

District I  
1625 N French Dr, Hobbs, NM 88240  
District II  
1301 W Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S St Francis Dr, Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

Form C-101  
May 27, 2004

RECEIVED

MAY 18 2009  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Submit to appropriate District Office

☐ AMENDED REPORT

HOBBSOCD

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

<sup>1</sup> Operator Name and Address Apache Corporation (873) 6120 S Yale Ave, Suite 1500 Tulsa, OK 74136-4224		<sup>2</sup> OGRID Number 00873
<sup>3</sup> Property Code 26480		<sup>4</sup> Property Name Sharps
<sup>5</sup> Proposed Pool 1 House; Tubb (78760)		<sup>6</sup> Well No 001
<sup>7</sup> Proposed Pool 2		

Surface Location

U/L or lot no M	Section 13	Township 20S	Range 38E	Lot Idn	Feet from the 787	North/South line South	Feet from the 660	East/Westline West	County Lea
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Proposed Bottom Hole Location If Different From Surface

U/L or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/Westline	County
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Additional Well Information

<sup>11</sup> Work Type Code A	<sup>12</sup> Well Type Code O	<sup>13</sup> Cable/Rotary	<sup>14</sup> Lease Type Code P	<sup>15</sup> Ground Level Elevation 3575'
<sup>16</sup> Multiple Yes	<sup>17</sup> Proposed Depth TD@7225'/PBTD@7094'	<sup>18</sup> Formation Blinbry/Tubb	<sup>19</sup> Contractor	<sup>20</sup> Spud Date OPEN
Depth to Groundwater		Distance from nearest fresh water well		Distance from nearest surface water
Pit. Liner Synthetic <input type="checkbox"/> milstuck Clay <input type="checkbox"/> Pit Volume _____ bbls		Drilling Method: Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>		
Closed-Loop System <input type="checkbox"/>				

Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
NC					

<sup>21</sup> Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

This well is currently producing from Blinbry perms @ 5976' - 6106'.  
Apache proposes to recomplect to include the Tubb via the following procedure:

Permit Expires 2 Years From Approval  
Date Unless Drilling Underway  
Adding

1. MIRU.
2. Pull out of hole with production equipment.
3. Clean out to PBTD at 7094'
4. Perforate Tubb interval with 2 SPF and 120 degree phasing @ 6812 - 6816, 6834 - 6838, 6866 - 6870, 6885 - 6889, 6916 - 6920'
5. Acidize and/or frac Tubb perforations as necessary.
6. Produce well from Tubb only until an approved downhole commingling permit is approved at which time the Tubb production will be commingled with the existing Blinbry production.

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOC guidelines ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Printed name Sophie Mackay  
Title Engineering Tech

