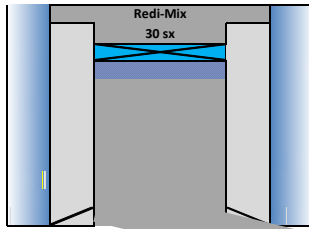


WHSS-Intercept



Ernie Adamson Gas Unit # 1

Proposed Features	
KB	25
CIBP (9-5/8")	80
TOC	100



Existing Features	
KB	10
Top of Fish	126
8-5/8" Surface csg shoe at	164
Surface Hole shoe at	202
Bottom of Fish	406

9-5/8" Surface Casing	300
-----------------------	-----

7-7/8" OH to Intercept wellbore	300-406
---------------------------------	---------

Intercept Point	406
-----------------	-----

Bottom of Foxhills (FHM)	1292
--------------------------	------

Sussex	Top	4354
	Base	4588

Shannon	N/A
No shannon production w/in 1 mile radius	

Nio Top	6939
---------	------

TD	7057
----	------



Proposed Additions for P&A	
Redi-Mix to surface	
100	CIBP (8-5/8")

Cement Blend: Type III w/ cello flake and CaCl₂, mixed at 14.8 ppg and 1.33 cuft/sk. with 40%

Cement Blend: Type III w/ cello flake and CaCl₂, mixed at 14.8 ppg and 1.33 cuft/sk.

1500	Bottom of cement
------	------------------

4150	Top of cement
------	---------------

Cement Blend: "G" w/ 0.25 pps cello flake , 0.4% CD-32, 0.4% ASA - 301, mixed at 15.8 ppg and 1.15 cuft/sk, with 20% excess used and considering hole size of 13".

4550	Bottom of cement
------	------------------

6540	Top of cement
------	---------------

NB Cement Blend: 50/50 Poz "G" w/ 20% silica flour, 3% gel, 0.1% sodium metasilicate and 0.4% FL-52. Mixed at 13.5 ppg and 1.71 cuft/ sk yield with 40% excess and 9" hole size.

7057	Bottom of cement
------	------------------

API# 0512308288				
Well: Ernie Adamson Gas Unit # 1				
Equipment	Specs.	Depth	(bbl/ft)	ft ³ /ft
Surface	8 5/8"	164		0.3575
EA Hole	7 7/8	7507	0.0602	0.3382
WHSS Hole	7 7/8	425	0.0602	0.3382
9-5/8 Csg	9-5/8"		0.0766	0.4305
Hole Size	9		0.0787	0.4418
Hole Size	11.5		0.1285	0.7213
Hole Size	13		0.1642	0.9218

Cement Yield	1.33	1.15	1.71	1.38
Top Plug	SX/SH	NB/Cd Squeeze	NB/Cd in pipe	

Cement Calculations				
Section	Volume cu-ft	Cement Sacks	Excess	Top Plug
EA Well Perfect wot	1532.81	1152.49		
OH_EA well	1210	910	20%	13" Assumed
OH_WHSS	39	30	10%	7-7/8"
WHSS 9-5/8"	86	65		
Total Top Plug	1336	1004	1000	
	1330			

openhole	442	385	20%	SX/ SH Plug
Total	442	385	390	13"Caliper
	449			

Legend	
	New cement
	Existing cement with CBL
	assumed cement w/ no CBL
	cast iron cement retainer
	cast iron bridge plug
	mud
	Water

	cu-ft	sacks		
NB/CD OH	274	160	20%	Assume 9" hole
Total	274	160	160	NB/CD Plug