

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. PO Box 11050 Midland, TX 79702-8050		2. OGRID Number 147179
		3. API Number 30-025-37489
4. Property Code 301465	5. Property Name R E COLE	6. Well No. 004

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
N	16	22S	37E	N	460	S	2310	W	LEA

8. Pool Information

PENROSE SKELLY,GRAYBURG	50350
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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 3375
14. Multiple N	15. Proposed Depth 4050	16. Formation Grayburg	17. Contractor	18. Spud Date 10/20/2005
Depth to Ground water 70		Distance from nearest fresh water well 300		Distance to nearest surface water 1000
Pit: Liner: Synthetic ☒ 12 _____ miles thick Clay ☐ Pit Volume: 5129 _____ bbls Drilling Method: Closed Loop System ☐ Fresh Water ☒ Brine ☐ 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	11	8.625	24	350	130	0
Prod	7.875	5.5	15.5	4050	542	0

Casing/Cement Program: Additional Comments

8 5/8" 130 sx of 25.75 Poz C + additives; 5 1/2" Lead 258 sx of 50.50 Poz C + additives Tail 284 sx of 50.50 Poz C + additives.

Proposed Blowout Prevention Program

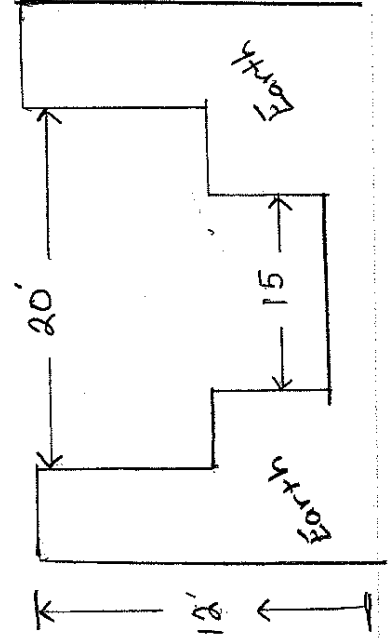
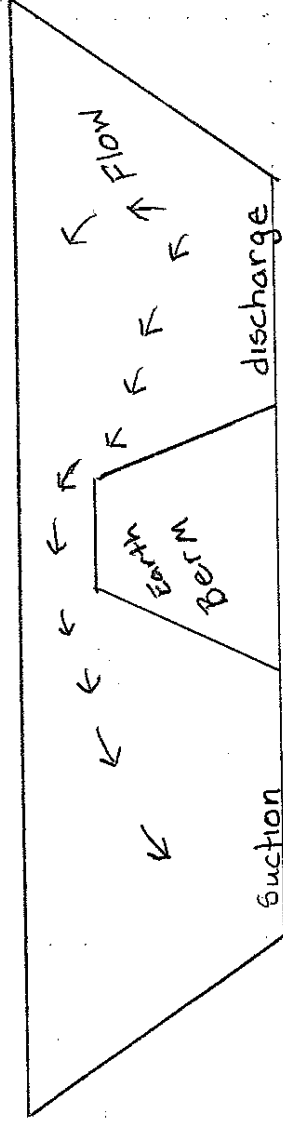
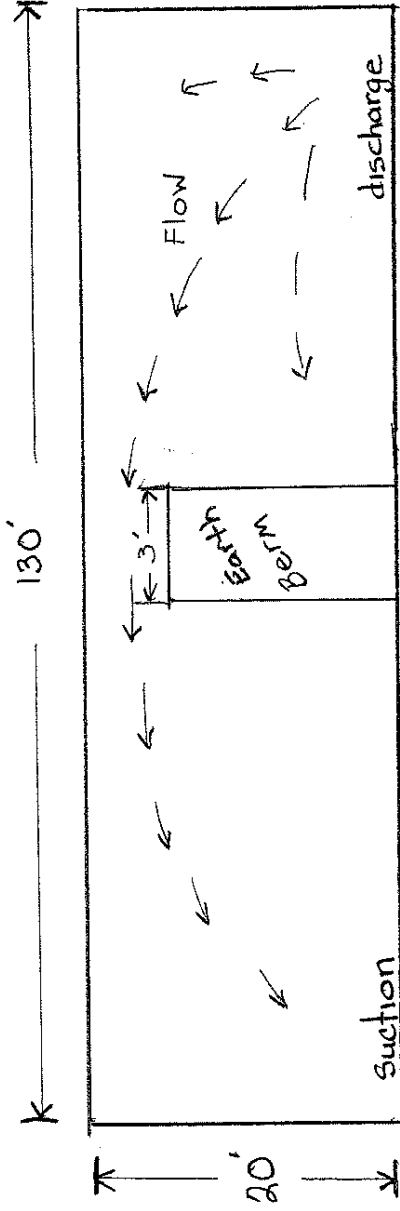
Type	Working Pressure	Test Pressure	Manufacturer
Annular	3000	500	
DoubleRam	3000	3000	

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 ☐ .	OIL CONSERVATION DIVISION	
	Approved By: Paul Kautz	
	Printed Name: Electronically filed by Brenda Coffman	Title: Geologist
	Title: Regulatory Analyst	Approved Date: 10/7/2005 Expiration Date: 10/7/2006
	Email Address: bcoffman@chkenergy.com	
Date: 10/6/2005	Phone: 432-685-4310	

Chesapeake Energy

Single Pit

Guideline 3A



28800 ft³
5129.4 bbls.

End Cross Section

12 mil. woven plastic

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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WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-025-37489	2. Pool Code 50350	3. Pool Name PENROSE SKELLY;GRAYBURG
4. Property Code 301465	5. Property Name R E COLE	6. Well No. 004
7. OGRID No. 147179	8. Operator Name CHESAPEAKE OPERATING, INC.	9. Elevation 3375

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

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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> Surveyed By: Gary Eidson Date of Survey: 7/8/2005 Certificate Number: 12641																	

Permit Conditions of Approval

Operator: CHESAPEAKE OPERATING, INC. , 147179

Well: R E COLE #004

API: 30-025-37489

OCD Reviewer	Condition
pkautz	prior to any pit construction notify Gary Wink at 505-393-6161 ext 114
pkautz	Pit construction and closure must satisfy all requirements of your approved plan, O.C.D. Rule 19.15.2.50, and the Pit and Below-Grade Tank Guidelines