

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

State of New Mexico  
Energy, Minerals and Natural Resources  
Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505

Form C-101  
Permit 11444

### APPLICATION FOR PERMIT TO DRILL

Operator Name and Address SOUTHWESTERN ENERGY PRODUCTION COMPANY 2350 N San Houston Pkwy E Houston, TX 77032		OGRID Number 148111
		API Number 30-015-34146
Property Code 25212	Property Name NO BLUFF STATE COM	Well No. 007

### Surface Location

UL or Lot E	Section 36	Township 17S	Range 27E	Lot Idn E	Feet From 1450	N/S Line N	Feet From 990	E/W Line W	County Eddy
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### Proposed Pools

RED LAKE; GLORIETA YESO, NORTHEAST 96836
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Work Type New Well	Well Type OIL	Cable/Rotary	Lease Type State	Ground Level Elevation 3585
Multiple N	Proposed Depth 3800	Formation Glorieta Formation	Contractor	Spud Date

### Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	12.25	8.625	32	400	301	0
Prod	7.875	5.5	15.5	3700	645	0

### Casing/Cement Program: Additional Comments

8.625 casing Slurry 305 sacks Class C Cement + 2% bwoc Calcium Chloride + 025 lbs/sack Cello Flake + 56.3% Fresh Water. 5.5 casing Lead Slurry 405 sacks (35:65) Poz (Fly Ash): Class C Cement + 5% bwow Sodium Chloride + 0.25 lbs/sack Cello Flake + 6% bwoc Bentonite + 111.6% Fresh water. Tail Slurry 240 sacks (50:50) Poz (Fly Ash): Class C Cement + 5% bwow Sodium Chloride + 2% bwoc Bentonite + 58.7% Fresh Water.
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### Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	2000	1000	

I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Electronically Signed By: Terry Jasso

Title: Engineer Tech

Date: 05/23/2005

Phone: 281-618-4797

### OIL CONSERVATION DIVISION

Electronically Approved By: Bryan Arrant

Title: Geologist

Approval Date: 06/13/2005

Expiration Date: 06/13/2006

Conditions of Approval:

There are conditions. See Attached.