

Cement Post Job Report

Client: PDC Energy

Well Name: Ottesen 22C

API #: 05-123-44370

Job Date: October 31, 2023

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 | WELL | RIG | JOB TYPE | THREAD TYPE | WELLHEAD CONNECTION |
|-------------------|--------------------|----------------|-------------------|-----------------|---------------------------|
| PDC Energy | Ottesen 22C | True 41 | Production | Buttress | 5 1/2" Cement Head |

| WELL MD (FT) | WELL TVD (FT) | DEVIATION (DEG) | NUMBER OF STAGES | BHST (DEG) | BHCT (DEG) |
|--------------|---------------|-----------------|------------------|------------|------------|
| 17844 | 7704 | 90 | 1 | 230 | 230 |

| PACKER/RETAINER/CIBP/DV TOOL DEPTHS | TOOL TYPE | TOP OF PERFS (FT) | BOTTOM OF PERFS (FT) | NUMBER OF HOLES |
|-------------------------------------|-----------|-------------------|----------------------|-----------------|
| | | | | |

| CASING/TUBING/DP DETAILS | | | | | | | | |
|------------------------------|--------------|--------------|-------------|--------------|--------------|---------------------|---------------|------------------|
| STRING TYPE | GRADE | OD" | WT/FT | ID" | OH SIZE" | % EXCESS LEAD | % EXCESS TAIL | TOTAL DEPTH (FT) |
| Surface | | 9.625 | 36 | 8.921 | 12.25 | | | 2511 |
| Production | P-110 | 5.5 | 20 | 4.778 | 8.5 | 0 | 0 | 17836 |
| MAXIMUM CASING/TUBING/DP PSI | | | 9888 | | | MAXIMUM ANNULAR PSI | | 4500 |

| Mud Type | OBM | Rotate Y,N | No | Circulation Data | | | | Water Requirements (bbls) | |
|-------------|------------|--------------------|-----------|----------------------------|--|--------------------------|-------|---------------------------|-------------|
| Mud ppg | 9.9 | Rate (rpm) | | Circulate Time (hrs) | | 2 | | Spacers | 160 |
| Flow Temp | 115 | Torque Val. | | Circulation Rate (bpm) | | 11 | | Stage 1 Lead | 112 |
| Vis. Sec/qt | 46 | Time (hr) | | Full Circulation ? (Y,N,P) | | Yes | | Stage 1 Tail | 243 |
| PV (cP) | 14 | Pipe Reciprocation | | Gas Present (Y,N) | | No | Units | Stage 2 Lead | |
| Yield Pt | 6 | Recip Y,N | No | Centralizers/Plugs | | | | | |
| 10 sec gel | 3 | Stroke (ft) | | Quantity & Type | | CUSTOMER PROVIDED | | | |
| 10 min gel | 7 | Recip time | | Top Plug/Type | | CUSTOMER PROVIDED | | | |
| 30 min gel | 9 | Stuck ? | | Bottom Plug/Type | | CUSTOMER PROVIDED | | | |
| | | | | | | | | Stage 2 Tail | |
| | | | | | | | | Displacement | 396 |
| | | | | | | | | Wash up | 20 |
| | | | | | | | | Total + 10% Safety | 1024 |

| Preflush & Spacers | | Stage 1 Lead - Class G | | Stage 1 Tail - Class G | | Stage 2 Lead | | Stage 2 Tail | | Displacement | |
|--------------------|---------------|------------------------|--------------|------------------------|--------------|--------------|------------|--------------|------------|--------------|--------------|
| Spacer 1 | Spacer | Density | 12.9 | Density | 13.7 | Density | | Density | | Fluid Type | Water |
| Density | 12 | Sacks | 1276 | Sacks | 1535 | Sacks | | Sacks | | Dens. ppg | 8.33 |
| Volume | 160 | Vol/bbbls | 256.8 | Vol/bbbls | 374.5 | Vol/bbbls | 0.0 | Vol/bbbls | 0.0 | Vol. bbl | 395.6 |
| Rate | 11 | Rate | 11 | Rate | 11 | Rate | | Rate | | Rate bpm | 11 |
| Spacer 2 | | Yield | 1.13 | Yield | 1.37 | Yield | | Yield | | Clay Stay? | No |
| Density | | Gal/Sk | 3.68 | Gal/Sk | 6.63 | Gal/Sk | | Gal/Sk | | Biocide ? | Yes |
| Volume | | % Excess | 0 | % Excess | 0 | % Excess | | % Excess | | Slow @ bbl | 376 |
| Rate | | TOL (ft) | 2601 | TOT (ft) | 8896 | TOL (ft) | | TOT (ft) | | Bump PSI | 3400 |

