# Delaware Basin Changes to Form C-108



SWD-1488/API Pending

- Not major modifications/

- changes to basing of

tubing (weight class)

Well Name:

Salado Draw SWD 13 #1

08/18/2014

PMAM 1409135446

County:

Lea County, NM

Location:

**Section 13, T26S, R32E** 

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### Summary of Changes to Form C-108

- 1. Injection Well Data Sheet (pages 5-6 of C-108)
- 2. Updated Wellbore Schematic (page 9 of C-108)
- 3. Updated Proposed Casing and Cement Program (page 11 C-108)
- 4. Updated Tubing Size and Lining Material (page 11 C-108)

### (1) Injection Well Data Sheet

**Summary:** Surface casing hole size will be 20" and not 18-1/8" as stated in order to maintain sufficient diametrical clearances when running and cementing 16" surface casing.

#### As Defined in C-108:

#### As Planned on Well:

Surface Casing Hole Size: 18-1/8"

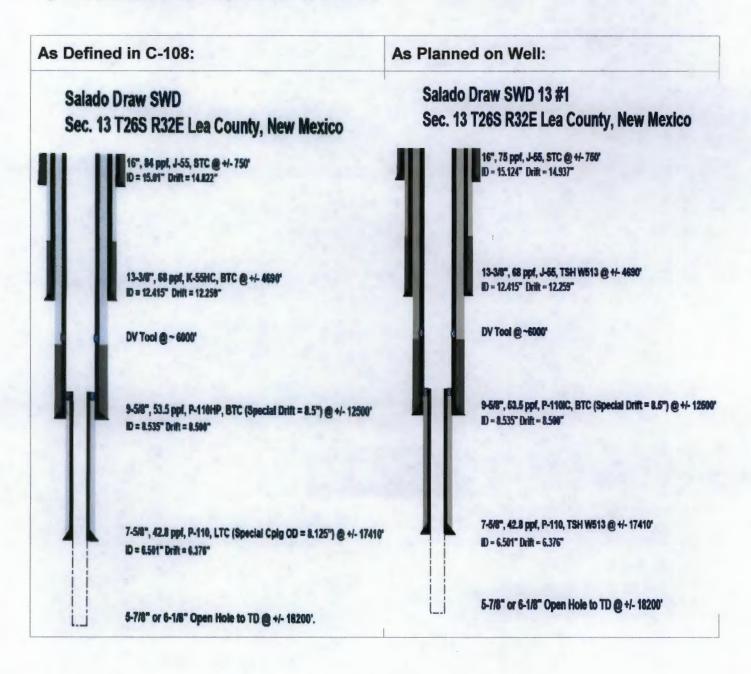
Surface Casing Hole Size: 20"

**Tubing Lining Material: None** 

Tubing Liner Material: DUO-LINE D20

### (2) Updated Wellbore Schematic

**Summary:** Both the 13-3/8" and 7-5/8" strings will have TSH W513 flush connection to aid in tight clearances for the respective hole sections.



### (3) Proposed Casing and Cement Program

**Summary:** Due to the change in the planned surface hole size from 18-1/8" to 20" the conductor size has changed from 20" to 24" and the planned sacks of cement for both conductor and surface have been modified accordingly.

#### As Defined in C-108:

#### Proposed Casing and Cement Program Setting Sacks of Est. Type Size Size Weight/Ft Depth TOC Cement Conductor 26" 20" 133 £1201 Surface Surface 18-1/8" 16" 84 t750 421 Surface Intermediate 14-3/4" 13-3/8" 68 ±4690' 1096 Surface DV Tool at ± 6000', 2-Stage Intermediate 12-1/4" 9-5/8" 53.5 ±12500' 2271 Production TOL @ 8-1/2" 7-5/8\* 42.8 ±17410' 443 Liner 12,300 Open Hole 6-1/8 ±18200' N/A N/A

### As Planned for Well:

	Proposed Casing and Cement Program							
Type	Hole Size	Casing Size	Casing Weight/R	Setting Depth	Sads of Cement	Est. TOC	Comments	
Conductor	30°	<b>H</b>	133	1128	116	Surface		
Surface	20°	15'	75	±750	547	Surface		
Intermediate	143/4"	13-3/8"	68	±4680'	1096	Surface		
Intermediate	12-1/4"	9-5/8"	53.5	±12500′	2271	360	DV Tool at ± 6000', 2 Stage John	
Production	a a fai	7.64		, annual		TOLE	0	
Liner	8-1/Z*	7-5/8*	42.8	±17410'	443	±12,300°		
Open Hole	61/8	N/A	N/A	±18200	N/A	N/A		

## (4) Tubing Size and Lining Material

**Summary:** Due to the high axial loads, the 4-1/2" tubing will require a tapered 4-1/2" string with heavier wall 17 ppf at the top crossed over to 12.6 ppf. Also, the 4-1/2" tubing connection will be TSH Blue and the tubing will be DUO-LINED.

#### As Defined in C-108:

#### As Planned for Well:

Tubing: 4-1/2" 11.6# N-80 LTC TK Fiberline

Tubing:

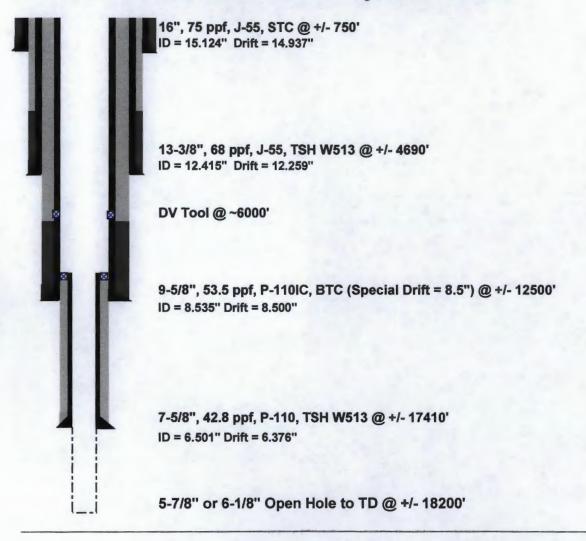
Surf. - ±4300': 4-1/2" 17# P110-S TSH Blue <

**DUO-LINE** 

±4300' - 17,400': 4-1/2" 12.6# P110-S TSH Blue

**DUO-LINE** 

## Salado Draw SWD 13 #1 Sec. 13 T26S R32E Lea County, New Mexico



Sec. 13 T26S R32E Lea County, New Mexico

Hole Size	Mud	Bits PDC	
20"	FW/Spud Mud		
14-3/4"	Brine 10 PPG	PDC	
12-1/4"	Cut Brine 8.8 - 10 ppg	PDC	
8-1/2"	Weighted Brine/Polymer 10 - 12.5 PPG	PDC	
1/8" or 5-7/8"	12.5 - 14.0 PPG  Cut Brine  8.4 - 9.0 PPG	PDC	

Proposed Casing and Cement Program									
Туре	Hole Size	Casing Size	Casing Weight/Ft	Setting Depth	Sacks of Cement	Est. TOC	Comments		
Conductor	30"	24"	133	±120'	116	Surface			
Surface	20"	16"	75	±750	547	Surface			
Intermediate	14-3/4"	13-3/8"	68	±4690'	1096	Surface			
Intermediate	12-1/4"	9-5/8"	53.5	±12500'	2271	3690'	DV Tool at ± 6000'. 2-Stage Job.		
Production Liner	8-1/2"	7-5/8"	42.8	±17410'	443	TOL @ ±12,300'			
Open Hole	6-1/8"	N/A	N/A	±18200'	N/A	N/A			