675221	3612341*	3893	100	52	48
L_08614		L	LE		2	2	26	19S	38E	677025	3612577*	3906	140	70	70
L_09074		L	LE	1	3	2	27	19S	38E	674919	3612239*	3916	100	55	45
L_05127 POD8		L	LE			3	30	19S	39E	679257	3611605*	3949	117	90	27
L_05127 POD8	R	L	LE			3	30	19S	39E	679257	3611605*	3949	117	90	27
L_09488		L	LE			3	30	19S	39E	679257	3611605*	3949	112	80	32
L_05127		L	LE	4	1	3	30	19S	39E	679149	3611706*	3953			
L_05127	R	L	LE	4	1	3	30	19S	39E	679149	3611706*	3953			
L_05127 S2		L	LE	4	4	3	30	19S	39E	679558	3611310*	3958	124	55	69
L_05127 S2	R	L	LE	4	4	3	30	19S	39E	679558	3611310*	3958	124	55	69
L_00298		L	LE	2	3	3	27	19S	38E	674121	3611822*	3982	100	70	30
L_00298 POD13		L	LE	1	2	2	26	19S	38E	676924	3612676*	3995	161	121	40
L_10130		L	LE	2	4	1	27	19S	38E	674717	3612232*	4000	96	40	56
L_10132		L	LE	2	4	1	27	19S	38E	674717	3612232*	4000	91	40	51
L_13138 POD1		L	LE	2	2	2	27	19S	38E	675619	3612578	4002	120		
L_08992		L	LE	4	1	2	27	19S	38E	675113	3612441*	4025	100	54	46
L_10385	R	L	LE	4	1	2	27	19S	38E	675113	3612441*	4025	100	45	55
L_10385 POD2		L	LE	4	1	2	27	19S	38E	675113	3612441*	4025	98		
L_08300		L	LE		2	2	27	19S	38E	675416	3612549*	4027	102	48	54
L_09707		L	LE		2	2	27	19S	38E	675416	3612549*	4027	100	46	54
L_14353 POD1		L	LE	2	2	2	27	19S	38E	675517	3612614	4062	180	84	96
L_12381 POD1		L	LE	3	1	2	27	19S	38E	675008	3612453	4076	124		
L_11713 POD1		L	LE	1	3	1	04	20S	38E	672532	3609138	4078	62	30	32
L_13975 POD1		L	LE	3	2	2	27	19S	38E	675127	3612517	4091	104	70	34
L_09573		L	LE	2	2	2	27	19S	38E	675515	3612648*	4095	92	57	35
L_05877		L	LE		2	4	28	19S	38E	673820	3611716*	4096	100	55	45