| | |
|--------------------------------------|--------------|
| Final Displacement (bbbls) | 395.6 |
| Bump Plug? | Yes |
| Final Bump Pressure (psi) | 3900 |
| Full Returns throughout job? | Full |
| Vol. away/Time when returns lost | |
| Vol. away when returns were regained | |
| Spacer to Surface? | Yes |
| Spacer volume returned (bbbls) | 36 |
| Cement to surface? | No |
| Cement volume to surface stage 1 | 0 |
| Cement volume to surface stage 2 | |

| Surface Top Out Details-Pumped | Job Summary Additional Chems Used | |
|--------------------------------|-----------------------------------|------------|
| Cement Type | MFC 47 (gal) | 70 |
| Dens. ppg | NA MFC 67 (gal) | 168 |
| Sacks qty | NA Defoamer (gal) | 30 |
| Gal/sk | NA Biocide (gal) | 20 |
| Yield | NA Corr. Inhib (gal) | NA |
| Lbs. of chloride used | NA Fiber (lbs) | 290 |
| Top out pipe used ? | NA Chloride (lbs) | NA |
| Feet of top out pipe | NA Retarder (lbs) | NA |
| Annulus holding? | NA Clay Stabilizer (gal) | NA |
| Sodium Silicate Used | NA Other | |

