Sorted by distance from EBDU 24

WELL	SPUD	TD	POOL	WELL STATUS	HOLE O.D.	CASING O.D.	SET @	CEMENT	TOC	HOW TOC DETERMINED
EBDU 067	4/25/08	6960	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1366	680 sx	GL	Circ
30-025-38771					7.875	5.5	6960	1550 sx	1013	CBL
H-11-21S-37E										
EBDU 026	4/10/62	7500	Eunice; Bli-Tu-Dr, N	I	17.5	13.375	368	300 sx	GL	Circ
30-025-06536					12.25	9.625	3094	1150 sx	1600	Temp Survey
G-11-21S-37E					8.75	7	7499	650 sx	3600	Temp Survey
EBDU 086	6/27/10	7112	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1370	750 sx	GL	Circ
30-025-39644					7.875	5.5	7112	1400 sx	340	no report
F-11-21S-37E										
EBDU 063	5/26/07	6968	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1321	600 sx	GL	Circ
30-025-38234					7.875	5.5	6968	1050 sx	70	CBL
J-11-21S-37E										

EXHIBIT F

Sorted by distance from EBDU 24

EBDU 023	7/16/57	5925	Eunice; Bli-Tu-Dr, N	I	15	10.75	275	250 sx	GL	Circ
30-025-06529					9.5	7.625	3124	420 sx	1575	Calc
G-11-21S-37E					6.75	5.5	5924	400 sx	3175	Calc
EBDU 087	8/15/09	6950	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1390	650 sx	GL	Circ
30-025-39406					7.875	5.5	6950	1000 sx	GL	Circ
P-11-21S-37E										
EBDU 020	4/1/65	6780	Eunice; Bli-Tu-Dr, N	I	15	10.75	270	300 sx	GL	Circ
30-025-06481					9.5	7.625	2950	700 sx	1350	Calc
I-11-21S-37E					6.75	5.5	5900	300 sx	2825	Calc
					4.5	4	6780	75 sx	5875	TOL
NEDU 424	8/7/06	6955	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1239	550 sx	GL	Circ 146 sx
30-025-37728					7.875	5.5	6955	1325 sx	140	CBL
K-11-21S-37E										

Sorted by distance from EBDU 24

EBDU 073	9/18/09	6978	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1430	850 sx	GL	Circ
30-025-39380					7.875	5.5	6978	1150 sx	GL	Circ
G-11-21S-37E										
EBDU 019	4/4/56	6775	Eunice; Bli-Tu-Dr, N	I	13.75	10.75	266	250 sx	GL	Circ
30-025-06480					9.875	7.625	2955	1646 sx	GL	Circ
H-11-21S-37E					7.875	5.5	5920	450 sx	200	CBL
					4.75	4	6775	40 sx	5918	TOL
EBDU 066	4/12/08	7000	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1413	680 sx	GL	Circ
30-025-38761					7.875	5.5	7000	1300 sx	125	CBL
A-11-21S-37E										
NEDU 528	2/24/06	6900	Eunice; Bli-Tu-Dr. N	O	12.25	8.625	1230	525 sx	GL	Circ 104 sx
30-025-37673					7.875	5.5	6900	1325 sx	190	CBL
N-11-21S-37E										

Sorted by distance from EBDU 24

NEDU 512	3/14/62	7492	Eunice; Bli-Tu-Dr, N	I	17.5	13.375	350	250 sx	GL	Circ
30-025-06534					12.25	9.625	3093	1200 sx	1500	Temp Survey
K-11-21S-37E					8.75	7	7492	625 sx	3800	Temp Survey
EBDU 074	8/30/09	7000	Eunice; Bli-Tu-Dr. N	O	12.25	8.625	1425	650 sx	GL	Circ
30-025-39379					7.875	5.5	7000	1150 sx	GL	Circ
L-12-21S-37E										
EBDU 025	12/27/61	7450	Eunice; Bli-Tu-Dr, N	O	17.5	13.375	322	250 sx	GL	Circ
30-025-06531					12.25	9.625	2912	950 sx	1500	Temp Survey
F-11-21S-37E					8.75	7	7450	770 sx	1200	no report
EBDU 075	8/20/08	6985	Eunice; Bli-Tu-Dr. N	O	12.25	8.625	1425	850 sx	GL	Circ
30-025-39012					7.875	5.5	6985	1482 sx	1410	CBL
L-12-21S-37E										

Sorted by distance from EBDU 24

EBDU 017	6/27/53	7577	Eunice; Bli-Tu-Dr, N	I	17.5	13.375	268	250 sx	GL	Circ
30-025-06478					12.25	9.625	2996	2100 sx	GL	Circ
O-11-21S-37E					8.75	7	7576	861 sx	3380	no report
NEDU 530	4/24/06	6900	Eunice; Bli-Tu-Dr. N	O	12.25	8.625	1218	500 sx	GL	Circ 107 sx
30-025-37729					7.875	5.5	6900	1225 sx	186	CBL
K-11-21S-37E										
EBDU 022	6/15/56	5900	Eunice; Bli-Tu-Dr, N	I	12.25	8.625	1400	750 sx	GL	Circ
30-025-06528					7.875	5.5	5899	3200 sx	2250	CBL
P-11-21S-37E										
EBDU 021	4/29/56	5932	Eunice; Bli-Tu-Dr. N	O	12.25	8.625	1396	700 sx	no report	no report
30-025-06523					7.875	5.5	5924	1626 sx	1626	no report
B-11-21S-37E										

