

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Hobbs

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.
NMNM-125795

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

HOBBSOCD

FEB 23 2015

RECEIVED

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
Apache Corporation

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

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

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

8. Well Name and No.
Hawk Federal A-5 #009 (31036)

9. API Well No.
30-025-40459

10. Field and Pool or Exploratory Area
BliO&G(Oil)/TubbO&G(Oil)/Drinkard/Wantz;Abo

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

990' FSL & 990' FEL UL X Sec 5 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 RE-OPEN ABO & DHC w/B-T-D
	<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 is requesting permission to drill out CBP over Abo perforations, acid/fracture stimulate the Abo and return well to production with Abo & BTD DHC, per the attached procedure. We would like to amend our allocations:

Apache requests permission to add Abo to the Blinbry-Tubb-Drinkard DHC-HOB-503, per the following:

Pool Names:	Blinbry Oil & Gas	6660	Perforations:	Blinbry	5849'-5955'
	Tubb Oil & Gas	60240		Tubb	6249'-6459'
	Drinkard	19190		Drinkard	6741'-6892'
	Wantz, Abo	62700		Abo	6994'-7392'

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

	OIL	GAS	WATER
Blinbry	8%	7%	26%
Tubb	4%	17%	21%
Drinkard	21%	13%	40%
Abo	67%	63%	13%

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

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

Reesa Holland Fisher

Title Sr. Staff Reg Tech

Signature

Reesa Fisher

Date 09/30/2013

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)

Rejected. Ed Fernandez was not provided the information he requested. i.e. water, gas, oil analysis

FEB 23 2015

DATE IN	SUSPENSE	ENGINEER	LOGGED IN	TYPE	APP NO.
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ABOVE THIS LINE FOR DIVISION USE ONLY

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



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 Fisher
Signature

SR STAFF REG TECH
Title

10/1/2013
Date



September 11, 2013

**Mr. Phillip Goetze
New Mexico Oil Conservation Division
1625 N French Drive
Hobbs, New Mexico 88240**

**RE: Application for Exception to Rule 303-C -- Downhole Commingling
Hawk A-5 #9 (30-025-40459)
Unit X, Section 5, T21S, R37E
Blinbry Oil & Gas (6660), Tubb Oil & Gas (60240), Drinkard (19190) &
Wantz; Abo (62700)
Lea County, New Mexico**

Dear Mr. Goetze;

Enclosed please find form C-107A and attachments to amend DHC-HOB-503, 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.

This well is currently producing from the BTD and we would like to add Abo production. Apache's performance prediction for the Abo used the offset Hawk A #37 well, which is producing from the Abo only, as a type well. To generate predictions for the Hawk A-5 #3 and #9, our engineer, Michael Hunter, took the production forecast for the Hawk A #37 and adjusted it by the hydrocarbon net pay in each well relative to the Hawk A #37. Hydrocarbon net pays in the Hawk A #37, Hawk A-5#3, and Hawk A-5 #9 are 1.17 ft, 0.50 ft, and 1.46 ft, respectively.

For the Hawk A-5 #9 from the Abo, we are predicting an initial 30 day IP of 59 BOPD, declining hyperbolically with a b factor of 0.8 to 22 BOPD after five months and afterwards declining exponentially to an EUR of 30.9 MB at an economic limit of 0.5 BOPD after 150 total months of production.

If you need additional information or have any questions, please give me a call at (432) 818-1062 or contact Michael Hunter at (432) 818-1109.

Sincerely,

A handwritten signature in black ink that reads "Reesa Fisher". The script is cursive and fluid, with the first name "Reesa" and last name "Fisher" clearly legible.

Reesa Holland Fisher
Sr. Staff Regulatory Technician

Enclosures



Hawk A-5 #9 Proposed Procedure

**Drill out CBP over Abo Perforations, Acid/Fracture Stimulate the Abo,
Return well to Production with Abo & BTD DHC**

September 9, 2013

API: 30-025-40459

990' FSL & 990' FEL, Unit P

Section 5, Township 21S, Range 37E

Lea County, New Mexico

TD: 7500'

PBTD: 7440'

Bridge Plug: 6960'

GL elev: 3492'

KB elev: 3505'

Production Casing: 5-1/2", 17 lb/ft L-80 set @ 7499' w/ 1600 sx cmt (TOC @ 960')

Procedure:

1. MIRU. POOH w/ rods and pump. Install BOP. POOH w/ 2-7/8" tubing
2. RIH w/ 4-3/4" bit on 2-7/8" tubing, drill out CBP @ 6960'. Cont. RIH to PBTD @ +/- 7444'.
Circulate well clean
3. RIH w/ casing scraper on 2-7/8" tubing to +/-7420'. POOH
4. RIH w/RBP and treating packer on 3-1/2" N-80 work string. Set RBP @ +/-7420', set packer @ +/-7225'
5. NU frac equipment
6. Acid frac the Lower Abo with 1,100 gal 15% HCl/7,500 gal x-linked brine/ 4,800 gal retarded 15% HCl/1,100 gal 15% HCl in one stage @ 30+ BPM (max pressure 7,000 psi) as per frac recommendation. Shut-down to obtain fracture closure. After fracture closure, perform 1,100 gal 15% HCl acid stage at matrix rates (max pressure 1,500 psi) to ensure connectivity of hydraulic fracture to the wellbore
7. Set RBP @ +/-7225', set packer @ +/- 6950'
8. Acid frac the Middle/Upper Abo with 30,000 gal x-linked brine and 450 lb rock salt/19,200 gal retarded 15% HCl/4,500 gal 15% HCl in four equal stages @ 30+ BPM (max pressure 7,000 psi) as per frac recommendation. Shut-down to obtain fracture closure. After fracture closure, perform 4,200 gal 15% HCl acid stage at matrix rates (max pressure 1,500 psi) to ensure connectivity of hydraulic fracture to the wellbore
9. ND frac equipment. Shut well in overnight to allow acid to spend
10. Open well up and flow back fracture

11. After well has been flowed back, release packer and RBP, POOH w/ 3-1/2" tubing
12. RIH w/ 2-7/8" production tubing, set SN @ +/- 7400'. RIH w/ 1-1/2" pump and rods
13. Return well to production. Place well in test

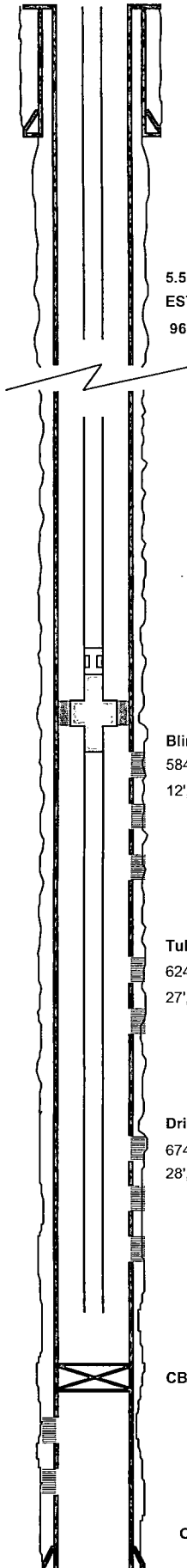
Apache Corporation

Hawk A-5 #9

WELL DIAGRAM (CURRENT CONFIGURATION)



SURF. CSG.
CMT. CIRC.



