

ABOVE THIS LINE FOR DIVISION USE ONLY

RECEIVED OGD NEW MEXICO OIL CONSERVATION DIVISION  
 - Engineering Bureau -  
 1220 South St. Francis Drive, Santa Fe, NM 87505



30-025-46479  
 Lockhart B12 #13  
 Apache Corp.

## ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

### Application Acronyms:

**[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]**  
**[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]**  
**[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]**  
**[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]**  
**[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]**  
**[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]**

- [1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]
- ( [A] Location - Spacing Unit - Simultaneous Dedication  
 NSL  NSP  SD
- Check One Only for [B] or [C]
- [B] Commingling - Storage - Measurement  
 DHC  CTB  PLC  PC  OLS  OLM
- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery  
 WFX  PMX  SWD  IPI  EOR  PPR
- [D] Other: Specify \_\_\_\_\_
- [2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or Does Not Apply
- [A]  Working, Royalty or Overriding Royalty Interest Owners
- [B]  Offset Operators, Leaseholders or Surface Owner
- [C]  Application is One Which Requires Published Legal Notice
- [D]  Notification and/or Concurrent Approval by BLM or SLO  
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E]  For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F]  Waivers are Attached
- [3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

REESA HOLLAND FISHER  
 Print or Type Name

*Reesa Holland Fisher*  
 Signature

SR STAFF REG TECH  
 Title

4/16/2013  
 Date

LOCKHART B-12 #013

Reesa.Holland@apachecorp.com  
 e-mail Address

District I  
1625 N. French Drive, Hobbs, NM 88240

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-107A  
Revised June 10, 2003

District II  
1301 W. Grand Avenue, Artesia, NM 87010

RECEIVED OGD

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

APPLICATION TYPE  
 Single Well  
 Establish Pre-Approved Pools  
EXISTING WELLBORE  
 Yes  No

District III  
1000 Rio Brazos Road, Aztec, NM 87410

2013 APR 22 P 2:29

District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

APPLICATION FOR DOWNHOLE COMMINGLING

Apache Corporation 303 Veterans Airpark Lane Suite 3000 Midland TX 79705  
Operator Address  
Lease Lockhart B 12 013 H 12 21S 37E Lea  
Well No. Unit Letter-Section-Township-Range County  
OGRID No. 873 Property Code 24428 API No. 30-025-40479 Lease Type:  Federal  State  Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Blinebry	Tubb	Drinkard
Pool Code	6660	60240	19190
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	5983' - 6387'	6518' - 6726'	6862' - 6964'
Method of Production (Flowing or Artificial Lift)	Artificial Lift	Artificial Lift	Artificial Lift
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)			
Oil Gravity or Gas BTU (Degree API or Gas BTU)	40.7	40.4	41.2
Producing, Shut-In or New Zone	New Zone	New Zone	New Zone
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)	Date: See Attached Rates:	Date: See Attached Rates:	Date: See Attached Rates:
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil 42 % Gas 40 %	Oil 8 % Gas 31 %	Oil 33 % Gas 23 %

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes  No   
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yes  No   
Are all produced fluids from all commingled zones compatible with each other? Yes  No   
Will commingling decrease the value of production? Yes  No   
If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application? Yes  No

NMOC Reference Case No. applicable to this well: \_\_\_\_\_

Attachments:

- C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- Production curve for each zone for at least one year. (If not available, attach explanation.)
- For zones with no production history, estimated production rates and supporting data.
- Data to support allocation method or formula.
- Notification list of working, royalty and overriding royalty interests for uncommon interest cases.
- Any additional statements, data or documents required to support commingling.

PRE-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information will be required:

- List of other orders approving downhole commingling within the proposed Pre-Approved Pools
- List of all operators within the proposed Pre-Approved Pools
- Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.
- Bottomhole pressure data.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Reesa Holland Fisher TITLE Sr. Staff Regulatory Tech DATE 4/16/2013

TYPE OR PRINT NAME Reesa Holland Fisher TELEPHONE NO. ( 432 ) 818-1062

E-MAIL ADDRESS Reesa.Holland@apachecorp.com

District I  
1625 N. French Drive, 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 Department

Form C-107A  
Revised June 10, 2003

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

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 Establish Pre-Approved Pools  
EXISTING WELLBORE  
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APPLICATION FOR DOWNHOLE COMMINGLING

