

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 HESS CORPORATION P.O. BOX 840 SEMINOLE, TX 79360		2. OGRID Number 495
		3. API Number 30-021-20446
4. Property Code 133	5. Property Name MITCHELL	6. Well No. 031K

7. Surface Location

UL - Lot K	Section 3	Township 18N	Range 30E	Lot Idn K	Feet From 2130	N/S Line S	Feet From 2310	E/W Line W	County HARDING
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8. Pool Information

WEST BRAVO DOME CO2 GAS	96387
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Additional Well Information

9. Work Type New Well	10. Well Type CO2	11. Cable/Rotary	12. Lease Type Private	13. Ground Level Elevation 4398
14. Multiple N	15. Proposed Depth 2210	16. Formation Tubb	17. Contractor	18. Spud Date 6/25/2007
Depth to Ground water 73		Distance from nearest fresh water well > 1000		Distance to nearest surface water > 1000
Pit: Liner: Synthetic ☒ 12 _____ miles thick Clay ☐ Pit Volume: 850 _____ 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	12.25	8.625	24	750	400	0
Prod	7.875	4.5	11.6	2210	350	0

Casing/Cement Program: Additional Comments

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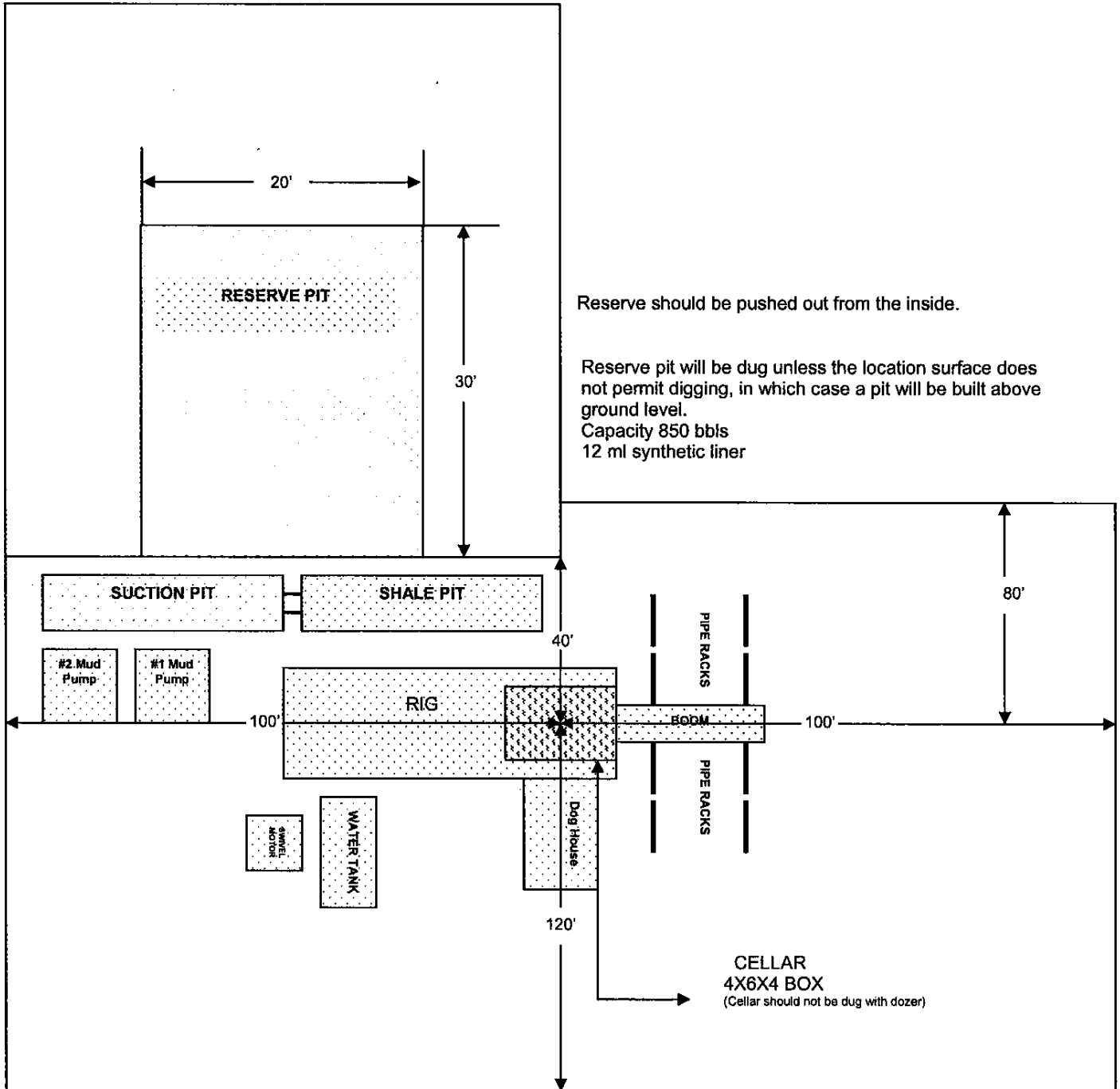
Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	2000	2000	SHAFFER

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 ☐ . Printed Name: Electronically filed by Carol Moore Title: Senior Advisor, Regulatory Email Address: cmoore@hess.com Date: 6/19/2007	OIL CONSERVATION DIVISION	
	Approved By: Ed Martin	
	Title: District Supervisor	
	Approved Date: 6/25/2007 Expiration Date: 6/25/2008	
	Phone: 432-758-6738	



LOCATION SPECIFICATION AND RIG LAYOUT FOR STEEL PITS (PICTURE NOT TO SCALE)



Cellar can be 4X4X4 if using a screw-on wellhead

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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Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-021-20446	2. Pool Code 96387	3. Pool Name WEST BRAVO DOME CO2 GAS
4. Property Code 133	5. Property Name MITCHELL	6. Well No. 031K
7. OGRID No. 495	8. Operator Name HESS CORPORATION	9. Elevation 4398

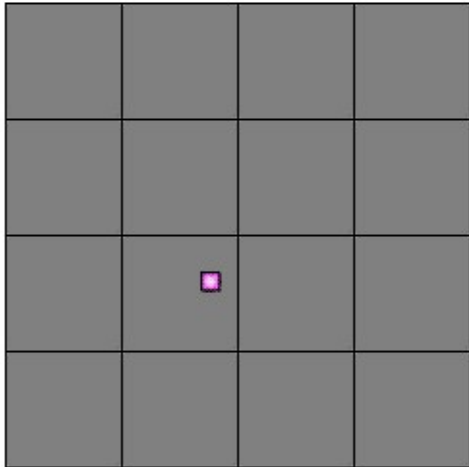
10. Surface Location

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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 641.32	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, 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.</i> E-Signed By: Carol Moore Title: Senior Advisor, Regulatory Date: 6/19/2007 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 JONES Date of Survey: 5/15/2007 Certificate Number: 7977
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