5.5"
EST. CEMENT TOP
960' (CBL)

Blinebry Perfs
5849'-5955'
12', 36 shots

Tubb Perfs
6249'-6459'
27', 54 shots

Drinkard Perfs
6741'-6892'
28', 56 shots

Abo Perfs
(suspended)
6994'-7000'
7', 28 shots
7045'-7392'
24', 48 shots

CBP @ 6960'

Orig. PBTD: 7,440.0
TD: 7,500.0

WELL NAME:		Hawk A-5 #9	API:		30-025-40459
LOCATION:		990'S/990'E Unit P, Sec 5, T-21S, R-37E	COUNTY:		Lea Co, NM
SPUD-TD DATE:		06/08/2012-06/21/2012	COMP. DATE:		8/16/2012
PREPARED BY:		Cindy Rios	DATE:		8/20/2013
TD (ft):	7,500.0	KB Elev. (ft):	3505.00	KB to Ground (ft):	13.0
PBTD (ft):	6,960.0	Ground Elev. (ft):	3492.00		
CASING/TUBING	SIZE (IN)	WEIGHT (LB/FT)	GRADE	DEPTHS (FT)	
Surface Casing	8-5/8"	24.0	J-55	0.00	1,350.0
	(Cemented w/710sx				
	circ to surface)				
Prod. Casing	5-1/2"	17.0	L-80	0.00	7,499.0
	(Cemented w/1600sx				
	TOC @ 960' CBL)				
Open Hole					
Tubing	2-7/8"	6.5	J-55	0.00	6,933.0
PRODUCTION TBG STRING					
ITEM	DESCRIPTION			LENGTH (FT)	Depth (FT)
1	224 JTS 2-7/8" 6.5# J-55				
2	TAC				5727.0
3	SN				6933.0
4					
5					
6					
7					
8					
9					
10					
PRODUCTION ROD STRING					
ITEM	DESCRIPTION			LENGTH (FT)	Btm (FT)
1	90 JTS 1-1/4" F6 RODS			3375.0	3375.0
2	60 JTS 1" KD RODS			1500.0	4875.0
3	66 JTS 7/8" KD RODS			1650.0	6525.0
4	12 JTS 1-1/2" KD RODS			300.0	6825.0
5	BHP 2"X1-1/2"X24' RHBC			24.0	6849.0
6					
7					
8					
9					
10					
SURFACE EQUIPMENT					
PUMPING UNIT SIZE:		640 PU	MOTOR HP:		
PUMPING UNIT MAKE:			MOTOR MAKE:		
PERFORATIONS					
Form.	Intervals			FT	SPF
Blinebry	Active: 5849', 62', 65', 67', 85', 5915', 31', 37', 39', 45', 51', 55'			12	3
Tubb	Active: 6249', 51', 53', 75', 77', 81', 6331', 33', 35', 37', 47', 49', 57', 62', 65', 89', 6403', 09', 11', 13', 19', 25', 27', 32', 39', 43', 59'			27	2
Drinkard	Active: 6741', 43', 49', 53', 55', 57', 68', 87', 93', 6806', 11', 16', 18', 23', 33', 35', 43', 45', 47', 55', 57', 59', 61', 71', 73', 81', 87', 92'			28	2
Abo	Suspended: 6994'-7000'			7	4
	Suspended: 7045', 47', 51', 53', 55', 7117', 21', 36', 40', 43', 45', 67', 69', 74', 7202', 04', 11', 37', 39', 7314', 30', 69', 90', 92'			24	2

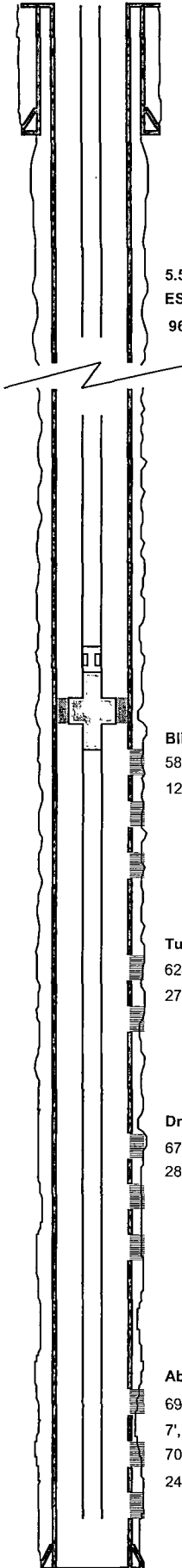
Apache Corporation

Hawk A-5 #9



WELL DIAGRAM (PROPOSED CONFIGURATION)

SURF. CSG.
CMT. CIRC.



5.5"
EST. CEMENT TOP
960' (CBL)

