

# Cement Post Job Report

**Client:** PDC Energy

**Well Name:** Bost Farm 16N-8B-L

**API #:** 05-123-51455-00

**Job Date:** April 13th, 2022

**Job Type:** New Well - 5.5" Production String

**Cement Company & Contact:** EXERO Well Integrity -  
Cheve Meyer 720-239-3819



ROCK SOLID  
WELL INTEGRITY  
SOLUTIONS

## Treatment Report

Client PDC		Well Name & No. Bost Farm 16N-8B-L		Rig Name & No. Patterson 272		Date 4/13/2022	
Job Type Production		Wellhead Connection 5 1/2" HP Cement Head		Casing/Tubing Thread Type Buttress		BHST Deg 275	BHCT Deg 200
Well MD (ft) 18119	Well TVD (ft) 7180	Deg Dev. 90	No. of Stages 1	Tapered String No	Max. PSI. 7000	Max. Ann. PSI. 2500	
Packer/Retainer/DV Tool Depth 3067.42		Top of Perfs NA		Bottom of Perfs NA		Number of Holes NA	

### Pipe/String Details

String	Type of Casing, Tub, DP	OD"	Wt-lb/Ft	ID"	OH Size"	% Excess Lead	% Excess Tail	Depth (ft)
Surface	Casing	9.625	36					1699
Production	Casing	5.5	20	4.778	8.5	0	0	18112

### Pre-Job Mud and Well Conditions

Mud Type	OBM	Pipe Rotation		Circulation Data			
Mud wt. ppg	10.4	Rotate Y,N	No	Time Circulated (hrs)	3		
Flow Temp	115	Rate		Circulation Rate (bpm)	11		
Vis. Sec/qt	43	Torque Val.		Full Circulation (Y,N, Partial)	Yes		
PV (cP)	14	Rotate Time		Gas Present (Y,N)	Yes	Units	1000
Yield Pt	7	Pipe Reciprocation		Centralizers/Plugs			
10 sec gel	4	Recip Y,N	No	Quantity & Type	275		
10 min gel	6	Stroke (ft)		Top Plug/Type	PDC Provided		
30 min gel	8	Recip time		Bottom Plug/Type/Burst psi	PDC Provided		

### Prejob Calculated Materials, Volumes, & Rates

Preflush & Spacers		Stage 1 Lead: Class G		Stage 1 Tail: Class G		Stage 2 Lead: NA		Stage 2 Tail: NA		Displacement	
Spacer 1	Spacer	Density	12.9	Density	13.7	Density		Density		Fluid Type	Water
Density	12	Sacks	1276	Sacks	1659	Sacks		Sacks		Density	8.33
Volume	140	Vol/bbls	256.8	Vol/bbls	404.8	Vol/bbls	0.0	Vol/bbls	0.0	Volume (bbls)	402
Rate	10	Rate	11	Rate	11	Rate		Rate		Rate (bpm)	10
Spacer 2		Yield	1.13	Yield	1.37	Yield		Yield		Clay Stabilizer?	No
Density		Gal/Sk	3.9	Gal/Sk	6.63	Gal/Sk		Gal/Sk		Biocide/Inhibitor?	Yes
Volume		% Excess	0	% Excess	0	% Excess		% Excess		Slow Rate @ bbl	380
Rate		Lead Top	1915	Tail Top	8189	Lead Top		Tail Top		Bump (psi)	2800
H2O Req.	140	H2O Req.	118	H2O Req.	262	H2O Req.	0	H2O Req.	0	H2O Req.	402

### Post Job Details, Final Volumes & Pressures

Job Water Requirements (job+ washup+20% safety factor)		1107		bbls	
Actual Displacement (bbls)	402		Spacer to Surface	Yes	
Bump Plug?	yes		Spacer Volume To Pit (bbls)	30	
Final Bump Pressure	3300		Cement To Surface (Y,N)	No	
Full Returns Thru Job	Yes		Cement Volume To Surface	0	
Vol/Time When Circ. Loss			Surface Top Out?	No	
Vol/Time when Loss Stops			Top Out Volume (bbls)	0	