L_00298 POD4		L	LE	3	1	2	27	19S	38E	674913	3612441*	4102	108	55	53
L_09205		L	LE	3	1	2	27	19S	38E	674913	3612441*	4102	108	55	53
L_11820		L	LE	3	1	2	27	19S	38E	674913	3612441*	4102	100		
L_08855	R	L	LE	1	2	2	27	19S	38E	675315	3612648*	4152	107	55	52
L_08855 POD2		L	LE	1	2	2	27	19S	38E	675315	3612648*	4152	105	55	50
L_00298 POD8		L	LE	1	2	1	25	19S	38E	677729	3612690*	4155	143	70	73
L_09702		L	LE		1	2	27	19S	38E	675014	3612542*	4155	89	60	29
L_09703		L	LE		1	2	27	19S	38E	675014	3612542*	4155	104	65	39
L_10520		L	LE		1	2	27	19S	38E	675014	3612542*	4155	100	50	50
L_10604		L	LE		1	2	27	19S	38E	675014	3612542*	4155	98	52	46
L_10055 POD1		L	LE	1	1	1	24	20S	38E	677465	3604628*	4160	53	30	23
L_01990		L	LE	4	2	1	27	19S	38E	674711	3612434*	4182	109	40	69
L_11172		L	LE	4	2	1	27	19S	38E	674711	3612434*	4182	101		
L_14246 POD1		L	LE	1	1	2	27	19S	38E	674996	3612576	4194	103	65	38
L_00298 POD3		L	LE	2	3	1	27	19S	38E	674315	3612225*	4197	96	56	40
L_05789		L	LE	2	1	2	27	19S	38E	675113	3612641*	4212	87	50	37
L_09114		L	LE	2	1	2	27	19S	38E	675113	3612641*	4212	100	55	45
L_11384		L	LE	2	1	2	27	19S	38E	675113	3612641*	4212	105		
L_08212		L	LE	4	3	3	23	19S	38E	675912	3612857*	4216	121	60	61
L_03519		L	LE	3	2	2	31	19S	39E	680168	3610921*	4216	133	60	73
L_03519	R	L	LE	3	2	2	31	19S	39E	680168	3610921*	4216	133	60	73
L_10660		L	LE			1	27	19S	38E	674417	3612327*	4230	102	63	39
L_09208		L	LE	1	1	2	27	19S	38E	674913	3612641*	4286	105	56	49
L_09664		L	LE		2	1	27	19S	38E	674612	3612535*	4317	100	45	55
L_09776		L	LE		2	1	27	19S	38E	674612	3612535*	4317	103	52	51
L_09868		L	LE		2	1	27	19S	38E	674612	3612535*	4317	103	52	51
L_10536		L	LE		2	1	27	19S	38E	674612	3612535*	4317	93		
L_10057 POD1		L	LE	3	1	1	24	20S	38E	677465	3604428*	4356	58		
L_09620		L	LE	2	2	1	27	19S	38E	674711	3612634*	4362	98	60	38
L_11850		L	LE	2	2	1	27	19S	38E	674711	3612634*	4362	95		
L_00298 POD12		L	LE	4	2	2	25	19S	38E	678734	3612505*	4373	141	70	71
L_05127 S		L	LE	2	2	3	30	19S	39E	679552	3611913*	4375			
L_05127 S	R	L	LE	2	2	3	30	19S	39E	679552	3611913*	4375			
L_11301		L	LE	1	2	1	27	19S	38E	674511	3612634*	4452	102		
L_10466		L	LE			4	23	19S	38E	676818	3613174*	4484	100	100	0
L_03913		L	LE	3	2	3	23	19S	38E	676108	3613267*	4596	100	60	40
L_04791		L	LE				28	19S	38E	673222	3611896*	4643	90	40	50
L_01989		L	LE	1	1	1	27	19S	38E	674108	3612628*	4648	108	38	70
L_01372		L	LE			3	28	19S	38E	672820	3611494*	4692		70	

L 03799	L	LE	1	2	4	08	20S	38E	672190	3606955*	4728	83		
L 03800	L	LE	1	2	4	08	20S	38E	672190	3606955*	4728	103		
L 11413	L	LE	1	1	4	23	19S	38E	676510	3613474*	4779	135	76	59
L 11276	L	LE	2	2	3	23	19S	38E	676308	3613467*	4780	134		
L 05005	L	LE	4	1	4	22	19S	38E	675101	3613246*	4787	84	45	39
L 00438	L	LE	2	3	2	08	20S	38E	671980	3607351	4798	120	38	82
L 00438 S2	L	LE	2	3	2	08	20S	38E	671980	3607351	4798	120	88	32
L 11127	L	LE	3	3	3	22	19S	38E	674102	3612830*	4823	108		
L 10163	L	LE		2	4	30	19S	39E	680257	3611828*	4825	104	70	34
L 04833	L	LE		3	3	22	19S	38E	674203	3612931*	4860	115	50	65
L 03054	L	LE				23	19S	38E	676416	3613561*	4868	95	50	45
L 12204 POD1	L	LE	2	2	4	30	19S	39E	680304	3611891	4902	165	80	85
L 14693 POD2	L	LE	1	1	3	24	19S	38E	677317	3613548	4907	125	76	49

Average Depth to Water: **55 feet**

Minimum Depth: **18 feet**

Maximum Depth: **178 feet**

Record Count: 352

UTMNAD83 Radius Search (in meters):

Easting (X): 676586.59 **Northing (Y):** 3608695 **Radius:** 5000

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

9/24/19 8:42 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER

New Mexico Office of the State Engineer
Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Tws	Rng	(NAD83 UTM in meters) X	Y
20627	L 14339 POD1	1	1	4	02	20S	38E	676580	3608613

Driller License:	1641	**Driller Company:**	A & K WATER WELL DRILLING		
Driller Name:	KRISTOPHER L GLASSPOOLE				
Drill Start Date:	09/25/2017	**Drill Finish Date:**	09/28/2017	**Plug Date:**	
Log File Date:	11/21/2017	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	40 GPM
Casing Size:	6.00	**Depth Well:**	95 feet	**Depth Water:**	45 feet