Blinebry Perfs
5849'-5955'
12', 36 shots

Tubb Perfs
6249'-6459'
27', 54 shots

Drinkard Perfs
6741'-6892'
28', 56 shots

Abo Perfs
6994'-7000'
7', 28 shots
7045'-7392'
24', 48 shots

PBTD: 7,440.0
TD: 7,500.0

WELL NAME:		Hawk A-5 #9		API:		30-025-40459	
LOCATION:		990'S/990'E Unit P, Sec 5, T-21S, R-37E		COUNTY:		Lea Co, NM	
SPUD-TD DATE:		06/08/2012-06/21/2012		COMP. DATE:		8/16/2012	
PREPARED BY:		Michael Hunter		DATE:		9/9/2013	
TD (ft):		7,500.0	KB Elev. (ft):		3505.00	KB to Ground (ft): 13.0	
PBTD (ft):		7,440.0	Ground Elev. (ft):		3492.00		
CASING/TUBING	SIZE (IN)	WEIGHT (LB/FT)	GRADE	DEPTHS (FT)			
Surface Casing	8-5/8"	24.0	J-55	0.00	1,350.0		
	(Cemented w/710sx circ to surface)						
Prod. Casing	5-1/2"	17.0	L-80	0.00	7,499.0		
	(Cemented w/1600sx TOC @ 960' CBL)						
Open Hole							
Tubing	2-7/8"	6.5	J-55	0.00	6,933.0		
PRODUCTION TBG STRING							
ITEM	DESCRIPTION			LENGTH (FT)	Depth (FT)		
1	239 JTS 2-7/8" 6.5# J-55						
2	TAC				+/-5700		
3	SN				7400.0		
4							
5							
6							
7							
8							
9							
10							
PRODUCTION ROD STRING							
ITEM	DESCRIPTION			LENGTH (FT)	Btm (FT)		
1	104 JTS 1-1/4" F6 RODS			3900.0	3900.0		
2	60 JTS 1" KD RODS			1500.0	5400.0		
3	66 JTS 7/8" KD RODS			1650.0	7050.0		
4	12 JTS 1-1/2" K BARS			300.0	7350.0		
5	BHP 2"X1-1/2"X24' RHBC			24.0	7374.0		
6							
7							
8							
9							
10							
SURFACE EQUIPMENT							
PUMPING UNIT SIZE:		640 PU		MOTOR HP:			
PUMPING UNIT MAKE:				MOTOR MAKE:			
PERFORATIONS							
Form.	Intervals			FT	SPF		
Blinebry	Active: 5849', 62', 65', 67', 85', 5915', 31', 37', 39', 45', 51', 55'			12	3		
Tubb	Active: 6249', 51', 53', 75', 77', 81', 6331', 33', 35', 37', 47', 49', 57', 62', 65', 89', 6403', 09', 11', 13', 19', 25', 27', 32', 39', 43', 59'			27	2		
Drinkard	Active: 6741', 43', 49', 53', 55', 57', 68', 87', 93', 6806', 11', 16', 18', 23', 33', 35', 43', 45', 47', 55', 57', 59', 61', 71', 73', 81', 87', 92'			28	2		
Abo	Active: 6994'-7000'			7	4		
	Active: 7045', 47', 51', 53', 55', 7117', 21', 36', 40', 43', 45', 67', 69', 74', 7202', 04', 11', 37', 39', 7314', 30', 69', 90', 92'			24	2		

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

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

APPLICATION FOR DOWNHOLE COMMINGLING

Apache Corporation 303 Veterans Airpark Lane Suite 3000 Midland TX 79705
Operator Address
Hawk Federal A-5 009 X 5 21S 37E Lea
Lease Well No. Unit Letter-Section-Township-Range County
OGRID No. 873 Property Code 31036 API No. 30-025-40459 Lease Type: ☒ Federal ☐ State ☐ Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Blinebry Oil & Gas (Oil)	Tubb Oil & Gas (Oil)	Drinkard
Pool Code	6660	60240	19190
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	5849'-5955'	6249'-6459'	6741'-6892'
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)	37.0	37.0	37.0
Producing, Shut-In or New Zone	Producing	Producing	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: See Attached Rates: See Attached	Date: See Attached Rates: See Attached	Date: See Attached Rates: See Attached
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil Gas 8 % 7 %	Oil Gas 4 % 17 %	Oil Gas 21 % 13 %

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 ☐
NMOCD 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 Fisher TITLE Sr. Staff Regulatory Tech DATE 9/30/2013
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
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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

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

APPLICATION FOR DOWNHOLE COMMINGLING

Apache Corporation 303 Veterans Airpark Lane Suite 3000 Midland TX 79705
Operator Address
Hawk Federal A-5 009 X 5 21S 37E Lea
Lease Well No. Unit Letter-Section-Township-Range County
OGRID No. 873 Property Code 31036 API No. 30-025-40459 Lease Type: ☒ Federal ☐ State ☐ Fee

DATA ELEMENT	UPPER ZONE		INTERMEDIATE ZONE		LOWER ZONE	
Pool Name					Wantz; Abo	
Pool Code					62700	
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)					6994'-7392'	
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)					38.0	
Producing, Shut-In or New Zone					CBP @ 6960'	
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: Rates:		Date: Rates:		Date: See Attached Rates: See Attached	
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil	Gas	Oil	Gas	Oil	Gas
		%	%	%	67 %	63 %

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 ☒
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Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.
Bottomhole pressure data.

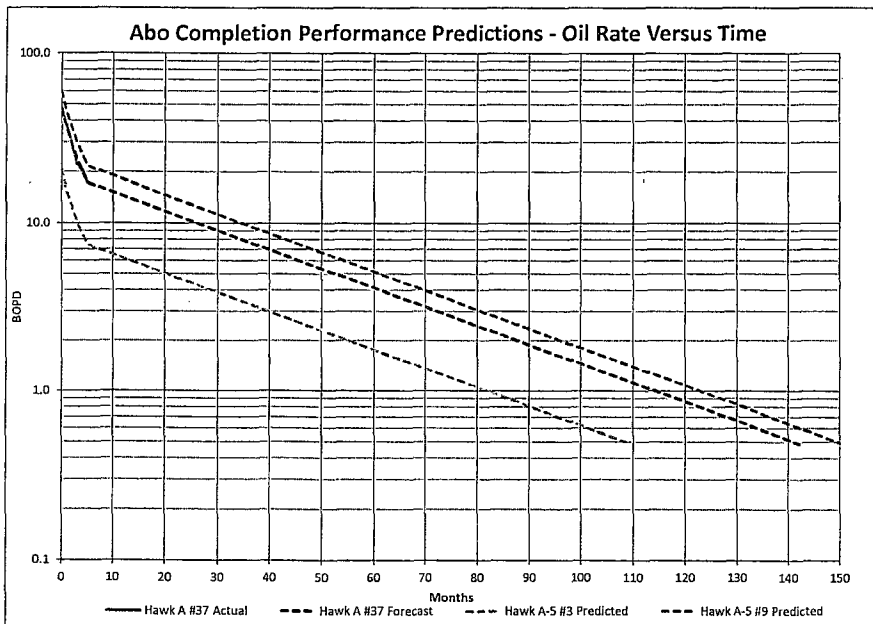
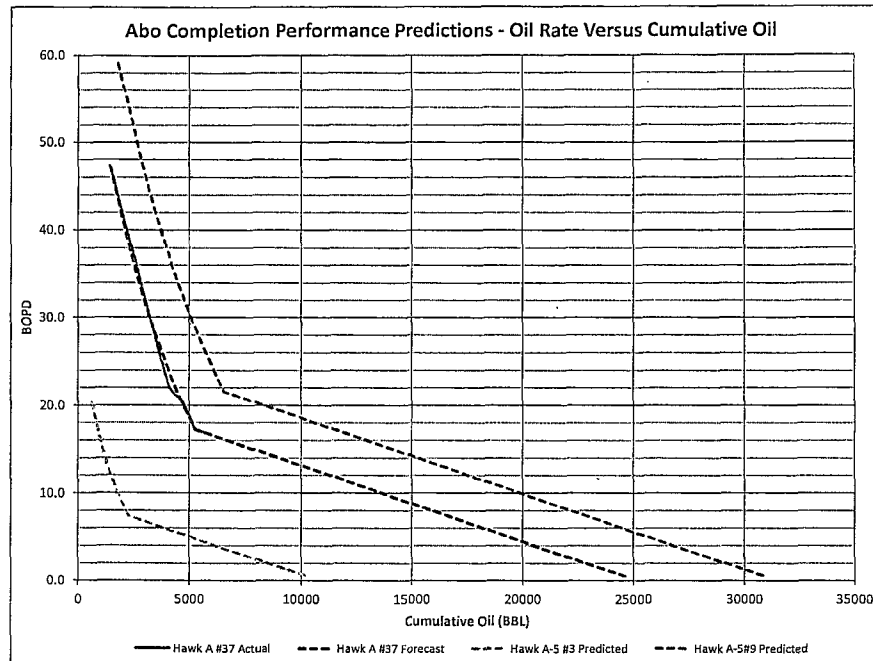
I hereby certify that the information above is true and complete to the best of my knowledge and belief.
SIGNATURE Reesa Fisher TITLE Sr. Staff Regulatory Tech DATE 9/30/2013
TYPE OR PRINT NAME Reesa Holland Fisher TELEPHONE NO. (432) 818-1062
E-MAIL ADDRESS Reesa.Holland@apachecorp.com

