

API Well Number :
OGRID Name :
Property Name : MCA UNIT
Pool Name :
County :
Well Type :
Well Status :
Permit :
Section : **Land:**
Township : **Dir. :**
Range : **Dir. :**

Company	Inspection	Well Master
Scheduler	Mech. Int Tests	Well History
Data Action	Inactive Detail	Env. Inspections
Admin Permits	Inactive Mgt	Incidents
Hearing Orders		Pool Master
Compliance		Surf Facilities

Close all
 Functions
 and Exit
 RBDMS

|

[Quick](#)
[Print](#)

WELL FILTER SUB FORM

API WELL #	Well Name	Well #	Operator Name	Type	Stat	County	Surf	UL	Se
30-025-38988-00-00	MCA UNIT	421 ✓	CONOCOPHILLIPS COMP	O		Lea	F	P	
30-025-38989-00-00	MCA UNIT	420 ✓	CONOCOPHILLIPS COMP	O		Lea	F	A	
30-025-38987-00-00	MCA UNIT	419 ✓	CONOCOPHILLIPS COMP	O		Lea	F	M	
30-025-38986-00-00	MCA UNIT	418 ✓	CONOCOPHILLIPS COMP	O		Lea	F	M	
30-025-38985-00-00	MCA UNIT	417 ✓	CONOCOPHILLIPS COMP	O		Lea	F	M	
30-025-38984-00-00	MCA UNIT	416 ✓	CONOCOPHILLIPS COMP	O		Lea	F	N	
30-025-38983-00-00	MCA UNIT	415 ✓	CONOCOPHILLIPS COMP	O		Lea	F	N	
30-025-38982-00-00	MCA UNIT	414 ✓	CONOCOPHILLIPS COMP	O		Lea	F	O	
30-025-38981-00-00	MCA UNIT	413 ✓	CONOCOPHILLIPS COMP	O		Lea	F	B	
30-025-38980-00-00	MCA UNIT	412 ✓	CONOCOPHILLIPS COMP	O		Lea	F	B	
30-025-38856-00-00	MCA UNIT	411 ✓	CONOCOPHILLIPS COMP	O		Lea	F	C	
30-025-38979-00-00	MCA UNIT	410 ✓	CONOCOPHILLIPS COMP	O		Lea	F	O	
30-025-38978-00-00	MCA UNIT	409 ✓	CONOCOPHILLIPS COMP	O		Lea	F	L	
30-025-38977-00-00	MCA UNIT	408 ✓	CONOCOPHILLIPS COMP	O		Lea	F	P	
30-025-38938-00-00	MCA UNIT	407 ✓	CONOCOPHILLIPS COMP	O	A	Lea	F	L	
30-025-38860-00-00	MCA UNIT	406 ✓	CONOCOPHILLIPS COMP	O		Lea	F	D	
30-025-38859-00-00	MCA UNIT	405 ✓	CONOCOPHILLIPS COMP	O		Lea	F	C	
30-025-38975-00-00	MCA UNIT	404 ✓	CONOCOPHILLIPS COMP	O		Lea	F	M	
30-025-37940-00-00	MCA UNIT	403 ✓	CONOCOPHILLIPS COMP	O		Lea	F	G	
30-025-38855-00-00	MCA UNIT	402 ✓	CONOCOPHILLIPS COMP	O		Lea	F	L	
30-025-38974-00-00	MCA UNIT	401 ✓	CONOCOPHILLIPS COMP	O		Lea	F	F	
30-025-38973-00-00	MCA UNIT	400 ✓	CONOCOPHILLIPS COMP	O		Lea	F	L	
30-025-38972-00-00	MCA UNIT	399 ✓	CONOCOPHILLIPS COMP	O		Lea	F	K	
30-025-38971-00-00	MCA UNIT	398 ✓	CONOCOPHILLIPS COMP	O		Lea	F	C	
30-025-37939-00-00	MCA UNIT	397	CONOCOPHILLIPS COMP	O	A	Lea	F	E	
30-025-37976-00-00	MCA UNIT	396	CONOCOPHILLIPS COMP	O	A	Lea	F	L	
30-025-37900-00-00	MCA UNIT	395	CONOCOPHILLIPS COMP	O	A	Lea	F	E	
30-025-37831-00-00	MCA UNIT	394	CONOCOPHILLIPS COMP	O	A	Lea	F	D	
30-025-37879-00-00	MCA UNIT	393	CONOCOPHILLIPS COMP	O	A	Lea	F	H	
30-025-38854-00-00	MCA UNIT	392 ✓	CONOCOPHILLIPS COMP	O		Lea	F	K	
30-025-38853-00-00	MCA UNIT	391 ✓	CONOCOPHILLIPS COMP	O		Lea	F	H	
30-025-38852-00-00	MCA UNIT	390 ✓	CONOCOPHILLIPS COMP	O		Lea	F	E	
30-025-35142-00-00	MCA UNIT	387	CONOCOPHILLIPS COMP	O	A	Lea	F	K	
30-025-31100-00-00	MCA UNIT	386	CONOCOPHILLIPS COMP	I	A	Lea	F	F	
30-025-30731-00-00	MCA UNIT	385	CONOCOPHILLIPS COMP	O	P	Lea	F	O	
30-025-30491-00-00	MCA UNIT	384	CONOCOPHILLIPS COMP	O	A	Lea	F	E	