### Additional Post Job Notes

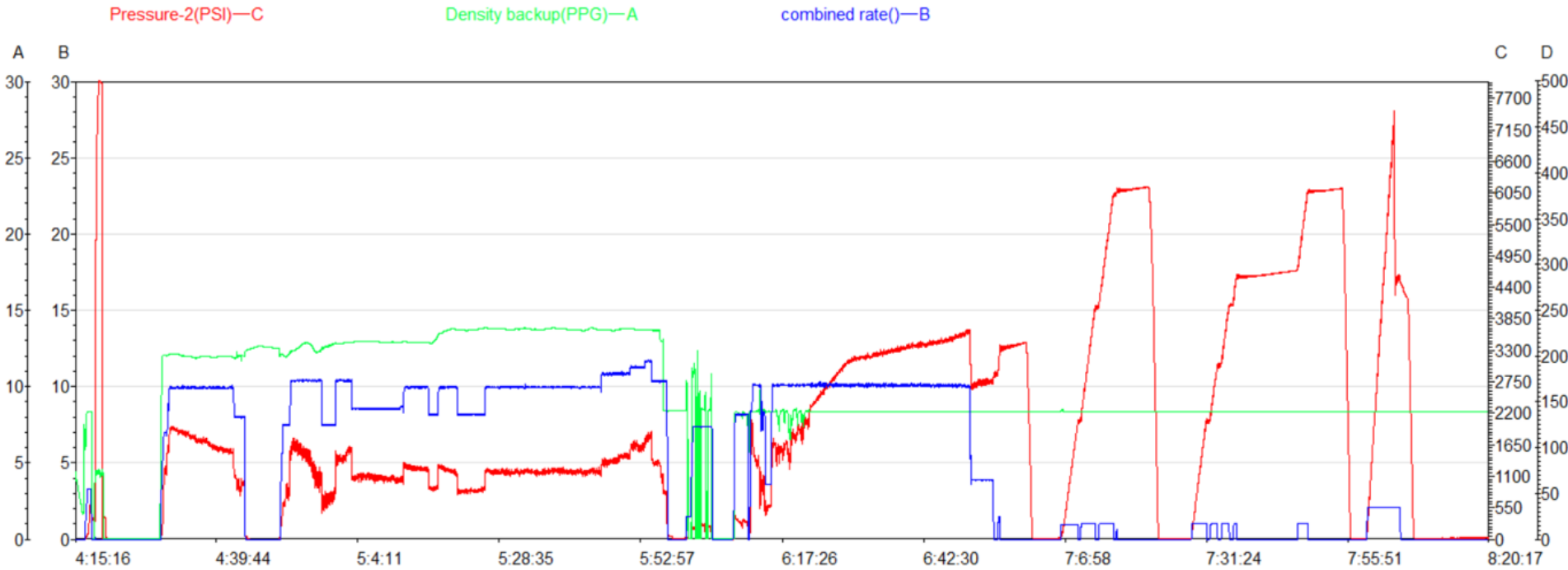


**ROCK SOLID**  
**WELL INTEGRITY**  
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### Job Treatment Log

Client PDC	Well Name & Number Bost Farm 16N-8B-L		Rig Name Patterson 272		Date 4/13/2022	Ambient Conditions ( Temperature / Humidity / Air Pressure ) 14 Deg F / 74% / 24.81 in	
Date (MM/DD/YY)	Time (HH:MM)	Density (ppg)	Rate (bpm)	Volume (bbl)	Cumulative Volume (bbl)	Pressure	Treatment Details
4/13/2022	0:30						REQUESTED ON LOCATION TIME OF midnight ARIVED ON LOCATION AT . Met with customer to get well information and discuss the job.
	1:00						SPOT EQUIPMENT
	1:10						RIG UP
	2:00						WAIT ON RIG TO FINISH CIRCULATING
	3:30						SAFETY MEETING
	3:50						RIG UP FLOOR
	4:02	8.33	3.00	3.0		400.0	FILL LINES
	4:04						PRESSURE TEST LINES TO 8000 PSI.
	4:11						DROP BOTTOM PLUG
	4:15	12.00	10.00	140.0		1950.0	PUMP SPACER WITH SURFACTANT AND FIBER.
	4:30						Shut down Open Wash Up Line
	4:31						DROP SECOND BOTTOM PLUG.
	4:35	12.90	10.00	256.0		1600.0	MIX AND PUMP 1276 SKS LEAD @ 12.9# , 1.13 CUFT/SK AND 3.90 GALS / SK , TOP OF LEAD @ 1915' .
	5:04	13.70	10.00	405.0		1250.0	MIX AND PUMP 1659 SKS TAIL @ 13.7# , 1.37 CUFT/SK AND 6.63 GALS/SK , TOP OF TAIL @ 8189' .
	5:42	8.33	10.00	8.0		1100.0	PUMP 8 BBLS OF SUGAR WATER
	5:43						SHUT DOWN
	5:44						WASH PUMPS AND LINES
	5:50						DROP TOP PLUG/ RIG UP TO CASING
	5:54	8.33	8.00	50.0		800.0	START FRESH WATER DISPLACEMENT
	6:01	8.33	10.00	50.0	50.0	1585.0	WATER DISPLACEMENT
	6:07	8.33	10.00	50.0	100.0	2250.0	WATER DISPLACEMENT
	6:12	8.33	10.00	50.0	150.0	2800.0	WATER DISPLACEMENT
	6:17	8.33	10.00	50.0	200.0	3100.0	WATER DISPLACEMENT
	6:22	8.33	10.00	50.0	250.0	3270.0	WATER DISPLACEMENT
	6:27	8.33	10.00	50.0	300.0	3400.0	WATER DISPLACEMENT
	6:32	8.33	10.00	52.0	350.0	3500.0	WATER DISPLACEMENT
	6:40	8.33	4.00		402.0	2800.0	LAND PLUG , BUMP PLUG TO 3300 PSI. SPACER TO SURFACE @ 372 BBLS AWAY , 30 BBLS BACK.
	6:46						CHECK FLOATS , floats held 4.5 bbls back.
	6:51						SET PACKER PER TOOL HAND.
	7:44	8.33	2.00	2.0		4500.0	SHIFT SLEEVE AND PUMP WET SHOE. SLEEVE opened @ 7400 PSI.
	7:46						CHECK FLOATS , floats held 7 bbls back.
	8:15						FLUSH BOP STACK
	8:30						RIG DOWN
	9:00						DEPART LOCATION

Bost Farm 16N-8B-L Pump Chart – Pressure / Rate / Density





## Centralizer Depths

Well Name: Bost Farm 16N-8B-L

Production, Set Depth: 18,112.0ftKB

API 05123514550000		Surface Legal Location SWNW 7 5N 66W		Field Name Wattenberg		State CO		Well Configuration Type Horizontal					
Ground Elevation (ft) 4,874.00		Original KB Elevation (ft) 4,902.00		KB-Ground Distance (ft) 28.00		Spud Date 4/5/2022 11:00		Rig Release Date 4/13/2022 10:30		On Production Date		Abandon Date	

### Casing Run Tally

Run #	Ref #	Item Des	OD (in)	Wt (lb/ft)	Grade	Run?	Len (ft)	Centralized?	Ext Jw/ry	Connections	Top (ftKB)	Cum Len (ft)
7	1	Casing Joints	5 1/2	20.00	P-110	Yes	40.95	Yes			18,037.5	74.51
9	3	Casing Joints	5 1/2	20.00	P-110	Yes	43.03	Yes			17,951.2	160.84
11	5	Casing Joints	5 1/2	20.00	P-110	Yes	43.37	Yes			17,864.4	247.58
13	7	Casing Joints	5 1/2	20.00	P-110	Yes	43.35	Yes			17,777.7	334.28
15	9	Casing Joints	5 1/2	20.00	P-110	Yes	44.05	Yes			17,690.3	421.73
17		Marker Joint A	5 1/2	20.00	P-110	Yes	9.99	Yes			17,636.4	475.62
19	12	Casing Joints	5 1/2	20.00	P-110	Yes	43.05	Yes			17,550.3	561.74
21	14	Casing Joints	5 1/2	20.00	P-110	Yes	43.08	Yes			17,463.5	648.48
23	16	Casing Joints	5 1/2	20.00	P-110	Yes	43.35	Yes			17,376.8	735.18
25	18	Casing Joints	5 1/2	20.00	P-110	Yes	43.20	Yes			17,289.6	822.38
27	20	Casing Joints	5 1/2	20.00	P-110	Yes	42.85	Yes			17,203.4	908.61
29	22	Casing Joints	5 1/2	20.00	P-110	Yes	43.31	Yes			17,116.8	995.24
31	24	Casing Joints	5 1/2	20.00	P-110	Yes	43.35	Yes			17,030.2	1,081.84
33	26	Casing Joints	5 1/2	20.00	P-110	Yes	43.25	Yes			16,944.0	1,168.03
35	28	Casing Joints	5 1/2	20.00	P-110	Yes	43.98	Yes			16,856.6	1,255.39
37	30	Casing Joints	5 1/2	20.00	P-110	Yes	42.95	Yes			16,769.6	1,342.36
39	32	Casing Joints	5 1/2	20.00	P-110	Yes	42.62	Yes			16,684.6	1,427.38
41	34	Casing Joints	5 1/2	20.00	P-110	Yes	43.10	Yes			16,598.2	1,513.82
43	36	Casing Joints	5 1/2	20.00	P-110	Yes	43.32	Yes			16,511.5	1,600.52
45	38	Casing Joints	5 1/2	20.00	P-110	Yes	43.37	Yes			16,424.7	1,687.28
47	40	Casing Joints	5 1/2	20.00	P-110	Yes	43.25	Yes			16,337.8	1,774.17
49	42	Casing Joints	5 1/2	20.00	P-110	Yes	40.72	Yes			16,254.1	1,857.92
51	44	Casing Joints	5 1/2	20.00	P-110	Yes	42.04	Yes			16,169.6	1,942.41
53	46	Casing Joints	5 1/2	20.00	P-110	Yes	43.34	Yes			16,082.6	2,029.40
55	48	Casing Joints	5 1/2	20.00	P-110	Yes	43.36	Yes			15,995.9	2,116.13
57	50	Casing Joints	5 1/2	20.00	P-110	Yes	43.72	Yes			15,908.9	2,203.09
59	52	Casing Joints	5 1/2	20.00	P-110	Yes	43.35	Yes			15,822.5	2,289.49
61	54	Casing Joints	5 1/2	20.00	P-110	Yes	42.20	Yes			15,737.6	2,374.44
63	56	Casing Joints	5 1/2	20.00	P-110	Yes	43.36	Yes			15,650.9	2,461.15
65	58	Casing Joints	5 1/2	20.00	P-110	Yes	40.45	Yes			15,568.2	2,543.80
67	60	Casing Joints	5 1/2	20.00	P-110	Yes	43.64	Yes			15,481.6	2,630.42