EXHIBIT F

Sorted by distance from EBDU 24

EBDU 099	10/6/10	7204	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1378	700 sx	GL	Circ 189 sx
30-025-39865					7.875	5.5	7204	1425 sx	100	CBL
C-11-21S-37E										
EBDU 046	10/20/55	5950	Eunice; Bli-Tu-Dr. N	P & A	17	13.375	313	300 sx	GL	Circ
30-025-06552					11	8.625	3249	1500 sx	GL	Circ
L-12-21S-37E					7.875	5.5	5948	100 sx	4916	Calc
EBDU 080	3/19/10	6815	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1352	700 sx	GL	Circ
30-025-39674					7.875	5.5	6815	1150 sx	150	CBL
A-14-21S-37E										
NEDU 513	5/12/55	6711	Eunice; Bli-Tu-Dr. N	O	13.75	10.75	254	250 sx	GL	Circ
30-025-06533					9.875	7.625	3049	484 sx	700	no report
N-11-21S-37E					7.625	5.5	6479	1280 sx	GL	Circ

Sorted by distance from EBDU 24

EBDU 098	7/7/10	7211	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1380	750 sx	GL	Circ
30-025-39645					7.875	5.5	7200	1460 sx	80	CBL
D-12-21S-37E										
EBDU 036	2/6/56	5965	Eunice; Bli-Tu-Dr, N	I	15	10.75	260	300 sx	GL	Calc
30-025-06546					9.875	7.625	3152	900 sx	GL	Calc
E-12-21S-37E					6.75	5.5	5964	400 sx	4118	Calc
EBDU 101	6/29/10	7211	Eunice; Bli-Tu-Dr, N	O	12.25	8.625	1340	700 sx	GL	Circ
30-025-39678					7.875	5.5	7051	1400 sx	94	CBL
E-11-21S-37E										
NEDU 517	5/17/00	6860	Eunice; Bli-Tu-Dr. N	O	12.25	8.625	1341	460 sx	GL	Circ 96 sx
30-025-34885					7.875	5.5	6860	1340 sx	GL	Circ 125 sx
N-11-21S-37E										

Sorted by distance from EBDU 24

EBDU 014	3/8/52	7831	Eunice; Bli-Tu-Dr, N	O	no report	10.75	255	250 sx	GL	Circ
30-025-06482					no report	7.625	3149	1600 sx	750	Temp Survey
B-11-21S-37E					6.75	5.5	7830	583 sx	3150	Temp Survey
EBDU 018	3/11/54	5880	Eunice; Bli-Tu-Dr, N	I	15	10.75	257	250 sx	GL	Calc
30-025-06479					9.5	7.875	3149	940 sx	GL	Calc
A-11-21S-37E					6.75	5.5	5879	415 sx	5880	Calc
EBDU 030	4/27/53	8202	Eunice; Bli-Tu-Dr, N	O	15	10.75	255	250 sx	GL	Calc
30-025-06539					9.5	7.625	3160	1255 sx	GL	Calc
E-12-21S-37E					6.75	5.5	8201	468 sx	3891	Calc
EBDU 090	9/4/08	7012	Eunice;Bli-Tu-Dr, N	O	12.25	8.625	1435	750 sx	GL	Circ
30-025-39034					7.875	5.5	7012	1550 sx	84	CBL
L-12-21S-37E										

Sorted by distance from EBDU 24

NEDU 510	11/27/63	7200	Eunice; Bli-Tu-Dr. N	O	17.5	13.375	336	330 sx	GL	Circ
30-025-20218					12.25	9.625	3008	900 sx	GL	Circ
L-11-21S-37E					8.75	7	6000	No report	3400	Temp Survey
					7.875	4.5	7200	930 sx	6000	TOL

