

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 30-025-37524
4. Property Code 35179	5. Property Name BRIGHT 2 STATE COM	6. Well No. 001

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
H	2	10S	33E	H	1700	N	660	E	LEA

8. Pool Information

Wildcat Mississippian (Gas)	0
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Additional Well Information

9. Work Type New Well	10. Well Type GAS	11. Cable/Rotary	12. Lease Type State	13. Ground Level Elevation 4251
14. Multiple N	15. Proposed Depth 12000	16. Formation Mississippi Limestone	17. Contractor	18. Spud Date 10/25/2005
Depth to Ground water 40		Distance from nearest fresh water well > 1000		Distance to nearest surface water > 1000
Pit: Liner: Synthetic ☒ 12 miles thick Clay ☐ Pit Volume: 12129 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	17.5	13.375	48	420	400	0
Int1	12.25	8.625	32	4000	950	0
Prod	7.875	5.5	17	12000	1355	3500

Casing/Cement Program: Additional Comments

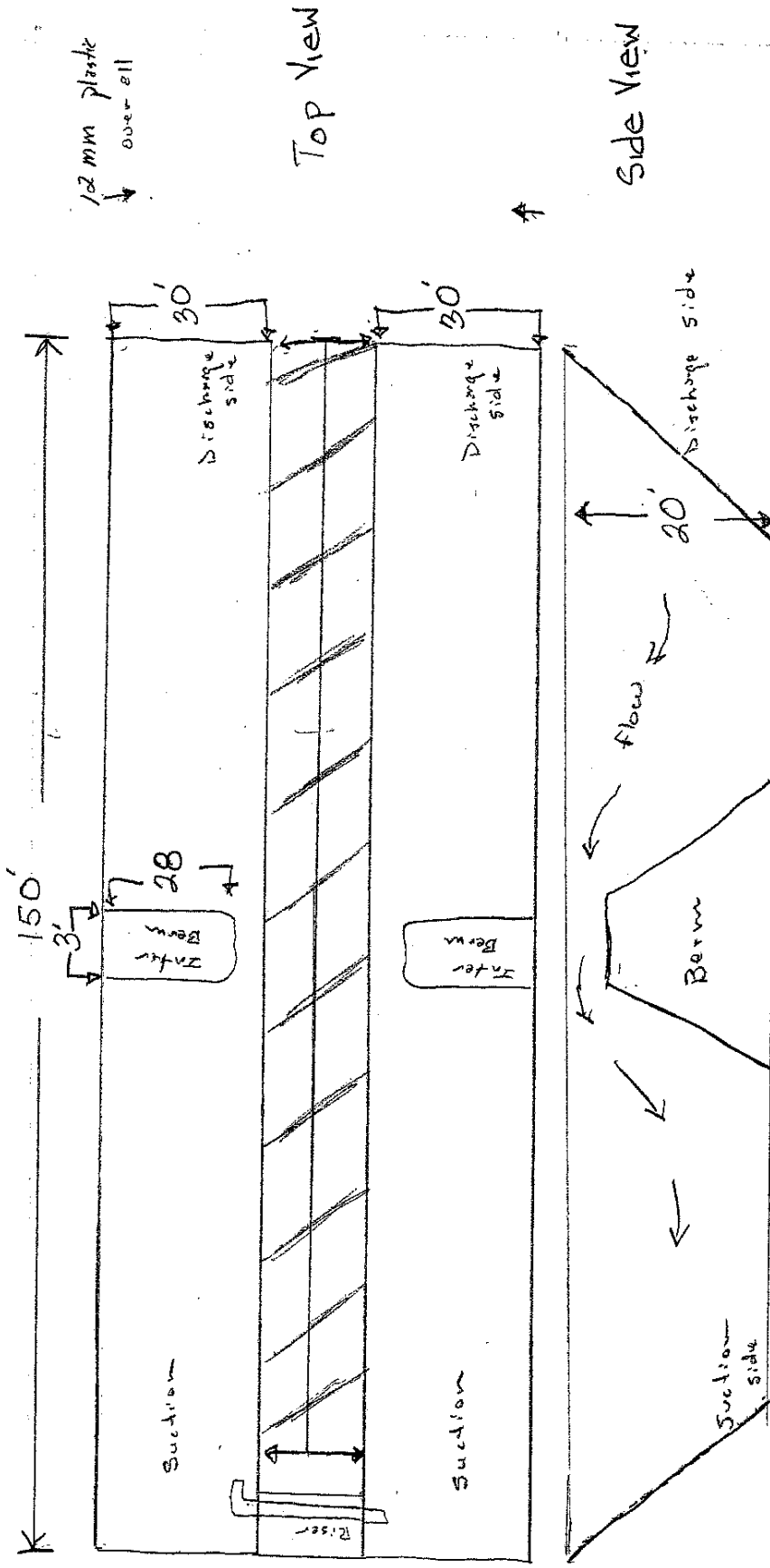
13 3/8" csg: Lead 200 sx Halliburton Light Prem Plus Tail 200 sx Prem. Plus + additives; 8 5/8" csg: Lead 700 sx Interfill C + additives; 250 sx Premium Plus Cmt + additives; 5 1/2" csg: 1st Stage Lead 485 sx Interfill H + additives Tail 150 sx Super H + additives; 2nd stage Lead 620 sx Interfill H + additives Tail 100 sx Prem Cmt + additives