4. Proposed cementing program:

For the cementing program a range is presented for the number of sacks of cement and for the bottom, top, and length of the lead slurries and tail slurries due to the variation in formation tops and planned TD for the planned / contemplated wells for which this Master Drilling Plan is intended.

13-3/8" Conductor:

Cement to surface with ready mix or Class C Neat cement. TOC at surface.

8-5/8" Surface Casing:

The intention for the cementing program for the Surface Casing is to:

- Place the Tail Slurry from the casing shoe to 300' above the casing shoe,
- Bring the Lead Slurry to surface.

Spacer: 20 bbls Fresh Water

Lead Slurry								
Volume (sx) & Recipe & Excess %	Bottom (ft MD)	Top (ft MD)	Length (ft)	Density (ppg)	Yield (cuft/sx)	Mix Wtr gal/sx	Compressive Strengths @ 85 deg F by UCA Method	
185 – 535 sx Class C + 6% bentonite + 2% CaCl ₂ + 0.125% Polyflake	325 to 940	Surface	325 to 940	13.5	1.96	10.69	Time 12 hrs 18 hrs 24 hrs	Strength 316 psi 417 psi 506 psi
Excess = 170%								

Tail Slurry								
Volume (sx) & Recipe & Excess %	Bottom (ft MD)	Top (ft MD)	Length (ft)	Density (ppg)	Yield (cuft/sx)	Mix Wtr gal/sx	Compressive Strengths @ 91 deg F by UCA Method	
220 sx Class C + 2% CaCl ₂ + 0.125% Polyflake	625' to 1240'	325' to 940'	300'	14.8	1.35	6.36	Time 3 hrs 9 hrs 12 hrs 24 hrs 48 hrs	Strength 50 psi 500 psi 793 psi 1266 psi 2183 psi
Excess = 100%								

Displacement: Fresh Water

Note: In accordance with the Pecos District Conditions of Approval, we will Wait on Cement (WOC) for a period of not less than 18 hrs after placement of the cement on the Surface Casing in order to achieve at least 500 psi compressive strength in both the Lead Slurry and Tail Slurry cements prior to drilling out of the Surface Casing.

5-1/2" Production Casing Cementing Program - Single Stage Cementing Option:

The intention for the cementing program for the Production Casing – Single Stage Cementing Option is to:

- Place the Tail Slurry from the casing shoe to the top of the Grayburg formation,
- Bring the Lead Slurry to surface.

Spacer: 20 bbls Fresh Water with an option to follow this with 1000 gallons SuperFlush 102 and 20 additional bbls Fresh Water.

Lead Slurry								
Volume (sx) & Recipe & Excess %	Bottom (ft MD)	Top (ft MD)	Length (ft)	Density (ppg)	Yield (cuft/sx)	Mix Wtr gal/sx	Compressive Strengths @ 113 deg F by Crush Method	
433 – 644 sx 50% Class C 50% POZ + 10% bentonite + 8 lb/sx Salt + 0.2% Fluid Loss Additive + 0.125% Polyflake	3270' to 3940'	Surface	3270' to 3940'	11.8	2.55	14.88	Time 12 hrs 24 hrs 48 hrs 72 hrs	Strength 100 psi 200 psi 245 psi 310 psi
Excess = 88% - 135% (based on caliper if available)								