Apache

LEASE NAME	East Blinebry Drinkard Unit
WELL #	46
API #	30-025-06552
COUNTY	Lea

spud 10-22-55
P&A 11-27-13

1980 FSL & 660 FWL
12-21S-37E

0

17" Hole
13 3/8" 48# @ 313'
w/300 sx to surf

595

1190

1784

2379

2974

11" Hole
8 5/8" 32# @ 3249'
w/ 1500 sx to surf

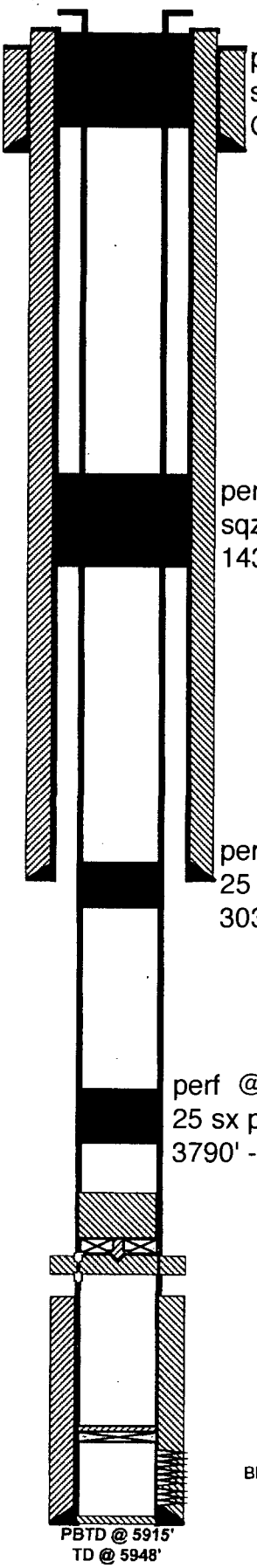
3569

4164

4758

5353

5948



perf @ 363'
sqz 120 sx
GL - 363'

perf @ 1600'
sqz 75 sx
1430' - 1600'

perf @ 3300' - no pump into perfs
25 sx plug
3035' - 3350'

perf @ 4000' - no pump into perfs
25 sx plug
3790' - 4050'

TOC on CIRC @ 4033'

Set CIRC @ 4785' w/ 250' cmt on top

Csg leak @ 4815'-4912' sqzd w/ 400 sx cmt
TOC Cal @ 4916'

CIBP @ 5560' w/ 35' cmt

Blinebry perfs @ 5631'-5918'

7 7/8" Hole
5 1/2" 15.5# @ 5948'
w/ 100 sx Cal TOC @ 4916'

PBTD @ 5915'
TD @ 5948'

EXHIBIT G

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
CP 00137 POD1		CP	LE	2	2	1	13	21S	37E	676862	3595783*	1452	65		
CP 00286 POD1		CP	LE	2	1	2	10	21S	37E	674019	3597338*	1797	70		
CP 01185 POD1		CP	LE		1	3	14	21S	37E	674598	3594689	2166	70		
CP 01185 POD2		CP	LE		1	3	14	21S	37E	674623	3594674	2167	70		
CP 01110 POD1		CP	LE		1	3	14	21S	37E	674586	3594648	2207	70		
CP 01110 POD2		CP	LE		1	3	14	21S	37E	674586	3594648	2207	70		
CP 01110 POD3		CP	LE		1	3	14	21S	37E	674586	3594648	2207	70		
CP 01110 POD4		CP	LE		1	3	14	21S	37E	674586	3594648	2207	20		
CP 01110 POD5		CP	LE		1	3	14	21S	37E	674586	3594648	2207	20		
CP 01185 POD4		CP	LE		1	3	14	21S	37E	674633	3594610	2219	70		
CP 01185 POD3		CP	LE		1	3	14	21S	37E	674592	3594620	2229	70		
CP 01574 POD2		CP	LE	1	3	3	14	21S	37E	674666	3594578	2232	68	57	11
CP 00197	O	CP	LE	1	4	1	01	21S	37E	676611	3598599*	2233	85		
CP 00197 POD1		CP	LE	1	4	1	01	21S	37E	676611	3598599*	2233	85		
CP 01574 POD1		CP	LE	2	4	4	15	21S	37E	674559	3594598	2265	68	57	11
CP 00562		CP	LE	1	2	2	23	21S	37E	675887	3594159*	2435	136	65	71
CP 00239 POD1		CP	LE	1	1	2	23	21S	37E	675485	3594152*	2436	89	61	28
CP 00235 POD1		CP	LE	2	2	1	23	21S	37E	675283	3594144*	2466	81		
CP 00134 POD1		CP	LE	1	1	1	24	21S	37E	676289	3594166*	2500	85		
CP 00235 POD2		CP	LE	1	2	1	23	21S	37E	675083	3594144*	2504	96	65	31
CP 00235 POD6		CP	LE	2	1	1	23	21S	37E	674881	3594137*	2564	85	65	20
CP 00235 POD3		CP	LE	1	1	1	23	21S	37E	674681	3594137*	2630	90	61	29
CP 00235 POD8		CP	LE	3	1	2	23	21S	37E	675485	3593952*	2636	94	58	36
CP 00236 POD1		CP	LE	3	1	2	23	21S	37E	675485	3593952*	2636	83		
CP 00240 POD1		CP	LE	4	2	1	23	21S	37E	675283	3593944*	2664			
CP 00241 POD1		CP	LE	4	2	1	23	21S	37E	675283	3593944*	2664	79		
CP 00700		CP	LE			2	23	21S	37E	675794	3593851*	2735	75	65	10
CP 00235 POD7		CP	LE	3	1	1	23	21S	37E	674681	3593937*	2817	85	65	20
CP 00235 POD10		CP	LE	1	3	2	23	21S	37E	675492	3593749*	2838	92	60	32
CP 00235 POD11		CP	LE	1	3	2	23	21S	37E	675492	3593749*	2838	97	60	37