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Operator Address  
Lease Lockhart B 12 013 H 12 21S 37E Lea  
Well No. Unit Letter-Section-Township-Range County  
OGRID No. 873 Property Code 24428 API No. 30-025-40479 Lease Type:  Federal  State  Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Wentz Abo <i>Wentz</i>		
Pool Code	62700		
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	7126'-7399'		
Method of Production (Flowing or Artificial Lift)	Artificial Lift		
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)			
Oil Gravity or Gas BTU (Degree API or Gas BTU)	41.5		
Producing, Shut-In or New Zone	Producing		
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)	Date: 11/16/2012 Rates: 115 BO /116 MCF /9 BW	Date: Rates:	Date: Rates:
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil 17 % Gas 6 %	Oil % Gas %	Oil % Gas %

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes  No   
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yes  No   
Are all produced fluids from all commingled zones compatible with each other? Yes  No   
Will commingling decrease the value of production? Yes  No   
If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application? Yes  No

NMOC Reference Case No. applicable to this well: \_\_\_\_\_

Attachments:

- C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- Production curve for each zone for at least one year. (If not available, attach explanation.)
- For zones with no production history, estimated production rates and supporting data.
- Data to support allocation method or formula.
- Notification list of working, royalty and overriding royalty interests for uncommon interest cases.
- Any additional statements, data or documents required to support commingling.

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If application is to establish Pre-Approved Pools, the following additional information will be required:

- List of other orders approving downhole commingling within the proposed Pre-Approved Pools
- List of all operators within the proposed Pre-Approved Pools
- Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.
- Bottomhole pressure data.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Reesa Holland Fisher TITLE Sr. Staff Regulatory Tech DATE 4/16/2013  
TYPE OR PRINT NAME Reesa Holland Fisher TELEPHONE NO. ( 432 ) 818-1062  
E-MAIL ADDRESS Reesa.Holland@apachecorp.com

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Operator Copy

FORM APPROVED  
OMB No. 1004-0137  
Expires: October 31, 2014

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

5. Lease Serial No.  
NMLC-032096B

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE** – Other instructions on page 2.

7. If Unit of CA/Agreement, Name and/or No.

1. Type of Well

Oil Well     Gas Well     Other

8. Well Name and No.  
Lockhart B 12 #013 (24428)

2. Name of Operator  
Apache Corporation (873)

9. API Well No.  
30-025-40479

3a. Address  
303 Veterans Airpark Lane, Suite 3000  
Midland, TX 79705

3b. Phone No. (include area code)  
432/818-1062

10. Field and Pool or Exploratory Area  
Bli O&G(O)/Tubb O&G(O)/Drinkard/Wantz; Abo

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1980' FNL & 660' FEL UL H Sec 12 T21S R37E

11. County or Parish, State  
Lea County, NM

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>DHC</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Apache requests permission to complete and DHC the Blinebry-Tubb, per the following:

Pool Names: Blinebry Oil & Gas	6660	Perforations: Blinebry	5983'-6387'
Tubb Oil & Gas	60240	Tubb	6518'-6726'
Drinkard	19190	Drinkard	6862'-6964'
Wantz; Abo	62700	Abo	7126'-7399'

The allocation method will be as follows based on offset production (See attached application for exception to Rule 303-C).

	OIL	GAS	Water
Blinebry	42%	40%	24%
Tubb	8%	31%	15%
Drinkard	33%	23%	32%
Abo	17%	6%	29%

**SUBJECT TO LIKE  
APPROVAL BY STATE**

Downhole commingling will not reduce the value of these pools. Ownership is the same for each of these pools.

*need to submit a completion report for commingling*

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Reesa Holland

Title Sr. Staff Reg Tech

Signature

*Reesa Holland*

Date 10/23/2012

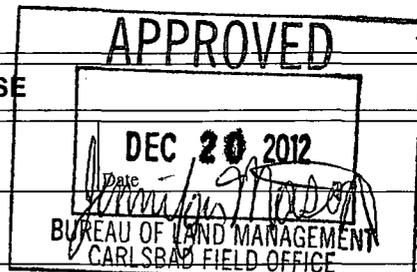
**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Office

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.



Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)



October 23, 2012

Mr. Wesley Ingram  
Bureau of Land Mgmt - CFO  
620 E Greene St  
Carlsbad, NM 88220

**RE: Downhole Commingling Application**  
**Lockhart B-12 #13 API 30-025-40479**  
**Unit H, Section 12, T21S, R37E**  
**Blinebry Oil & Gas (Oil) 6660, Tubb Oil & Gas (Oil) 60240, Drinkard 19190 &**  
**Wantz; Abo (62700)**  
**Lea County, New Mexico**

Dear Mr. Ingram,

Enclosed please find form 3160-5 and attachments for downhole commingling the captioned well. The ownerships (WI, NRI and ORRI) of these pools are identical in this wellbore. The fluids from each of these pools are compatible as seen in other similar commingles in the area. Combining these fluids will not result in any damage to these pools. Commingling will improve the efficiency of present and future recovery operations. Cross flow will not be a problem due to having a production lift system capable of keeping the well pumped off thereby maximizing production. This commingling will not reduce the value of the total remaining production.

