

Ten Point Plan

BOPCO, L. P.

Yellow Creek Federal 12-32-1

Surface Location Lot #7 , Section 12, T. 1S., R. 98W.

1. Surface Formation

Uinta

2. Estimated Formation Tops and Datum:

<u>Formation</u>	<u>Depth (KB = 6423')</u>	<u>Datum</u>
Green River	646'	+ 5,777'
T/A-Groove	996'	+ 5,427'
T/Mahogany	1,091'	+ 5,332'
T/B-Groove	1,236'	+ 5,187'
T/Nahcolite	1,593'	+ 4,830'
B/Nahcolite	2,486'	+ 3,937'
T/Blue Marker	2,576'	+ 3,847'
T/Orange Marker	2,756'	+ 3,667'
T/Wasatch	2,936'	+ 3,487'
T/Mesa Verde	7,156'	- 733'
T/Rollins	11,206'	- 4,783'
T/Lower Sego	12,431'	- 6,008'
Castlegate	12,906'	- 6,483'
TD	13,206'	- 6,783'

A 14 3/4" hole will be drilled to 3,686 +/- . The hole depth will depend on the top of Wasatch. The hole will be drilled 750' beyond the top of the Wasatch.

3. Producing Formation Depth:

Formation objective includes the Sego, Rollins, Mesa Verde and its sub-members.

4. Proposed Casing:

<u>Hole Size</u>	<u>Casing Size</u>	<u>Weight/FT</u>	<u>Grade</u>	<u>Coupling & Tread</u>	<u>Casing Depth</u>	<u>New/Used</u>
14 3/4"	9 5/8"	36#	K-55	LTC	3,686'	NEW
8 3/4"	4 1/2"	11.6#	LS-110	LTC	7,160'	NEW
7 7/8"	4 1/2"	11.6#	LS-110	LTC	T.D.	NEW

Cement Program:

The Surface Casing will be cemented from 3,686' to the Surface as follows:

Multiple stage cementing tool will be used at 1,493' (MD) and cement baskets as per BLM requirements please see attached Wellbore Schematic.

Stage #1

Fluid #1 Water Spacer

Water Spacer: Fluid Density: 8.34 lbm/gal. Fluid Volume: 10 bbl.

Fluid #2 Reactive Spacer

Superflush XLC (or equivalent): Fluid Density: 10 lbm/gal. Fluid Volume: 10 bbl.

Fluid #3 Water Spacer

Water Spacer: Fluid Density: 8.34 lbm/gal. Fluid Volume: 10 bbl.

<u>Casing Size</u>	<u>Cement Type</u>	<u>Cement Amounts</u>	<u>Cement Yield</u>	<u>Cement Weight</u>
Lead: Fluid #4 Excess of 30%				
9 5/8"	Premium Lite	240 sx	2.35ft ³ /sx	12.3 ppg
	0.25 lbm/sk D-Air 3000			
	0.25 lbm/sk Poly-E-Flake			
	0.25 lbm/sk Gilsonite			
Tail: Fluid #5 Excess of 30%				
9 5/8"	Premium Lite	650 sx	2.09ft ³ /sx	12.8 ppg
	0.25 lbm/sk D-Air 3000			
	0.25 lbm/sk Poly-E-Flake			
	0.25 lbm/sk Gilsonite			

Fluid #6 Water Spacer

Displacement Fluid: Fluid Density: 0 lbm/gal. Fluid Volume: 271.28 bbl.

Stage #2

Fluid #1 Water Spacer

Water Spacer: Fluid Density: 8.34 lbm/gal. Fluid Volume: 10 bbl.

Fluid #2 Water Spacer

Superflush XLC (or equivalent): Fluid Density: 10 lbm/gal. Fluid Volume: 20 bbl.

Fluid #3 Water Spacer

Water Spacer: Fluid Density: 8.34 lbm/gal. Fluid Volume: 10 bbl.

<u>Casing Size</u>	<u>Cement Type</u>	<u>Cement Amounts</u>	<u>Cement Yield</u>	<u>Cement Weight</u>
Tail: Fluid #4 2 nd 9 5/8"	Stage Primary Cement Excess of 75% Premium Lite 0.25 lbm/sk D-Air 3000 0.25 lbm/sk Poly-E-Flake 0.25 lbm/sk Gilsonite	730 sx	2.35ft ³ /sx	12.3 ppg

Fluid #5: Water Spacer

Displacement Fluid: Fluid Density: 0 lbm/gal. Fluid Volume: 110.79 bbl.