1610 m = 1 mile

EXHIBIT H

CP 00237 POD1	CP	LE	1	3	2	23	21S	37E	675492	3593749*	2838	84		
CP 00235 POD5	CP	LE	1	4	1	23	21S	37E	675090	3593742*	2895	90	70	20
CP 00235 POD4	CP	LE	1	3	1	23	21S	37E	674688	3593735*	3006	100	80	20
CP 00729 POD1	CP	LE	4	1	3	15	21S	37E	673259	3594711*	3036	8015		
CP 00238 POD1	CP	LE	3	3	2	23	21S	37E	675492	3593549*	3038	81		
CP 00554	CP	LE		2	2	16	21S	37E	672744	3595610*	3064	80	70	10
CP 00235 POD9	CP	LE	3	4	1	23	21S	37E	675090	3593542*	3092	94	58	36
CP 01141 POD3	CP	LE				15	21S	37E	673520	3594272	3142	40		
CP 01141 POD4	CP	LE				15	21S	37E	673556	3594239	3142	45		
CP 01141 POD2	CP	LE				15	21S	37E	673543	3594250	3143	40		
CP 01575 POD2	CP	LE	2	2	1	22	21S	37E	673615	3594181	3147	35	35	0
CP 01575 POD1	CP	LE	1	2	1	22	21S	37E	673544	3594204	3176	40	35	5

Average Depth to Water: **60 feet**

Minimum Depth: **35 feet**

Maximum Depth: **80 feet**

Record Count: 42

UTMNAD83 Radius Search (in meters):

Easting (X): 675650 **Northing (Y):** 3596583 **Radius:** 3220

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

EXHIBIT H

Analytical Report
Lab Order **1708C75**
Date Reported: **9/11/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Permits West
Project: Apache EBDU 24 et al
Lab ID: 1708C75-001
Matrix: AQUEOUS
Client Sample ID: Section 12 Tank
Collection Date: 8/18/2017 10:28:00 AM
Received Date: 8/22/2017 2:00:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	670	25	*	mg/L	50	8/31/2017 6:31:12 PM
EPA METHOD 1664B						Analyst: **MAB**
N-Hexane Extractable Material	ND	10.7		mg/L	1	9/1/2017
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **SRM**
Total Dissolved Solids	1770	20.0	*	mg/L	1	8/25/2017 5:04:00 PM

EXHIBIT H

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Permits West
Project: Apache EBDU 24 et al
Lab ID: 1708C75-002 **Matrix:** AQUEOUS

Client Sample ID: Section 13 WM
Collection Date: 8/18/2017 11:19:00 AM
Received Date: 8/22/2017 2:00:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	280	10	*	mg/L	20	8/25/2017 12:24:29 AM
EPA METHOD 1664B						Analyst: **MAB**
N-Hexane Extractable Material	ND	9.95		mg/L	1	9/1/2017
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **SRM**
Total Dissolved Solids	930	20.0	*	mg/L	1	8/25/2017 5:04:00 PM

EXHIBIT H

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Permits West
Project: Apache EBDU 24 et al
Lab ID: 1708C75-003
Matrix: AQUEOUS
Client Sample ID: Decky Pond
Collection Date: 8/18/2017 2:20:00 PM
Received Date: 8/22/2017 2:00:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	360	10	*	mg/L	20	8/25/2017 12:49:18 AM
EPA METHOD 1664B						Analyst: **MAB**
N-Hexane Extractable Material	ND	9.93		mg/L	1	9/1/2017
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **SRM**
Total Dissolved Solids	1040	20.0	*	mg/L	1	8/25/2017 5:04:00 PM

EXHIBIT H

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Permits West
Project: Apache EBDU 24 et al
Lab ID: 1708C75-004 **Matrix:** AQUEOUS

Client Sample ID: Section 15 Tank
Collection Date: 8/18/2017 5:17:00 PM
Received Date: 8/22/2017 2:00:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	660	25	*	mg/L	50	9/5/2017 6:57:19 PM
EPA METHOD 1664B						Analyst: **MAB**
N-Hexane Extractable Material	ND	10.1		mg/L	1	9/1/2017
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **SRM**
Total Dissolved Solids	1730	40.0	*D	mg/L	1	8/25/2017 5:04:00 PM

EXHIBIT H

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1708C75**

11-Sep-17

Client: Permits West

Project: Apache EBDU 24 et al

Sample ID **MB-33659**	SampType: **MBLK**	TestCode: **EPA Method 1664B**							
Client ID: **PBW**	Batch ID: **33659**	RunNo: **45373**							
Prep Date: **9/1/2017**	Analysis Date: **9/1/2017**	SeqNo: **1437730**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
N-Hexane Extractable Material	ND	10.0								

Sample ID **LCS-33659**	SampType: **LCS**	TestCode: **EPA Method 1664B**							
Client ID: **LCSW**	Batch ID: **33659**	RunNo: **45373**							
Prep Date: **9/1/2017**	Analysis Date: **9/1/2017**	SeqNo: **1437731**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
N-Hexane Extractable Material	33.8	10.0	40.00	0	84.5	78	114			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

EXHIBIT H

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1708C75**

11-Sep-17

Client: Permits West

Project: Apache EBDU 24 et al

Sample ID **MB**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBW**	Batch ID: **R45189**	RunNo: **45189**
Prep Date:	Analysis Date: **8/24/2017**	SeqNo: **1432143** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	0.50								

Sample ID **LCS**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSW**	Batch ID: **R45189**	RunNo: **45189**
Prep Date:	Analysis Date: **8/24/2017**	SeqNo: **1432144** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	5.0	0.50	5.000	0	100	90	110			

