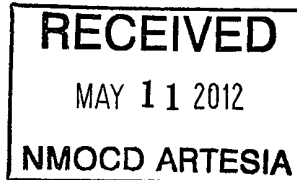


District I
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District II
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Phone (575) 748-1283 Fax (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone (505) 334-6178 Fax (505) 334-6170
District IV
1220 S St. Francis Dr., Santa 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 December 16, 2011

Permit



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

¹ Operator Name and Address Apache Corporation 303 Veterans Airpark Ln., #3000, Midland, TX 79705		² OGRID Number 873
⁴ Property Code 38598		³ API Number 30-015-38977
⁵ Property Name Apache State SWD		⁶ Well No 1

⁷ Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
B	36	17 S	30 E		660	North	1980	East	Eddy

⁸ Pool Information

SWD; Devonian	96/01
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Additional Well Information

⁹ Work Type D	¹⁰ Well Type S	¹¹ Cable/Rotary R	¹² Lease Type S	¹³ Ground Level Elevation 3,625'
¹⁴ Multiple Yes	¹⁵ Proposed Depth 14,250'	¹⁶ Formation SWD; Dev. & Ell.	¹⁷ Contractor	¹⁸ Spud Date upon approval
Depth to Ground water >50'		Distance from nearest fresh water well 5,120'		Distance to nearest surface water >1/2 mi.

¹⁹ Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf.	17-1/2"	13-3/8"	48	491'	520 sx	GL
Int.	12-1/4"	9-5/8"	40	4,490'	1,475 sx	GL
Prod.	8-3/4"	7"	26	9,704'	1,490 sx	GL
Liner	6-1/8"	4-1/2"	13.5	13,500'	600 sx	8,000'
	3-3/4"	open hole		14,250'		

Casing/Cement Program: Additional Comments

Will drill out CIBP @ 8250', deepen well, and complete as SWD.
--

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Hydril	5,000	5,000	Weatherford

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 <input type="checkbox"/> , a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> . Signature:		OIL CONSERVATION DIVISION Approved By:	
Printed name: Brian Wood		Title:	
Title: Consultant		Approved Date: 5/14/2012	Expiration Date: 5/14/2014
E-mail Address: brian@permitswest.com			
Date: May 7, 2012	Phone: (505) 466-8120	(Conditions of Approval Attached)	

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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 August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-38977	² Pool Code 96101	³ Pool Name SWD; Devonian
⁴ Property Code 38598	⁵ Property Name Apache State SWD	
⁷ OGRID No. 873	⁸ Operator Name Apache Corporation	⁶ Well Number 1
		⁹ Elevation 3625

¹⁰ Surface Location

UL or lot no. B	Section 36	Township 17 S	Range 30 E	Lot Idn	Feet from the 660	North/South line North	Feet from the 1980	East/West line East	County Eddy
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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
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¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

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. Signature Date 5-3-12 Printed Name Brian Wood E-mail Address brian@permitswest.com	
	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. Dec. 28, 2010 Date of Survey Signature and Seal of Professional Surveyor Original survey by Ronald J. Eidson on file with NMOCDCertificate Number 3239	

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Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-38977	² Pool Code 96103	³ Pool Name SWD; Ellenburger
⁴ Property Code 38598	⁵ Property Name Apache State SWD	
⁷ OGRID No. 873	⁸ Operator Name Apache Corporation	⁶ Well Number 1 ⁹ Elevation 3625

¹⁰ Surface Location									
UL or lot no. B	Section 36	Township 17 S	Range 30 E	Lot Idn	Feet from the 660	North/South line North	Feet from the 1980	East/West line East	County Eddy

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	¹³ Joint or Infill	¹⁴ Consolidation Code		¹⁵ Order No.					