The allocation method used for this well was determined by analyzing the cumulative oil, gas and water production in a nine section area of review surrounding this well. Supporting documentation is shown on the attached spreadsheet. Production for active and inactive wells was grouped by pool in the area of review. The totals for each phase were then divided by the number of wells associated with this pool yielding an average. This average was used to determine the percentage allocation.

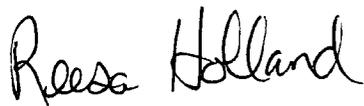
The main reason for using this method is based on economics and minimizing reservoir damage. Past completion practices had all three zones perforated and fracture stimulated during one full week. Each zone was isolated by a retrievable bridge plug to allow for production testing of each zone for allocation purposes. This testing period lasted as long as one month before a stabilized rate was observed thus allowing the next zone to be brought on and tested. During this time period the completion fluids used were still confined to the other reservoirs causing gel damage. It is a common practice to get these fluids out of the wellbore as soon as possible to help maximize productivity. On a cost basis it is more expensive to have a completion rig move in and out multiple times to bring on

each new zone. Several other factors such as weather, other new completions and regulatory well work may interfere with these new wells.

The area of review used encompasses what has been accepted as a good statistical representation for allocation purposes. By using this allocation method all zones will be brought online in a more effective and efficient manner. This will in turn generate a higher productive rate and quicker revenue streams not only for the operator but for the State of New Mexico too.

If you need additional information or have any questions, please give me a call at (432) 818-1062.

Sincerely,

A handwritten signature in cursive script that reads "Reesa Holland".

