

DATE IN <u>3/8/11</u>	SUSPENSE	ENGINEER <u>DKB</u>	LOGGED IN <u>3-8-11</u>	TYPE <u>NSL</u>	APP NO. <u>1106756818</u>
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ABOVE THIS LINE FOR DIVISION USE ONLY

*PTGW*  
*SD - PTGW 1106757280*

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



*APACHE*  
*Low Worther #28*

**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.**

David Catanach  
Print or Type Name

*David Catanach*  
Signature

Agent for Apache Corporation  
Title

3/7/11  
Date

drcatanach@netscape.com  
E-Mail Address

March 7, 2011

**Hand Delivered**

New Mexico Oil Conservation Division  
1220 S. St. Francis Drive  
Santa Fe, New Mexico 87505

Attention: Mr. Daniel Sanchez  
Acting Division Director

Re: Unorthodox Well Location &  
Simultaneous Dedication  
Lou Worthan Well No. 28  
API No. (N/A)  
2310' FNL & 1311' FEL, Unit H  
Section 11, T-22 South, R-37 East, NMPM,  
Lea County, New Mexico

Dear Mr. Sanchez:

Pursuant to Division Rule 19.15.15.13, Apache Corporation ("Apache") respectfully requests administrative approval of an unorthodox oil and gas well location and simultaneous dedication for its proposed Lou Worthan Well No. 28. This well will be drilled as a development gas well in the Blinebry Oil & Gas Pool (Prorated Gas-72480) and a development oil well in the Tubb Oil & Gas (Oil-60240), Drinkard (Oil-19190) and Wantz-Abo (62700) Pools.

In the Blinebry Oil and Gas Pool the proposed Lou Worthan No. 28 and the existing Lou Worthan No. 12 (**API No. 30-025-10221**) **located 1980 feet from the North line and 560 feet from the East line of Section 11**) will be simultaneously dedicated to an existing 40-acre non-standard gas spacing and proration unit comprising the SE/4 NE/4 of Section 11 (approved by Order No. NSP-1937-A npt). Consequently, Apache seeks approval of an unorthodox gas well location and simultaneous dedication for this well in the Blinebry Oil & Gas Pool. (**Note: NSP-1937-A npt established eight 40-acre non-standard gas spacing and proration units in the Blinebry and Tubb Oil & Gas Pools within the N/2 of Section 11.**)

In the Tubb Oil & Gas Pool the proposed Lou Worthan No. 28 will be drilled as a development oil well and dedicated to an existing 40-acre oil spacing and proration unit comprising the SE/4 NE/4 of Section 11. This unit is currently dedicated to the Lou Worthan No. 18 (API No. 025-25568) located 1905 feet from the North line and 860 feet from the East line. Consequently, Apache seeks approval of an unorthodox oil well location for this well in the Tubb Oil & Gas Pool.

In the Drinkard Pool, the proposed Lou Worthan No. 28 will be drilled as a development oil well and dedicated to a standard 40-acre oil spacing and proration unit comprising the SE/4 NE/4 of Section 11. Consequently, Apache seeks approval of an unorthodox oil well location for this well in the Drinkard Pool.

In the Wantz-Abo Pool, the proposed Lou Worthan No. 28 will be dedicated to an existing 40-acre oil spacing and proration unit comprising the SE/4 NE/4 of Section 11. This unit is currently dedicated to the above-described Lou Worthan No. 18. Consequently, Apache seeks approval of an unorthodox oil well location for this well in the Wantz-Abo Pool.

The Blinebry and Tubb Oil & Gas Pools are currently governed by the General Rules and Regulations for the Prorated Gas Pools of New Mexico/Special Rules and Regulations for the Blinebry and Tubb Oil & Gas Pools as established by Order No. R-8170, as amended. These rules require standard 160-acre gas spacing and proration units and 40-acre oil spacing and proration units. Setback requirements for gas wells to which more than 40 acres is dedicated are 660 feet to the outer boundary of the spacing unit or of the quarter section, and 330 feet to any governmental quarter-quarter section. The setback requirement for oil wells and gas wells to which no more than 40 acres is dedicated is 330 feet to the outer boundary of the spacing unit.

The Drinkard and Wantz-Abo Pools are subject to Division Rule 19.19.15.9.

The Lou Worthan No. 28 is being drilled as an infill location between existing Blinebry, Tubb and Drinkard producers. A well at this location should recover additional oil and gas reserves from the target reservoirs that will otherwise not be drained by the existing wells, thereby preventing waste.