## Centralizer Depths

Well Name: Bost Farm 16N-8B-L

Production, Set Depth: 18,112.0ftKB

API 05123514550000		Surface Legal Location SWNW 7 5N 66W		Field Name Wattenberg		State CO		Well Configuration Type Horizontal					
Ground Elevation (ft) 4,874.00		Original KB Elevation (ft) 4,902.00		KB-Ground Distance (ft) 28.00		Spud Date 4/5/2022 11:00		Rig Release Date 4/13/2022 10:30		On Production Date		Abandon Date	

### Casing Run Tally

Run #	Ref #	Item Des	OD (in)	Wt (lb/ft)	Grade	Run?	Len (ft)	Centralized?	Ext Jw/ry	Connections	Top (ftKB)	Cum Len (ft)
69	62	Casing Joints	5 1/2	20.00	P-110	Yes	43.70	Yes			15,394.7	2,717.32
71	64	Casing Joints	5 1/2	20.00	P-110	Yes	40.05	Yes			15,311.8	2,800.19
73	66	Casing Joints	5 1/2	20.00	P-110	Yes	43.07	Yes			15,225.1	2,886.91
75	68	Casing Joints	5 1/2	20.00	P-110	Yes	43.20	Yes			15,139.0	2,972.96
77	70	Casing Joints	5 1/2	20.00	P-110	Yes	43.33	Yes			15,053.0	3,059.01
79	72	Casing Joints	5 1/2	20.00	P-110	Yes	42.80	Yes			14,966.8	3,145.16
81	74	Casing Joints	5 1/2	20.00	P-110	Yes	43.38	Yes			14,880.6	3,231.42
83	76	Casing Joints	5 1/2	20.00	P-110	Yes	43.35	Yes			14,793.9	3,318.15
85	78	Casing Joints	5 1/2	20.00	P-110	Yes	43.16	Yes			14,707.9	3,404.13
87	80	Casing Joints	5 1/2	20.00	P-110	Yes	43.03	Yes			14,621.8	3,490.17
89	82	Casing Joints	5 1/2	20.00	P-110	Yes	43.01	Yes			14,534.8	3,577.18
91	84	Casing Joints	5 1/2	20.00	P-110	Yes	43.33	Yes			14,448.2	3,663.84
93	86	Casing Joints	5 1/2	20.00	P-110	Yes	43.06	Yes			14,362.8	3,749.20
95	88	Casing Joints	5 1/2	20.00	P-110	Yes	42.98	Yes			14,276.7	3,835.31
97	90	Casing Joints	5 1/2	20.00	P-110	Yes	43.34	Yes			14,191.1	3,920.87
99	92	Casing Joints	5 1/2	20.00	P-110	Yes	42.85	Yes			14,104.9	4,007.07
101	94	Casing Joints	5 1/2	20.00	P-110	Yes	42.74	Yes			14,019.5	4,092.53
103	96	Casing Joints	5 1/2	20.00	P-110	Yes	42.68	Yes			13,934.4	4,177.56
105	98	Casing Joints	5 1/2	20.00	P-110	Yes	43.33	Yes			13,848.1	4,263.94
107	100	Casing Joints	5 1/2	20.00	P-110	Yes	43.34	Yes			13,761.4	4,350.61
109	102	Casing Joints	5 1/2	20.00	P-110	Yes	43.58	Yes			13,675.9	4,436.09
111	104	Casing Joints	5 1/2	20.00	P-110	Yes	43.04	Yes			13,590.9	4,521.08
113	106	Casing Joints	5 1/2	20.00	P-110	Yes	41.73	Yes			13,506.2	4,605.85
115	108	Casing Joints	5 1/2	20.00	P-110	Yes	40.38	Yes			13,422.7	4,689.30
117	110	Casing Joints	5 1/2	20.00	P-110	Yes	43.43	Yes			13,336.2	4,775.81
119	112	Casing Joints	5 1/2	20.00	P-110	Yes	42.15	Yes			13,251.2	4,860.78
121	114	Casing Joints	5 1/2	20.00	P-110	Yes	42.08	Yes			13,167.0	4,944.97
123	116	Casing Joints	5 1/2	20.00	P-110	Yes	42.67	Yes			13,081.1	5,030.90
125	118	Casing Joints	5 1/2	20.00	P-110	Yes	43.03	Yes			12,994.1	5,117.88
127	120	Casing Joints	5 1/2	20.00	P-110	Yes	43.26	Yes			12,907.8	5,204.18
129	122	Casing Joints	5 1/2	20.00	P-110	Yes	42.98	Yes			12,822.0	5,290.01



## Centralizer Depths

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Production, Set Depth: 18,112.0ftKB

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Ground Elevation (ft) 4,874.00		Original KB Elevation (ft) 4,902.00		KB-Ground Distance (ft) 28.00		Spud Date 4/5/2022 11:00		Rig Release Date 4/13/2022 10:30		On Production Date		Abandon Date	