Top Out Cement: Fluid #6

Standard Cement	350 sx	2.20ft ³ /sx	12.3 ppg
2% Calcium Chloride:			

Cement volume = Caliper + 20%

Production casing will be cemented to 100' inside surface casing or higher as follows:

<u>Casing Size</u>	<u>Cement Type</u>	<u>Cement Amounts</u>	<u>Cement Yield</u>	<u>Cement Weight</u>
Lead: #1 4 1/2"	Premium Lite 0.05 lbs/sx Static Free 3% bwoc Potassium Chloride 0.25 lbs/sx Cello Flake 5 lbs/sx Kol Seal 10% bwoc Bentonite 0.5% bwoc Sodium Metasilicate 196.7% Fresh Water	357 sx	3.38ft ³ /sx	11.0 ppg
Lead: #2 4 1/2"	Premium Lite 0.2% bwoc BA-90 1% bwoc R-3 0.6% bwoc FL-63 0.25% bwoc Sodium Metasilicate 109.3% Fresh Water	163 sx	2.13ft ³ /sx	12.5 ppg
Tail: #3 4 1/2"	Premium Lite II High Strength 35% bwoc Silica Flour 0.2% bwoc BA-90 1% bwoc R-31	566 sx	2.44ft ³ /sx	13.0 ppg

0.65% bwoc FL-63
0.25% bwoc Sodium Metasilicate
118.4% Fresh Water

Note: All cement slurries will meet or exceed minimum BLM and COGCC requirements. Slurries used will be the slurries listed above, or equivalent slurries depending on service provider selected. Cement yield may change depending on slurries selected, but cement volume in cubic feet will be based on the above excess numbers.

5. BOP and Pressure Containment Data:

The anticipated bottom hole pressure will be less than 5000 psi. (0.4 gradient as measured by offset wells)

A 5000-psi WP BOP system as described in Diagram 1 (attached) will be installed and maintained from the 9 5/8" surface casing. The BOP system including the casing will be pressure tested to minimum standards set forth in "On Shore Order #2". The BOP will be mechanically checked daily during the drilling operation.

BOP tests with 200 psi minimum and 5000 psi maximum except for the annular (2500 psi) will be conducted:

1. After initial installation.
2. After any component change.
3. Twenty-one days after previous test.
4. As required by well conditions.

6. Mud Program:

<u>Interval</u>	<u>Mud weight</u> <u>lbs./gal.</u>	<u>Viscosity</u> <u>Sec./OT.</u>	<u>Fluid Loss</u> <u>MI/30 Mins.</u>	<u>Mud Type</u>
0-3,686'	Air/Clear Water	-----	No Control	Air/Water
3,686'-T.D.	8.0-9.5	45-50	less than 10	Water/Gel LSND

7. Auxiliary Equipment

Upper kelly cock, full opening stabbing valve, and 3" 5000 psi WP choke manifold to be tested with BOPs. A flow/show and pit level indicator will be installed.

8. Testing, Coring, Sampling and Logging:

- a) Test: None are anticipated.
- b) Coring: There is the possibility of sidewall coring.

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|----------------|-------------------|--|------|----------|----------------|-------------------|--------|-------------|--------------|-------------------|
| c) | Sampling: | Every 20' from surface to 3,686'.
Every 10' from 3,686' to T.D. | | | | | | | | |
| d) | Logging: | <table border="0"> <tr> <td>Type</td> <td>Interval</td> </tr> <tr> <td>GR-CNL-LTD-AIT</td> <td>T.D. to Surf. Csg</td> </tr> <tr> <td>GR-CNL</td> <td>To Surf Csg</td> </tr> <tr> <td>Possible FMI</td> <td>within Mesa Verde</td> </tr> </table> | Type | Interval | GR-CNL-LTD-AIT | T.D. to Surf. Csg | GR-CNL | To Surf Csg | Possible FMI | within Mesa Verde |
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| GR-CNL | To Surf Csg | | | | | | | | | |
| Possible FMI | within Mesa Verde | | | | | | | | | |

9. Abnormalities (including sour gas):

No abnormal pressures, temperatures or other hazards are anticipated. Other wells drilled in the area have not encountered over pressured zones or H₂S.

10. Drilling Schedule:

The anticipated starting date is 11/30/2009. Duration of operations is expected to be 30 days.