In support of the application, the following tables show the offset wells, drainage areas, estimated ultimate oil and gas recoveries, cumulative oil and gas production and current daily oil and gas producing rates (as of 11/2010 unless otherwise noted.) **(Note: drainage areas were calculated from SophiH taken off contoured isopach maps or from log calculations.)**

Operator	Well Name	Unit	Reservoir	SophiH (Ft)	Area (Acres)	EUR (MBO)	EUR (MMCFG)
Apache	Lou Worthan 4, 15	G	Blinebry/Tubb/Drinkard	42	28.5	169	6,194
Apache	Lou Worthan 12,18	H	Blinebry/Tubb/Drinkard	36	62	215	15,847
Chevron	S E Long 7	I	Blinebry/Tubb/Drinkard	16	55	122	4,551
Hendrix & Chevron	S E Long 2,8	J	Blinebry/Tubb/Drinkard	36	69.5	45.7	20,615

Operator	Well Name	Unit	Reservoir	Cum Oil (MBO)	Cum Gas (MMCFG)	Daily Oil (Bbls)	Daily Gas (MCFG)
Apache	Lou Worthan 4	G	Blinebry	135	1,460	16.5	197
Apache	Lou Worthan 15	G	Tubb/Drinkard/Abo	18.7	30,026	1.8	395
Apache	Lou Worthan 12	H	Blinebry	21	3,033	0.9	94
Apache	Lou Worthan 18	H	Tubb/Abo/Granite Wash	39.7	710	1.86	87
Chevron	S E Long 7	I	Blinebry/Tubb/Drinkard/ Granite Wash	18	1,512	10	174
Hendrix	S E Long 2	J	Drinkard	0.145	1,253	0	90
Chevron	S E Long 8	J	Blinebry/Tubb	9.0	1,541	0	39

(S E Long No. 7-Current production is Blinebry/Tubb only)  
 (S E Long No. 8-Current production is Blinebry only. Date of last Blinebry production 6/2009)

Utilizing the average offset drainage areas and SophiH and applying it to the proposed location for the Lou Worthan No. 28 results in an estimated recovery of 44 MBO and 400 MMCF of gas from the Blinebry, Tubb and Drinkard reservoirs.

The affected offset acreage with regards to the unorthodox location in the Blinebry Oil & Gas, Tubb Oil & Gas, Drinkard and Wantz-Abo Pools is the SW/4 NE/4 and NW/4 SE/4 of Section 11. The SW/4 NE/4 of Section 11 is operated by Apache and is contained within the commonly-owned Lou Worthan lease. Within the NW/4 SE/4 of Section 11, the Blinebry, Tubb and Abo producing rights are owned by Chevron Midcontinent, L.P. and/or Chevron U.S.A., Inc., and the Drinkard producing rights are owned by John H. Hendrix Corporation.

With regards to the proposed simultaneous dedication of the Lou Worthan No. 28 in the Blinebry Oil & Gas Pool, Apache is providing notice of this application to all affected offset acreage in the Blinebry Oil & Gas Pool, described as follows:

**Acreage Description**

**Operator**

NW/4, N/2 NE/4, SW/4 NE/4  
of Section 11, T-22S, R-37E

Apache Corporation  
**(Lou Worthan Lease)**

SE/4 of Section 11, T-22S, R-37E

Chevron Midcontinent, L.P.  
Chevron U.S.A., Inc.  
John H. Hendrix Corporation

SW/4 of Section 11, T-22S, R-37E

John H. Hendrix Corporation

S/2 of Section 2, T-22S, R-37E

Exxon Mobil Corporation

SW/4 of Section 1, T-22S, R-37E

John H Hendrix Corporation

W/2 of Section 12, T-22S, R-37E

John H. Hendrix Corporation

Please note that Apache Corporation owns 100% of the working interest in the Lou Worthan Lease comprising the N/2 of Section 11.

In summary, approval of the application will provide Apache Corporation the opportunity to recover additional oil and gas reserves from the Blinebry, Tubb, Drinkard and Abo formations underlying the SE/4 NE/4 of Section 11 that may otherwise not be recovered by the existing producing wells, thereby preventing waste, and will not violate correlative rights.

If you should have any questions, please call me at (505) 690-9453.

Sincerely,



David Catanach, Agent  
Apache Corporation  
6120 S. Yale  
Suite 1500  
Tulsa, Oklahoma 74136

Xc: OCD-Hobbs

**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 & Natural Resources Department  
**OIL CONSERVATION DIVISION**  
 1220 South St. Francis Dr.  
 Santa Fe, NM 87505

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

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number N/A	Pool Code 72480	Pool Name Blinebry Oil & Gas Pool (Prorated Gas)
Property Code	Property Name Lou Worthan	Well Number 28
OGRID No. 873	Operator Name Apache Corporation	Elevation 3342

**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	11	22 South	37 East		2310'	North	1311'	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	Consolidate Code	Order No. NSP-1937-A npt approved a 40-acre non-standard gas unit in the Blinebry Oil & Gas Pool comprising the SE/4 NE/4 to be dedicated to the Lou Worthan No. 12.						