E-mail Address sophie.mackay@apachecorp.com

Date 05/14/2009 Phone (918)491-4864

OIL CONSERVATION DIVISION

Approved by

Title PETROLEUM ENGINEER

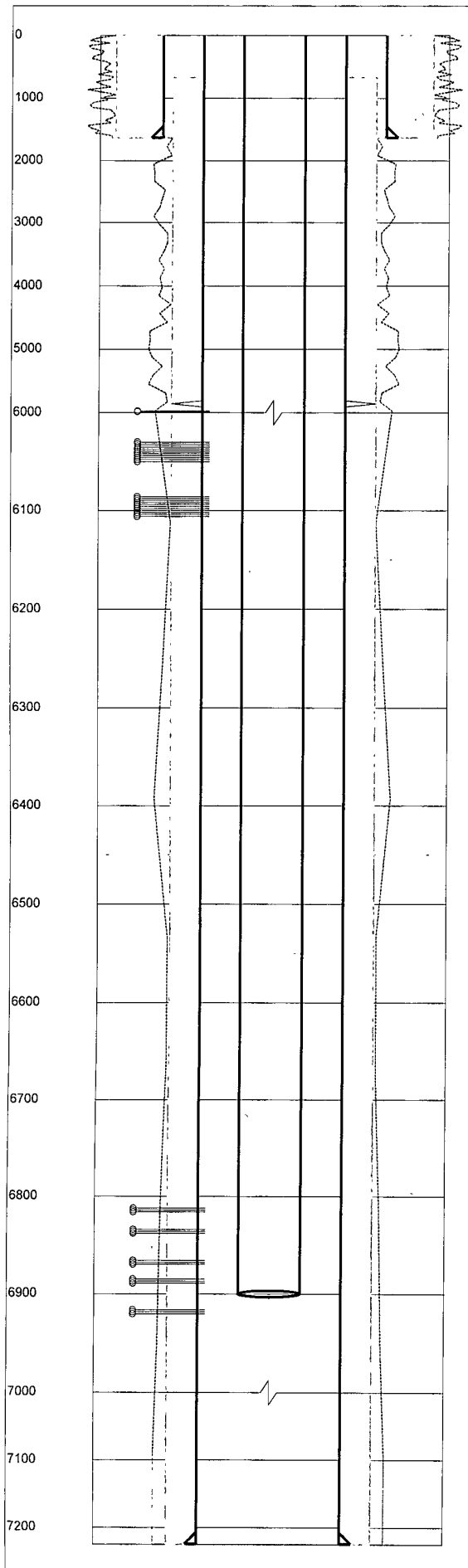
Approval Date

Expiration Date

JUN 12 2009

Co

Conditions of Approval Approval to drill & test all new zones separate, but cannot produce Downhole commingle until DHC is approved in Hobbs District office according to R-11363



# PROPOSED COMPLETION

Last Updated:

5/14/2009 2:11:11 PM

Field Name			Lease Name		Well No.
House			Sharps		1
County	State	API	GL (ft)	KB (ft)	
Lea	New Mexico	30-025-34060	3575	3585	
Sec.	Twp/Blk	Rng/Svy	Footage		
13	20S	38E	787' FSL & 660' FWL from Unit		
Spud Date	Comp. Date	Prepared By	Last Updated		
8/28/1997	9/20/1997	JLF	5/14/2009		
Current Status					
Producing in Blinebry. Last test showed 2 BOPD and 14 MCFD IP was 144 BOPD/163 MCFD/106 BWPD					

## Hole Summary

Date	OD (in)	Top (KB ft)	Bottom (KB ft)	Comments
8/29/1997	12 2500	0	1,633	
9/13/1997	7 8750	1,633	7,225	

## Tubular Summary

Date	Description	OD (in)	Wt (lb/ft)	Grade	Top (KB ft)	Bottom (KB ft)
	Tubing	2 3750			0	6,900
8/29/1997	Surface Casing	8 6250	24 00		0	1,633
9/13/1997	Production Casing	5 5000	17 00		0	7,224
11/29/1998	Tubing	2.3750			0	6,163

## Casing Cement Summary

Date	No Sx	OD (in)	ID (in)	Top (KB ft)	Bottom (KB ft)
	750	12 2500	8.6250	0	1,633
	1500	7 8750	5 5000	670	7,225

## Tools/Problems Summary

Date	Tool Type	OD (in)	ID (in)	Top (KB ft)	Bottom (KB ft)
10/4/1997	TAC	7 8750	5 5000	5,910	

## Cement Plug Summary

### Perf Summary

Date	Perf Status	Formation	Top (KB ft)	Bottom (KB ft)	SPF	Shots	Phasing
	Open	Tubb	6,812	6,816	2	10	120
	Open	Tubb	6,834	6,838	2	10	120
	Open	Tubb	6,866	6,870	2	10	120
	Open	Tubb	6,885	6,889	2	10	120
	Open	Tubb	6,916	6,920	2	10	120
9/20/1997	Open	Blinebry	5,976	5,984	1	9	0
9/20/1997	Open	Blinebry	6,030	6,050	1	21	0
9/20/1997	Open	Blinebry	6,086	6,106	1	21	0

## Completion History Summary

Date	Comments
9/20/1997	Acidized w/ 1900 gal of 15% HCL and fracd w/54,000 gals Delta frac of 163,000# 20/40 Ottawa sand
8/2/2004	acidized w/127 gals of S-150 and 146 gal acigel and frac w/ 12,000# 100% Lite Prop 125 14/30 and 20 cwt of 20/40 IP - 3 BO/80 BW/OMCF

Field Name	Lease Name	Well No.	County	State	API	GL (ft)	KB (ft)
House	Sharps	1	Lea	New Mexico	30-025-34060	3575	3585
Sec.	Twp/Blk	Rng/Svy	Footage	Spud Date	Comp. Date	Prepared By	Last Updated
13	20S	38E	787' FSL & 660' FWL from Unit	8/28/1997	9/20/1997	JLF	5/14/2009
<b>Current Status</b>							
Producing in Blinebry Last test showed 2 BOPD and 14 MCFD IP was 144 BOPD/163 MCFD/106 BWPD							

