

State of New Mexico
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

1. Operator Name and Address CHESAPEAKE OPERATING, INC. P. O. BOX 18496 OKLAHOMA CITY, OK 731540496		2. OGRID Number 147179
		3. API Number 30-025-38542
4. Property Code 34007	5. Property Name JORDAN 12 STATE	6. Well No. 005

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
M	12	10S	32E	M	990	S	330	W	LEA

8. Pool Information

MESCALERO,UPPER PENN, NORTH	45750
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Additional Well Information

9. Work Type New Well	10. Well Type OIL	11. Cable/Rotary	12. Lease Type State	13. Ground Level Elevation 4219
14. Multiple N	15. Proposed Depth 10000	16. Formation Strawn	17. Contractor	18. Spud Date 7/13/2007
Depth to Ground water 150		Distance from nearest fresh water well > 1000		Distance to nearest surface water > 1000
Pit: Liner: Synthetic <input checked="" type="checkbox"/> 12 miles thick Clay <input type="checkbox"/> Pit Volume: 12129 bbls Drilling Method: Closed Loop System <input type="checkbox"/> Fresh Water <input checked="" type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

19. Proposed Casing and Cement Program

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	400	365	0
Int1	11	8.625	32	3500	800	400
Prod	7.875	5.5	17	10000	800	7000

Casing/Cement Program: Additional Comments

13 3/8 Surface 48# H-40 set @ 400. Cmntd w/265 sx CL C + 4% gel, tail in w/100 sx CL C + 1% CaCl2, 1.34 yld. 8 5/8 inter 32# J-55 csg set @ 3500. Cmntd w/600 sx 50:50 Poz C + 5% CaCl2 + 10% gel, tail in w/200 sx CL C + 1% CaCl2, 1.34 yld. 5 1/2 prod 17# L-80 csg set @ 10000. Cmntd w/400 sx LW Poz C + 1% FLA, tail in w/400 sx 50:50 Poz H, 160 sx CL H, 1.18 yld.

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	5000	5000	
DoubleRam	5000	5000	

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 NMOCB guidelines <input checked="" type="checkbox"/> a general permit <input type="checkbox"/> or an (attached) alternative OCB-approved plan <input type="checkbox"/>. Printed Name: Electronically filed by Brenda Coffman Title: RegulatoryComp. Spec. Email Address: bcoffman@chkenergy.com Date: 7/10/2007 Phone: 817-556-5825	OIL CONSERVATION DIVISION	
	Approved By: Paul Kautz	
	Title: Geologist	
	Approved Date: 7/11/2007	Expiration Date: 7/11/2008
	Conditions of Approval Attached	

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

District II
 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

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Form C-102
 Permit 56627

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-025-38542	2. Pool Code 45750	3. Pool Name MESCALERO,UPPER PENN, NORTH
4. Property Code 34007	5. Property Name JORDAN 12 STATE	6. Well No. 005
7. OGRID No. 147179	8. Operator Name CHESAPEAKE OPERATING, INC.	9. Elevation 4219

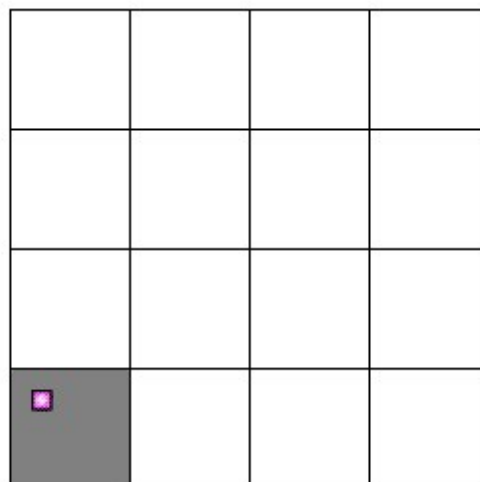
10. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
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11. Bottom Hole Location If Different From Surface

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
12. Dedicated Acres 40.00		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



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: Brenda Coffman
 Title: RegulatoryComp. Spec.
 Date: 7/10/2007

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: Gary Eidson
 Date of Survey: 10/31/2006
 Certificate Number: 12641

Permit Conditions of Approval

Operator: CHESAPEAKE OPERATING, INC. , 147179

Well: JORDAN 12 STATE #005

API: 30-025-38542

OCD Reviewer	Condition
pkautz	Pit construction and closure must satisfy all requirements of your approved plan, D.C.D. Rule 19.15.2.50, and the Pit and Below-Grade Tank Guidelines