Water Bearing Stratifications:	Top	Bottom	Description
	45	95	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	55	95

New Mexico Office of the State Engineer
Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Twn	Rng	(NAD83 UTM in meters) X	Y
	L 07559 POD10	2	2	3	02	20S	38E	676385	3608638*

Driller License:	46	**Driller Company:**	ABBOTT BROTHERS COMPANY		
Driller Name:	ABBOTT, MURRELL				
Drill Start Date:	05/31/1976	**Drill Finish Date:**	06/30/1976	**Plug Date:**	
Log File Date:	07/01/1976	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	4.00	**Depth Well:**	75 feet	**Depth Water:**	46 feet

Water Bearing Stratifications:	Top	Bottom	Description
	46	75	Other/Unknown

Casing Perforations:	Top	Bottom
	60	75

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

New Mexico Office of the State Engineer
Point of Diversion Summary

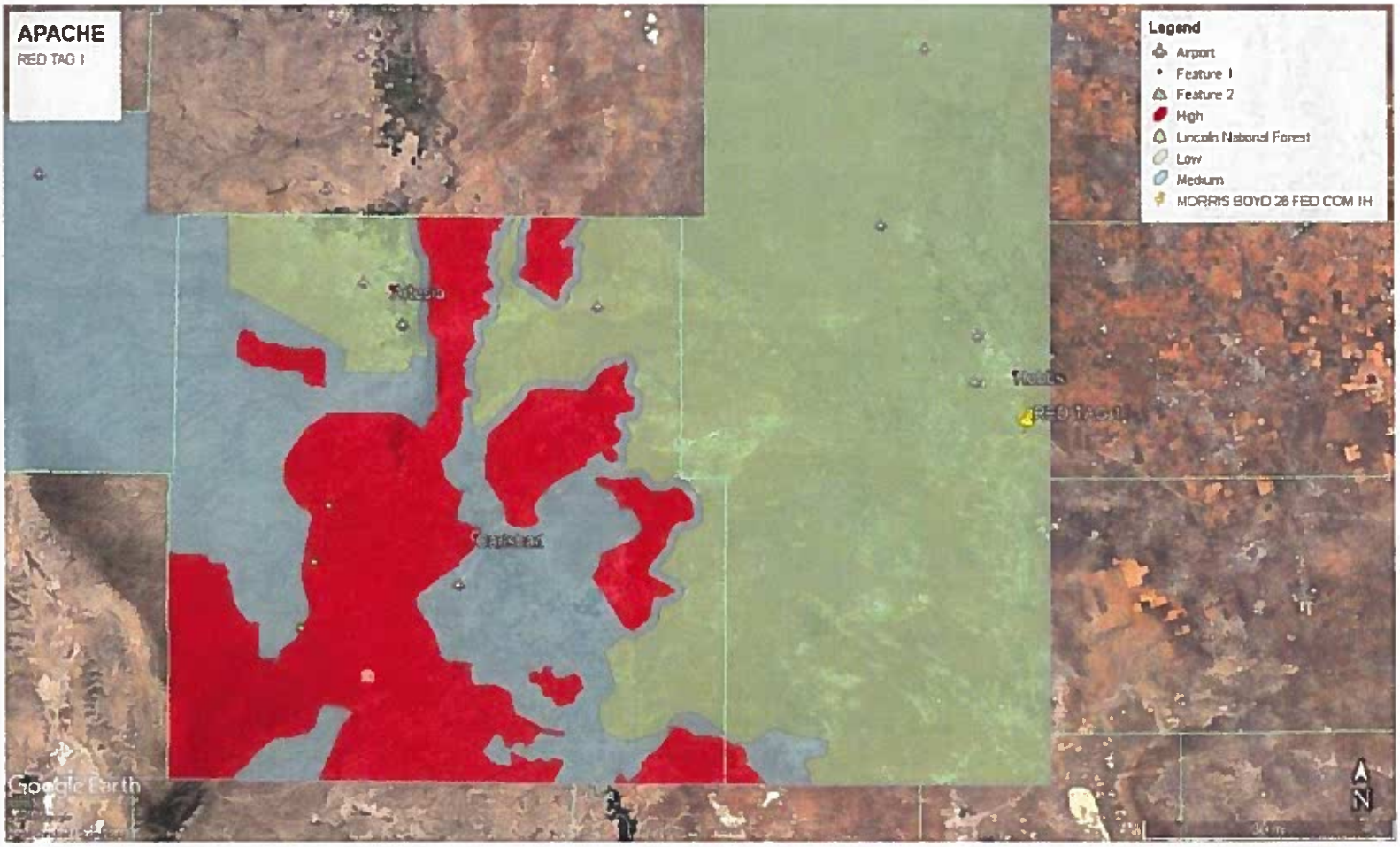
Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Twn	Rng	(NAD83 UTM in meters) X	Y
	L 13127 POD1	3	3	2	02	20S	38E	676682	3608815

