

**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 BTA OIL PRODUCERS 104 S PECOS MIDLAND , TX 79701		2. OGRID Number 3002
		3. API Number 30-025-37710
4. Property Code 2349	5. Property Name SUNRAY A 6822 LTD	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
G	6	09S	33E	G	1980	N	1650	E	LEA

**8. Pool Information**

Wildcat Morrow	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 4279
14. Multiple N	15. Proposed Depth 12200	16. Formation Morrow	17. Contractor	18. Spud Date
Depth to Ground water 40		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: 6500 _____ 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	400	0
Int1	12.25	9.625	40	4000	1300	0
Prod	8.75	5.5	17	12200	1600	3500

**Casing/Cement Program: Additional Comments**

BTA proposes to drill and test the Morrow/intermediate formations. Approximately 400' of surface casing will be set and cement circulated. Intermediate casing will be set at 4000', cement circulated to surface. If commercial, production casing will be run, cemented, perforated, and stimulated as needed to gain production. Mud Program: 0-400 FW Gel/Paper; 400-2050 FW; 2050-4000 Red Bed Mud/Oil; 4000-7600 Cut Brine; 760-11150 SGel/Starch; 11150-TD SW/Starch/4-6% KCL.

**Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
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 <input checked="" type="checkbox"/> , a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .	OIL CONSERVATION DIVISION	
	Approved By: Paul Kautz	
	Title: Geologist	
	Approved Date: 2/16/2006	Expiration Date: 2/16/2007
	Email Address: bstuckley@btaoil.com	
	Date: 2/15/2006	Phone: 432-682-3753
Conditions of Approval Attached		

DISTRICT I  
1625 N. FRENCH DR., HOHBS, NM 88240

State of New Mexico  
Energy, Minerals and Natural Resources Department

DISTRICT II  
1301 W. GRAND AVENUE, ARTESIA, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV  
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

OIL CONSERVATION DIVISION  
1220 SOUTH ST. FRANCIS DR.  
Santa Fe, New Mexico 87505

Form C-102  
Revised October 12, 2005  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code 97049	Pool Name X-4 Ranch; Morrow (Gas)
Property Code	Property Name 6822 LTD. SUNRAY -A-	Well Number 4
OGRID No. 003002	Operator Name BTA OIL PRODUCERS	Elevation 4279'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	36	9-S	33-E		1980	NORTH	1650	EAST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 320	Joint or Infill	Consolidation Code	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

<p>GEODETIC COORDINATES NAD 27 NME  Y=907522.2 N X=748809.4 E  LAT.=33°29'31.47" N LONG.=103°31'02.02" W</p>	<p>1980'</p>	<p>1650'</p>	<p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify that the information 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 or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>Pam Inskeep</i> 2/15/06 Signature Date</p> <p>Pam Inskeep Printed Name</p> <p><b>SURVEYOR CERTIFICATION</b></p> <p>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.</p> <p>FEBRUARY 11, 2006</p> <p>Date Surveyed LA</p> <p>Signature &amp; Seal of Professional Surveyor</p> <p><i>Gary Edson</i> 2/13/06 06.14.0330</p> <p>Certificate No. GARY EDSON 12641</p>
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# Permit Conditions of Approval

Operator: BTA OIL PRODUCERS , 3002

Well: SUNRAY A 6822 LTD #004

API: 30-025-37710

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

 The sender of this message has requested a read receipt. [Click here to send a receipt.](#)

**Mull, Donna, EMNRD**

**From:** Phillips, Dorothy, EMNRD  
**To:** Mull, Donna, EMNRD  
**Cc:**  
**Subject:** RE: Financial assurance requirement  
**Attachments:**

**Sent:** Thu 2/16/2006 9:43 AM

Okay on both.

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**From:** Mull, Donna, EMNRD  
**Sent:** Thursday, February 16, 2006 7:52 AM  
**To:** Phillips, Dorothy, EMNRD  
**Subject:** Financial assurance requirement

Dorothy, District I has Intent to drill for

BTA Oil Producers (3002) 30-025-37710  
COG Operating LLC (229137) 30-025-37711

Please let me know if they are OK.

Thanks Donna