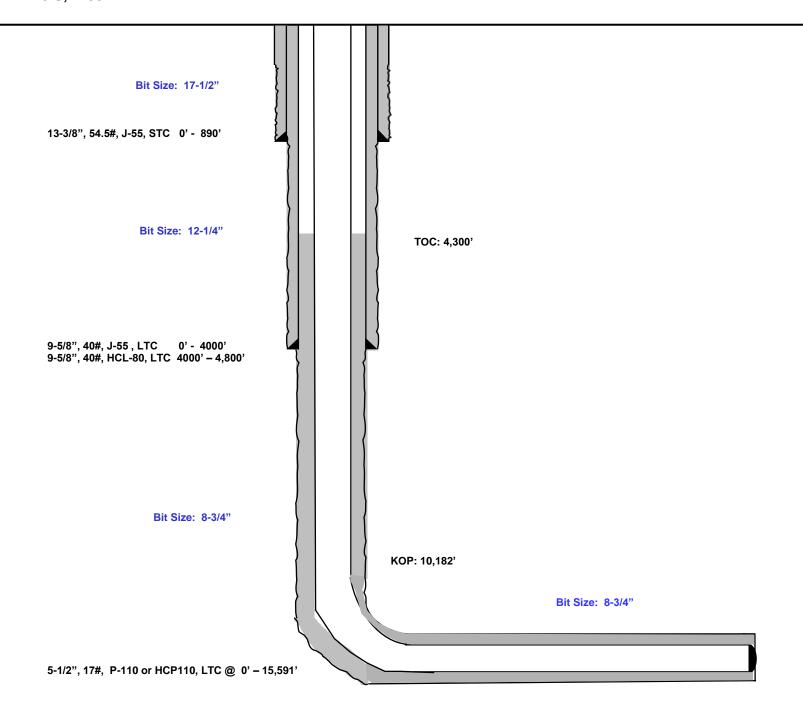
Braswell 16 State #502H Lea County, New Mexico

Proposed Wellbore

249' FNL 1,461' FWL Section 16 T-26-S, R-33-E

API: 30-025-****

KB: 3,303' GL: 3,278'



Lateral: 15,591' MD, 10,655' TVD BH Location: 94' FSL & 1310' FWL Section 16 T-26-S, R-33-E

Permit Information:

Well Name: Braswell 16 State #502H

Location:

SHL: 249' FNL & 1461' FWL, Section 16, T-26-S, R-33-E, Lea Co., N.M. BHL: 94' FSL & 1310' FWL, Section 16, T-26-S, R-33-E, Lea Co., N.M.

Casing Program:

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DF _{min} Collapse	DF _{min} Burst	DF _{min} Tension
17.5"	0' – 890'	13.375"	54.5#	J-55	STC	1.125	1.25	1.60
12.25"	0'-4,000'	9.625"	40#	J-55	LTC	1.125	1.25	1.60
12.25"	4000' – 5085'	9.625"	40#	HCL-80	LTC	1.125	1.25	1.60
8.75"	0'- 15,591'	5.5"	17#	HCP-110	LTC	1.125	1.25	1.60

Cement Program:

	No.	Wt.	Yld	
Depth	Sacks	ppg	Ft ³ /ft	Slurry Description
890'	410	13.5	1.73	Lead: Class C + 4.0% Bentonite + 0.5% CaCl ₂ + 0.25 lb/sk
				Cello-Flake (TOC @ Surface)
	160	14.8	1.34	Tail: Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2%
				Sodium Metasilicate
4,800'	470	9.0	3.5	Lead: Class C + 10% NaCl + 6% Bentonite Gel + 3% MagOx
				(TOC @ Surface)
	320	14.4	1.20	Tail: Class C + 10% NaCl + 3% MagOx
15,591'	1,590	11.0	3.21	Lead: Class C + 3% CaCl2 + 3% Microbond (TOC @ 4,100')
	2,550	14.4	1.2	Tail: Class H + 0.4% Halad-344 + 0.35% HR-601 + 3%
				Microbond

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0' - 890'	Fresh - Gel	8.6-8.8	28-34	N/c
890' – 4,800'	Brine	10.0-10.2	28-34	N/c
4,800' - 10,182'	Cut Brine	8.4-9.0	28-34	N/c
10,182' – 15,591'	Oil Base	9.0-9.5	40-42	8-10
Lateral				

Hydrogen Sulfide Plan Summary

- A. All personnel shall receive proper H2S 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/Escape 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
- H2S 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.

■ Mud program:

The mud program has been designed to minimize the volume of H2S circulated to surface. The operator will have the necessary mud products to minimize hazards while drilling in H2S bearing zones.

■ Metallurgy:

All drill strings, casings, tubing, wellhead, blowout preventer, drilling spool, kill lines, choke manifold and lines, and valves shall be suitable for H2S service.

■ Communication:

Communication will be via cell phones and land lines where available.

Emergency Assistance Telephone List

Public SAFETY:	Emergency Assistance relephone	LIST	
Rod Coffman Fire Department:	PUBLIC SAFETY:		911 or
Fire Department:			(575) 396-3611
Carlsbad Artesia (575) 885-3125 (575) 746-5050 Hospitals: (575) 746-5050 Carlsbad Artesia (575) 748-3333 (575) 748-3333 Hobbs (575) 392-1979 Dept. of Public Safety/Carlsbad (575) 885-3281 Highway Department (575) 885-3281 New Mexico Oil Conservation (575) 476-3440 U.S. Dept. of Labor (575) 887-1174 EOG Resources, Inc. Second Midland EOG / Midland Office (432) 686-3600 Company Drilling Consultants: Second (817) 980-5507 David Dominque Cell (817) 980-5507 Drilling Engineer Steve Munsell Office (432) 686-3609 Steve Munsell Office (432) 686-3751 Cell (432) 686-3751 Drilling Manager Aj Dach Office (432) 686-3751 Cell (817) 480-1167 Drilling Superintendent Second (432) 686-3751 Cell (432) 563-5757 Rep Orilling Office (432) 563-5757 Rep Orilling Rig Office (432) 563-5757 Rep Orilling Rig Rig (903) 509-7131 Tool Pusher: Office (432) 686-3695 Second (432) 686-3695 Application of the properties of the propertie	Rod Coffman		
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Safety Brian Chandler (HSE Manager) Office (432) 686-3695	Johnathan Craig	Cell	(817) 760-6374
Brian Chandler (HSE Manager) Office (432) 686-3695	Brad Garrett		
Brian Chandler (HSE Manager) Office (432) 686-3695			
	Safety		
	Brian Chandler (HSE Manager)	Office	(432) 686-3695
		Cell	(817) 239-0251