

1. Operator Name and Address COG OPERATING LLC 550 W TEXAS MIDLAND , TX 79701		2. OGRID Number 229137
		3. API Number 30-015-37787
4. Property Code 38133	5. Property Name EMPIRE STATE SWD	6. Well No. 002

UL - Lot F	Section 9	Township 17S	Range 29E	Lot Idn F	Feet From 1980	N/S Line N	Feet From 1980	E/W Line W	County EDDY
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SWD:CISCO	96099
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9. Work Type New Well	10. Well Type OIL	11. Cable/Rotary	12. Lease Type State	13. Ground Level Elevation 3583
14. Multiple N	15. Proposed Depth 9200	16. Formation Cisco	17. Contractor	18. Spud Date 6/30/2010
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water
Pit: Liner: Synthetic <input type="checkbox"/> mills thick Clay <input type="checkbox"/> Pit Volume: 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"/>				

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	24	20	94	40	400	0
Surf	17.5	13.375	48	450	500	0
Int1	12.25	9.625	36	2500	750	0
Prod	8.75	7	26	9200	1050	0

COG proposes to drill a 24" hole to 40' w/fr mud system, set 20" conductor casing & cement to surf. Drill a 17-1/2" hole to 450' w/fr wtr mud system, wt 8.6-9.2, vis28-34, set 13-3/8" casing & cement to surf. Drill a 12-1/4" hole to 2500' w/cut br mud system, wt 9.8-10.1, vis28-29. Set 9-5/8" casing & cement to surf. Drill 8-3/4" hole to 9200' w/cut br mud system, wt 8.7-9.3, vis28-34. Set 7" casing & cement to surface. A DV tool will be set @ +/- 7000'.

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	2000	2000	

Conditions of Approval Attached

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(505) 393-6161 Fax:(505) 393-0720

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

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

Form C-102
 Permit 111494

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-015-37787	2. Pool Code 96099	3. Pool Name SWD;CISCO
4. Property Code 38133	5. Property Name EMPIRE STATE SWD	6. Well No. 002
7. OGRID No. 229137	8. Operator Name COG OPERATING LLC	9. Elevation 3583

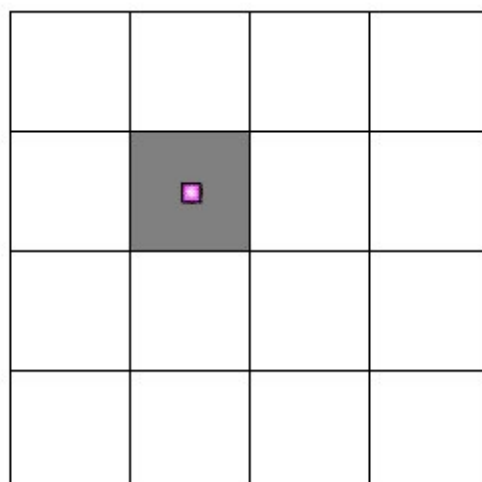
10. Surface Location

UL - Lot F	Section 9	Township 17S	Range 29E	Lot Idn	Feet From 1980	N/S Line N	Feet From 1980	E/W Line W	County EDDY
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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 40.00	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



OPERATOR CERTIFICATION

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.

E-Signed By: Diane Kuykendall
 Title: Regulatory Analyst
 Date: 4/15/2010

SURVEYOR CERTIFICATION

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.

Surveyed By: Ronald Eidson
 Date of Survey: 12/22/2009
 Certificate Number: 3239

Permit Comments

Operator: COG OPERATING LLC , 229137

Well: EMPIRE STATE SWD #002

API: 30-015-37787

Created By	Comment	Comment Date
rodor	H2S concentrations of wells in this area from surface to TD are low enough that a contingency plan is not required.	3/26/2010
rodor	COG Operating LLC respectfully requests to drill this well as a SWD well.	3/26/2010
rodor	Application for SWD submitted 2/26/10	4/15/2010

Permit Conditions of Approval

Operator: COG OPERATING LLC , 229137

Well: EMPIRE STATE SWD #002

API: 30-015-37787

OCD Reviewer	Condition
JVREEVES	BOP must be tested by third party, per District II Supervisor
JVREEVES	Approval is for drilling operations only. SWD Order must be approved by Santa Fe.