### Casing Run Tally

Run #	Ref #	Item Des	OD (in)	Wt (lb/ft)	Grade	Run?	Len (ft)	Centralized?	Ext Jwlry	Connections	Top (ftKB)	Cum Len (ft)
131	124	Casing Joints	5 1/2	20.00	P-110	Yes	43.25	Yes			12,735.3	5,376.69
133	126	Casing Joints	5 1/2	20.00	P-110	Yes	43.98	Yes			12,648.6	5,463.42
135		Marker Joint B	5 1/2	20.00	P-110	Yes	9.65	Yes			12,596.7	5,515.27
137	129	Casing Joints	5 1/2	20.00	P-110	Yes	40.45	Yes			12,513.4	5,598.63
139	131	Casing Joints	5 1/2	20.00	P-110	Yes	43.44	Yes			12,428.0	5,684.05
141	133	Casing Joints	5 1/2	20.00	P-110	Yes	44.02	Yes			12,340.1	5,771.90
143	135	Casing Joints	5 1/2	20.00	P-110	Yes	41.78	Yes			12,257.7	5,854.33
145	137	Casing Joints	5 1/2	20.00	P-110	Yes	42.10	Yes			12,172.5	5,939.48
147	139	Casing Joints	5 1/2	20.00	P-110	Yes	43.22	Yes			12,086.8	6,025.22
149	141	Casing Joints	5 1/2	20.00	P-110	Yes	43.30	Yes			12,000.3	6,111.75
151	143	Casing Joints	5 1/2	20.00	P-110	Yes	43.99	Yes			11,913.8	6,198.22
153	145	Casing Joints	5 1/2	20.00	P-110	Yes	40.95	Yes			11,829.8	6,282.19
155	147	Casing Joints	5 1/2	20.00	P-110	Yes	43.65	Yes			11,743.0	6,369.05
157	149	Casing Joints	5 1/2	20.00	P-110	Yes	41.25	Yes			11,658.1	6,453.95
159	151	Casing Joints	5 1/2	20.00	P-110	Yes	43.38	Yes			11,571.7	6,540.33
161	153	Casing Joints	5 1/2	20.00	P-110	Yes	43.35	Yes			11,485.6	6,626.42
163	155	Casing Joints	5 1/2	20.00	P-110	Yes	43.41	Yes			11,398.5	6,713.51
165	157	Casing Joints	5 1/2	20.00	P-110	Yes	42.60	Yes			11,312.6	6,799.45
167	159	Casing Joints	5 1/2	20.00	P-110	Yes	42.71	Yes			11,226.8	6,885.21
169	161	Casing Joints	5 1/2	20.00	P-110	Yes	43.36	Yes			11,140.8	6,971.17
171	163	Casing Joints	5 1/2	20.00	P-110	Yes	43.00	Yes			11,054.5	7,057.52
173	165	Casing Joints	5 1/2	20.00	P-110	Yes	43.35	Yes			10,968.1	7,143.92
175	167	Casing Joints	5 1/2	20.00	P-110	Yes	43.15	Yes			10,881.6	7,230.42
177	169	Casing Joints	5 1/2	20.00	P-110	Yes	43.41	Yes			10,794.8	7,317.23
179	171	Casing Joints	5 1/2	20.00	P-110	Yes	43.05	Yes			10,708.4	7,403.63
181	173	Casing Joints	5 1/2	20.00	P-110	Yes	43.70	Yes			10,621.7	7,490.28
183	175	Casing Joints	5 1/2	20.00	P-110	Yes	41.85	Yes			10,536.8	7,575.21
185	177	Casing Joints	5 1/2	20.00	P-110	Yes	43.10	Yes			10,450.9	7,661.09
187	179	Casing Joints	5 1/2	20.00	P-110	Yes	42.32	Yes			10,365.3	7,746.73
189	181	Casing Joints	5 1/2	20.00	P-110	Yes	43.45	Yes			10,279.6	7,832.43
191	183	Casing Joints	5 1/2	20.00	P-110	Yes	43.01	Yes			10,193.5	7,918.50



## Centralizer Depths

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Production, Set Depth: 18,112.0ftKB

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Ground Elevation (ft) 4,874.00		Original KB Elevation (ft) 4,902.00		KB-Ground Distance (ft) 28.00		Spud Date 4/5/2022 11:00		Rig Release Date 4/13/2022 10:30		On Production Date		Abandon Date	

### Casing Run Tally

Run #	Ref #	Item Des	OD (in)	Wt (lb/ft)	Grade	Run?	Len (ft)	Centralized?	Ext Jwlry	Connections	Top (ftKB)	Cum Len (ft)
193	185	Casing Joints	5 1/2	20.00	P-110	Yes	43.35	Yes			10,106.8	8,005.19
195	187	Casing Joints	5 1/2	20.00	P-110	Yes	42.34	Yes			10,021.4	8,090.56
197	189	Casing Joints	5 1/2	20.00	P-110	Yes	42.24	Yes			9,936.2	8,175.83
199	191	Casing Joints	5 1/2	20.00	P-110	Yes	43.99	Yes			9,849.1	8,262.88
201	193	Casing Joints	5 1/2	20.00	P-110	Yes	43.51	Yes			9,762.2	8,349.77
203	195	Casing Joints	5 1/2	20.00	P-110	Yes	43.34	Yes			9,677.4	8,434.58
205	197	Casing Joints	5 1/2	20.00	P-110	Yes	44.01	Yes			9,591.3	8,520.71
207	199	Casing Joints	5 1/2	20.00	P-110	Yes	42.45	Yes			9,505.8	8,606.22
209	201	Casing Joints	5 1/2	20.00	P-110	Yes	43.71	Yes			9,418.8	8,693.25
211	203	Casing Joints	5 1/2	20.00	P-110	Yes	43.55	Yes			9,331.8	8,780.19
213	205	Casing Joints	5 1/2	20.00	P-110	Yes	44.02	Yes			9,244.9	8,867.11
215	207	Casing Joints	5 1/2	20.00	P-110	Yes	41.46	Yes			9,160.6	8,951.37
217	209	Casing Joints	5 1/2	20.00	P-110	Yes	43.04	Yes			9,075.7	9,036.33
219	211	Casing Joints	5 1/2	20.00	P-110	Yes	42.70	Yes			8,990.8	9,121.23
221	213	Casing Joints	5 1/2	20.00	P-110	Yes	42.74	Yes			8,905.4	9,206.61
223	215	Casing Joints	5 1/2	20.00	P-110	Yes	43.04	Yes			8,819.3	9,292.71
225	217	Casing Joints	5 1/2	20.00	P-110	Yes	43.38	Yes			8,735.9	9,376.09
227	219	Casing Joints	5 1/2	20.00	P-110	Yes	43.70	Yes			8,648.7	9,463.32
229	221	Casing Joints	5 1/2	20.00	P-110	Yes	41.02	Yes			8,564.6	9,547.42
231	223	Casing Joints	5 1/2	20.00	P-110	Yes	43.01	Yes			8,478.6	9,633.44
233	225	Casing Joints	5 1/2	20.00	P-110	Yes	43.03	Yes			8,395.6	9,716.42
235	227	Casing Joints	5 1/2	20.00	P-110	Yes	43.40	Yes			8,309.1	9,802.87
237	229	Casing Joints	5 1/2	20.00	P-110	Yes	43.35	Yes			8,224.1	9,887.87
239		Marker Joint C	5 1/2	20.00	P-110	Yes	10.25	Yes			8,171.4	9,941.17
240	231	Casing Joints	5 1/2	20.00	P-110	Yes	43.07	Yes			8,128.3	9,984.24
241	232	Casing Joints	5 1/2	20.00	P-110	Yes	42.84	Yes			8,085.5	10,027.08
242	233	Casing Joints	5 1/2	20.00	P-110	Yes	42.81	Yes			8,042.7	10,069.89
243	234	Casing Joints	5 1/2	20.00	P-110	Yes	42.94	Yes			7,999.7	10,112.83
244	235	Casing Joints	5 1/2	20.00	P-110	Yes	41.65	Yes			7,958.1	10,154.48
245	236	Casing Joints	5 1/2	20.00	P-110	Yes	43.35	Yes			7,914.7	10,197.83
246	237	Casing Joints	5 1/2	20.00	P-110	Yes	44.04	Yes			7,870.7	10,241.87