**Reesa Holland**  
**Sr. Staff Regulatory Technician**

Lease Name	Well Number	10DIGITAPI	Location	Cum. Oil (BBL)			Cum. Gas (MCF)			Cum. Water (BBL)		
				Blineby	Tubb	Drinkard	Blineby	Tubb	Drinkard	Blineby	Tubb	Drinkard
DRINKARD UNIT	3	3002506325	21S 37E 1	124662			452474			10849		
DRINKARD UNIT	5	3002506326	21S 37E 1F	78584			232414			11337		
DRINKARD UNIT	4	3002506327	21S 37E 1O	94156			267470			7800		
DRINKARD UNIT	1	3002506328	21S 37E 1 SW NW SW	86779		2531	250039		17377	14040		7599
DRINKARD UNIT	2	3002506330	21S 37E 1	82933			254410			9472		
HUMBLE FEDERAL	1	3002506331	21S 37E 1	29082			102148			28844		
DRINKARD UNIT	7	3002506332	21S 37E 1L	151388		64191	249074		151328	13905		20788
ELLIOTT FEDERAL	2	3002506333	21S 37E 1	140157		498	355855		1581	10290		918
DRINKARD UNIT	5	3002506334	21S 37E 1M	195217		15082	884976		184492	4384		5420
DRINKARD UNIT	8	3002506335	21S 37E 1N	154699			848926			17988		
DRINKARD UNIT	10	3002506336	21S 37E 1J	140078			519199			17369		
DRINKARD UNIT	11	3002506337	21S 37E 1	29035			98410			21031		
DAURON	1	3002506338	21S 37E 1E	61763		109940	338152		263533			37268
OWEN	1	3002506339	21S 37E 14E		49654	231099		3652319	986795			6
STATE	3	3002506341	21S 37E 2M	153077			1728531			25681		
STATE	4	3002506342	21S 37E 2 SE SW NW			8407			91230			1230
STATE	5	3002506343	21S 37E 2F	124952			232971			540		
STATE	6	3002506344	21S 37E 2D			16545			201674			44539
STATE	7	3002506345	21S 37E 2C			31015			360950			20834
HARRY LEONARD NCT F	4	3002506348	21S 37E 2			90104	268		769210			26718
HARRY LEONARD NCT F	5	3002506349	21S 37E 2			32804	34729		135968	130505		62908
HARRY LEONARD NCT F	6	3002506350	21S 37E 2O	113441			599006			1543		
HARRY LEONARD NCT F	7	3002506351	21S 37E 2J	9165	19254	21027	18977	38078	128345	4607	9045	7553
HARRY LEONARD NCT F	9	3002506353	21S 37E 2	171212			22440	916350		68810	2830	2986
HARRY LEONARD NCT F	11	3002506355	21S 37E 2	124091			12463	417857		8641	2613	3715
HARRY LEONARD NCT F	16	3002506360	21S 37E 2H	92812			258853			3143		
HARRY LEONARD NCT F	1	3002506361	21S 37E 2		16888	12525	2050	52563	42691	5491	7344	4809
HARRY LEONARD NCT F	17	3002506364	21S 37E 2A	50381			2896	133419		13836	1287	7307
STATE SEC 2	8	3002506368	21S 37E 2L	144267			1910607			2800		
STATE SEC 2	3	3002506369	21S 37E 2			36875	25103		129566	105561		6826
STATE SEC 2	4	3002506370	21S 37E 2			134142			350084			2374
STATE SEC 2	6	3002506372	21S 37E 2				3630			14013		2343
STATE SEC 2	7	3002506373	21S 37E 2	16391		33596	19673	526606	501526	156647	1971	2098
STATE SEC 2	10	3002506376	21S 37E 2				43338			103581		527
STATE SEC 2	11	3002506377	21S 37E 2L			6630	6677	243156		43391	120	3218
STATE	13	3002506379	21S 37E 2N				82240					
STATE SECTION 2	14	3002506380	21S 37E 2				500			12112		1361
DRINKARD UNIT	13	3002506476	21S 37E 11C	100365		23497	54316	695307	309881	283100	13276	6706
DRINKARD UNIT	12	3002506477	21S 37E 11D	107103		99517		622024	361191		37125	21499
DRINKARD UNIT	17	3002506478	21S 37E 11O	209824		56911		2366090	750134		9031	11744
DRINKARD UNIT	18	3002506479	21S 37E 11A	163011				604541			6253	
DRINKARD UNIT	19	3002506480	21S 37E 11H	252880		49090		1770169	396984		41709	27595
DRINKARD UNIT	20	3002506481	21S 37E 11I	174441		47908		1562950	433391		12145	9371
DRINKARD UNIT	14	3002506482	21S 37E 11B			116816	27012		1009396			41925
UNIT	15	3002506483	21S 37E 2K				17645			28710		83
STATE SEC 2	16	3002506484	21S 37E 2K	31273			494290			1501		
STATE SEC 2	13	3002506486	21S 37E 2N			53901			353259			12114
DRINKARD UNIT	21	3002506523	21S 37E 11B	182507			2813057			11398		
LOCKHART B 11	1	3002506524	21S 37E 11D N2 NW NW				70064			1002795		23026
LOCKHART B 11	3	3002506525	21S 37E 11E W2 SW NW	127730			38197	2073161		692054	10898	7273