Tail Slurry (this is a CO ₂ resistant cement)								
Volume (sx) & Recipe & Excess %	Bottom (ft MD)	Top (ft MD)	Length (ft)	Density (ppg)	Yield (cuft/sx)	Mix Wtr gal/sx	Compressive Strengths @ 115 deg F by UCA Method	
150 – 285 sx 65% Class C 35% POZ + 0.4% Dispersant	4155' to 4705'	3270' to 3940'	636' to 885'	14.8	0.98	3.76	Time 5 hrs 56 min 8 hrs 12 min 24 hrs 48 hrs 72 hrs	Strength 50 psi 500 psi 2806 psi 4690 psi 5661 psi
Excess = 26% - 83% (based on caliper if available)								

Displacement: 2% KCL water with approximately 250 ppm gluteraldehyde biocide.

5-1/2" Production Casing Cementing Program - Two-Stage Cementing Option (for Loss of Circulation Events):

We propose an option to use the two-stage cementing method for cementing the production casing if any loss of circulation events or heavy seepage is experienced while drilling the 7-7/8" hole. (see discussion in Item 3 above). The proposed two-stage cementing program would be as follows:

- Stage 1: Would place cement from the casing shoe to the stage tool.
- Stage 2: Would place cement from the stage tool to Surface.

Stage 1:

Spacer: 20 bbls Fresh Water with an option to follow this with 1000 gallons SuperFlush 102 and 20 additional bbls Fresh Water

Stage 1 – Lead Slurry: None

Stage 1 – Tail Slurry								
Volume (sx) & Recipe & Excess %	Bottom (ft MD)	Top (ft MD)	Length (ft)	Density (ppg)	Yield (cuft/sx)	Mix Wtr gal/sx	Compressive Strengths @ 113 deg F by Crush Method	
150 – 285 sx 65% Class C 35% POZ + 0.4% Dispersant	4155'	3270'	636'	14.8	0.98	3.76	Time	Strength
	to	to	to				5 hrs 56 min	50 psi
	4705'	3940'	885'				8 hrs 12 min	500 psi
							24 hrs	2806 psi
							48 hrs	4690 psi
						72 hrs	5661 psi	
Excess = 26% - 83% based on caliper if available								

Displacement: A volume of Fresh Water equal to the capacity volume from the stage tool to the float collar, followed by brine based mud.

5-1/2" Production Casing Cementing Program – Two-Stage Cementing Option with Stage Tool and External Casing Packers (for Water Flow Events):

We propose an option to use the two-stage cementing method with a Stage Tool and two each External Casing Packers if any waterflow event is experienced while drilling the 7-7/8" hole as discussed above in Item 3. The proposed two-stage cementing program would be as follows:

- Stage 1: Would place cement from the casing shoe to the stage tool
- Stage 2: Would place cement from the stage tool to Surface.

Stage 1:

Spacer: 20 bbls Fresh Water with an option to follow this with 1000 gallons SuperFlush 102 and 20 additional bbls Fresh Water

Stage 1 – Lead Slurry							
Volume (sx) & Recipe & Excess %	Bottom (ft MD)	Top (ft MD)	Length (ft)	Density (ppg)	Yield (cuft/sx)	Mix Wtr gal/sx	Compressive Strengths @ 113 deg F by Crush Method
77 – 363 sx 50% Class C 50% POZ + 10% bentonite + 8 lb/sx Salt + 0.2% Fluid Loss Additive + 0.125% Polyflake	3270' to 3940'	1670' to 3440'	500' to 1600'	11.8	2.55	14.88	Time 12 hrs 24 hrs 48 hrs 72 hrs Strength 100 psi 200 psi 245 psi 310 psi
Excess = 126% - 234% based on caliper if available							

Stage 1 – Tail Slurry							
Volume (sx) & Recipe & Excess %	Bottom (ft MD)	Top (ft MD)	Length (ft)	Density (ppg)	Yield (cuft/sx)	Mix Wtr gal/sx	Compressive Strengths @ 113 deg F by Crush Method
150 – 285 sx 65% Class C 35% POZ + 0.4% Dispersant	4155' to 4705'	3270' to 3940'	636' to 885'	14.8	0.98	3.76	Time 5 hrs 56 min 8 hrs 12 min 24 hrs 48 hrs 72 hrs Strength 50 psi 500 psi 2806 psi 4690 psi 5661 psi
Excess = 26% - 83% based on caliper if available							

Displacement: A volume of Fresh Water equal to the capacity volume from the stage tool to the float collar, followed by brine based mud.