## Centralizer Depths

Well Name: Bost Farm 16N-8B-L

Production, Set Depth: 18,112.0ftKB

API 05123514550000		Surface Legal Location SWNW 7 5N 66W		Field Name Wattenberg		State CO		Well Configuration Type Horizontal					
Ground Elevation (ft) 4,874.00		Original KB Elevation (ft) 4,902.00		KB-Ground Distance (ft) 28.00		Spud Date 4/5/2022 11:00		Rig Release Date 4/13/2022 10:30		On Production Date		Abandon Date	

### Casing Run Tally

Run #	Ref #	Item Des	OD (in)	Wt (lb/ft)	Grade	Run?	Len (ft)	Centralized?	Ext Jw/ry	Connections	Top (ftKB)	Cum Len (ft)
247	238	Casing Joints	5 1/2	20.00	P-110	Yes	42.94	Yes			7,827.7	10,284.81
248	239	Casing Joints	5 1/2	20.00	P-110	Yes	43.40	Yes			7,784.3	10,328.21
249	240	Casing Joints	5 1/2	20.00	P-110	Yes	43.30	Yes			7,741.0	10,371.51
250	241	Casing Joints	5 1/2	20.00	P-110	Yes	43.08	Yes			7,698.0	10,414.59
251	242	Casing Joints	5 1/2	20.00	P-110	Yes	43.38	Yes			7,654.6	10,457.97
252	243	Casing Joints	5 1/2	20.00	P-110	Yes	41.20	Yes			7,613.4	10,499.17
253	244	Casing Joints	5 1/2	20.00	P-110	Yes	42.65	Yes			7,570.7	10,541.82
254	245	Casing Joints	5 1/2	20.00	P-110	Yes	43.23	Yes			7,527.5	10,585.05
255	246	Casing Joints	5 1/2	20.00	P-110	Yes	43.06	Yes			7,484.4	10,628.11
256	247	Casing Joints	5 1/2	20.00	P-110	Yes	42.96	Yes			7,441.5	10,671.07
257	248	Casing Joints	5 1/2	20.00	P-110	Yes	43.81	Yes			7,397.7	10,714.88
258	249	Casing Joints	5 1/2	20.00	P-110	Yes	43.42	Yes			7,354.3	10,758.30
259	250	Casing Joints	5 1/2	20.00	P-110	Yes	43.01	Yes			7,311.2	10,801.31
260	251	Casing Joints	5 1/2	20.00	P-110	Yes	42.44	Yes			7,268.8	10,843.75
261	252	Casing Joints	5 1/2	20.00	P-110	Yes	43.04	Yes			7,225.8	10,886.79
262	253	Casing Joints	5 1/2	20.00	P-110	Yes	42.83	Yes			7,182.9	10,929.62
263	254	Casing Joints	5 1/2	20.00	P-110	Yes	43.01	Yes			7,139.9	10,972.63
264	255	Casing Joints	5 1/2	20.00	P-110	Yes	43.14	Yes			7,096.8	11,015.77
265	256	Casing Joints	5 1/2	20.00	P-110	Yes	43.35	Yes			7,053.4	11,059.12
266	257	Casing Joints	5 1/2	20.00	P-110	Yes	43.40	Yes			7,010.0	11,102.52
267	258	Casing Joints	5 1/2	20.00	P-110	Yes	43.03	Yes			6,967.0	11,145.55
268	259	Casing Joints	5 1/2	20.00	P-110	Yes	40.28	Yes			6,926.7	11,185.83
269	260	Casing Joints	5 1/2	20.00	P-110	Yes	43.38	Yes			6,883.3	11,229.21
270	261	Casing Joints	5 1/2	20.00	P-110	Yes	43.35	Yes			6,840.0	11,272.56
271		Marker Joint D	5 1/2	20.00	P-110	Yes	10.03	Yes			6,830.0	11,282.59
272	262	Casing Joints	5 1/2	20.00	P-110	Yes	43.02	Yes			6,786.9	11,325.61
273	263	Casing Joints	5 1/2	20.00	P-110	Yes	43.18	Yes			6,743.8	11,368.79
274	264	Casing Joints	5 1/2	20.00	P-110	Yes	43.38	Yes			6,700.4	11,412.17
275	265	Casing Joints	5 1/2	20.00	P-110	Yes	43.05	Yes			6,657.3	11,455.22
276	266	Casing Joints	5 1/2	20.00	P-110	Yes	42.71	Yes			6,614.6	11,497.93
277	267	Casing Joints	5 1/2	20.00	P-110	Yes	43.38	Yes			6,571.2	11,541.31



## Centralizer Depths

Well Name: Bost Farm 16N-8B-L

Production, Set Depth: 18,112.0ftKB

API 05123514550000		Surface Legal Location SWNW 7 5N 66W		Field Name Wattenberg		State CO		Well Configuration Type Horizontal					
Ground Elevation (ft) 4,874.00		Original KB Elevation (ft) 4,902.00		KB-Ground Distance (ft) 28.00		Spud Date 4/5/2022 11:00		Rig Release Date 4/13/2022 10:30		On Production Date		Abandon Date	