Calculated splits as per the table below:

Hawk A-5 #9 Allocated Forecast Remaining Production - With Abo						
Zone	Oil		Gas		Water	
	(BBL)	(%)	(MCF)	(%)	(BBL)	(%)
Blinebry	3,559	7.7%	10,579	6.7%	9,880	25.9%
Tubb	2,014	4.3%	27,040	17.1%	7,906	20.7%
Drinkard	9,905	21.3%	21,154	13.4%	15,146	39.7%
Abo	30,916	66.6%	98,931	62.7%	5,256	13.8%
Total	46,394	100.0%	157,704	100.0%	38,188	100.0%

Petrophysics Summary					
Well	h (ft)	Ph (%)	Ph-h (%)	SW (%)	SoPh-h (%)
Hawk A #37	26	7.7%	2.0	42.2%	1.17
Hawk A-5 #3	10	8.3%	0.8	39.4%	0.50
Hawk A-5 #9	28.5	8.9%	2.5	42.6%	1.46

Hawk A-37		Hawk A-5 #3		Hawk A-5 #9	
Production Forecast		Production Prediction		Production Prediction	
Segment 1		Segment 1		Segment 1	
qi	47.3 BOPD	qi	20.3 BOPD	qi	59.1 BOPD
qf	17.3 BOPD	qf	7.4 BOPD	qf	21.6 BOPD
b	0.8	b	0.8	b	0.8
di	30.9%/Mo.	di	30.9%/Mo.	di	30.9%/Mo.
tf	5 Mo	tf	5 Mo	tf	5 Mo
Qf	5.3 MB	Qf	2.3 MB	Qf	6.6 MB
Segment 2		Segment 2		Segment 2	
qi	16.9 BOPD	qi	7.2 BOPD	qi	21.1 BOPD
qf	0.5 BOPD	qf	0.5 BOPD	qf	0.5 BOPD
b	0	b	0	b	0
d	2.6%/Mo.	d	2.6%/Mo.	d	2.6%/Mo.
tf	141 Mos.	tf	109 Mos.	tf	150 Mos.
Qf	24.3 MB	Qf	10.3 MB	Qf	30.9 MB



Hawk A #37 Allocated Monthly Production			
Month	Abo		
	Oil	Gas	Water
	(BBL)	(MCF)	(BBL)
Jan-13	1437	1868	761
Feb-13	1118	2864	359
Mar-13	862	2277	161
Apr-13	675	1973	98
May-13	621	1843	101
Jun-13	526	1685	93
Jul-13	524	1660	86

Hawk A #37 Allocated Cumulative Production		
Abo		
Oil	Gas	Water
(BBL)	(MCF)	(BBL)
5,763	14,169	1,659

Hawk A-5 #9 Allocated Monthly Production												
Month	Blinbry			Drinkard			Tubb			Total		
	Oil (BBL)	Gas (MCF)	Water (BBL)	Oil (BBL)	Gas (MCF)	Water (BBL)	Oil (BBL)	Gas (MCF)	Water (BBL)	Oil (BBL)	Gas (MCF)	Water (BBL)
Oct-12	313	287	1490	943	931	2284	192	1190	1192	1474	2586	4966
Nov-12	339	287	1220	871	574	1870	177	734	976	1361	1595	4066
Dec-12	115	174	203	189	321	405	289	65	518	177	423	967
Jan-13	128	287	274	309	251	548	474	51	700	248	392	1522
Feb-13	134	296	456	372	592	700	76	757	865	582	1645	1521
Mar-13	150	329	459	416	657	703	85	840	867	651	1826	1529
Apr-13	115	331	442	320	662	677	65	846	853	500	1839	1472
May-13	128	287	327	356	574	502	72	734	762	556	1595	1091
Jun-13	90	274	309	251	548	474	51	700	248	392	1522	1031
Jul-13	113	289	422	315	578	647	64	738	338	492	1605	1407

Hawk A-5 #9 Allocated Cumulative Production												
Month	Blinbry			Drinkard			Tubb			Total		
	Oil (BBL)	Gas (MCF)	Water (BBL)	Oil (BBL)	Gas (MCF)	Water (BBL)	Oil (BBL)	Gas (MCF)	Water (BBL)	Oil (BBL)	Gas (MCF)	Water (BBL)
Oct-12	313	287	1490	943	931	2284	192	1190	1192	1474	2586	4966
Nov-12	339	287	1220	871	574	1870	177	734	976	1361	1595	4066
Dec-12	115	174	203	189	321	405	289	65	518	177	423	967
Jan-13	128	287	274	309	251	548	474	51	700	248	392	1522
Feb-13	134	296	456	372	592	700	76	757	865	582	1645	1521
Mar-13	150	329	459	416	657	703	85	840	867	651	1826	1529
Apr-13	115	331	442	320	662	677	65	846	853	500	1839	1472
May-13	128	287	327	356	574	502	72	734	762	556	1595	1091
Jun-13	90	274	309	251	548	474	51	700	248	392	1522	1031
Jul-13	113	289	422	315	578	647	64	738	338	492	1605	1407