DRINKARD UNIT	16	3002506526	21S 37E 11A	50913				398626				17528
DRINKARD UNIT	15	3002506527	21S 37E 11A			78506		709424				28307
DRINKARD UNIT	22	3002506528	21S 37E 11P	124277				2001889			5804	
DRINKARD UNIT	23	3002506529	21S 37E 11G					1970421			6802	
DRINKARD UNIT	24	3002506530	21S 37E 11J	208468		105625		1341043	1155406		14406	16839
DRINKARD UNIT	25	3002506531	21S 37E 11F	196012		60624	63627	2272861	379922	706217	35014	20374
J H NOLAN	1	3002506532	21S 37E 11M			125741			1059066			10939
J H NOLAN	2	3002506533	21S 37E 11N SE SW		35871	56370			616486			6141
J H NOLAN	3	3002506534	21S 37E 11K			65773	1657		372183			11913
DRINKARD UNIT	27	3002506535	21S 37E 11E			254876			1664091			8531
DRINKARD UNIT	26	3002506536	21S 37E 11G		1689	190265	45980		1306823	482241		68285
GUTMAN	1	3002506537	21S 37E 11L					87692	620318		30	6902
DRINKARD UNIT	28	3002506538	21S 37E 12D	57579		2000		388643			7812	
DRINKARD UNIT	30	3002506539	21S 37E 12E	19149		53646		151770	148258		3515	12771
DRINKARD UNIT	31	3002506541	21S 37E 12C	149383				656081			7613	
DRINKARD UNIT	32	3002506542	21S 37E 12D	125199				260813			3116	
DRINKARD UNIT	33	3002506543	21S 37E 12F	139466				550995			3109	
DRINKARD UNIT	34	3002506544	21S 37E 12G	59337				231505			11251	
DRINKARD UNIT	35	3002506545	21S 37E 12B	84354				413958			14577	
DRINKARD UNIT	36	3002506546	21S 37E 12E	76046				267087			5357	
LOCKHART B 12	2	3002506547	21S 37E 12D				216					523
DRINKARD UNIT	3	3002506548	21S 37E 12C			53526	127012		258309	577418		19101
CHESHER	1	3002506549	21S 37E 12K NE SW	78280			43408	227036		53495	820	15179
DRINKARD UNIT	48	3002506550	21S 37E 12M	132856				848747			15307	
DRINKARD UNIT	47	3002506551	21S 37E 12J	98064				303686			14960	
DRINKARD UNIT	46	3002506552	21S 37E 12L	166214				949138			21967	
FIELDS	1	3002506553	21S 37E 12O	47463				101724			12286	
PLUMLEE	1	3002506554	21S 37E 12N	66745				175622	40362	106456	514	6260
LOCKHART B 13 A	1	3002506555	21S 37E 13M	85536		17663	62327	2092334		92199	6261	20106
DRINKARD UNIT	37	3002506556	21S 37E 13E	103580			6442	3025657			14152	11126
DRINKARD UNIT	38	3002506557	21S 37E 13F	135002				1048206			12352	
LOCKHART B 13 A	4	3002506558	21S 37E 13K	88372				513291			4853	
LOCKHART B 13 A	5	3002506559	21S 37E 13N	115906				674137			15604	
DRINKARD UNIT	39	3002506560	21S 37E 13G	44891				149588			16750	
DRINKARD UNIT	40	3002506561	21S 37E 13J	41306				124484			16797	
DRINKARD UNIT	8	3002506562	21S 37E 13L	79385				3183803			11897	
GULF BUNIN	1	3002506563	21S 37E 13D				74016			204485		6529
BUNIN ESTATE	1	3002506564	21S 37E 13A				2499					
BUNIN	3Y	3002506565	21S 37E 13A				2938			2994		7133
DRINKARD UNIT	53	3002506566	21S 37E 13C	164462				1045288			2798	
DRINKARD UNIT	54	3002506567	21S 37E 13B	112252				475667			590	
DRINKARD UNIT	55	3002506568	21S 37E 13D	180756				1104870			4132	
EUBANKS	2	3002506569	21S 37E 14L	98122	70433	146499		1104985	4578566	413306	4534	306
EUBANKS	1	3002506570	21S 37E 14M	256655		129709		6448439		997663	8811	1905
EUBANKS	3	3002506571	21S 37E 14K	148185		371049	15027	3852540		1399327	5002	2968
EUBANKS	4	3002506572	21S 37E 14N	221423		100620		2062445		902398	4212	4114
DRINKARD UNIT	43	3002506573	21S 37E 14H	61371		123728		5449570		439267	9314	10018
DRINKARD UNIT	44	3002506574	21S 37E 14P C SE SE	69476	17491		18524	1762380	1310182		6771	
DRINKARD UNIT	45	3002506575	21S 37E 14A	160714				1610515			11568	
LOCKHART B-14 A	4	3002506576	21S 37E 14I	93005				1235361			6040	
NAOMI KEENUM	1	3002506577	21S 37E 14J	261118		173784		1728173		921669	25244	25009
NAOMI KEENUM	2	3002506578	21S 37E 14O	131160	125363	30375		603394	4342473		13942	27323
OWEN	2	3002506579	21S 37E 14D			233970			963617			44