### Casing Run Tally

Run #	Ref #	Item Des	OD (in)	Wt (lb/ft)	Grade	Run?	Len (ft)	Centralized?	Ext Jw/ry	Connections	Top (ftKB)	Cum Len (ft)
278	268	Casing Joints	5 1/2	20.00	P-110	Yes	43.68	Yes			6,527.6	11,584.99
279	269	Casing Joints	5 1/2	20.00	P-110	Yes	39.83	Yes			6,487.7	11,624.82
280	270	Casing Joints	5 1/2	20.00	P-110	Yes	43.62	Yes			6,444.1	11,668.44
281	271	Casing Joints	5 1/2	20.00	P-110	Yes	43.26	Yes			6,400.9	11,711.70
282	272	Casing Joints	5 1/2	20.00	P-110	Yes	42.75	Yes			6,358.1	11,754.45
283	273	Casing Joints	5 1/2	20.00	P-110	Yes	43.24	Yes			6,314.9	11,797.69
284	274	Casing Joints	5 1/2	20.00	P-110	Yes	43.10	Yes			6,271.8	11,840.79
285	275	Casing Joints	5 1/2	20.00	P-110	Yes	43.70	Yes			6,228.1	11,884.49
286	276	Casing Joints	5 1/2	20.00	P-110	Yes	43.05	Yes			6,185.0	11,927.54
287	277	Casing Joints	5 1/2	20.00	P-110	Yes	42.92	Yes			6,142.1	11,970.46
288	278	Casing Joints	5 1/2	20.00	P-110	Yes	43.05	Yes			6,099.0	12,013.51
289	279	Casing Joints	5 1/2	20.00	P-110	Yes	43.40	Yes			6,055.6	12,056.91
290	280	Casing Joints	5 1/2	20.00	P-110	Yes	42.72	Yes			6,012.9	12,099.63
291	281	Casing Joints	5 1/2	20.00	P-110	Yes	43.42	Yes			5,969.5	12,143.05
292	282	Casing Joints	5 1/2	20.00	P-110	Yes	43.03	Yes			5,926.5	12,186.08
293	283	Casing Joints	5 1/2	20.00	P-110	Yes	43.52	Yes			5,883.0	12,229.60
294	284	Casing Joints	5 1/2	20.00	P-110	Yes	42.66	Yes			5,840.3	12,272.26
295	285	Casing Joints	5 1/2	20.00	P-110	Yes	43.55	Yes			5,796.7	12,315.81
296	286	Casing Joints	5 1/2	20.00	P-110	Yes	43.04	Yes			5,753.7	12,358.85
297	287	Casing Joints	5 1/2	20.00	P-110	Yes	43.94	Yes			5,709.8	12,402.79
298	288	Casing Joints	5 1/2	20.00	P-110	Yes	40.01	Yes			5,669.8	12,442.80
299	289	Casing Joints	5 1/2	20.00	P-110	Yes	42.98	Yes			5,626.8	12,485.78
300	290	Casing Joints	5 1/2	20.00	P-110	Yes	43.35	Yes			5,583.4	12,529.13
301	291	Casing Joints	5 1/2	20.00	P-110	Yes	43.01	Yes			5,540.4	12,572.14
302	292	Casing Joints	5 1/2	20.00	P-110	Yes	43.33	Yes			5,497.1	12,615.47
303	293	Casing Joints	5 1/2	20.00	P-110	Yes	43.32	Yes			5,453.8	12,658.79
304	294	Casing Joints	5 1/2	20.00	P-110	Yes	43.35	Yes			5,410.4	12,702.14
305	295	Casing Joints	5 1/2	20.00	P-110	Yes	42.95	Yes			5,367.5	12,745.09
306	296	Casing Joints	5 1/2	20.00	P-110	Yes	43.34	Yes			5,324.1	12,788.43
307	297	Casing Joints	5 1/2	20.00	P-110	Yes	42.99	Yes			5,281.1	12,831.42
308	298	Casing Joints	5 1/2	20.00	P-110	Yes	42.95	Yes			5,238.2	12,874.37



## Centralizer Depths

Well Name: Bost Farm 16N-8B-L

Production, Set Depth: 18,112.0ftKB

API 05123514550000		Surface Legal Location SWNW 7 5N 66W		Field Name Wattenberg		State CO		Well Configuration Type Horizontal					
Ground Elevation (ft) 4,874.00		Original KB Elevation (ft) 4,902.00		KB-Ground Distance (ft) 28.00		Spud Date 4/5/2022 11:00		Rig Release Date 4/13/2022 10:30		On Production Date		Abandon Date	

### Casing Run Tally

Run #	Ref #	Item Des	OD (in)	Wt (lb/ft)	Grade	Run?	Len (ft)	Centralized?	Ext Jw/ry	Connections	Top (ftKB)	Cum Len (ft)
309	299	Casing Joints	5 1/2	20.00	P-110	Yes	43.05	Yes			5,195.1	12,917.42
310	300	Casing Joints	5 1/2	20.00	P-110	Yes	43.02	Yes			5,152.1	12,960.44
311	301	Casing Joints	5 1/2	20.00	P-110	Yes	43.12	Yes			5,109.0	13,003.56
312	302	Casing Joints	5 1/2	20.00	P-110	Yes	42.71	Yes			5,066.3	13,046.27
313	303	Casing Joints	5 1/2	20.00	P-110	Yes	40.76	Yes			5,025.5	13,087.03
314	304	Casing Joints	5 1/2	20.00	P-110	Yes	43.70	Yes			4,981.8	13,130.73
315	305	Casing Joints	5 1/2	20.00	P-110	Yes	43.01	Yes			4,938.8	13,173.74
316	306	Casing Joints	5 1/2	20.00	P-110	Yes	43.34	Yes			4,895.5	13,217.08
317	307	Casing Joints	5 1/2	20.00	P-110	Yes	44.00	Yes			4,851.5	13,261.08
318	308	Casing Joints	5 1/2	20.00	P-110	Yes	43.21	Yes			4,808.3	13,304.29
319	309	Casing Joints	5 1/2	20.00	P-110	Yes	43.36	Yes			4,764.9	13,347.65
320	310	Casing Joints	5 1/2	20.00	P-110	Yes	43.37	Yes			4,721.5	13,391.02
321	311	Casing Joints	5 1/2	20.00	P-110	Yes	43.40	Yes			4,678.1	13,434.42
322	312	Casing Joints	5 1/2	20.00	P-110	Yes	43.39	Yes			4,634.7	13,477.81
323	313	Casing Joints	5 1/2	20.00	P-110	Yes	43.40	Yes			4,591.3	13,521.21
324	314	Casing Joints	5 1/2	20.00	P-110	Yes	43.34	Yes			4,548.0	13,564.55
325	315	Casing Joints	5 1/2	20.00	P-110	Yes	42.87	Yes			4,505.1	13,607.42
326	316	Casing Joints	5 1/2	20.00	P-110	Yes	43.36	Yes			4,461.8	13,650.78
327	317	Casing Joints	5 1/2	20.00	P-110	Yes	40.97	Yes			4,420.8	13,691.75
328	318	Casing Joints	5 1/2	20.00	P-110	Yes	42.37	Yes			4,378.4	13,734.12
329	319	Casing Joints	5 1/2	20.00	P-110	Yes	43.39	Yes			4,335.0	13,777.51
330	320	Casing Joints	5 1/2	20.00	P-110	Yes	43.34	Yes			4,291.7	13,820.85
331	321	Casing Joints	5 1/2	20.00	P-110	Yes	43.37	Yes			4,248.3	13,864.22
332	322	Casing Joints	5 1/2	20.00	P-110	Yes	43.25	Yes			4,205.1	13,907.47
333	323	Casing Joints	5 1/2	20.00	P-110	Yes	42.84	Yes			4,162.2	13,950.31
334	324	Casing Joints	5 1/2	20.00	P-110	Yes	43.40	Yes			4,118.8	13,993.71
335	325	Casing Joints	5 1/2	20.00	P-110	Yes	43.40	Yes			4,075.4	14,037.11
336	326	Casing Joints	5 1/2	20.00	P-110	Yes	43.95	Yes			4,031.5	14,081.06
337	327	Casing Joints	5 1/2	20.00	P-110	Yes	43.02	Yes			3,988.5	14,124.08
338	328	Casing Joints	5 1/2	20.00	P-110	Yes	43.03	Yes			3,945.4	14,167.11
339	329	Casing Joints	5 1/2	20.00	P-110	Yes	41.90	Yes			3,903.5	14,209.01