Sample ID **MB**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBW**	Batch ID: **R45380**	RunNo: **45380**
Prep Date:	Analysis Date: **8/31/2017**	SeqNo: **1437942** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	0.50								

Sample ID **LCS**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSW**	Batch ID: **R45380**	RunNo: **45380**
Prep Date:	Analysis Date: **8/31/2017**	SeqNo: **1437943** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.6	0.50	5.000	0	92.8	90	110			

Sample ID **MB**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBW**	Batch ID: **A45445**	RunNo: **45445**
Prep Date:	Analysis Date: **9/5/2017**	SeqNo: **1439920** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	0.50								

Sample ID **LCS-b**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSW**	Batch ID: **A45445**	RunNo: **45445**
Prep Date:	Analysis Date: **9/5/2017**	SeqNo: **1439922** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.6	0.50	5.000	0	91.9	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

EXHIBIT H

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1708C75**

11-Sep-17

Client: Permits West

Project: Apache EBDU 24 et al

Sample ID	**MB-33526**	SampType:	**MBLK**		TestCode:	**SM2540C MOD: Total Dissolved Solids**				
Client ID:	**PBW**	Batch ID:	**33526**		RunNo:	**45227**				
Prep Date:	**8/23/2017**	Analysis Date:	**8/25/2017**		SeqNo:	**1432473**	Units:	**mg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	20.0								

Sample ID	**LCS-33526**	SampType:	**LCS**		TestCode:	**SM2540C MOD: Total Dissolved Solids**				
Client ID:	**LCSW**	Batch ID:	**33526**		RunNo:	**45227**				
Prep Date:	**8/23/2017**	Analysis Date:	**8/25/2017**		SeqNo:	**1432474**	Units:	**mg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	1030	20.0	1000	0	103	80	120			

Sample ID	**1708C75-004AMS**	SampType:	**MS**		TestCode:	**SM2540C MOD: Total Dissolved Solids**				
Client ID:	**Section 15 Tank**	Batch ID:	**33526**		RunNo:	**45227**				
Prep Date:	**8/23/2017**	Analysis Date:	**8/25/2017**		SeqNo:	**1432494**	Units:	**mg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	3830	40.0	2000	1728	105	80	120			D

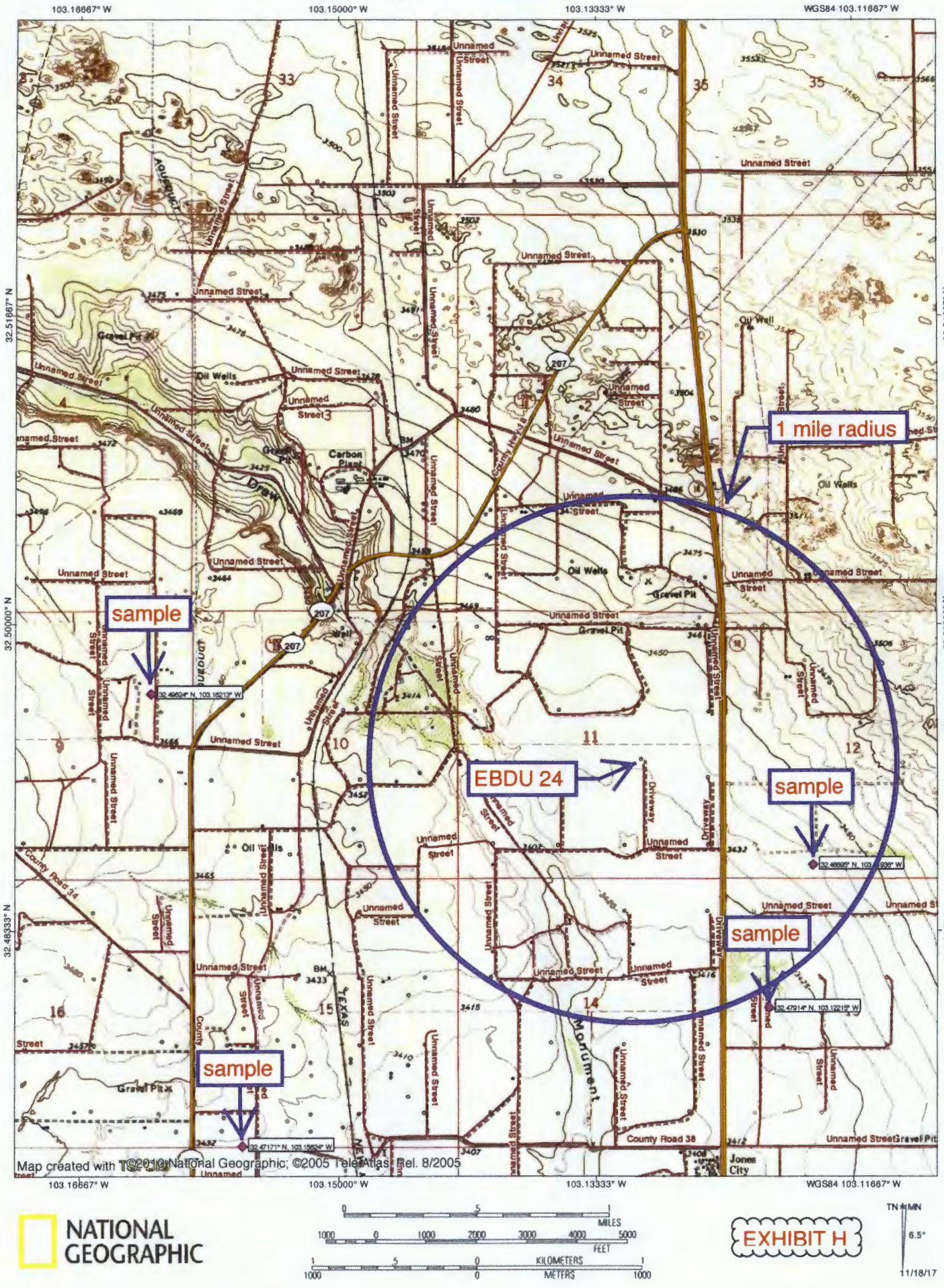
Sample ID	**1708C75-004AMSD**	SampType:	**MSD**		TestCode:	**SM2540C MOD: Total Dissolved Solids**				
Client ID:	**Section 15 Tank**	Batch ID:	**33526**		RunNo:	**45227**				
Prep Date:	**8/23/2017**	Analysis Date:	**8/25/2017**		SeqNo:	**1432495**	Units:	**mg/L**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	3850	40.0	2000	1728	106	80	120	0.625	5	D