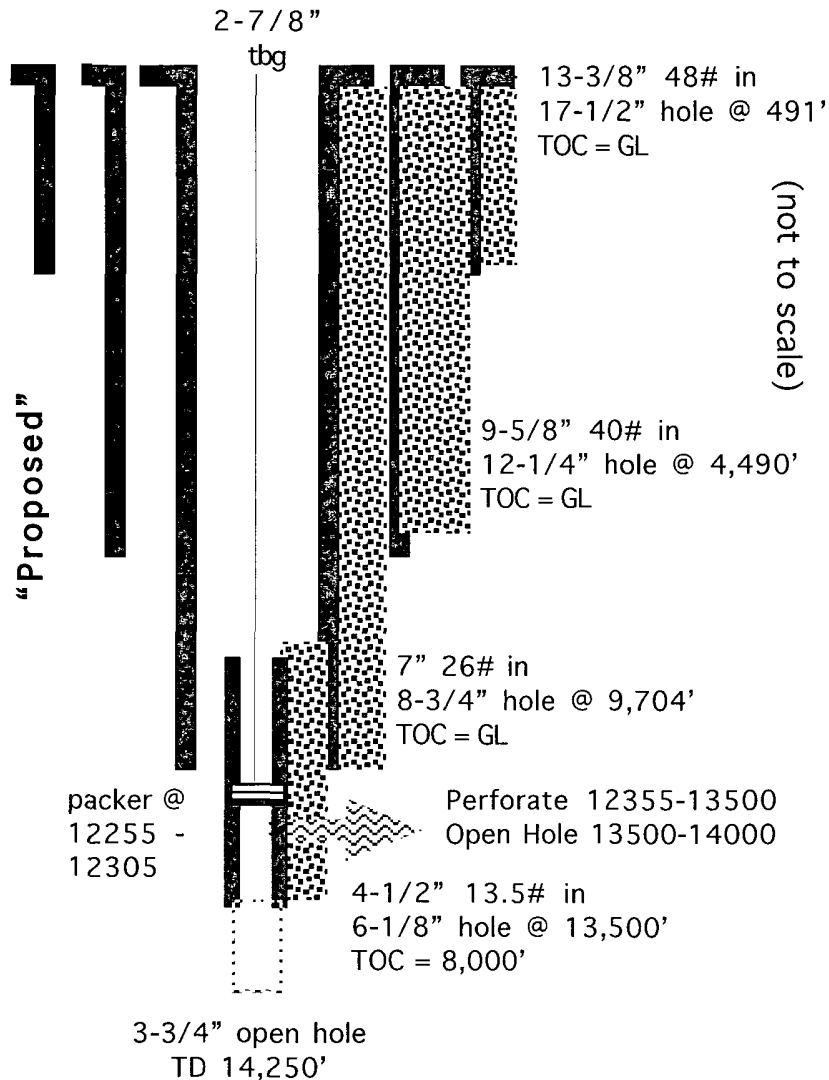
No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

¹⁶ 	¹⁷ OPERATOR CERTIFICATION <i>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> Signature Date 5-3-12	
	Printed Name Brian Wood	
	E-mail Address brian@permitswest.com	
	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> <div style="text-align: right;">Dec. 28, 2010</div> Date of Survey Signature and Seal of Professional Surveyor Original survey by Ronald J. Eidson on file with NMOCD	
Certificate Number 3239		

INJECTION WELL DATA SHEET

OPERATOR: APACHE CORPORATIONWELL NAME & NUMBER: APACHE STATE SWD #1

WELL LOCATION: 660 FNL & 1980 FEL B 36 17 S 30 E
FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATICWELL CONSTRUCTION DATASurface Casing

Hole Size: 17-1/2" Casing Size: 13-3/8"
 Cemented with: 520 sx. or 686 ft³
 Top of Cement: SURFACE Method Determined: VISUAL

Intermediate Casing

Hole Size: 12-1/4" Casing Size: 9-5/8"
 Cemented with: 1,475 sx. or 3,613 ft³
 Top of Cement: SURFACE Method Determined: VISUAL

Production Casing

Hole Size: 8-3/4" Casing Size: 7"
 Cemented with: 1,490 sx. or 2,784 ft³
 Top of Cement: SURFACE Method Determined: CBL
 Total Depth: 14,250' (long string set @ 9704')

Injection Interval

12,355' feet to 14,000'

(Perforated or Open Hole; indicate which)
 perforated 12355-13500 & open 13500-14000

5-14-2012

Conditions of Approval: 

30-015-38977

Injection authority for the SWD;Wolfcamp-Cisco pool expired on 5-1-12. Administrative Order SWD-1271 must be reinstated or reapplied for in order to inject into this zone.

SWD approval must be obtained for SWD;Ellenburger and/or SWD:Devonian pools prior to injecting into well.

NMOCD District Office II must be notified to witness initial MIT before injecting into any pool. Contact Richard Inge @ (575) 748-1283 ext 107.