State of New Mexico

Form C-101 Permit 132016

Energy, Minerals and Natural Resources

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

APPLICATION FOR	PERMIT TO DRILL	. RE-ENTER.	DEEPEN.	PLUGBACK.	OR ADD A ZONE
	TITLE I O DIGITE	THE PROPERTY.		I DO OD LOTE	OIL LIDD II LOIL

APA	r Name and Address CHE CORP	OGRID Number 873		
	rans Airpark Lane nd, TX 79705	3. API Number 30-015-39065		
4. Property Code 309164	5. Property Name EMPIRE ABO UNIT	6. Wett No. 405		

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
В	33	17S	28E	В	1210	N	2500	E	EDDY

8. Pool Information

EMPIRE: ABO	22040
LIVII IIC, ABO	22040

Additional Well Information

	Value of the second sec	.Idditional II cir Intoll	IIIIIII		
9. Work Type New Well	10. Well Type OIL	11. Cable Rotary	12. Lease Type State	13. Ground Level Elevation 3673	
14. Multiple N	ple 15. Proposed Depth 16. Form 6400 Ab		17. Contractor	18. Spud Date	
Depth to Ground	water	Distance from nearest fresh water	r well	Distance to nearest surface water	
Liner: Synthetic Closed Loop Syste	mils thick	Clay Pit Volume: bbl	s Drilling Method: Fresh Water X Brine I	Diesel/Oil-based Gas/Air	

19. Proposed Casing and Cement Program

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	12.25	8.625	24	500	360	
Prod	7.875	5.5	17	6400	1080	

Casing/Cement Program: Additional Comments

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer						
Hydril	3000	2000							

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	OIL CONSERVATION DIVISION Approved By: Randy Dade				
NMOCD guidelines , a general permit , or an (attached) alternative OCD-approved plan .					
Printed Name: Electronically filed by Bobby Smith	Title: District Supervisor				
Title:	Approved Date: 5/24/2011 Expiration Date: 5/24/2013				
Email Address: bobby.smith@apachecorp.com	The state of the s				
Date: 5/23/2011 Phone: 432-818-1020	Conditions of Approval Attached				

District I

1625 N. French Dr., Hobbs, NM 88240 Phone:(505) 393-6161 Fax:(505) 393-0720

District L

1301 W. Grand Ave., Artesia, NM 88210 Phone:(505) 748-1283 Fax:(505) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico

Form C-102 Permit 132016

Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-015-39065	2. Pool Code 22040	3. Pool Name EMPIRE: ABO	
4. Property Code 309164	5. Property Name EMPIRE ABO UI	6. Well No.	
7. OGRID No. 873	8. Operator Name APACHE COR	9. Elevation 3673	

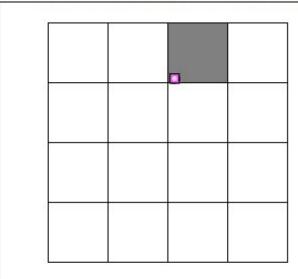
10. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
В	33	17S	28E	1	1210	N	2500	E	EDDY

11. Bottom Hole Location If Different From Surface

UL - Lot	Section	Township	Range	Lot	Idn	Feet From	N/S Lin	ne .	Feet From	E/W Line	County
0.000	cated Acres	13.	Joint or Infill		14. Consolidation C		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



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(s) 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.

E-Signed By: Bobby Smith

Title:

Date: 5/23/2011

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.

Surveyed By: RONALD EIDSON

Date of Survey: 5/3/2011 Certificate Number: 3239

Permit Comments

Operator: APACHE CORP , 873 Well: EMPIRE ABO UNIT #405

API: 30-015-39065

Created By	Comment	Comment Date		
pkautz	Submitted for Lea CountyResubmit for Eddy County	5/19/2011		
Artesia	Land P/S	5/23/2011		

Permit Conditions of Approval

Operator: APACHE CORP , 873 Well: EMPIRE ABO UNIT #405

API: 30-015-39065

OCD Reviewer	Condition
Artesia	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string