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

EXHIBIT H


Ogallala
EBDU 24
207
Survey
Google Earth
EXHIBIT H
N
4000 ft


TOPO! map printed on 11/18/17 from "Untitled.tpo"
103.16667° W
103.15000° W
103.13333° W
WGS84 103.11667° W
32.51667° N
32.50000° N
32.48333° N
1 mile radius
sample
EBDU 24
sample
sample
sample
32.49924° N, 103.16213° W
32.47171° N, 103.15624° W
32.47914° N, 103.12218° W
Unnamed Street
Oil Wells
Gravel Pit
Carbon Plant
Draw
County Road 38
Monument
Jones City
Map created with TOPO! ©2010 National Geographic; ©2005 Tele Atlas, Rel. 8/2005
NATIONAL GEOGRAPHIC
MILES
FEET
KILOMETERS
METERS
EXHIBIT H
TN
MN
6.5°
11/18/17

Form C-108
Affirmative Statement
Apache Corporation
East Blinebry Drinkard Unit
Section 11, T-21-S, R-37-E
Lea County, New Mexico

The extractions from the seismic data show no evidence of faulting at (or above) the Glorieta in this area and surface mapping from the USGS confirms that no faults are known at the surface. In addition, we have no empirical evidence that our injection operations at EBDU are affected by faulting at the Glorieta level, the evaporites, or the surface. Available geologic and engineering data has been examined and no evidence of open faults or hydrological connection between the injection zone and any underground sources of drinking water has been found.

Justin Wagner
Geologist I

8/14/2017
Date

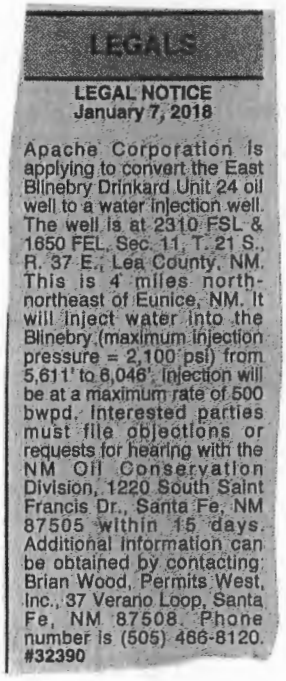
EXHIBIT I

Affidavit of Publication

STATE OF NEW MEXICO
COUNTY OF LEA

I, Daniel Russell, Publisher of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

Beginning with the issue dated
January 07, 2018
and ending with the issue dated
January 07, 2018.



LEGALS

LEGAL NOTICE
January 7, 2018

Apache Corporation is applying to convert the East Blinebry Drinkard Unit 24 oil well to a water injection well. The well is at 2310 FSL & 1650 FEL, Sec. 11, T. 21 S., R. 37 E., Lea County, NM. This is 4 miles north-northeast of Eunice, NM. It will inject water into the Blinebry (maximum injection pressure = 2,100 psi) from 5,611' to 6,046'. Injection will be at a maximum rate of 500 bwpd. Interested parties must file objections or requests for hearing with the NM Oil Conservation Division, 1220 South Saint Francis Dr., Santa Fe, NM 87505 within 15 days. Additional information can be obtained by contacting: Brian Wood, Permits West, Inc., 37 Verano Loop, Santa Fe, NM 87508. Phone number is (505) 466-8120.
#32390

Publisher

Sworn and subscribed to before me this
7th day of January 2018.