Lease Name	Well Number	10DIGIT API	Location	Cum Oil (BBL)			Cum Gas (MCF)			Cum Water (BBL)				
				Blinebry	Tubb	Drinkard	Abo	Blinebry	Tubb	Drinkard	Abo	Blinebry	Tubb	Drinkard
ANDREWS	1	3002506580	21S 37E 14F				153918			1003910				1744
ANDREWS	2	3002506581	21S 37E 14C NE NW				21976	38332		93283				478
DRINKARD UNIT	49	3002506582	21S 37E 14G C SW NE		5637		12941		172709		127956		237	10618
DRINKARD UNIT	50	3002506583	21S 37E 14B	277261			109488	2898234		938318		14250		7773
DRINKARD UNIT	51	3002506584	21S 37E 14G	179650			203804	3523677		1100834		14383		5219
BUNIN	2	3002507903	21S 38E 18E				38683			67901				22001
GUTMAN	2	3002520218	21S 37E 11L			49031	4214			2326778				30578
BUNIN	1	3002522796	21S 38E 18D				11668			19156				13591
ELLIOTT FIELDS	1	3002522827	21S 38E 6M	6474		25766	64910	32086		55595	92532	10029		98320
BUNIN	5	3002522949	21S 38E 18F				70572			106600				27262
ELLIOTT FIELDS	3	3002522986	21S 38E 6N				40798			92639				51865
MARK W OWENS	1	3002523016	21S 38E 18N				13622			29002				12864
TERRY FEDERAL	1	3002523295	21S 38E 18G				1835			660				2209
ANNA FEDERAL	1	3002523355	21S 37E 1	1437			86781	1149		147326		52		14838
NAOMI KEENUM	3	3002524854	21S 37E 14O			107638				1141069				22704
FEDERAL 7	1	3002527058	21S 38E 7D	20802			4315	22273		6938		59040		18548
DRINKARD UNIT	42	3002528011	21S 37E 13N		9417	12881	33942		77120	16774	72653		11257	11000
DRINKARD UNIT	57	3002529061	21S 37E 1K SW NE SW				33923			17760				24461
WANTZ FEDERAL	1	3002529372	21S 37E 1J				106100			158616				11752
WANTZ FEDERAL	2	3002529597	21S 37E 1				114094			252544				9974
WANTZ FEDERAL	3	3002529688	21S 37E 1				1505			6261				23848
WANTZ FEDERAL	5	3002529715	21S 37E 1				148353			232111				6297
WANTZ FEDERAL	4	3002529728	21S 37E 1I NE SE				100701			141000				17636
DAURON	2	3002529792	21S 37E 1	1600	6394	88214		2932	11657	108409		3120	12478	12711
MCNEIL	1	3002529924	21S 38E 6M				1532			582				16955
DAURON	3	3002530005	21S 37E 1	639	227	553	104414	1239	441	1074	130101	2774	987	560
MCNEIL A	1	3002530194	21S 38E 6D				64748			59205				20892
DAURON	4	3002530320	21S 37E 1	1138	1940	7181	21009	5442	8794	10125	25698	3906	6908	22233
COOGAN FEDERAL	1	3002530338	21S 37E 1				53344			71258				25326
COOGAN FEDERAL	2	3002530489	21S 37E 1 NE SE SW	10402		26666		52354		27395		10953		12236
ELLIOTT FIELDS	2	3002530585	21S 38E 6L NW SW				24161			34059				5683
COOGAN FEDERAL	3	3002530640	21S 37E 1				101609			139349				30566
DAURON	5	3002530835	21S 37E 1	7367	2336	8265	91053	11264	3681	12616	108045	10404	3299	21175
DRINKARD UNIT	9	3002534937	21S 37E 1N NE SE SW	6380			38703			6292				13469
DRINKARD UNIT	52	3002538810	21S 37E 14B NW NW NE	9082	3293			98785	95086			2894	7724	
BUNIN	7	3002539284	21S 38E 18D	2942	655		1853	5419	1038		968	5573	6767	7563
BUNIN	6	3002539547	21S 37E 13A NE NE	17783			3360	42380		4885	55378			5642
M W COLL	1	3002539823	21S 37E 12P SE SE	5688	1507	4411		7351	9450	4198	33394	21246	46544	
M W COLL	2	3002540013	21S 37E 12I	12928	3438			13391	17042					
BUNIN	9	3002540144	21S 37E 13A	3177	744			2974	3489			16690	11126	
ELLIOTT 7 FEDERAL	3	3002540317	21S 38E 7M	201	7		144	409	16		100	1187	668	1855
TOTALS				9,024,241	374,274	4,446,853	2,530,943	84,162,915	14,696,827	28,621,995	7,568,978	1,006,241	117,507	840,478
AVERAGES				101,396	17,823	78,015	39,546	845,651	734,841	530,037	140,166	11,566	6,912	15,584