**Detailed Summaries****Hole Summary**

Date	OD (in)	Top (KB ft)	Bottom (KB ft)	Comments
8/29/1997	12 2500	0	1,633	
9/13/1997	7 8750	1,633	7,225	

**Tubular Summary**

Date	Description	OD (in)	Wt (lb/ft)	Grade	Coupling	Top (KB ft)	Bottom (KB ft)	Comments
	Tubing	2 3750				0	6,900	
8/29/1997	Surface Casing	8 6250	24 00			0	1,633	
9/13/1997	Production Casing	5 5000	17 00			0	7,224	
11/29/1998	Tubing	2 3750				0	6,163	195 jts

**Casing Cement Summary**

Date	No Sx	OD (in)	ID (in)	Top (KB ft)	Bottom (KB ft)	Cement Description	Comments
	750	12 2500	8 6250	0	1,633		circulated
	1500	7 8750	5 5000	670	7,225		calculated w/ 30% washout and 1 2 cmt yield

**Tools/Problems Summary**

Date	Tool Type	OD (in)	ID (in)	Top (KB ft)	Bottom (KB ft)	Description	Comments
10/4/1997	TAC	7 8750	5 5000	5,910			

**Cement Plug Summary****Perf Summary**

Date	Perf Status	Formation	Top (KB ft)	Bottom (KB ft)	SPF	Shots	Phasing	Perf Comments	Interval Comments
	Open	Tubb	6,812	6,816	2	10	120	32 cts total	
	Open	Tubb	6,834	6,838	2	10	120	32 cts total	
	Open	Tubb	6,866	6,870	2	10	120	32 cts total	
	Open	Tubb	6,885	6,889	2	10	120	32 cts total	
	Open	Tubb	6,916	6,920	2	10	120	32 cts total	
9/20/1997	Open	Blinebry	5,976	5,984	1	9		0 48 cts total	
9/20/1997	Open	Blinebry	6,030	6,050	1	21		0 48 cts total	
9/20/1997	Open	Blinebry	6,086	6,106	1	21		0 48 cts total	

**Completion History Summary**

Date	Comments
9/20/1997	Acidized w/ 1900 gal of 15% HCL and fraced w/54,000 gals Delta frac of 163,000# 20/40 Ottawa sand
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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 &amp; 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

* API Number 30-025-34060		* Pool Code 33225		* Pool Name House; Blinebry, South	
* Property Code 26480		* Property Name Sharps			* Well Number 001
* OGRID No. 00873		* Operator Name Apache Corporation (873)			* Elevation 3575'

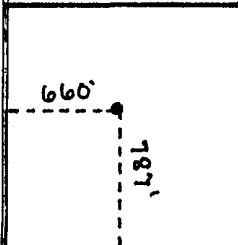
<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	13	20S	38E		787	South	660	West	Lea

<sup>11</sup> 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.			

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

<div data-bbox="103 963 131 987" data-label="Text">16</div> 					<div data-bbox="1089 963 1459 995" data-label="Section-Header"><sup>17</sup> OPERATOR CERTIFICATION</div> <p><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></p> <p><i>Sophie Mackay</i> 05/14/2009 Signature Date</p> <p>Sophie Mackay Printed Name</p>
					<div data-bbox="1040 1432 1487 1470" data-label="Section-Header"><sup>18</sup> SURVEYOR CERTIFICATION</div> <p><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></p> <p>Date of Survey Signature and Seal of Professional Surveyor</p>
					Certificate Number

## District I

1625 N. French Dr., Hobbs, NM 88240

## District II

1301 W. Grand Avenue, Artesia, NM 88201

## 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 &amp; Natural Resources Department

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MAY 18 2009

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CONSERVATION DIVISION

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Santa Fe, NM 87505

Form C-102

Revised October 12, 2005

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State Lease - 4 Copies

Fee Lease - 3 Copies

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## WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-025-34060		2 Pool Code 78760		3 Pool Name House; Tubb	
4 Property Code 26480		5 Property Name Sharps			6 Well Number 001
7 OGRID No. 00873		8 Operator Name Apache Corporation (873)			9 Elevation 3575'

## 10 Surface Location

UL or lot no. M	Section 13	Township 20S	Range 38E	Lot Idn	Feet from the 787	North/South line South	Feet from the 660	East/West line West	County Lea
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## 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.			

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 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>Sophie Mackay</i> 05/14/2009 Signature Date  Sophie Mackay Printed Name
	17				
	18 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 of Survey Signature and Seal of Professional Surveyor  Certificate Number				