Business Manager

My commission expires
January 29, 2019
(Seal)

OFFICIAL SEAL
GUSSIE BLACK
Notary Public
State of New Mexico
My Commission Expires 1-29-19

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said

02108485

00205150

BRIAN WOOD
PERMITS WEST
37 VERANO LOOP
SANTA FE, NM 87508

EXHIBIT J

PERMITS WEST, INC.
PROVIDING PERMITS for LAND USERS
37 Verano Loop, Santa Fe, New Mexico 87508 (505) 466-8120

TYPICAL LETTER January 16, 2018

James Allen Bryant
8204 Indigo Court NE
Albuquerque NM 87122

Apache Corporation is applying (see attached application) to convert its East Blinebry Drinkard Unit 24 oil well to a water injection well. As required by NM Oil Conservation Division (NMOCD) Rules, I am notifying you of the following proposed water injection well. This letter is a notice only. No action is needed unless you have questions or objections.

Well Name: East Blinebry Drinkard Unit 24 (BLM lease) TD = 6,760'
Proposed Injection Zone: Blinebry from 5,611' to 6,046'
Where: 2310' FSL & 1650' FEL Sec. 11, T. 21 S., R. 37 E., Lea County, NM
Approximate Location: 4 air miles NNE of Eunice, NM
Applicant Name: Apache Corporation (432) 818-1062
Applicant's Address: 303 Veterans Airpark Lane, #3000, Midland, TX 79705

Submittal Information: Application for a water injection well will be filed with the NMOCD. If you have an objection, or wish to request a hearing, then it must be filed with the NMOCD within 15 days of receipt of this letter. The New Mexico Oil Conservation Division address is 1220 South St. Francis Dr. Santa Fe, NM 87505. Their phone number is (505) 476-3440.

Please call me if you have any questions.

Sincerely,

Brian Wood

7017 1000 0001 0526 1272

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Certified Mail Fee	$ 3.35
Extra Services & Fees (check box, add fee as appropriate)	
☑ Return Receipt (hardcopy)	$ 2.75
☐ Return Receipt (electronic)	$
☐ Certified Mail Restricted Delivery	$
☐ Adult Signature Required	$
☐ Adult Signature Restricted Delivery	$
Postage	$ 1.82
Total Postage and Fees	$ 7.92

Postmark Here
JAN 16 2018
USPS QUICK SEND - CRD

Sent To: James Allen Bryant
Street and Apt. No., or PO Box No.: 8204 Indigo Court
City, State, ZIP+4®: Albuquerque NM 87122
Apache E. Blinebry 24

EXHIBIT K

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only
For delivery information, visit our website at www.usps.com®.
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Certified Mail Fee $ 3.35
Extra Services & Fees (check box, add fee as appropriate)
☑ Return Receipt (hardcopy) $ 2.75
☐ Return Receipt (electronic) $
☐ Certified Mail Restricted Delivery $
☐ Adult Signature Required $
☐ Adult Signature Restricted Delivery $
Postage $ 1.82
Total Postage and Fees $ 7.92
Sent To BP America Production
P.O. Box 3092
Houston TX 77253
Apache E. Blinebry 24
Street and Apt. No., or PO Box No.
City, State, ZIP+4®
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions
Postmark Here JAN 9 2018
USPS QUICK SEND - CPD
7017 1000 0001 0526 1258

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Certified Mail Fee $ 3.35
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☑ Return Receipt (hardcopy) $ 2.75
☐ Return Receipt (electronic) $
☐ Certified Mail Restricted Delivery $
☐ Adult Signature Required $
☐ Adult Signature Restricted Delivery $
Postage $ 1.82
Total Postage and Fees $ 7.92
Sent To BLM
620 E. Greene
Carlsbad NM 88220
Apache E. Blinebry 24
Street and Apt. No., or PO Box No.
City, State, ZIP+4®
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions
Postmark Here JAN 9 2018
USPS QUICK SEND - CPD
7017 1000 0001 0526 1241

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Certified Mail Fee $ 3.35
Extra Services & Fees (check box, add fee as appropriate)
☑ Return Receipt (hardcopy) $ 2.75
☐ Return Receipt (electronic) $
☐ Certified Mail Restricted Delivery $
☐ Adult Signature Required $
☐ Adult Signature Restricted Delivery $
Postage $ 1.82
Total Postage and Fees $ 7.92
Sent To Chevron USA
6301 Deauville
Midland TX 79706
Apache E. Blinebry 24
Street and Apt. No., or PO Box No.
City, State, ZIP+4®
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions
Postmark Here JAN 9 2018
USPS QUICK SEND - CPD
7017 1000 0001 0526 1265

EXHIBIT K

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

BLM
620 E. Greene
Carlsbad NM 88220

Apache E Blinebry 24

9590 9402 2894 7094 3440 75

2. Article Number *(Transfer from service label)*
7017 1000 0001 0526 1241

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* C. Date of Delive
Jessica Ivie 1/19/18

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☐ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restric Delivery
☐ Return Receipt for Me chandise
☐ Si nature Confirmation
☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receip

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

BP America Production
P.O. Box 3092
Houston TX 77253

Apache E Blinebry 24

9590 9402 2894 7094 3440 44

2. Article Number *(Transfer from service label)*
7017 1000 0001 0526 1258

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* C. Date of Delivery
1-23-18

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☐ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricte Delivery
☐ Return Receipt for Merchandise
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2015 PSN 7530-02-00[illegible]9053 Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Chevron USA
6301 Deauville
Midland TX 79706