Proposed Allocations	Oil	Gas	Water
Blinebry	42%	40%	24%
Tubb	8%	31%	15%
Drinkard	33%	23%	32%
Abo	17%	6%	29%
TOTAL	100%	100%	100%

HOBBS OCD

DISTRICT I  
1625 N. French Dr., Hobbs, NM 88240  
DISTRICT II  
1301 W. Grand Avenue, Artesia, NM 88210

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1000 Rio Brazos Rd., Aztec, NM 87005

DISTRICT IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

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Santa Fe, New Mexico 87505

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WELL LOCATION AND ACREAGE DEDICATION PLAT

AMENDED REPORT

API Number <b>30-025-4047</b>	Pool Code <b>6660</b>	Pool Name <b>Blinbry O &amp; G (o)</b>
Property Code <b>24434 24426</b>	Property Name <b>LOCKHART B-12</b>	Well Number <b>13</b>
OGRID No. <b>873</b>	Operator Name <b>APACHE CORPORATION</b>	Elevation <b>3512'</b>

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	12	21 S	37 E		1980	NORTH	660	EAST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres <b>40</b>	Joint or Infill	Consolidation Code	Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<p><b>SURFACE LOCATION</b>          Lot - N 32°29'43.10"          Long - W 103°06'36.89"          NMSPCE- N 546085.78          E 918439.50          (NAD-83)</p> <p>Lot - N 32°29'42.68"          Long - W 103°06'35.20"          NMSPCE- N 546026.651          E 877255.563          (NAD-27)</p> <p><b>32.495189</b> <b>103.109778</b></p>		<p><b>OPERATOR CERTIFICATION</b>          I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>Sorina L Flores</i> 10/19/11          Signature Date</p> <p><b>Sorina L. Flores</b>          Printed Name</p> <p><b>sorina.flores@apachecorp.com</b>          Email Address</p>
		<p><b>SURVEYOR CERTIFICATION</b>          I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief</p> <p>Date Surveyed _____          Signature &amp; Seal of Professional Surveyor _____</p> <p><b>GARY L. JONES</b>          PROFESSIONAL SURVEYOR          STATE OF NEW MEXICO          1977</p> <p>Certificate No. Gary L. Jones 7977</p> <p>BASIN SURVEYS 24879</p>

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DISTRICT IV  
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WELL LOCATION AND ACREAGE DEDICATION PLAT

AMENDED REPORT

API Number <b>30-025-4049</b>	Pool Code <b>60240</b>	Pool Name <b>Tubh O+G (O)</b>
Property Code <b>24434 24428</b>	Property Name <b>LOCKHART B-12</b>	Well Number <b>13</b>
OGRID No. <b>873</b>	Operator Name <b>APACHE CORPORATION</b>	Elevation <b>3512'</b>

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	12	21 S	37 E		1980	NORTH	660	EAST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres <b>40</b>	Joint or Infill	Consolidation Code	Order No.
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<p><b>SURFACE LOCATION</b>                  Lat - N 32°29'43.10"                  Long - W 103°06'36.89"                  NMSPCE - N 546085.78                  E 918439.50                  (NAD-83)</p> <p>Lat - N 32°29'42.68"                  Long - W 103°06'35.20"                  NMSPCE - N 546026.651                  E 877255.563                  (NAD-27)</p> <p><b>32.495189</b> <b>103.109778</b></p>		<p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>Sorina L. Flores</i> 10/19/11                  Signature Date</p> <p>Sorina L. Flores                  Printed Name</p> <p>sorina.flores@apachecorp.com                  Email Address</p>
		<p><b>SURVEYOR CERTIFICATION</b></p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief.</p> <p>Date Surveyed _____                  Signature &amp; Seal of Professional Surveyor _____</p> <p></p> <p>Certificate No. Gary L. Jones 7977</p> <p>BASIN SURVEYS 24879</p>

HOBBS OK

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CONSERVATION DIVISION  
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WELL LOCATION AND ACREAGE DEDICATION PLAT

AMENDED REPORT

API Number <b>30-025-40479</b>	Pool Code <b>19190</b>	Pool Name <b>Drinkard</b>
Property Code <b>24431 24428</b>	Property Name <b>LOCKHART B-12</b>	Well Number <b>13</b>
OGRID No. <b>873</b>	Operator Name <b>APACHE CORPORATION</b>	Elevation <b>3512'</b>

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	12	21 S	37 E		1980	NORTH	660	EAST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres <b>40</b>	Joint or Infill	Consolidation Code	Order No.
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OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<p><b>32.495189</b> <b>103.109778</b></p>	<p><b>SURFACE LOCATION</b> Lat - N 32°29'43.10" Long - W 103°06'36.89" NMSPC- N 546085.78 E 918439.50 (NAD-83)</p> <p>Lat - N 32°29'42.68" Long - W 103°06'35.20" NMSPC- N 546026.651 E 877255.663 (NAD-27)</p>		<p><b>OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><b>Sorina L. Flores 10/19/11</b> Signature Date</p> <p><b>Sorina L. Flores</b> Printed Name</p> <p><b>Sorina.Flores@apachecorp.com</b> Email Address</p>
	<p><b>SURVEYOR CERTIFICATION</b> I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief</p> <p>Date Surveyed _____ Signature &amp; Seal of Professional Surveyor _____</p> <p><b>GARY L. JONES</b> Professional Surveyor 7977</p> <p>Certificate No. Gary L. Jones 7977</p> <p>BASIN SURVEYS 24879</p>		

HOBBS OC.