Driller License:	1641	**Driller Company:**	A & K WATER WELL DRILLING		
Driller Name:					
Drill Start Date:	08/10/2012	**Drill Finish Date:**	08/17/2012	**Plug Date:**	
Log File Date:	08/30/2012	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	5.00	**Depth Well:**	117 feet	**Depth Water:**	75 feet

Water Bearing Stratifications:	Top	Bottom	Description
	0	2	Other/Unknown
	2	14	Shale/Mudstone/Siltstone
	14	23	Shale/Mudstone/Siltstone
	23	29	Shale/Mudstone/Siltstone
	29	58	Sandstone/Gravel/Conglomerate
	58	65	Sandstone/Gravel/Conglomerate
	65	85	Sandstone/Gravel/Conglomerate
	85	100	Shale/Mudstone/Siltstone
	100	109	Shale/Mudstone/Siltstone
	109	117	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	0	10
	10	77
	77	117


Apache Red Tag #1
Historical Aerial Photo 8/2011
Legend
Red Tag #1
Google Earth
N


APACHE
RED TAG 1
Legend
Airport
Feature 1
Feature 2
High
Lincoln National Forest
Low
Medium
MORRIS BOYD 26 FED COM 1H
Google Earth
N

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

December 21, 2010

NATALIE GLADDEN

APACHE - EUNICE

P. O. BOX 1849

EUNICE, NM 88231

RE: APACHE RED TAG #1

Enclosed are the results of analyses for samples received by the laboratory on 12/16/10 16:26.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydorcarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene
Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

APACHE - EUNICE
NATALIE GLADDEN
P. O. BOX 1849
EUNICE NM, 88231
Fax To: 394-2425

Received:	12/16/2010	Sampling Date:	12/16/2010
Reported:	12/21/2010	Sampling Type:	Soil
Project Name:	APACHE RED TAG #1	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: 5 PT BTTM COMP (H021547-01)

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/20/2010	ND	432	108	400	3.77	

Sample ID: NORTH WALL (H021547-02)

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	12/20/2010	ND	432	108	400	3.77	

Sample ID: SOUTH WALL (H021547-03)

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/20/2010	ND	432	108	400	3.77	

Sample ID: EASAT WALL (H021547-04)

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/20/2010	ND	432	108	400	3.77	

Sample ID: WEST WALL (H021547-05)

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	12/20/2010	ND	432	108	400	3.77	

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(505) 393-2326 FAX (505) 393-2476

Company Name:	Apache
Project Manager:	Natalie Gladden
Address:	Apache
City:	State: Zip:
Phone #:	Fax #:
Project #:	Project Owner:
Project Name:	Apache Red Tank #1
Project Location:	
Sampler Name:	Bruce Baker

BILL TO

P.O. #:	
Company:	
Attn:	
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

Lab I.D.	Sample I.D.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ICE/COOL	OTHER	DATE	TIME
H21547-1	Spl. Arm Comp	1			X						3-16-11	1:30 pm
2	North Wall	1			X						"	1:31 pm
3	South Wall	1			X						"	1:37 pm
4	East Wall	1			X						"	2:15 pm
5	West Wall	1			X						"	2:19 pm

PRESERV: ICE/COOL, OTHER. SAMPLING: DATE, TIME. MATRIX: GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER. # CONTAINERS. GRAB OR (C)OMP.

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 3-16-11	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
Bruce Baker	Time: 4:26	Jodi Henson	Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS: email remarks to Natalie.gladden@eog.apachecorp.com, hconder@trace-ecs.com, lcander@..., hbaker@trace-ecs.com
	Time:		

Delivered By: (Circle One) Sampler - UPS - Bus - Other:

Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No. 17.5°C

CHECKED BY (Initials)

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476