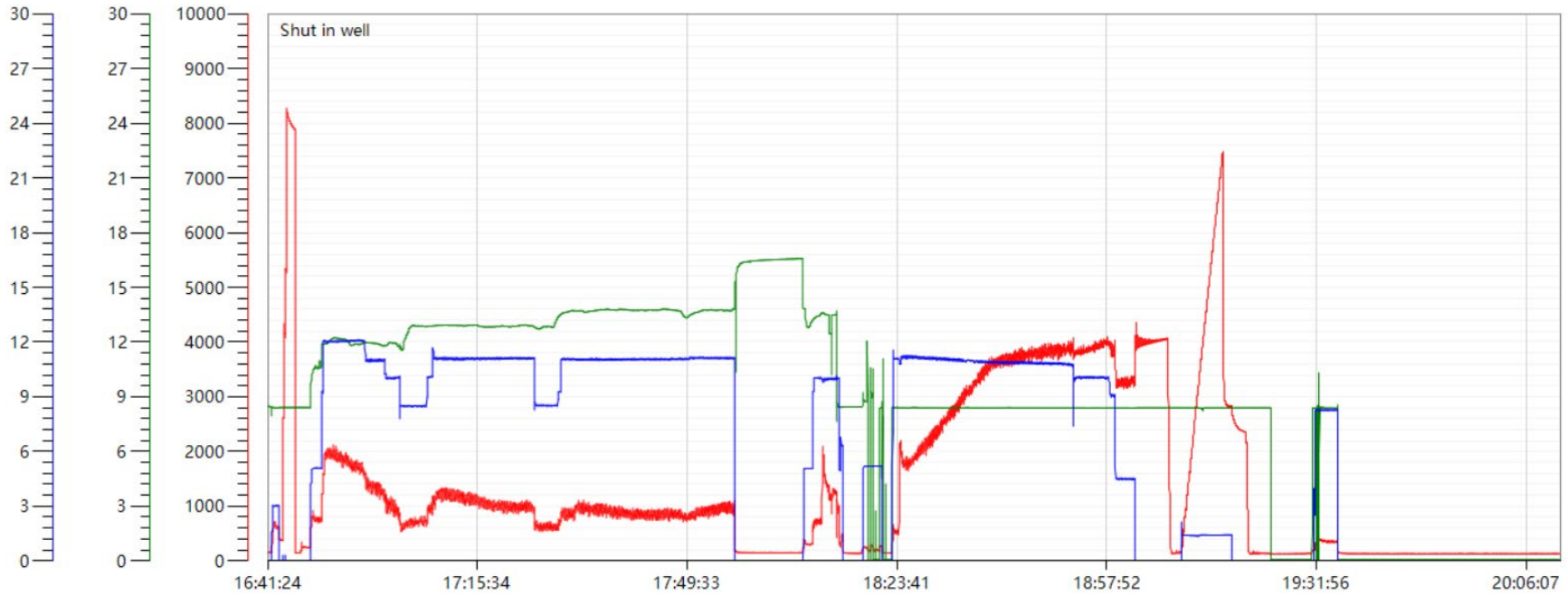
JOB LOG

| CLIENT | WELL | RIG | JOB TYPE | START DATE | Ambient Conditions | | |
|--------------|--------------|---------------|------------|------------|---|----------|---|
| PDC Energy | Ottesen 22C | True 41 | Production | 10/31/2023 | Temp / Hum / Air Press 42 Deg F / 43% / 25.14 in | | |
| DATE (dd/mm) | TIME (hh:mm) | DENSITY (ppg) | RATE (bpm) | VOL (bbl) | TOTAL VOL. | PRESSURE | TREATMENT COMMENTS |
| 10/31/2023 | 6:30:00 AM | | | | | | CREW CALLED OUT FOR ON LOCATION TIME OF 14:00 10/31/2023 |
| 10/31/2023 | 1:15:00 PM | | | | | | CREW ARRIVES AT CUSTOMER LOCATION |
| 10/31/2023 | 1:15:00 PM | | | | | | WAITING ON RIG TO FINISH RUNNING CASING |
| 10/31/2023 | 2:00:00 PM | | | | | | RIG UP ALL IRON AND HOSES |
| 10/31/2023 | 2:00:00 PM | | | | | | RIG CIRCULATING |
| 10/31/2023 | 4:25:00 PM | | | | | | SAFETY MEETING WITH EXERO CREW, RIG CREW, TOOL REP, AND CUSTOMER REP |
| 10/31/2023 | 4:38:00 PM | | | | | | RIG UP TO WELL AND DROP BOTTOM PLUG |
| 10/31/2023 | 4:40:00 PM | 8.34 | 3.0 | 3 | 3 | 700 | FILL LINES WITH 3 BBLs FRESH WATER |
| 10/31/2023 | 4:42:00 PM | | | | | 8200 | PRESSURE TEST PUMP AND LINES |
| 10/31/2023 | 4:46:00 PM | 12 | 5.0 | 0 | 0 | 800 | BEGIN PUMPING 12 PPG SPACER + SURFACTANT + FIBER |
| 10/31/2023 | 4:51:00 PM | 12 | 12.0 | 50 | 50 | 1900 | PUMPING SPACER |
| 10/31/2023 | 4:56:00 PM | 12 | 11.0 | 50 | 100 | 1500 | PUMPING SPACER |
| 10/31/2023 | 5:02:00 PM | 12 | 10.0 | 60 | 160 | 990 | PUMPING SPACER |
| 10/31/2023 | 5:02:00 PM | 12.9 | 8.5 | 0 | 0 | 650 | BEGIN PUMPING 12.9 PPG LEAD CEMENT, DENSITY VERIFIED WITH PRESSURIZED MUD SCALE |
| 10/31/2023 | 5:07:00 PM | 12.9 | 11.0 | 50 | 50 | 1200 | PUMPING LEAD CEMENT |
| 10/31/2023 | 5:12:00 PM | 12.9 | 11.0 | 50 | 100 | 1100 | PUMPING LEAD CEMENT |
| 10/31/2023 | 5:16:00 PM | 12.9 | 11.0 | 50 | 150 | 1030 | PUMPING LEAD CEMENT |
| 10/31/2023 | 5:21:00 PM | 12.9 | 11.0 | 50 | 200 | 1017 | PUMPING LEAD CEMENT |
| 10/31/2023 | 5:27:00 PM | 12.9 | 8.5 | 56.8 | 256.8 | 600 | PUMPING LEAD CEMENT. SLOW RATE TO 8 BPM AT 223 BBLs TO LAND BOTTOM PLUG |
| 10/31/2023 | 5:27:00 PM | 13.7 | 11.0 | 0 | 0 | 860 | BEGIN PUMPING 13.7 PPG TAIL CEMENT, DENSITY VERIFIED WITH PRESSURIZED MUD SCALE |
| 10/31/2023 | 5:32:00 PM | 13.7 | 11.0 | 50 | 50 | 1000 | PUMPING TAIL CEMENT |
| 10/31/2023 | 5:37:00 PM | 13.7 | 11.0 | 50 | 100 | 900 | PUMPING TAIL CEMENT |