Hawk A-5 #3 Allocated Monthly Production																									
Month	Blinebry			Drinkard			Tubb			Total															
	Oil (BBL)	Gas (MCF)	Water (BBL)	Oil (BBL)	Gas (MCF)	Water (BBL)	Oil (BBL)	Gas (MCF)	Water (BBL)	Oil (BBL)	Gas (MCF)	Water (BBL)													
Oct-05	264	742	59	232	0	447	304	209	151	800	951	657													
Nov-05	437	1588	138	384	0	1047	503	448	352	1324	2036	1531													
Dec-05	315	1439	136	277	0	1023	363	406	347	955	1845	1510													
Jan-06	323	1609	110	284	0	885	272	465	282	979	2114	1227													
Feb-06	255	1532	528	224	0	3988	294	438	1349	773	1990	5855													
Mar-06	294	1673	481	258	0	3634	388	472	1229	890	2185	5344													
Apr-06	260	2303	398	228	0	3120	287	451	1055	755	2052	4588													
May-06	238	2221	395	209	0	2984	274	626	1009	721	2847	4388													
Jun-06	253	2148	422	222	0	3190	291	606	1079	766	2754	4691													
Jul-06	219	1941	226	193	0	1706	252	548	577	664	2489	2509													
Aug-06	201	4158	84	177	0	632	232	534	214	610	4692	930													
Oct-06	205	9975	117	180	0	883	236	1906	209	621	11781	1299													
Nov-06	177	4998	167	156	0	1260	204	604	428	537	5602	1853													
Dec-06	167	4254	301	147	0	2277	192	365	770	506	4619	3348													
Jan-07	177	4613	330	156	0	2492	204	672	893	537	5285	3665													
Feb-07	141	4111	272	124	0	2058	162	516	696	427	4627	3026													
Mar-07	136	5681	284	119	0	2144	156	306	725	411	5987	3153													
Apr-07	122	3180	232	107	0	1754	141	683	593	370	3863	2579													
May-07	115	8122	280	101	0	2192	132	487	741	348	8609	3223													
Jun-07	118	7765	181	103	0	1365	135	251	462	356	8016	2008													
Jul-07	142	6306	41	125	0	311	163	104	105	430	6410	457													
Aug-07	112	9901	143	98	0	1083	128	201	366	338	10102	1592													
Sep-07	55	8985	143	48	0	1082	63	127	366	166	9113	1591													
Oct-07	23	5232	73	20	0	550	27	74	386	70	5305	809													
Nov-07	65	9655	196	58	0	1479	75	213	500	198	3688	2175													
Dec-07	51	10344	169	54	0	1281	70	377	433	185	10721	1883													
Jan-08	49	9425	145	43	0	1097	57	356	371	149	9781	1613													
Feb-08	288	7328	161	253	0	1217	331	316	412	872	7644	1790													
Mar-08	223	4634	123	196	0	931	257	219	315	676	4853	1369													
Apr-08	324	6892	186	285	0	1404	374	413	475	983	7305	2065													
May-08	295	7591	185	260	0	1397	340	387	472	896	7978	2054													
Jun-08	212	7332	166	187	0	1256	244	401	425	643	7733	1847													
Jul-08	75	9182	199	66	0	1504	86	306	509	277	9468	2212													
Aug-08	85	7462	174	75	0	1312	98	684	444	258	8146	1930													
Sep-08	41	1581	94	36	0	713	47	446	241	124	2027	1048													
Oct-08	48	2389	161	42	0	1214	55	674	411	145	3063	1786													
Nov-08	40	1848	287	35	0	2167	46	521	733	121	2369	3187													
Dec-08	40	1793	328	35	0	2482	46	506	839	121	2299	3649													
Jan-09	42	1684	272	37	0	2054	49	475	695	128	2159	3021													
Feb-09	66	1158	244	58	0	1846	76	327	624	200	1485	2714													
Mar-09	143	1266	216	126	0	1631	165	357	552	434	1623	2399													
Apr-09	106	1065	175	93	0	1324	122	300	448	321	1365	1947													
May-09	60	1237	262	53	0	1976	69	349	668	182	1586	2906													
Jun-09	47	1407	231	41	0	1747	54	397	591	142	1804	2569													
Jul-09	45	1504	227	40	0	1717	52	424	581	137	1928	2525													
Aug-09	50	1346	165	79	0	1246	103	380	421	272	1776	1832													
Sep-09	111	954	127	98	0	959	128	269	324	337	1223	1410													
Oct-09	134	891	141	118	0	1069	154	251	361	406	1142	1571													
Nov-09	145	945	177	127	0	1338	167	266	453	439	1211	1968													
Dec-09	130	1125	143	110	0	1081	144	317	366	384	1442	1590													
Jan-10	93	830	113	82	0	856	108	234	290	283	1064	1259													
Feb-10	93	706	113	82	0	856	107	199	290	282	905	1259													
Mar-10	92	599	167	78	0	1264	103	169	428	273	768	1859													
Apr-10	45	747	139	40	0	1052	52	211	356	137	958	1547													
May-10	89	993	138	78	0	1044	102	280	353	269	1273	1535													
Jun-10	91	1001	121	80	0	911	105	282	308	276	1283	1340													
Jul-10	95	978	108	83	0	815	109	276	276	287	1254	1199													
Aug-10	86	1027	37	76	0	279	99	290	94	261	1317	410													
Sep-10	77	984	70	68	0	531	89	277	180	234	1261	781													
Oct-10	97	927	91	85	0	613	112	261	207	294	1188	901													
Nov-10	104	759	96	91	0	728	120	214	246	315	973	1070													
Dec-10	82	638	83	72	0	626	95	180	222	249	818	921													
Jan-11	81	778	91	81	0	691	106	219	234	279	997	1016													
Feb-11	63	609	58	56	0	437	73	172	148	192	781	643													
Mar-11	94	930	120	83	0	910	109	262	308	286	1192	1338													
Apr-11	91	910	95	80	0	720	105	257	244	276	1167	1059													
May-11	77	1035	85	67	0	641	88	292	217	232	1337	943													
Jun-11	71	1022	108	63	0	814	82	288	275	216	1310	1197													
Jul-11	72	1023	129	64	0	976	83	289	330	219	1312	1435													
Aug-11	80	1007	142	70	0	1075	92	284	364	242	1291	1581													
Sep-11	67	944	130	59	0	981	77	266	332	203	1210	1443													
Oct-11	57	1000	112	50	0	848	65	282	287	172	1282	1247													
Nov-11	65	917	89	57	0	671	74	259	227	196	1176	987													
Dec-11	43	756	110	38	0	831	49	213	281	330	969	1272													
Jan-12	52	810	124	46	0	935	60	229	316	158	1039	1375													
Feb-12	48	733	69	43	0	525	56	218	177	147	991	771													
Mar-12	41	753	54	36	0	408	47	212	138	124	965	600													
Apr-12	41	753	56	36	0	427	47	212	144	124	965	627													
May-12	38	768	22	34	0	170	44	217	57	116	985	249													
Jun-12	42	877	24	37	0	179	49	247	60	128	1124	283													
Jul-12	85	845	45	75	0	339	98	237	113	256	1079	499													
Aug-12	88	845	99	77	0	746	101	238	257	258	1083	1097													
Sep-12	81	707	70	71	0	526	93	217	178	245	987	74													
Oct-12	111	827	90	97	0	683	127	233	231	335	1060	1004													
Nov-12	88	708	103	109	0	668	142	217	226	374	987	982													
Dec-12	139	814	103	122	0	776	160	230	262	421	1044	1141													
Jan-13	117	782	95	103	0	717	134	201	262	354	1002	1054													
Feb-13	66	788	64	58	0	483	76	161	203	260	869	709													
Mar-13	107	779	74	94	0	561	124	220	190	335	939	825													
Apr-13	42	581	13	33	0	95	49	164	32	128	745	340													
May-13	41	451	19	36	0	140	48	127	47	125	578	206													
Jun-13	56	656	30	49	0	223	65	185	75	170	841	328													
Jul-13	56	764	40	49	0	300	65	216	102	171	980	442													