Apache E Blinebry 24

9590 9402 2894 7094 3440 51

2. Article Number *(Transfer from service label)*
7017 1000 0001 0526 1265

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X ☐ Agent ☐ Address

B. Received by *(Printed Name)* C. Date of Delive
1-19-18

D. Is deliver address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restri Delivery
☐ Return Receipt for Merchandise
☐ Signature Confirmatio
☐ Signature Confirmatio Restricted Delivery

PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Recei

FORM C-108 Technical Review Summary [Prepared by reviewer and included with application; V16.2]

DATE RECORD: First Rec: 3/08/2018 **Admin Complete:** 3/08/2018 **or Suspended:** _____ Add. Request/Reply: _____

ORDER TYPE: WFX / PMX / SWD Number: _____ Order Date: _____ Legacy Permits/Orders: R-12354 IPI-292

Well No. 24 Well Name(s): EBDU

API : 30-0 25-06530 Spud Date: 1-22-1960 New or Old (EPA): _____ (*UIC Class II Primacy 03/07/1982*)

Footages 2310FSL & 660FEL Lot____ or Unit J Sec 11 Tsp 21S Rge 37E County Lea

General Location: 2miles s/Eunice Pool: _____ Pool No.: _____

BLM 100K Map: JAL Operator: Apache corp OGRID: 873 Contact: Brian Woody, Agent

COMPLIANCE RULE 5.9: Total Wells: 2040 Inactive: 3 **Fincl Assur:** OK Compl. Order? N/A **IS 5.9 OK?** Y **Date:** 3-27-2018

WELL FILE REVIEWED ◯ Current Status: Active

WELL DIAGRAMS: NEW: Proposed ◯ or **RE-ENTER:** Before Conv. ✓ After Conv. ✓ Logs in Imaging: _____

Planned Rehab Work to Well: _____

Well Construction Details	Sizes (in) Borehole / Pipe	Setting Depths (ft)	Stage Tool	Cement Sx or Cf	Cement Top and Determination Method
Planned __or Existing __ **Surface**	17½"/13⅜	307		260	Surface/Visual
Planned__or Existing __ **Interm/Prod**	12¼"/8⅝	2995		1150	2000'/CALC
Planned__or Existing __ **Interm/Prod**	8¾"/7"	6760		500	3000/CALC
Planned__or Existing __ **Prod/Liner**					
Planned__or Existing __ **Liner**					
Planned__or Existing __ **OH / PERF**	5611/6046		Inj Length 435'		

Injection Lithostratigraphic Units:	Depths (ft)	Injection or Confining Units	Tops
Adjacent Unit: Litho. Struc. Por.		Blinebry	5611
Confining Unit: Litho. Struc. Por.		Tubb	6147
Proposed Inj Interval TOP:			
Proposed Inj Interval BOTTOM:			
Confining Unit: Litho. Struc. Por.			
Adjacent Unit: Litho. Struc. Por.			

Completion/Operation Details:

Drilled TD 6760 PBTD _____

NEW TD _____ NEW PBTD _____

NEW Open Hole ◯ or NEW Perfs ◯ /

Tubing Size 2⅜ in. Inter Coated? Y

Proposed Packer Depth 5561 ft

Min. Packer Depth 5511 (100-ft limit)

Proposed Max. Surface Press. 2000 psi

Admin. Inj. Press. 2000 (0.2 psi per ft)

AOR: Hydrologic and Geologic Information

POTASH: R-111-P N/A Noticed?____ **BLM Sec Ord** ◯ **WIPP** ◯ *Noticed?*____ **Salt/Salado** T: 1433 B: 2465 **NW: Cliff House fm**____

FRESH WATER: Aquifer Quaternary Max Depth 60' **HYDRO AFFIRM STATEMENT By Qualified Person** ✓

NMOSE Basin: Capitan **CAPITAN REEF:** thru N/A adj ___ NA ___ **No. GW Wells in 1-Mile Radius?** 1 FW Analysis? Y (4000' Away)

Disposal Fluid: Formation Source(s) Produced Analysis? Y On Lease ✓ Operator Only ◯ or Commercial ◯

Disposal Interval: Inject Rate (Avg/Max BWPD): 400/500 Protectable Waters? N/A Source:_____ System: Closed or Open

HC Potential: Producing Interval? Y Formerly Producing?_____ Method: Logs/DST/P&A/Other_____ 2-Mi Radius Pool Map ◯

AOR Wells: 1/2-M Radius Map and Well List? Y **No. Penetrating Wells:** 32 [AOR Horizontals: _____ AOR SWDs:_____]

Penetrating Wells: No. Active Wells 31 Num Repairs?____ on which well(s)?_____ Diagrams?_____

Penetrating Wells: No. P&A Wells 1 Num Repairs?____ on which well(s)? _____ Diagrams? Y

NOTICE: Newspaper Date 1-07-2018 Mineral Owner BLM Surface Owner J.A. Bryant N. Date 1-16-2018

RULE 26.7(A): Identified Tracts? _____ Affected Persons: BP, Chevron N. Date 1-23-2018

Order Conditions: **Issues:** _____

Additonal COAs: _____