| 10/31/2023 | 5:41:00 PM | 13.7 | 11.0 | 50 | 150 | 800 | PUMPING TAIL CEMENT |
| 10/31/2023 | 5:45:00 PM | 13.7 | 11.0 | 50 | 200 | 850 | PUMPING TAIL CEMENT |
| 10/31/2023 | 5:49:00 PM | 13.7 | 11.0 | 50 | 250 | 900 | PUMPING TAIL CEMENT |
| 10/31/2023 | 5:53:00 PM | 13.7 | 11.0 | 50 | 300 | 992 | PUMPING TAIL CEMENT |
| 10/31/2023 | 5:56:00 PM | 13.7 | 0.0 | 17 | 317 | 900 | HYDRAULIC LINE FAILURE ON PUMP. SHUT DOWN AT 317 BBLs TO FIX LINE |
| 10/31/2023 | 6:07:00 PM | 13.7 | 10.0 | 0 | 317 | 2000 | LINE FIXED. CONTINUE PUMPING TAIL CEMENT |
| 10/31/2023 | 6:10:00 PM | 13.7 | 10.0 | 33 | 350 | 1180 | PUMPING TAIL CEMENT |
| 10/31/2023 | 6:12:00 PM | 13.7 | 10.0 | 24.5 | 374.5 | 1000 | PUMPING TAIL CEMENT |
| 10/31/2023 | 6:12:00 PM | 8.34 | 10.0 | 8 | 8 | 920 | PUMP 8 BBLs SUGAR WATER FOR WET SHOE |
| 10/31/2023 | 6:13:00 PM | | | | | | SHUT DOWN, WASH UP PUMP |
| 10/31/2023 | 6:21:00 PM | 8.34 | 11.0 | 0 | 0 | 600 | DROP TOP PLUG, BEGIN WATER + BIOCIDES DISPLACEMENT |
| 10/31/2023 | 6:25:00 PM | 8.34 | 11.0 | 50 | 50 | 2000 | PUMPING DISPLACEMENT |
| 10/31/2023 | 6:30:00 PM | 8.34 | 11.0 | 50 | 100 | 2650 | PUMPING DISPLACEMENT |
| 10/31/2023 | 6:35:00 PM | 8.34 | 11.0 | 50 | 150 | 3450 | PUMPING DISPLACEMENT |
| 10/31/2023 | 6:40:00 PM | 8.34 | 11.0 | 50 | 200 | 3700 | PUMPING DISPLACEMENT |
| 10/31/2023 | 6:45:00 PM | 8.34 | 11.0 | 50 | 250 | 3800 | PUMPING DISPLACEMENT |
| 10/31/2023 | 6:49:00 PM | 8.34 | 11.0 | 50 | 300 | 3900 | PUMPING DISPLACEMENT |
| 10/31/2023 | 6:55:00 PM | 8.34 | 10.0 | 50 | 350 | 3950 | PUMPING DISPLACEMENT |
| 10/31/2023 | 6:57:00 PM | 8.34 | 10.0 | 26 | 376 | 3900 | PUMPING DISPLACEMENT. SPACER TO SURFACE AT 360 BBLs PUMPED. 36 BBLs TO SURFACE |
| 10/31/2023 | 7:00:00 PM | 8.34 | 4.5 | 19.6 | 395.6 | 3400 | PUMPING DISPLACEMENT |
| 10/31/2023 | 7:00:00 PM | | | | | 3900 | LAND PLUG. FCP - 3400 PSI, BUMPED TO 3900 PSI |
| 10/31/2023 | 7:05:00 PM | | | | | | CHECK FLOATS. FLOATS HELD, 5 BBLs BACK |
| 10/31/2023 | 7:08:00 PM | 8.34 | 1.5 | 10 | 10 | 7100 | SHIFT TOE SLEEVE AT 7100 PSI. 10 BBLs PUMPED TO SHIFT. |
| 10/31/2023 | 7:15:00 PM | 8.34 | 1.5 | 2 | 2 | 2840 | PUMP 2 BBLs FRESH WATER FOR WET SHOE |
| 10/31/2023 | 7:20:00 PM | | | | | | RELEASE PRESSURE. 3 BBLs BACK |
| 10/31/2023 | 7:29:00 PM | 8.34 | | | | | FLUSH STACK |
| 10/31/2023 | 7:33:00 PM | | | | | | RIG DOWN ALL IRON AND HOSES |
| 10/31/2023 | 8:45:00 PM | | | | | | DEPART CUSTOMER LOCATION |