## Centralizer Depths

Well Name: Bost Farm 16N-8B-L

Production, Set Depth: 18,112.0ftKB

API 05123514550000		Surface Legal Location SWNW 7 5N 66W		Field Name Wattenberg		State CO		Well Configuration Type Horizontal					
Ground Elevation (ft) 4,874.00		Original KB Elevation (ft) 4,902.00		KB-Ground Distance (ft) 28.00		Spud Date 4/5/2022 11:00		Rig Release Date 4/13/2022 10:30		On Production Date		Abandon Date	

### Casing Run Tally

Run #	Ref #	Item Des	OD (in)	Wt (lb/ft)	Grade	Run?	Len (ft)	Centralized?	Ext Jwlry	Connections	Top (ftKB)	Cum Len (ft)
340	330	Casing Joints	5 1/2	20.00	P-110	Yes	43.05	Yes			3,860.5	14,252.06
341	331	Casing Joints	5 1/2	20.00	P-110	Yes	44.06	Yes			3,816.4	14,296.12
342	332	Casing Joints	5 1/2	20.00	P-110	Yes	43.07	Yes			3,773.4	14,339.19
343	333	Casing Joints	5 1/2	20.00	P-110	Yes	43.37	Yes			3,730.0	14,382.56
344	334	Casing Joints	5 1/2	20.00	P-110	Yes	43.31	Yes			3,686.7	14,425.87
345	335	Casing Joints	5 1/2	20.00	P-110	Yes	43.37	Yes			3,643.3	14,469.24
346	336	Casing Joints	5 1/2	20.00	P-110	Yes	43.38	Yes			3,599.9	14,512.62
347	337	Casing Joints	5 1/2	20.00	P-110	Yes	40.38	Yes			3,559.6	14,553.00
348	338	Casing Joints	5 1/2	20.00	P-110	Yes	42.64	Yes			3,516.9	14,595.64
349	339	Casing Joints	5 1/2	20.00	P-110	Yes	43.33	Yes			3,473.6	14,638.97
350	340	Casing Joints	5 1/2	20.00	P-110	Yes	43.36	Yes			3,430.2	14,682.33
351	341	Casing Joints	5 1/2	20.00	P-110	Yes	43.35	Yes			3,386.9	14,725.68
352	342	Casing Joints	5 1/2	20.00	P-110	Yes	44.00	Yes			3,342.9	14,769.68
353	343	Casing Joints	5 1/2	20.00	P-110	Yes	40.75	Yes			3,302.1	14,810.43
354	344	Casing Joints	5 1/2	20.00	P-110	Yes	42.22	Yes			3,259.9	14,852.65
355	345	Casing Joints	5 1/2	20.00	P-110	Yes	43.34	Yes			3,216.6	14,895.99
356	346	Casing Joints	5 1/2	20.00	P-110	Yes	42.44	Yes			3,174.1	14,938.43
357	347	Casing Joints	5 1/2	20.00	P-110	Yes	42.87	Yes			3,131.3	14,981.30
358	348	Casing Joints	5 1/2	20.00	P-110	Yes	43.02	Yes			3,088.2	15,024.32
359		Cross Over	5 1/2	20.00	P-110	Yes	5.12	Yes			3,083.1	15,029.44
360		PACKER	5 1/2	20.00	P-110	Yes	15.14	Yes			3,068.0	15,044.58
361		Cross Over	5 1/2	20.00	P-110	Yes	5.01	Yes			3,063.0	15,049.59
362	349	Casing Joints	5 1/2	20.00	P-110	Yes	43.30	Yes			3,019.7	15,092.89
363	350	Casing Joints	5 1/2	20.00	P-110	Yes	42.75	Yes			2,976.9	15,135.64
364	351	Casing Joints	5 1/2	20.00	P-110	Yes	42.74	Yes			2,934.2	15,178.38
365	352	Casing Joints	5 1/2	20.00	P-110	Yes	43.88	Yes			2,890.3	15,222.26
366	353	Casing Joints	5 1/2	20.00	P-110	Yes	43.94	Yes			2,846.3	15,266.20
367	354	Casing Joints	5 1/2	20.00	P-110	Yes	43.34	Yes			2,803.0	15,309.54
368	355	Casing Joints	5 1/2	20.00	P-110	Yes	43.02	Yes			2,760.0	15,352.56
369	356	Casing Joints	5 1/2	20.00	P-110	Yes	43.39	Yes			2,716.6	15,395.95
370	357	Casing Joints	5 1/2	20.00	P-110	Yes	43.38	Yes			2,673.2	15,439.33
371	358	Casing Joints	5 1/2	20.00	P-110	Yes	43.40	Yes			2,629.8	15,482.73



## Centralizer Depths

Well Name: Bost Farm 16N-8B-L

Production, Set Depth: 18,112.0ftKB

API 05123514550000		Surface Legal Location SWNW 7 5N 66W		Field Name Wattenberg		State CO		Well Configuration Type Horizontal					
Ground Elevation (ft) 4,874.00		Original KB Elevation (ft) 4,902.00		KB-Ground Distance (ft) 28.00		Spud Date 4/5/2022 11:00		Rig Release Date 4/13/2022 10:30		On Production Date		Abandon Date	