Well Test History Report

Page 1 of 1
9/11/2013 3:33:57 pm

Select By: Field

Display: All well tests between 01/01/2013 - 09/09/2013

Test Date	Effective Date	Measured Hours	Type	24 Hour Volumes					Ratios					Fluid Level
				Gr Liquid	OIL	GAS	WAT	LIFT	GOR	GLR	IGOR	IGLR	TGLR	
Field: EUNICE AREA BTD														
HAWK /A-5/ #9 (BLINEBRY)														
1/25/2013	1/25/2013	24	A	62	22	79	40	0	3,591	1,274	0	0	1,274	
2/1/2013	2/1/2013	24	A	76	22	71	54	0	3,227	934	0	0	934	
3/19/2013	3/19/2013	24	A	52	12	76	40	0	6,333	1,462	0	0	1,462	
4/29/2013	4/29/2013	24	A	54	18	60	36	0	3,333	1,111	0	0	1,111	
5/1/2013	5/1/2013	24	A	54	18	60	36	0	3,333	1,111	0	0	1,111	
5/15/2013	5/15/2013	24	A	29	10	56	19	0	5,600	1,931	0	0	1,931	
6/21/2013	6/21/2013	24	A	44	10	51	34	0	5,100	1,159	0	0	1,159	
7/17/2013	7/17/2013	24	A	39	16	65	23	0	4,063	1,667	0	0	1,667	
8/29/2013	8/29/2013	24	A	30	13	61	17	0	4,692	2,033	0	0	2,033	
Averages by Completion				49	16	64	33	0						

** All values are recorded using imperial units.

Order Number

DHC
HOB-503

API Number

30-025-40459

Operator

Apache Corporation

County

Lea

Order Date

10-17-12

Well Name

Hawk A-5

Number

9

Location

P

UL

5

Sec

21S

T (+Dir)

37E

R (+Dir)

Pool 1

16660

Blinebry Oil + Gas

Oil %

23%

Gas %

18%

Pool 2

16240

Tubb Oil + Gas

13%

46%

Pool 3

19190

Drinkard

64%

36%

Pool 4

Comments:

Posted in RBDMS 10-17-2012 CHM

OCT 17 2012

30-025-40459
DHC-HOB-503

DOWNHOLE COMMINGLE CALCULATIONS:

OPERATOR: Apache Corp

PROPERTY NAME: Hawk A-5

WNULSTR: 9-P-5-215-37E

SECTION I:		ALLOWABLE AMOUNT	
POOL NO. 1	<u>Blinebry Oil + Gas</u>	<u>107</u>	<u>428</u> MCF
POOL NO. 2	<u>Tubb Oil + Gas</u>	<u>142</u>	<u>284</u> MCF
POOL NO. 3	<u>Drinkard</u>	<u>142</u>	<u>852</u> MCF
POOL NO. 4			
POOL TOTALS		<u>391</u>	<u>1564</u> MCF

SECTION II:	<u>Oil</u>	<u>Gas</u>
POOL NO. 1 <u>Blinebry</u>	<u>23%</u>	<u>18%</u>
POOL NO. 2 <u>Tubb</u>	<u>13%</u>	<u>46%</u>
POOL NO. 3 <u>Drinkard</u>	<u>64% x 391 = 250.24</u>	<u>36%</u>
POOL NO. 4	<u><250></u>	

	<u>OIL</u>	<u>GAS</u>
SECTION III:		
<u>64% x 391 = 221.875</u>		<u><222></u>
SECTION IV:		
<u>23% x 222 = 51.06</u>		<u><51></u>
<u>13% x 222 = 28.86</u>		<u><29></u>
<u>64% x 222 = 142.08</u>		<u><142></u>

OCT 17 2012

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

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.