Ottesen 22C Production Pump Chart – Pressure / Rate / Density

Chart Report

— pressure1 psi — density backup lbs/gal — Combined Rate





Centralizer Depths

Well Name: OTTESEN 22C

Production, Set Depth: 17,836.0ftKB

| | | | | | | | | | | | |
|-----------------------------------|--|--|-------------------------------|--------------------------------------|--------------------|--------------|--|---------------------------------------|--|--|--|
| API 05123443700000 | | Surface Legal Location NWSE 33 1N 66W | | Field Name Wattenberg | | State CO | | Well Configuration Type Horizontal | | | |
| Ground Elevation (ft) 5,076.00 | Original KB Elevation (ft) 5,101.00 | KB-Ground Distance (ft) 25.00 | Spud Date 10/28/2023 06:00 | Rig Release Date 10/31/2023 22:30 | On Production Date | Abandon Date | | | | | |

| Casing Run Tally | | | | | | | | | | | | |
|------------------|-------|---------------|---------|------------|-------|------|----------|--------------|----------|-------------|------------|--------------|
| Run # | Ref # | Item Des | OD (in) | Wt (lb/ft) | Grade | Run? | Len (ft) | Centralized? | Ext Jwry | Connections | Top (ftKB) | Cum Len (ft) |
| 7 | 1 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.83 | Yes | | | 17,756.3 | 79.75 |
| 9 | 3 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 41.12 | Yes | | | 17,672.6 | 163.43 |
| 11 | 5 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 38.42 | Yes | | | 17,589.7 | 246.35 |
| 13 | 7 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.74 | Yes | | | 17,501.4 | 334.60 |
| 15 | 9 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.75 | Yes | | | 17,414.0 | 422.05 |
| 17 | | Marker Joint | 5 1/2 | 20.00 | P-110 | Yes | 10.85 | Yes | | | 17,359.8 | 476.23 |
| 19 | 12 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.51 | Yes | | | 17,271.9 | 564.14 |
| 21 | 14 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.84 | Yes | | | 17,184.9 | 651.13 |
| 23 | 16 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 41.90 | Yes | | | 17,099.3 | 736.75 |
| 25 | 18 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 42.34 | Yes | | | 17,013.2 | 822.82 |
| 27 | 20 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.63 | Yes | | | 16,925.3 | 910.66 |
| 29 | 22 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.15 | Yes | | | 16,838.1 | 997.95 |
| 31 | 24 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 38.54 | Yes | | | 16,755.8 | 1,080.24 |
| 33 | 26 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.74 | Yes | | | 16,667.8 | 1,168.18 |
| 35 | 28 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.77 | Yes | | | 16,580.4 | 1,255.63 |
| 37 | 30 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.63 | Yes | | | 16,490.4 | 1,345.64 |
| 39 | 32 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 45.64 | Yes | | | 16,400.3 | 1,435.67 |
| 41 | 34 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.25 | Yes | | | 16,312.6 | 1,523.42 |
| 43 | 36 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 40.23 | Yes | | | 16,228.2 | 1,607.81 |
| 45 | 38 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.63 | Yes | | | 16,139.5 | 1,696.46 |
| 47 | 40 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 42.10 | Yes | | | 16,057.9 | 1,778.14 |
| 49 | 42 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 35.89 | Yes | | | 15,977.5 | 1,858.48 |
| 51 | 44 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.52 | Yes | | | 15,889.0 | 1,947.00 |
| 53 | 46 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 41.82 | Yes | | | 15,807.2 | 2,028.83 |
| 55 | 48 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.52 | Yes | | | 15,718.6 | 2,117.36 |
| 57 | 50 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.62 | Yes | | | 15,632.5 | 2,203.50 |
| 59 | 52 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.42 | Yes | | | 15,545.9 | 2,290.09 |
| 61 | 54 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 40.17 | Yes | | | 15,460.9 | 2,375.09 |
| 63 | 56 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.50 | Yes | | | 15,372.8 | 2,463.21 |
| 65 | 58 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.60 | Yes | | | 15,284.4 | 2,551.59 |
| 67 | 60 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 42.57 | Yes | | | 15,197.7 | 2,638.34 |



