

**COG OPERATING LLC**  
550 W. Texas, Suite 1300  
Midland, TX 79701

432-683-7443 P  
432-685-4399 F

October 12, 2005

New Mexico Oil Conservation Division  
District II Office  
Attn: Bryan Arrant  
1301 W. Grand Avenue  
Artesia, NM 88210

**RECEIVED**  
OCT 13 2005  
OCU-ARTESIA

Re: Mosley Canyon 32 State #1  
Eddy Co., NM  
API # 30-015-34250

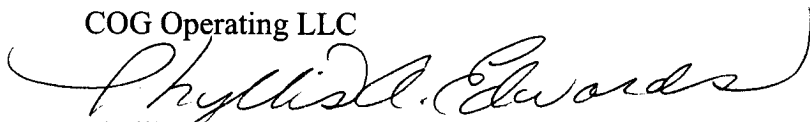
Dear Mr. Arrant,

Here is the information requested before the above mentioned well is spud. I e-mailed these documents to you this AM, but I followed with a hard copy in case you did not receive the e-mail.

Please contact me at 432-685-4340 or e-mail at [pedwards@conchoresources.com](mailto:pedwards@conchoresources.com) if you need anything else.

Sincerely,

COG Operating LLC



Phyllis A. Edwards  
Regulatory Analyst

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October 12, 2005

New Mexico Oil Conservation Division  
District II Office  
Attn: Bryan Arrant  
1301 W. Grand Avenue  
Artesia, NM 88210

RECEIVED  
OCT 13 2005  
JULIA-ARTESIA

Re: H2S Contingency Plan  
Mosley Canyon 32 State #1  
Eddy Co., NM  
API # 30-015-34250

Dear Mr. Arrant,

Sources at COG Operating LLC have relayed information to me that they believe there will not be enough H2S found from the surface to the Morrow formation to meet the OCD's minimum requirements for the submission of a contingency plan per Rule 118.

Please contact me at 432-685-4340 or e-mail at [pedwards@conchoresources.com](mailto:pedwards@conchoresources.com) if you need anything else.

Sincerely,

COG Operating LLC

*Phyllis A. Edwards*

Phyllis A. Edwards  
Regulatory Analyst

**COG Operating LLC  
Mosley Canyon 32 State #1  
990' FNL & 660' FWL  
Sec.32-T23S- R25E  
Eddy County, NM**

1. Casing Program

<u>Hole size</u>	<u>Interval</u>	<u>OD of Casing</u>	<u>Weight</u>	<u>Thread</u>	<u>Collar</u>	<u>Grade</u>
17-1/2"	0' – +/-400'	13-3/8"	48#	8rd	STC	H40
12 1/4"	+/-400' – +/-2600'	8-5/8"	32#	8rd	STC	J-55
7 7/8"	+/-2600' – 11200'	5-1/2"	17#	8rd	LTC	N-80/P110

2. Cementing and Setting Depth

13 3/8"	Surface	+/-400'	Set +/- 400' of 13 3/8" 48# H40 STC casing. Cement w/ 150 sx Class cement + 5# gilsonite + .25# Flocele followed by 200 sx class "C" cement + 2% CaCl <sub>2</sub> . Circulate cement
8 5/8"	Intermediate	+/-2600'	Set +/- 2600' of 8 5/8" 32# J-55 STC casing. Cement w/ 750 sx 50:50 Poz: "C" light cement + 5# gilsonite + .25# Flocele followed by 200 sx Class "C" cement + 2% CaCl <sub>2</sub> . Circulate cement.
5-1/2"	Production	11200'	Set +/- 11100' of 5-1/2" 17# N-80/P110 LTC casing. Cement w/ 500 sx Class "H" plus additives. Est TOC @ +/- 8000'

3. Proposed Mud Circulating System

<u>Interval</u>	<u>Mud Wt.</u>	<u>Visc.</u>	<u>FL</u>	<u>Type Mud System</u>
0'- 400'	8.4-8.8	28-35	NC	Fresh water/air, native mud w/ paper for seepage and sweeps. Lime for PH
400'- 2600'	8.4-8.8	28-35	NC	Fresh water/air, native mud w/ paper for seepage and sweeps. Lime for PH,
2600'- 4700'	8.4- 8.6	28-35	NC	Fresh water, lime for PH and paper for seepage and sweeps.
4700' – 8200'	8.6-9.2	NC	NC	Drill section with fresh water/cut brine circulating the reserve utilizing periodic sweeps of paper as needed for seepage control and solids removal.
8200' – 9700'	9.2-9.3	NC	NC	Increase weight with brine additions and utilize periodic sweeps of paper as needed for seepage control and solids removal.

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Mosley Canyon 32 State #1  
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Eddy County, NM

9700' – 10300'	9.3 – 9.4	36-42	15cc	Increase weight with brine additions and mud up with starch and XCD polymer circulating through steel pits.
10300' – 11200'	9.4 – 9.5	36-42	<8	Reduce Fluid loss w/ starch and XCD Polymer. Maintain properties to TD. Spot a high vis pill on bottom for logs.