

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 SOUTHWESTERN ENERGY PRODUCTION COMPANY 2350 N San Houston Pkwy E Houston, TX 77032		2. OGRID Number 148111
		3. API Number 30-015-34449
4. Property Code 34697	5. Property Name KARLSBAD CORRAL 11 STATE	6. Well No. 003H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
B	11	25S	29E	B	10	N	1980	E	EDDY

8. Pool Information

CORRAL CANYON DELAWARE,NORTHWEST	96464
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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 3065
14. Multiple N	15. Proposed Depth 7600	16. Formation Cherry Canyon	17. Contractor	18. Spud Date 12/1/2005
Depth to Ground water 140		Distance from nearest fresh water well > 1000		Distance to nearest surface water > 1000
Pit: Liner: Synthetic <input checked="" type="checkbox"/> 12 _____ mils thick Clay <input type="checkbox"/> Pit Volume: 10000 _____ bbls Drilling Method: Closed Loop System <input type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input checked="" 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	12.25	9.625	36	750	400	0
Prod	8.75	5.5	17	7600	1500	0

Casing/Cement Program: Additional Comments

We plan to drill 12-¼" hole to 750' with fresh water, run 9-5/8" 36 ppf J-55 casing and set at 750' with 500 sxs cement circulating to surface; drill 8-¾" hole to 7,600' MD with cut brine water, set 5-½" Production casing to TD and cement with sufficient to cover 500 feet above all oil and gas bearing zones.

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	10000	3000	Cameron
Annular	5000	3000	HydriL

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: Bryan Arrant	
	Title: Geologist	
	Approved Date: 12/1/2005	Expiration Date: 12/1/2006
	Printed Name: Electronically filed by Justin Bender	
	Title: Manager	
Email Address: justin_bender@swn.com		
Date: 12/1/2005	Phone: 281-618-4797	

District IIDistrict IIIDistrict IV

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WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-015-34449	2. Pool Code 96464	3. Pool Name CORRAL CANYON DELAWARE,NORTHWEST
4. Property Code 34697	5. Property Name KARLSBAD CORRAL 11 STATE	
6. Well No. 003H	7. OGRID No. 148111	
8. Operator Name SOUTHWESTERN ENERGY PRODUCTION COMPANY	9. Elevation 3065	

10. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
B	11	25S	29E		10	N	1980	E	EDDY

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
G	11	25S	29E	G	2485	N	1980	E	EDDY
12. Dedicated Acres 80.00		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

	<p>OPERATOR CERTIFICATION</p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i></p> <p>E-Signed By: Justin Bender Title: Manager Date: 12/1/2005</p>
	<p>SURVEYOR CERTIFICATION</p> <p><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></p> <p>Surveyed By: ronald eidson Date of Survey: 10/26/2005 Certificate Number: 3239</p>

Permit Comments

Operator: SOUTHWESTERN ENERGY PRODUCTION COMPANY , 148111

Well: KARLSBAD CORRAL 11 STATE #003H

API: 30-015-34449

Created By	Comment	Comment Date
JMBENDER	H2S Comment: We plan to complete this well in the Delaware and do not anticipate cutting any formations during the drilling of this well that contain H2S. Therefore we do not believe an H2S Contingency plan is necessary.	11/14/2005