Centralizer Depths

Well Name: OTTESEN 22C

Production, Set Depth: 17,836.0ftKB

| | | | | | | | | | | | |
|-----------------------------------|--|--|--|----------------------------------|--|-------------------------------|--|---------------------------------------|--|------------------------------------|--|
| API 05123443700000 | | Surface Legal Location NWSE 33 1N 66W | | Field Name Wattenberg | | State CO | | Well Configuration Type Horizontal | | | |
| Ground Elevation (ft) 5,076.00 | | Original KB Elevation (ft) 5,101.00 | | KB-Ground Distance (ft) 25.00 | | Spud Date 10/28/2023 06:00 | | Rig Release Date 10/31/2023 22:30 | | On Production Date Abandon Date | |

| Casing Run Tally | | | | | | | | | | | | |
|------------------|-------|---------------|---------|------------|-------|------|----------|--------------|----------|-------------|------------|--------------|
| Run # | Ref # | Item Des | OD (in) | Wt (lb/ft) | Grade | Run? | Len (ft) | Centralized? | Ext Jwry | Connections | Top (ftKB) | Cum Len (ft) |
| 69 | 62 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.57 | Yes | | | 15,108.5 | 2,727.55 |
| 71 | 64 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.89 | Yes | | | 15,022.8 | 2,813.22 |
| 73 | 66 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.21 | Yes | | | 14,934.9 | 2,901.14 |
| 75 | 68 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.75 | Yes | | | 14,847.2 | 2,988.77 |
| 77 | 70 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.88 | Yes | | | 14,759.6 | 3,076.44 |
| 79 | 72 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.57 | Yes | | | 14,671.9 | 3,164.13 |
| 81 | 74 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.70 | Yes | | | 14,584.4 | 3,251.59 |
| 83 | 76 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 39.70 | Yes | | | 14,501.4 | 3,334.62 |
| 85 | 78 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 42.43 | Yes | | | 14,416.4 | 3,419.64 |
| 87 | 80 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.78 | Yes | | | 14,330.8 | 3,505.24 |
| 89 | 82 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.34 | Yes | | | 14,245.5 | 3,590.55 |
| 91 | 84 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.11 | Yes | | | 14,157.1 | 3,678.86 |
| 93 | 86 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.51 | Yes | | | 14,074.2 | 3,761.85 |
| 95 | 88 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 38.19 | Yes | | | 13,994.8 | 3,841.25 |
| 97 | 90 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.52 | Yes | | | 13,911.6 | 3,924.43 |
| 99 | 92 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.53 | Yes | | | 13,824.2 | 4,011.85 |
| 101 | 94 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.70 | Yes | | | 13,735.5 | 4,100.55 |
| 103 | 96 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.71 | Yes | | | 13,646.4 | 4,189.58 |
| 105 | 98 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 42.04 | Yes | | | 13,560.5 | 4,275.48 |
| 107 | 100 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 42.47 | Yes | | | 13,473.5 | 4,362.47 |
| 109 | 102 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.22 | Yes | | | 13,386.5 | 4,449.46 |
| 111 | 104 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 42.35 | Yes | | | 13,305.0 | 4,531.04 |
| 113 | 106 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.77 | Yes | | | 13,218.4 | 4,617.63 |
| 115 | | Marker Joint | 5 1/2 | 20.00 | P-110 | Yes | 10.50 | Yes | | | 13,164.1 | 4,671.88 |
| 117 | 109 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.01 | Yes | | | 13,075.5 | 4,760.51 |
| 119 | 111 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 37.60 | Yes | | | 12,993.4 | 4,842.63 |
| 121 | 113 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.50 | Yes | | | 12,903.9 | 4,932.08 |
| 123 | 115 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.51 | Yes | | | 12,817.3 | 5,018.71 |
| 125 | 117 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.97 | Yes | | | 12,729.3 | 5,106.68 |
| 127 | 119 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 42.63 | Yes | | | 12,641.7 | 5,194.27 |
| 129 | 121 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 37.44 | Yes | | | 12,562.3 | 5,273.67 |