OCT 16 2012

RECEIVED

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
Apache Corporation

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

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

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

990' FSL & 990' FEL UL X Sec 5 T21S R37E

5. Lease Serial No.

NMNM-125795

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

Hawk A-5 #009 (31036)

9. API Well No.

30-025-40459

10. Field and Pool or Exploratory Area

Bline O&G(6660)/Tubb O&G(60240)/Drinkard(19190)

11. Country 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 DHC
	<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 recompleate 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 recompleation 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-Drinkard, per the following:

R-11363

Pool Names: Blinebry Oil & Gas 6660 Perforations: Blinebry 5849'-5955'
Tubb Oil & Gas 60240 Tubb 6249'-6459'
Drinkard 19190 Drinkard 6741'-6892'

The allocation method will be as follows based on offset production (See attached application for reclamation to Rule 293-C)

**SUBJECT TO LIKE
APPROVAL BY STATE**

	OIL	GAS	WATER
Blinebry	23%	18%	30%
Tubb	13%	46%	24%
Drinkard	64%	36%	46%

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

DHC-HOB-503

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

Reesa Holland

Title Sr. Staff Engr Tech

Signature

Reesa Holland

Date 08/07/2012

APPROVED

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

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
Office

OCT 13 2012

Date

WESLEY W. INGRAM
PETROLEUM ENGINEER

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)

OCT 17 2012

30-025-40459

DISTRICT I

1025 N. French Dr., Hobbs, NM 88240

DISTRICT II

1501 W. Grand Avenue, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

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

State of New Mexico
Energy, Minerals and Natural Resources Department

HOBBES OCD

Form C-102

Revised July 16, 2010

Submit one copy to appropriate
District OfficeOIL CONSERVATION DIVISION FEB 27 2012
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

RECEIVED

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-40459	Pool Code 6660	Pool Name Blinbry D & G (o)
Property Code 31036	Property Name HAWK FEDERAL A-5	Well Number 9
OGRID No. 873	Operator Name APACHE CORPORATION	Elevation 3492'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
*P	5	21 S	37 E		990	SOUTH	990	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 40	Joint or Infill	Consolidation Code	Order No. DHC-HOB-503						

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

LOT 12		LOT 9
LOT 13	<p>SURFACE LOCATION Lat - N 32°30'12.33" Long - W 103°10'47.28" NMSPCE- N 548801.091 E 896963.316 (NAD-83)</p> <p>SURFACE LOCATION Lat - N 32°30'11.80" Long - W 103°10'45.58" NMSPCE- N 548740.589 E 855779.322 (NAD-27)</p> <p>32.503278 103.179328</p>	LOT 16
LOT 17		
LOT 18		

3489.9' 3487.3'

3497.0' 3494.1'

990'

990'

OPERATOR CERTIFICATION

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.

Sorina L Flores 11/9/11
 Signature Date

Sorina L Flores
 Printed Name

sorina.flores@apachecorp.com
 Email Address

SURVEYOR CERTIFICATION

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.

Date Surveyed: **11/09/2011**
 Signature & Seal of Professional Surveyor

Certificate No. Gary L. Jones 7977

24875

MAR 01 2012

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

DISTRICT II
1301 W. Grand Avenue, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., 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-102
Revised July 16, 2010

Submit one copy to appropriate
District Office

OIL CONSERVATION DIVISION

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

FEB 27 2012

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-40459	Pool Code 60240	Pool Name Tubb D-1 G (6)
Property Code 31036	Property Name HAWK FEDERAL A-5	Well Number 9
GRID No. 873	Operator Name APACHE CORPORATION	Elevation 3492'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
X	5	21 S	37 E		990	SOUTH	990	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 40	Joint or Infill	Consolidation Code	Order No. DHC-HOB-503
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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

LOT 12		LOT 9
LOT 13	<p>SURFACE LOCATION Lat - N 32°30'12.33" Long - W 103°10'47.26" NMSPCE- N 548801.091 E 896963.316 (NAD-83)</p> <p>SURFACE LOCATION Lat - N 32°30'11.80" Long - W 103°10'45.58" NMSPCE- N 548740.589 E 855779.322 (NAD-27)</p> <p>32.503278 103.179328</p>	LOT 16
LOT 17		
LOT 18		

OPERATOR CERTIFICATION

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.

Sorima L Flores 11/9/11
Signature Date

Sorima L Flores
Printed Name

Sorima.Flores@apachecorp.com
Email Address

SURVEYOR CERTIFICATION

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.

Date Surveyed
Signature & Seal of Professional Surveyor
7977

Certificate No. Gary L. Jones 7977

BASIN SURVEYS 24875

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

DISTRICT II
1301 W. Grand Avenue, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

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

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

HOBBS OGD

FEB 27 2012

RECEIVED

Form C-102
Revised July 16, 2010
Submit one copy to appropriate
District Office

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-025-40459	Pool Code 19190	Pool Name Drinkard
Property Code 31036	Property Name HAWK FEDERAL A-5	Well Number 9
OGRID No. 873	Operator Name APACHE CORPORATION	Elevation 3492'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
X	5	21 S	37 E		990	SOUTH	990	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 40		Joint or Infill	Consolidation Code	Order No. DHC-HOB 503					

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

LOT 12		LOT 9
LOT 13	<p>SURFACE LOCATION Lat - N 32°30'12.33" Long - W 103°10'47.26" NMSPC- N 548801.091 E 896963.316 (NAD-83)</p> <p>SURFACE LOCATION Lat - N 32°30'11.80" Long - W 103°10'45.58" NMSPC- N 548740.589 E 855779.322 (NAD-27)</p> <p>32.503278 103.179328</p>	LOT 16
LOT 17		
LOT 18		

3489.9' 3487.3'

990'

3497.0' 3494.1'

990'

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Sorima L Flores 11/9/11
Signature Date

Sorima L Flores
Printed Name

sorima.flores@apachecorp.com
Email Address

SURVEYOR CERTIFICATION

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.

Date Surveyed: 11/9/11

Signature & Seal of Professional Surveyor 7977

Certificate No. Gary L. Jones 7977

BASIN SURVEYS 24875

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 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-40459	² Pool Code 62700	³ Pool Name Wantz; Abo
⁴ Property Code 31036	⁵ Property Name Hawk Federal A-5	⁶ Well Number 009
⁷ OGRID No. 873	⁸ Operator Name Apache Corporation: 303 Veterans Airpark Lane, Suite 3000 Midland, TX 79705	⁹ Elevation 3492'

¹⁰ Surface Location

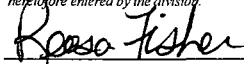
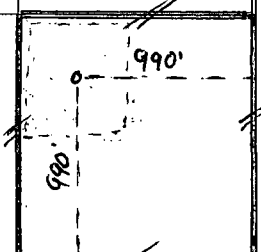
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
X / P	5	21S	37E		990	South	990	East	Lea

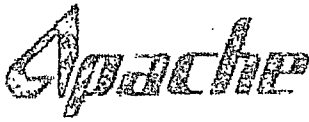
¹¹ Bottom Hole Location If Different From Surface

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

¹² Dedicated Acres 40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. DHC-HOB-503
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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.

