

**EOG RESOURCES, INC.**  
**PYTHON 36 STATE COM #704H**

**Permit Information:**

Well Name: Python 36 State Com #704H

**Location:**

SHL: 590' FSL & 1,765' FWL, Section 36, T-24-S, R-32-E, Lea Co., N.M.

BHL: 100' FNL & 1,870' FWL, Section 36, T-24-S, R-32-E, Lea Co., N.M.

**Design A**

**Casing Program:**

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DF <sub>min</sub> Collapse	DF <sub>min</sub> Burst	DF <sub>min</sub> Tension
12.25"	0 – 1,125'	9.625"	40#	J-55	LTC	1.125	1.25	1.60
8.75"	0' – 11,305'	7.625"	29.7#	HCP-110	FXL	1.125	1.25	1.60
6.75"	0'-17,356'	5.5"	17#	HCP-110	LTC	1.125	1.25	1.60

**Cement Program:**

Depth	No. Sacks	Wt. ppg	Yld Ft <sup>3</sup> /sk	Slurry Description
1,125'	1,000	13.5	1.73	Class C + 4.0% Bentonite + 0.6% CD-32 + 0.5% CaCl <sub>2</sub> + 0.25 lb/sk Cello-Flake (TOC @ Surface)
	100	14.8	1.34	Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate
11,305'	600	14.2	1.11	1 <sup>st</sup> Stage (Tail): Class C + 5% Salt + (TOC @ 7,250')
	1,000	12.7	2.30	2 <sup>nd</sup> Stage (Bradenhead squeeze): Class C + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (TOC @ surface)
17,356'	600	14.2	1.31	Class H + 0.1% C-20 + 0.05% CSA-1000 + 0.20% C-49 + 0.40% C-17 (TOC @ 10,805')

**Mud Program:**

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 1,125'	Fresh - Gel	8.6-8.8	28-34	N/c
1,125' – 11,305'	Brine	8.8-10.0	28-34	N/c
11,305' – 11,954'	Oil Base	10.0-11.5	58-68	3 - 6
11,954' – 17,356' Lateral	Oil Base	10.0-11.5	58-68	3 - 6

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**Hydrogen Sulfide Plan Summary**

- A. All personnel shall receive proper H<sub>2</sub>S training in accordance with Onshore Order III.C.3.a.
- B. Briefing Area: two perpendicular areas will be designated by signs and readily accessible.
- C. Required Emergency Equipment:

- Well control equipment
  - a. Flare line 150' from wellhead to be ignited by flare gun.
  - b. Choke manifold with a remotely operated choke.
  - c. Mud/gas separator

- Protective equipment for essential personnel.

Breathing apparatus:

- a. Rescue Packs (SCBA) — 1 unit shall be placed at each breathing area, 2 shall be stored in the safety trailer.
- b. Work/Escapes packs — 4 packs shall be stored on the rig floor with sufficient air hose not to restrict work activity.
- c. Emergency Escape Packs — 4 packs shall be stored in the doghouse for emergency evacuation.

Auxiliary Rescue Equipment:

- a. Stretcher
- b. Two OSHA full body harness
- c. 100 ft 5/8 inch OSHA approved rope
- d. 1-20# class ABC fire extinguisher

- H<sub>2</sub>S detection and monitoring equipment:

The stationary detector with three sensors will be placed in the upper dog house if equipped, set to visually alarm @ 10 ppm and audible @ 14 ppm. Calibrate a minimum of every 30 days or as needed. The sensors will be placed in the following places: Rig floor / Bell nipple / End of flow line or where well bore fluid is being discharged.

(Gas sample tubes will be stored in the safety trailer)

- Visual warning systems.
  - a. One color code condition sign will be placed at the entrance to the site reflecting the possible conditions at the site.
  - b. A colored condition flag will be on display, reflecting the current condition at the site at the time.
  - c. Two wind socks will be placed in strategic locations, visible from all angles.