Centralizer Depths

Well Name: OTTESEN 22C

Production, Set Depth: 17,836.0ftKB

| | | | | | | | | | | | |
|-----------------------------------|--|--|-------------------------------|--------------------------------------|--------------------|--------------|--|---------------------------------------|--|--|--|
| API 05123443700000 | | Surface Legal Location NWSE 33 1N 66W | | Field Name Wattenberg | | State CO | | Well Configuration Type Horizontal | | | |
| Ground Elevation (ft) 5,076.00 | Original KB Elevation (ft) 5,101.00 | KB-Ground Distance (ft) 25.00 | Spud Date 10/28/2023 06:00 | Rig Release Date 10/31/2023 22:30 | On Production Date | Abandon Date | | | | | |

Casing Run Tally

| Run # | Ref # | Item Des | OD (in) | Wt (lb/ft) | Grade | Run? | Len (ft) | Centralized? | Ext Jwry | Connections | Top (ftKB) | Cum Len (ft) |
|-------|-------|---------------|---------|------------|-------|------|----------|--------------|----------|-------------|------------|--------------|
| 131 | 123 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.93 | Yes | | | 12,473.5 | 5,362.47 |
| 133 | 125 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.63 | Yes | | | 12,385.1 | 5,450.92 |
| 135 | 127 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.54 | Yes | | | 12,297.1 | 5,538.95 |
| 137 | 129 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.82 | Yes | | | 12,207.6 | 5,628.40 |
| 139 | 131 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 39.34 | Yes | | | 12,126.1 | 5,709.88 |
| 141 | 133 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 41.92 | Yes | | | 12,039.7 | 5,796.31 |
| 143 | 135 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.57 | Yes | | | 11,956.3 | 5,879.72 |
| 145 | 137 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.96 | Yes | | | 11,866.5 | 5,969.51 |
| 147 | 139 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.09 | Yes | | | 11,777.8 | 6,058.22 |
| 149 | 141 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 41.75 | Yes | | | 11,697.5 | 6,138.52 |
| 151 | 143 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.33 | Yes | | | 11,609.3 | 6,226.67 |
| 153 | 145 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.31 | Yes | | | 11,529.1 | 6,306.88 |
| 155 | 147 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 41.96 | Yes | | | 11,442.7 | 6,393.35 |
| 157 | 149 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.51 | Yes | | | 11,359.7 | 6,476.35 |
| 159 | 151 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.08 | Yes | | | 11,271.1 | 6,564.95 |
| 161 | 153 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.07 | Yes | | | 11,184.3 | 6,651.69 |
| 163 | 155 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.49 | Yes | | | 11,095.3 | 6,740.70 |
| 165 | 157 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.93 | Yes | | | 11,005.5 | 6,830.46 |
| 167 | 159 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 42.91 | Yes | | | 10,918.0 | 6,917.97 |
| 169 | 161 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.83 | Yes | | | 10,829.9 | 7,006.10 |
| 171 | 163 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.50 | Yes | | | 10,743.2 | 7,092.80 |
| 173 | 165 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.61 | Yes | | | 10,654.0 | 7,182.04 |
| 175 | 167 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.53 | Yes | | | 10,565.7 | 7,270.27 |
| 177 | 169 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.81 | Yes | | | 10,476.3 | 7,359.72 |
| 179 | 171 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 42.79 | Yes | | | 10,388.6 | 7,447.45 |
| 181 | 173 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.92 | Yes | | | 10,300.7 | 7,535.26 |
| 183 | 175 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.49 | Yes | | | 10,211.8 | 7,624.23 |
| 185 | 177 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.64 | Yes | | | 10,122.2 | 7,713.82 |
| 187 | 179 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.88 | Yes | | | 10,035.8 | 7,800.24 |
| 189 | 181 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.74 | Yes | | | 9,946.4 | 7,889.59 |
| 191 | 183 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.90 | Yes | | | 9,858.6 | 7,977.37 |



