

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

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

RECEIVED

Submit to appropriate District Office

MAY 29 2008

☐ AMENDED REPORT

HOBBS OGD

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

¹ Operator Name and Address Apache Corporation 6120 S Yale Ave, Suite 1500 Tulsa, OK 74136-4224		² OGRID Number 00873
³ Property Code 302339		⁴ API Number 30-025-05926
⁵ Property Name L M Lambert		⁶ Well No. 002
⁹ Proposed Pool 1 Monument; Tubb, West (Gas)		¹⁰ Proposed Pool 2

⁷ Surface Location

UL or lot no. G	Section 6	Township 20S	Range 37E	Lot Idn	Feet from the 1980	North/South line North	Feet from the 1980	East/Westline East	County Lea
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⁸ Proposed 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/Westline	County
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Additional Well Information

¹¹ Work Type Code P	¹² Well Type Code G	¹³ Cable/Rotary	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation
¹⁶ Multiple No	¹⁷ Proposed Depth 7000' CIBP	¹⁸ Formation Tubb	¹⁹ Contractor	²⁰ Spud Date OPEN
Depth to Groundwater		Distance from nearest fresh water well		Distance from nearest surface water
Pit: Liner: Synthetic <input type="checkbox"/> milst thick Clay <input type="checkbox"/> Pit Volume: _____ bbls Drilling Method: _____ Closed-Loop System <input type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17-1/2"	12-1/2"	40#	202'	145 sx	
11"	8-5/8"	28#	2402'	750 sx	
7-7/8"	6-5/8"	20#	3816'	125 sx	
Liner	4-1/2"		3797-9867'	720 sx	TOC - 5150' TS

²² 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.

Current Profile: This well is currently producing from the Ellenberger zone.

Grayburg perforations fr/ 3703-3790', squeezed.

McKee perforations fr/ 9568-9765', squeezed.

Ellenberger perforations fr/ 9832-9856', producing.

Apache proposes to recomplete this well to the Tubb via the following procedure:

1. MIRU pulling unit.
2. Set CIBP @ +/- 9800'. Set CIBP @ +/- 9500'. Set CIBP @ +/- 7000'.
3. Run logs for engineer evaluation.
4. Perforate Tubb at interval selected by engineer.
5. Acidize Tubb.
5. Install production equipment.
6. Place well on Tubb production.

Permit Expires 2 Years From Approval
Date Unless Drilling Underway

Plugback

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 the drilling pit will be constructed according to NMOCD 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: 05/22/2008

Phone: (918)491-4864

OIL CONSERVATION DIVISION

Approved by:

Chris Williams

Title: ~~OCD DISTRICT SUPERVISOR/GENERAL MANAGER~~

Approval Date:

Expiration Date:

JUN 05 2008

Conditions of Approval Attached ☐

FIELD NAME	MUNICIPALITY	LEASE NAME	LM LAMBERT	WELL NO	API NO	30-025-05928						
LOCATION	1980 F N L &	1980 F E L SEC	6 UL	G TWP	20S RANGE	37E						
DATUM	[GR]	GL ELEV 3577 TD	9870 PBDT	SPUD DATE	8/1/1936							
CURRENT STATUS	PRODUCING FROM ELLENBURGER											
RECOMMENDATIONS	PROPOSED											
<p>A vertical well diagram on the left side of the page. It shows various depths and zones. Key labels include: Grayburg at 3703-3790, 6114, and 6 5/8; @ 3816; Tubbs zone between 9568 and 9786; Ellenburger zone starting at 9832-56 and continuing down to 3797-9867.</p>	CASING RECORD						LOGGING RECORD					
	HOLE SIZE	SIZE	WT	DEPTH	CMT	TOC	METHOD	Date	CO	TYPE	INTERVAL	
		12 1/2	40	202	145							
		8 5/8	28	2402	750							
		6 5/8	20	3816	125							
		4 1/2		3797-9867	720							
	12 5											
	@ 202	LOG TOPS			PERFORATIONS AND/OR OPENHOLE							
		ZONE	TOP	SS	DATE	ZONE	DEPTH	DENS & SIZE				
					????	Grayburg	3780-3790 (SQZD)					
					Jul-54	Grayburg	3725-3760 (SQZD)					
					Oct-58	Grayburg	3703-3713 (SQZD)	40 holes				
					Nov-61	McKee	9832-9840, 9840-9850,					
					Nov-61	McKee	9568-9786					
	8 625				May-95	McKee	9568-9785					
				Jan-01	Ellenburger	9832-9850						
@ 2402				Jan-02	Ellenburger	9832-9858						
	SQUEEZE & REPAIR											
				DATE	ZONE	WORK DONE						
				Jul-54	Grayburg	SQZD 3780-3790 w/ 300 sxs						
				Oct-58	Grayburg	SQZD 3725-3760 w/ 97 sxs						
				Nov-61	McKee	SET CIBP @ 9812						
				Nov-80	Grayburg	SQZD 3703-3713 w/ 32sxs						
				Jan-01	McKee	Sqzd McKee Perfs w 300 sxs						
@ 3816				Jan-02	McKee	Sqzd McKee w/ 75 sxs						
	Sqz casing leak w/ 500 gals flowcheck @ 6400'											
	STIMULATION											
	DATE	ZONE	AMOUNT & TYPE / METHOD						BEFORE	AFTER		
	Jul-38	Grayburg	2000 gals Dowell XX Acid									
	Feb-40	Grayburg	500 gals Dowell XX Acid									
	Jul-54	Grayburg	250 gals 15 % Acid									
	Jan-58	Grayburg	500 gals 15% acid									
	Nov-61	McKee	DEEPEN well with 5 7/8" bit to 9870									
	Nov-61	McKee	250 gal 15% mud Acid, 1000 gal 15 % frac w/ 5000 gal oil and 2500# 20/40									
	Jan-65	Grayburg	1000 gal 15% acid									
	Jan-01	Ellenburger	acid w/ 2500 gals									
	Jan-02	Ellenburger	1500 gals 15% HCl									
	Jun-08	TUBB	PERFORATE TUBB INTERVAL FORM CNL SELECTION									
PBDT												
REMARKS												
									DATE	5/15/2008		
									UPDATE			

WELL LOCATION AND ACREAGE DEDICATION PLAT

' API Number 30-025-05926		' Pool Code 96968		' Pool Name Monument; Tubb, West (Gas)	
' Property Code 302339		' Property Name L M Lambert			' Well Number 002
' OGRID No. 00873		' Operator Name Apache Corporation			' Elevation 3571' DF

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
G	6	20S	37E		1980	North	1980	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
" Dedicated Acres 160 ✓	" 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.

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. <div> <div><i>A. Mackay</i></div> <div>05/22/2008</div> </div> <div> <div>Signature</div> <div>Date</div> </div> <div>Sophie Mackay</div> <div>Printed Name</div>	
					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. <div></div> <div>Date of Survey</div> <div>Signature and Seal of Professional Surveyor.</div> <div></div> <div>Certificate Number</div>	