16				¹⁷ OPERATOR CERTIFICATION <i>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.</i>  09/11/2013 Signature Date Reesa Holland Fisher Printed Name
				¹⁸ SURVEYOR CERTIFICATION <i>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.</i> Date of Survey Signature and Seal of Professional Surveyor:  Certificate Number



August 6, 2012

Mr. Paul Kautz
New Mexico Oil Conservation Division
1625 N French Drive
Hobbs, New Mexico 88240

RE: Application for Exception to Rule 303-C – Downhole Commingling
Hawk A-5 #9 (30-025-40458)
Unit X, Section 5, T21S, R37E
Blinebry Oil & Gas (6660), Tubb Oil & Gas (60240) and Drinkard (19190)
Lea County, New Mexico

Dear Mr. Kautz,

Enclosed please find form C-103 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.

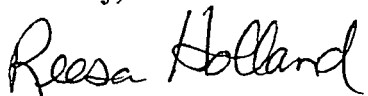
The allocation method used for this well was determined by analyzing the cumulative oil, gas and water production in a nine section area of review surrounding this well. Supporting documentation is shown on the attached spreadsheet. Production for active and inactive wells was grouped by pool in the 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". The signature is written in black ink and is positioned below the word "Sincerely,".

Reesa Holland
Sr. Staff Engineering Technician

Lease Name	Well Number	10 Digit API	Location	Cum Oil (BBL)			Cum Gas (MCF)			Cum Water (BBL)		
				Blnebr	Tubb	Drnkard	Blnebr	Tubb	Drnkard	Blnebr	Tubb	Drnkard
SOUTHLAND ROYALTY A	3	3002506395	21S 37E 4N W2 SE SW	16867	45196	148761	259667	408458	834920	6789	6099	21943
SOUTHLAND ROYALTY A	4	3002506396	21S 37E 4	69211	35274	177265	305283	3699669	781800	5424	4092	9651
HAWK A	2	3002506432	21S 37E 8H	30911	3214	127522	432280	45969	794010	18415	8640	9395
HAWK B 1	7	3002506439	21S 37E 9P C SE SE	24510	74001	11665	619996	4090633	369526	12740	260	32891
HAWK FEDERAL B 1	9	3002506441	21S 37E 9M C SW SW	33130	2502	218929	1142763	111299	1934151	5931	2213	11862
SOUTHLAND ROYALTY A	1	3002506442	21S 37E 8G	100106	7306	187324	1083782	710846	2575495	10860	2459	9738
SOUTHLAND ROYALTY A	2	3002506443	21S 37E 9B	79985	38822	304145	612743	3448426	958696	37714	23075	47162
SOUTHLAND ROYALTY A	7	3002506445	21S 37E 9A NE NE	119219	931	61770	1042548	12444	913742	13566	656	8811
HAWK FEDERAL B 1	5	3002508908	21S 37E 9K C NE SW	2741	38181	233532	21325	744964	2453819	1228	6143	11185
HAWK B 1	3	3002509909	21S 37E 9C	52835	24243	187807	561357	2418897	1191581	14614	2728	3883
SOUTHLAND ROYALTY A	8	3002520069	21S 37E 4Q	43272	40308	87469	621215	1230082	1325964	8838	9682	16683
HAWK FEDERAL B 1	34	3002536344	21S 37E 9N NW SE SW	5138	17190	5055	6130	368481	81814	1424	9473	1046
GULF HILL	2	3002536811	21S 37E 4 NE SW NE	12641	409	778	54136	4901	5359	3764	15161	5992
SOUTHLAND ROYALTY A	16	3002537200	21S 37E 9H SE SE NE	596	4693	7018	45686	67046	125026	1752	1960	4987
LEA COUNTY FEDERAL	2	3002537236	21S 37E 5 SE NE SE	2993	1883	4441	5930	1132	8547	5578	5479	5855
HAWK FEDERAL A 5	3	3002537380	21S 37E 5O SE SW SE	16674	9881	7482	176533	69342	1926	40775	37215	78606
HAWK FEDERAL A 5	5	3002538129	21S 37E 5I SE	5973	5371	2530	37404	5316	22516	6580	22090	2659
HILL	2	3002539062	21S 37E 4 NW SE	8089	4044	10938	63629	17358	66574	23692	16994	57613
HAWK FEDERAL A 5	4	3002539390	21S 37E 5P	6338	2180	11284	38481	38483	32987	6452	1786	5489
TOTALS				633,229	355,429	1,815,735	7,132,868	18,094,046	14,479,453	224,116	178,205	345,451
AVERAGES				33,328	18,707	95,565	375,414	952,318	762,076	11,796	9,379	18,182

Proposed Allocations	Oil	Gas	Water
Blnebr	23%	18%	30%
Tubb	13%	46%	24%
Drnkard	64%	36%	46%
TOTAL	100%	100%	100%

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED

DATE 11/11/01 BY

SP-11/11/01
SP-11/11/01

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-101
Revised July 18, 2013

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address Apache Corporation 303 Veterans Airpark Lane, Suite 3000 Midland, TX 79705		² OGRID Number 873
		³ API Number 30-025-40459
⁴ Property Code 31036	⁵ Property Name Hawk A-5	⁶ Well No. 009

⁷ Surface Location

UL - Lot X	Section 5	Township 21S	Range 37E	Lot Idn	Feet from 990	N/S Line S	Feet From 990	E/W Line E	County Lea
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⁸ Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
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⁹ Pool Information

Pool Name Blinebry (6660) - Tubb (60240) - Drinkard (19190) Completed, Adding Wantz; Abo	Pool Code 62700
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Additional Well Information

¹¹ Work Type A	¹² Well Type O	¹³ Cable/Rotary	¹⁴ Lease Type F	¹⁵ Ground Level Elevation 3492'
¹⁶ Multiple N	¹⁷ Proposed Depth 7500'	¹⁸ Formation Wantz; Abo (62700)	¹⁹ Contractor	²⁰ Spud Date 6/8/2012
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ We will be using a closed-loop system in lieu of lined pits

²¹ Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
J-55	11"	8-5/8"	27#	1350'	710 sx Class C	Surface
J-55/L-80	7-7/8"	5-1/2"	17#	7499'	1600 sx Class C	960' CBL

Casing/Cement Program: Additional Comments

--

²² Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that I have complied with 19.15.14.9 (A) NMAC <input type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input type="checkbox"/> , if applicable. Signature: <i>Reesa Fisher</i> Printed name: Reesa Holland Fisher Title: Sr Staff Reg Tech E-mail Address: Reesa.Holland@apachecorp.com Date: 9/11/2013	OIL CONSERVATION DIVISION	
	Approved By:	
	Title:	
	Approved Date:	Expiration Date:
	Conditions of Approval Attached	