

Operator

Caza Operating LLC

Well Name & No.

Sioux 25 Fed Com 3H

County

Lea

Location (S/T/R/Alt)

Lease Number

ATS or EC #

Colors:

Choose casings

Fill in, if applicable

APD### or EC###

ral 6H Lea NM114998 Caza Operating LLC 13-22 10052019 LV

Name

Date

Version

Remarks

Type of Casing	Size of Hole (in)	Size of Casing (in)	Weight per Foot (lbs/ft)	Grade	Yield	Coupling #:	Top (ft)	Bottom (MD) (ft)	Setting Depth (TVD) (TVD of entire string) (ft)	Min Mud Weight (ppg)	Max Mud Weight (ppg)	ID	Drift ID	Cplg OD
Surface	17.500	13.375	54.50	j	55	stc	0	1117	1117	8.40	8.90	12.6150	12.4900	14.3750
Int 1	12.250	9.625	40.00	hcl	80	btc	0	7200	9150	9.20	10.00	8.8350	8.7500	10.6250
Int 1 Taper 1	12.250	9.625	47.00	hcl	80	btc	7200	9152	9150	9.20	10.00	8.6810	8.6250	10.6250
<Choose Casing>														
Prod 1	8.500	6.000	24.50	p	110	btc	0	22400	12168	9.20	12.50	5.2000	5.0750	6.8750
<Choose Casing>														
<Choose Casing>														

Cement														
Surface			Int 1			Prod 1			<Choose Casing>			<Choose Casing>		
TOC	0		TOC	0		TOC	0		TOC			TOC		
DV Depth			DV Depth	4900		DV Depth			DV Depth			DV Depth		
Sacks		Yield (ft3/sx)			Yield (ft3/sx)	Sacks		Yield (ft3/sx)	Sacks		Yield (ft3/sx)	Sacks		Yield (ft3/sx)
Lead	590	1.93	Lead	1110	2.13	Lead 1	2000	2.38	Lead 1			Lead 1		
Tail	309	1.35	Tail	232	1.35	Tail 1	2880	1.62	Tail 1			Tail 1		
DV Lead			DV Lead	1400	2.13	DV Lead			DV Lead			DV Lead		
DV Tail			DV Tail	150	1.35	DV Tail			DV Tail			DV Tail		
Cmt Added	1555.85	cuft	Cement Added	2677.5 / 3184.5	cuft	Cement Added	9425.60	cuft	Cement Added	#N/A	cuft	Cement Added	#N/A	cuft
Cmt Req.	776	cuft	Cement Req.	1331.7 / 1589.9	cuft	Cement Req.	4690	cuft	Cement Req.	0	cuft	Cement Req.	0	cuft
Excess	100.52%		Excess	101.1% / 100.3%		Excess	100.98%		Excess	#N/A		Excess	#N/A	

Clearances	in Hole	In Surface	In Int 1	In Int 1 Taper 1		In Prod 1		
Surface	Pass = 1.5625							
Int 1	Pass = 0.8125	Pass = 0.995						
Int 1 Taper 1	Pass = 0.8125	No Overlap	No Overlap					
Prod 1	Pass = 0.8125	Pass = 2.87	Pass = 0.98	Pass = 0.903	No Overlap			

Safety Factors	Joint/Body	Collapse	Burst	Alt Burst
Surface	8.44	2.19	0.57	1.00
Int 1	2.41	1.13	0.73	1.10
Int 1 Taper 1	11.83	1.49	0.87	1.31
Prod 1	2.69	1.45	1.63	2.46

BOP Requirements After the Shoe				
Surface		Int 1		Prod 1
Max. Surf. Pressure	2740 psi	Max. Surf. Pressure	5224 psi	Max. Surf. Pressur psi
BOP Required	3M System	BOP Required	10M System	BOP Required System
<Choose Casing>				
Max. Surf. Pressure	psi			
BOP Required	System			