Proposed Blowout Prevention Program

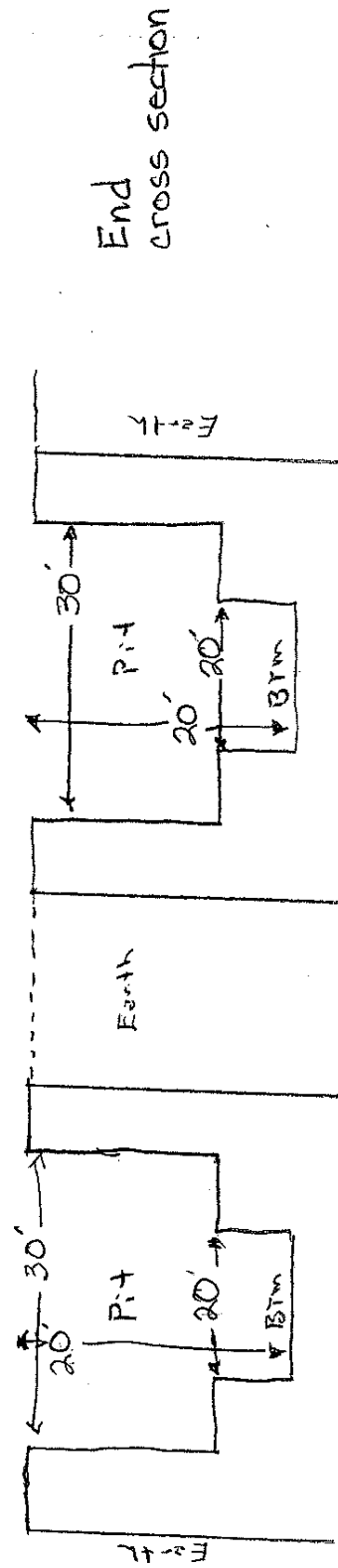
Type	Working Pressure	Test Pressure	Manufacturer
Annular	5000	5000	
DoubleRam	5000	5000	

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 NMOCD guidelines ☒ a general permit ☐ , or an (attached) alternative OCD-approved plan ☐ .	OIL CONSERVATION DIVISION	
	Approved By: Paul Kautz	
	Title: Geologist	
	Approved Date: 10/24/2005	Expiration Date: 10/24/2006
	Conditions of Approval Attached	

Printed Name: Electronically filed by Brenda Coffman	
Title: Regulatory Analyst	
Email Address: bcoffman@chkenergy.com	
Date: 10/21/2005	Phone: 432-685-4310



$3' \times 30' \times 140' = 75600 \text{ ft}^3 \div 5.6146 = 13464.8 \text{ bbls} \times 2 = 26929.7 \text{ bbls}$, with 18' of fluid & cuttings in pits.
 $0' \times 30' \times 140' = 90000 \text{ ft}^3 \div 5.6146 = 16029.6 \text{ bbls} \times 2 = 32059.2 \text{ bbls}$ with 20'



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

State of New Mexico
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 30-025-37524	2. Pool Code	3. Pool Name Wildcat Mississippian (Gas)
4. Property Code 35179	5. Property Name BRIGHT 2 STATE COM	6. Well No. 001
7. OGRID No. 147179	8. Operator Name CHESAPEAKE OPERATING, INC.	9. Elevation 4251

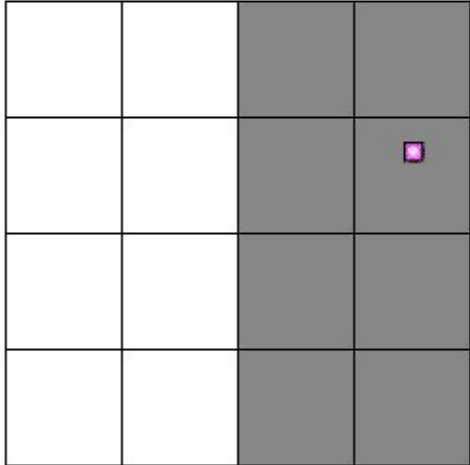
10. Surface Location

UL - Lot H	Section 2	Township 10S	Range 33E	Lot Idn H	Feet From 1700	N/S Line N	Feet From 660	E/W Line E	County LEA
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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 320.08	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>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i> E-Signed By: Brenda Coffman Title: Regulatory Analyst Date: 10/21/2005
	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: 9/29/2005 Certificate Number: 12641

Permit Comments

Operator: CHESAPEAKE OPERATING, INC. , 147179

Well: BRIGHT 2 STATE COM #001

API: 30-025-37524

Created By	Comment	Comment Date
KSHARP	Lesser Prairie Chicken area	10/24/2005

Permit Conditions of Approval

Operator: CHESAPEAKE OPERATING, INC. , 147179

Well: BRIGHT 2 STATE COM #001

API: 30-025-37524

OCD Reviewer	Condition
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
pkautz	prior to any pit construction notify Gary Wink at 505-393-6161 ext 114