

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-101
May 27, 2004

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit to appropriate District Office

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

Operator Name and Address Southwestern Energy Production Company 2350 N Sam Houston Parkway E Houston, Tx 77032		OGRID Number 148111
Property Code 36246		Property Name Karlsbad Corral SWD
Proposed Pool 1 SWD; Delaware		Proposed Pool 2

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	11	25-S	29-E	J	2222	South	2646	East	

Proposed 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

Additional Well Information

Work Type Code N	Well Type Code S	Cable/Rotary R	Lease Type Code S	Ground Level Elevation 3093
Multiple N	Proposed Depth 3600	Formation Bell Canyon	Contractor United Drilling	Spud Date 01/15/2007
Depth to Groundwater 140		Distance from nearest fresh water well >1000'		Distance from nearest surface water >1000'
Pit: Liner: Synthetic <input checked="" type="checkbox"/> 12 mils thick Clay <input type="checkbox"/> Pit Volume: 10,000 bbls Drilling Method: Closed-Loop System <input type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input checked="" type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12.25	9.625	36	750	400	Surface
7.875	5.5	17	3600	650	Surface

Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

We plan to drill a 12-1/4" hole to 750' with fresh water, run 9-5/8" 36 ppf J-55 casing and set at 750' with 400 sxs of cement circulating to surface. Drill a 7-7/8" hole to 3600', log and evaluate, then run 5-1/2" 17 ppf N-80 casing and set at 3600' and cement with sufficient cement circulating to surface. Actual cement volume to be determined after review of open hole logs.

BOP's: Type Annular Working Pressure 2000 Test Pressure 1000

H2S Comment: We plan to drill this well in the Delaware and do not anticipate cutting any formations during the drilling of the well that contain H2S. Therefore, we do not believe an H2S contingency plan is necessary

Drill Only - SWD order required to inject

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 ☐.

Signature: Martha A. Howard

Printed name: Martha Howard

Title: Regulatory Analyst

E-mail Address: martha_howard@swn.com

Date: 1.3.2007 Phone: (281) 618-4887

OIL CONSERVATION DIVISION

Approved by:

BRYAN G. ARRANT
DISTRICT II GEOLOGIST

Title:

Approval Date: JAN 04 2007 Expiration Date: JAN 04 2008

Conditions of Approval

NOTIFY OCD TO WITNESS
ALL CASING STRINGS