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

						1980'	<p><b>OPERATOR CERTIFICATION</b></p> <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 bottomhole 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>Signature _____ Date _____</p> <p>Printed Name _____</p> <p>E-mail Address _____</p>
						2310'	
						560'	
						1311'	
						<p>Lou Worthan 12 Blinebry (Gas)</p> <p>Lou Worthan 28 (Proposed Well)</p>	<p><b>SURVEYOR CERTIFICATION</b></p> <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 _____</p> <p>Signature and Seal of Professional Surveyor: _____</p> <p>Certificate Number _____</p>

March 7, 2011

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

TO: OFFSET OPERATORS

Re: Apache Corporation  
Unorthodox Well Location & Simultaneous Dedication  
Lou Worthan No. 28  
2310' FNL & 1311' FEL (Unit H)  
Section 11, T-22 South, R-37 East, NMPM,  
Blinebry & Tubb Oil & Gas, Drinkard & Wantz-Abo Pools  
Lea County, New Mexico

Ladies and Gentlemen:

Enclosed please find a copy of the application filed by Apache Corporation for authorization to drill its Lou Worthan No. 28 at an unorthodox oil well location in the Tubb Oil and Gas, Drinkard and Wantz-Abo Pools, and an unorthodox gas well location in the Blinebry Oil & Gas Pool 2310 feet from the North line and 1311 feet from the East line (Unit H) of Section 11, Township 22 South, Range 37 East, NMPM, Lea County, New Mexico. It is proposed to simultaneously dedicate an existing 40-acre non-standard gas spacing and proration unit in the Blinebry Oil & Gas Pool comprising the SE/4 NE/4 of Section 11 to the Lou Worthan No. 28 and to the existing Lou Worthan No. 12 (API No. 30-025-10221) located 1980 feet from the North line and 560 feet from the East line.

As the owner of an interest that may be affected by the proposed unorthodox well location and simultaneous dedication, you are being provided notice as per Division rules and regulations. Objections must be filed in writing at the Division's Santa Fe office within 20 days from the date this notice was sent to you. If no objection is received within twenty days after the filing of this application and proof of notice with the Division, the application may be approved.

If you should have any questions, please call me at (505) 690-9453.

Sincerely,



David Catanach  
Agent-Apache Corporation  
6120 S. Yale  
Suite 1500  
Tulsa, Oklahoma 74136

Enclosure

**Notice List**  
**Apache Corporation**  
**Application for Unorthodox Well Location & Simultaneous Dedication**  
**Lou Worthan No. 28**  
**2310' FNL & 1311' FEL (Unit H) Section 11, T-22 South, R-37 East, NMPM**

John H. Hendrix Corporation  
Box 3040  
Midland, Texas 79702-3040

Chevron U.S.A., Inc.  
Chevron Midcontinent, L.P.  
Box 36366  
Houston, Texas 77236

Exxon Mobil Corporation  
Box 4721  
Houston, Texas 77210-4721

US Postal Service  
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HOUSTON TX 77210  
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Certified Fee	\$ 2.80	03
Return Receipt Fee (Endorsement Required)	\$ 2.30	
Restricted Delivery Fee (Endorsement Required)	\$ 0.00	
<b>Total Postage &amp; Fees</b>	<b>\$ 6.15</b>	<b>03/08/2011</b>

Sent to  
 Street, Apt. No.,  
 or PO Box No. *Exxon Mobil Corporation*  
*Box 4781*  
 City, State, Zip+4 *Houston, Texas 77210-4781*

PS Form 3800, August 2006 See Reverse for Instructions

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HIGHLAND TX 79702  
**OFFICIAL USE**

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Certified Fee	\$ 2.80	03
Return Receipt Fee (Endorsement Required)	\$ 2.30	
Restricted Delivery Fee (Endorsement Required)	\$ 0.00	
<b>Total Postage &amp; Fees</b>	<b>\$ 6.15</b>	<b>03/08/2011</b>

Sent to  
 Street, Apt. No.,  
 or PO Box No. *John H. Hendrix Corporation*  
*Box 3040*  
 City, State, Zip+4 *Midland, Texas 79702-3040*

PS Form 3800, August 2006 See Reverse for Instructions

US Postal Service  
**CERTIFIED MAIL RECEIPT**  
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Restricted Delivery Fee (Endorsement Required)	\$ 0.00	
<b>Total Postage &amp; Fees</b>	<b>\$ 6.15</b>	<b>03/08/2011</b>

Sent to  
 Street, Apt. No.,  
 or PO Box No. *Cherron USA, Inc. - Cherron Midcontinent*  
*Box 36366*  
 City, State, Zip+4 *Houston, Texas 77236*

PS Form 3800, August 2006 See Reverse for Instructions