DISTRICT I  
1625 N. French Dr., Hobbs, NM 88240

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Santa Fe, New Mexico 87505

DISTRICT IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

AMENDED REPORT

API Number <b>30-025-40479</b>	Pool Code <b>62700</b>	Pool Name <b>Wantz; ABO</b>
Property Code <b>24432 24425</b>	Property Name <b>LOCKHART B-12</b>	Well Number <b>13</b>
OGRID No. <b>873</b>	Operator Name <b>APACHE CORPORATION</b>	Elevation <b>3512'</b>

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	12	21 S	37 E		1980	NORTH	660	EAST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres <b>40</b>	Joint or Infill	Consolidation Code	Order No.
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<p><b>SURFACE LOCATION</b></p> <p>Lat - N 32°29'43.10" Long - W 103°06'36.89" NMSPCE - N 546085.78           E 918439.50 (NAD-83)</p> <p>Lat - N 32°29'42.68" Long - W 103°06'35.20" NMSPCE - N 546026.651           E 877255.563 (NAD-27)</p> <p><b>32.495189</b> <b>103.109778</b></p>		<p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>Sorina L. Flores</i> 10/19/11 Signature Date</p> <p>Sorina W. Flores Printed Name</p> <p>sorina.flores@apachecorp.com Email Address</p>
		<p><b>SURVEYOR CERTIFICATION</b></p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>GARY L. JONES Date Surveyed</p> <p>GARY L. JONES Signature &amp; Seal of Professional Surveyor 7977</p> <p>Certificate No. Gary L. Jones 7977</p> <p>BASIN SURVEYS 24879</p>

# Well Test History Report

Select By: Field  
Display: All well tests between 10/01/2012 - 04/15/2013

Test Date	Effective Date	Measured Hours	Type	24 Hour Volumes					Ratios					Fluid Level
				Gr Liquid	OIL	GAS	WAT	LIFT	GOR	GLR	IGOR	IGLR	TGLR	
<b>Field: EUNICE AREA</b>														
<b>LOCKHART B-12 #13</b>														
10/30/2012	10/30/2012	24	A	433	143	30	290	0	210	69	0	0	69	
10/31/2012	10/31/2012	24	A	55	25	233	30	0	9,320	4,236	0	0	4,236	
11/1/2012	11/1/2012	24	A	141	111	265	30	0	2,387	1,879	0	0	1,879	494
11/2/2012	11/2/2012	24	A	299	241	172	58	0	714	575	0	0	575	
11/3/2012	11/3/2012	24	A	158	69	170	89	0	2,464	1,076	0	0	1,076	
11/4/2012	11/4/2012	24	A	219	186	134	33	0	720	612	0	0	612	
11/5/2012	11/5/2012	24	A	138	138	131	0	0	949	949	0	0	949	0
11/7/2012	11/7/2012	24	A	162	140	149	22	0	1,064	920	0	0	920	0
11/9/2012	11/9/2012	24	A	122	107	142	15	0	1,327	1,164	0	0	1,164	
11/10/2012	11/10/2012	24	A	126	109	139	17	0	1,275	1,103	0	0	1,103	
11/11/2012	11/11/2012	24	A	128	116	134	12	0	1,155	1,047	0	0	1,047	
11/12/2012	11/12/2012	24	A	120	112	125	8	0	1,116	1,042	0	0	1,042	
11/13/2012	11/13/2012	24	A	122	116	122	6	0	1,052	1,000	0	0	1,000	
11/14/2012	11/14/2012	24	A	120	114	120	6	0	1,053	1,000	0	0	1,000	
11/15/2012	11/15/2012	24	A	115	107	118	8	0	1,103	1,026	0	0	1,026	
11/16/2012	11/16/2012	24	A	124	115	116	9	0	1,009	935	0	0	935	
11/18/2012	11/18/2012	24	A	112	104	111	8	0	1,067	991	0	0	991	
11/21/2012	11/21/2012	24	A	87	81	110	6	0	1,358	1,264	0	0	1,264	
12/7/2012	12/7/2012	24	A	53	53	47	0	0	887	887	0	0	887	
1/17/2013	1/17/2013	24	A	34	33	21	1	0	636	618	0	0	618	
2/3/2013	2/3/2013	24	A	32	31	22	1	0	710	688	0	0	688	
3/21/2013	3/21/2013	24	A	40	29	20	11	0	690	500	0	0	500	
Averages by Completion				134	104	120	30	0						

\*\* All values are recorded using imperial units.