### Casing Run Tally

Run #	Ref #	Item Des	OD (in)	Wt (lb/ft)	Grade	Run?	Len (ft)	Centralized?	Ext Jw/ry	Connections	Top (ftKB)	Cum Len (ft)
372	359	Casing Joints	5 1/2	20.00	P-110	Yes	44.00	Yes			2,585.8	15,526.73
373	360	Casing Joints	5 1/2	20.00	P-110	Yes	43.35	Yes			2,542.5	15,570.08
374	361	Casing Joints	5 1/2	20.00	P-110	Yes	38.61	Yes			2,503.9	15,608.69
375	362	Casing Joints	5 1/2	20.00	P-110	Yes	43.07	Yes			2,460.8	15,651.76
376	363	Casing Joints	5 1/2	20.00	P-110	Yes	43.36	Yes			2,417.4	15,695.12
377	364	Casing Joints	5 1/2	20.00	P-110	Yes	42.98	Yes			2,374.4	15,738.10
378	365	Casing Joints	5 1/2	20.00	P-110	Yes	43.36	Yes			2,331.1	15,781.46
379	366	Casing Joints	5 1/2	20.00	P-110	Yes	43.35	Yes			2,287.7	15,824.81
380	367	Casing Joints	5 1/2	20.00	P-110	Yes	43.37	Yes			2,244.4	15,868.18
381	368	Casing Joints	5 1/2	20.00	P-110	Yes	43.28	Yes			2,201.1	15,911.46
382	369	Casing Joints	5 1/2	20.00	P-110	Yes	42.86	Yes			2,158.2	15,954.32
383	370	Casing Joints	5 1/2	20.00	P-110	Yes	43.04	Yes			2,115.2	15,997.36
384	371	Casing Joints	5 1/2	20.00	P-110	Yes	42.63	Yes			2,072.6	16,039.99
385	372	Casing Joints	5 1/2	20.00	P-110	Yes	41.41	Yes			2,031.1	16,081.40
386	373	Casing Joints	5 1/2	20.00	P-110	Yes	41.92	Yes			1,989.2	16,123.32
387	374	Casing Joints	5 1/2	20.00	P-110	Yes	42.93	Yes			1,946.3	16,166.25
388	375	Casing Joints	5 1/2	20.00	P-110	Yes	43.44	Yes			1,902.9	16,209.69
389	376	Casing Joints	5 1/2	20.00	P-110	Yes	43.42	Yes			1,859.4	16,253.11
390	377	Casing Joints	5 1/2	20.00	P-110	Yes	43.03	Yes			1,816.4	16,296.14
391	378	Casing Joints	5 1/2	20.00	P-110	Yes	43.34	Yes			1,773.1	16,339.48
392	379	Casing Joints	5 1/2	20.00	P-110	Yes	43.04	Yes			1,730.0	16,382.52
393	380	Casing Joints	5 1/2	20.00	P-110	Yes	43.36	Yes			1,686.7	16,425.88
394	381	Casing Joints	5 1/2	20.00	P-110	Yes	43.42	Yes			1,643.2	16,469.30
395	382	Casing Joints	5 1/2	20.00	P-110	Yes	43.22	Yes			1,600.0	16,512.52
396	383	Casing Joints	5 1/2	20.00	P-110	Yes	43.34	Yes			1,556.7	16,555.86
397	384	Casing Joints	5 1/2	20.00	P-110	Yes	43.35	Yes			1,513.3	16,599.21
398	385	Casing Joints	5 1/2	20.00	P-110	Yes	43.34	Yes			1,470.0	16,642.55
399	386	Casing Joints	5 1/2	20.00	P-110	Yes	43.36	Yes			1,426.6	16,685.91
400	387	Casing Joints	5 1/2	20.00	P-110	Yes	40.32	Yes			1,386.3	16,726.23
401	388	Casing Joints	5 1/2	20.00	P-110	Yes	43.74	Yes			1,342.6	16,769.97
402	389	Casing Joints	5 1/2	20.00	P-110	Yes	43.05	Yes			1,299.5	16,813.02



## Centralizer Depths

Well Name: Bost Farm 16N-8B-L

Production, Set Depth: 18,112.0ftKB

API 05123514550000		Surface Legal Location SWNW 7 5N 66W		Field Name Wattenberg		State CO		Well Configuration Type Horizontal					
Ground Elevation (ft) 4,874.00		Original KB Elevation (ft) 4,902.00		KB-Ground Distance (ft) 28.00		Spud Date 4/5/2022 11:00		Rig Release Date 4/13/2022 10:30		On Production Date		Abandon Date	

### Casing Run Tally

Run #	Ref #	Item Des	OD (in)	Wt (lb/ft)	Grade	Run?	Len (ft)	Centralized?	Ext Jw/ry	Connections	Top (ftKB)	Cum Len (ft)
403	390	Casing Joints	5 1/2	20.00	P-110	Yes	42.81	Yes			1,256.7	16,855.83
404	391	Casing Joints	5 1/2	20.00	P-110	Yes	43.12	Yes			1,213.6	16,898.95
405	392	Casing Joints	5 1/2	20.00	P-110	Yes	43.00	Yes			1,170.6	16,941.95
406	393	Casing Joints	5 1/2	20.00	P-110	Yes	43.38	Yes			1,127.2	16,985.33
407	394	Casing Joints	5 1/2	20.00	P-110	Yes	39.82	Yes			1,087.4	17,025.15
408	395	Casing Joints	5 1/2	20.00	P-110	Yes	43.35	Yes			1,044.0	17,068.50
409	396	Casing Joints	5 1/2	20.00	P-110	Yes	41.08	Yes			1,003.0	17,109.58
410	397	Casing Joints	5 1/2	20.00	P-110	Yes	40.95	Yes			962.0	17,150.53
411	398	Casing Joints	5 1/2	20.00	P-110	Yes	40.94	Yes			921.1	17,191.47
412	399	Casing Joints	5 1/2	20.00	P-110	Yes	40.52	Yes			880.6	17,231.99
413	400	Casing Joints	5 1/2	20.00	P-110	Yes	43.71	Yes			836.8	17,275.70
414	401	Casing Joints	5 1/2	20.00	P-110	Yes	40.73	Yes			796.1	17,316.43
415	402	Casing Joints	5 1/2	20.00	P-110	Yes	40.58	Yes			755.5	17,357.01
416	403	Casing Joints	5 1/2	20.00	P-110	Yes	40.56	Yes			715.0	17,397.57
417	404	Casing Joints	5 1/2	20.00	P-110	Yes	40.56	Yes			674.4	17,438.13
418	405	Casing Joints	5 1/2	20.00	P-110	Yes	41.04	Yes			633.4	17,479.17
419	406	Casing Joints	5 1/2	20.00	P-110	Yes	42.92	Yes			590.5	17,522.09
420	407	Casing Joints	5 1/2	20.00	P-110	Yes	43.35	Yes			547.1	17,565.44
421	408	Casing Joints	5 1/2	20.00	P-110	Yes	43.05	Yes			504.1	17,608.49
422	409	Casing Joints	5 1/2	20.00	P-110	Yes	40.95	Yes			463.1	17,649.44