

GENERAL QUESTIONS		
1	Have you considered the following in your well planning and drilling plan determinations: evaluation for flow potential, site selection, shallow hazards, deeper hazard contingency planning, well control planning for fluid influxes, planning for lost circulation control, regulatory issues and communications plans, planning the well, pore pressure, fracture gradient, mud weight, casing plan, cementing plan, drilling plan, wellbore hydraulics, wellbore cleaning, barrier design, and contingency planning? [API 65-2 1.5]	Yes
2	Have you considered the general well practices while drilling, monitoring and maintaining wellbore stability, curing and preventing lost circulation, and planning and operational considerations? [API 65-2 1.6]	Yes
FLOW POTENTIAL		
3	Will a pre-spud hazard assessment be conducted for the proposed well site?	Yes
4	List all potential flow zones within the well section to be cemented.	Described below
5	Has the information concerning the type, location, and likelihood of potential flow zones been communicated to key parties (cementing service provider, rig contractor, or 3 rd parties)?	Yes
CRITICAL DRILLING FLUID PARAMETERS		
6	Are fluid densities sufficient to maintain well control without inducing lost circulation?	Yes
CRITICAL WELL DESIGN PARAMETERS		
7	Will you use a cementing simulation model in the design of this well?	Describe below
7a	If yes, how is the output of this simulation model used in your decision-making process?	Described below
7b	If no, include discussion of why a model is not being used.	Described below
7c	Either way, include the number and placement of centralizers being used.	Described below
8	Will you ensure the planned top of cement will be 500 feet above the shallowest potential flow zone?	Yes
9	Have you confirmed that the hole diameter is sufficient to provide adequate centralization?	Yes
10	If there are any isolated annuli, how have you mitigated thermal casing pressure build-up.	N/A
11	Will you ensure the well will be stable (no volume gain or losses, drilling fluid density equal in vs. out) before commencing cementing operations?	Yes
12	List all annular mechanical barriers in your design.	Described below
13	Has the rat hole length been minimized or filled with drilling fluid with a density greater than the cement density?	Yes
14a	If you have any liner top packers exposed to the production or intermediate annulus, what is the rating for differential pressure across this packer?	Described below
14b	If you have any liner top packers exposed to the production or intermediate annulus, have you confirmed that your negative test will not exceed this rating?	Yes
15	What type of casing hanger lock-down mechanisms will be used?	N/A
16	For all intermediate and production casing hangers set in subsea, HP wellhead housing, will you immediately set/energize the lock-down ring prior to performing any negative test?	N/A
17	For all production casing hangers set in subsea, HP wellhead housing, will you set/energize the lock-down sleeve immediately after running the casing and prior to performing any negative test?	N/A
CRITICAL OPERATIONAL PARAMETERS		
18	Will you have 2 mechanical barriers in addition to cement in your final	Yes

	casing string (or liner if it is your final string)?	
19	Do you plan to nipple down BOP in accordance with the WOC requirements in 30 CFR 250.422(a) and API RP 65 Part 2 First Edition?	Yes
20	Do you plan on running a cement bond log on the production and intermediate casing/liner prior to conducting the negative test on that string?	Described below
	Are contingency plans in place for the following:	
21	Lost circulation?	Yes
22	Unplanned shut-down?	Yes
23	Unplanned rate change?	Yes
24	Float equipment does not hold differential pressures?	Yes
25	Surface Equipment issues?	Yes
26	Will you monitor the annulus during cementing and WOC time?	Yes
27	If using foam cement, is a risk assessment being conducted and incorporated into cementing plan?	N/A
28	If using foam cement, will the foamer, stabilizer, and nitrogen injection be controlled by an automated process system?	N/A
	CRITICAL MUD REMOVAL PARAMETERS	
28	Have you tested your drilling fluid and cementing fluid programs for compatibility to reduce possible contamination?	Yes
29	Have you considered actual well conditions when determining appropriate cement volumes?	Yes
30	Has the spacer been modeled or designed to achieve the best possible mud removal?	Yes
	CRITICAL CEMENT SLURRY PARAMETERS	
31	Have all appropriate cement slurry parameters been considered to ensure the highest probability of isolating all potential flow zones?	Yes
32	Do you plan on circulating bottom up prior to the start of the cement job?	Yes

4. Discorbis 12 Sand at 11,050' TVD; Tex L sand at 11,916' TVD; and the CibCarst Sand at 13,200' TVD.
- 7a. A cement model will be utilized on the drilling and production liners to determine cement mixing and pumping rates. Mud removal efficiency and spacer volume will be calculated and analyzed. Swab and surge pressures will be calculated and considered. Wait on cement time along with compressive strength will be determined from laboratory tests.
- 7b. Cement simulation modeling will not be utilized on conductor, surface, and intermediate casing strings based on:
- There are no expected potential flow zones in these intervals
 - The primary cementing objective will be to isolate the casing shoe from the hole interval below
 - The cementing of these casings is considered a routine type cementing job
- 7c. Conductor casing – 3 centralizers spaced out on the bottom 2 joints.
 Surface casing – 5 centralizers spaced out on the bottom 3 joints.
 Intermediate casing – A minimum of 7 centralizers spaced out on the bottom 5 joints.
 Drilling Liner – TBD based on if pay is encountered.
 Production Liner – Final number and placement based on log results. A minimum of 1 per joint through the pay interval and 100' above and below the pay interval will be run.
12. Cement, Hydrostatic of Mud Column, Liner Top Packer, Wellhead Pack Off.
- 14a. 8,700 psi
20. Negative test is not included in the drilling phase. This will be addressed in the APM for the completion. A cement bond log will be run during the completion phase.