Centralizer Depths

Well Name: OTTESEN 22C

Production, Set Depth: 17,836.0ftKB

| | | | | | | | | | | | |
|-----------------------------------|--|--|-------------------------------|--------------------------------------|--------------------|--------------|--|---------------------------------------|--|--|--|
| API 05123443700000 | | Surface Legal Location NWSE 33 1N 66W | | Field Name Wattenberg | | State CO | | Well Configuration Type Horizontal | | | |
| Ground Elevation (ft) 5,076.00 | Original KB Elevation (ft) 5,101.00 | KB-Ground Distance (ft) 25.00 | Spud Date 10/28/2023 06:00 | Rig Release Date 10/31/2023 22:30 | On Production Date | Abandon Date | | | | | |

| Casing Run Tally | | | | | | | | | | | | |
|------------------|-------|---------------|---------|------------|-------|------|----------|--------------|----------|-------------|------------|--------------|
| Run # | Ref # | Item Des | OD (in) | Wt (lb/ft) | Grade | Run? | Len (ft) | Centralized? | Ext Jwry | Connections | Top (ftKB) | Cum Len (ft) |
| 193 | 185 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.52 | Yes | | | 9,769.5 | 8,066.50 |
| 195 | 187 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.76 | Yes | | | 9,684.3 | 8,151.75 |
| 197 | 189 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.90 | Yes | | | 9,596.4 | 8,239.57 |
| 199 | 191 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.56 | Yes | | | 9,509.9 | 8,326.15 |
| 201 | 193 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 41.13 | Yes | | | 9,425.0 | 8,411.02 |
| 203 | 195 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.72 | Yes | | | 9,336.3 | 8,499.70 |
| 205 | 197 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.60 | Yes | | | 9,247.8 | 8,588.22 |
| 207 | 199 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 36.80 | Yes | | | 9,170.0 | 8,665.98 |
| 209 | 201 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 41.16 | Yes | | | 9,084.2 | 8,751.77 |
| 211 | 203 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.89 | Yes | | | 8,997.0 | 8,839.02 |
| 213 | 205 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.01 | Yes | | | 8,910.0 | 8,925.99 |
| 215 | 207 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.34 | Yes | | | 8,821.7 | 9,014.35 |
| 217 | 209 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.73 | Yes | | | 8,733.4 | 9,102.65 |
| 219 | 211 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 41.90 | Yes | | | 8,650.3 | 9,185.73 |
| 221 | 213 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 38.90 | Yes | | | 8,567.4 | 9,268.62 |
| 222 | | Marker Joint | 5 1/2 | 20.00 | P-110 | Yes | 9.46 | Yes | | | 8,557.9 | 9,278.08 |
| 223 | 214 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.24 | Yes | | | 8,514.7 | 9,321.32 |
| 224 | 215 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 37.53 | Yes | | | 8,477.2 | 9,358.85 |
| 225 | 216 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.85 | Yes | | | 8,433.3 | 9,402.70 |
| 226 | 217 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 40.26 | Yes | | | 8,393.0 | 9,442.96 |
| 227 | 218 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 42.56 | Yes | | | 8,350.5 | 9,485.52 |
| 228 | 219 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.19 | Yes | | | 8,306.3 | 9,529.71 |
| 229 | 220 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.20 | Yes | | | 8,262.1 | 9,573.91 |
| 230 | 221 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.78 | Yes | | | 8,217.3 | 9,618.69 |
| 231 | 222 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 38.26 | Yes | | | 8,179.1 | 9,656.95 |
| 232 | 223 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.07 | Yes | | | 8,135.0 | 9,701.02 |
| 233 | 224 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.47 | Yes | | | 8,090.5 | 9,745.49 |
| 234 | 225 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 42.20 | Yes | | | 8,048.3 | 9,787.69 |
| 235 | 226 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.03 | Yes | | | 8,004.3 | 9,831.72 |
| 236 | 227 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.00 | Yes | | | 7,960.3 | 9,875.72 |
| 237 | 228 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.01 | Yes | | | 7,916.3 | 9,919.73 |



Centralizer Depths

Well Name: OTTESEN 22C

Production, Set Depth: 17,836.0ftKB

| | | | | | | | | | | | |
|-----------------------------------|--|--|-------------------------------|--------------------------------------|--------------------|--------------|--|---------------------------------------|--|--|--|
| API 0512344370000 | | Surface Legal Location NWSE 33 1N 66W | | Field Name Wattenberg | | State CO | | Well Configuration Type Horizontal | | | |
| Ground Elevation (ft) 5,076.00 | Original KB Elevation (ft) 5,101.00 | KB-Ground Distance (ft) 25.00 | Spud Date 10/28/2023 06:00 | Rig Release Date 10/31/2023 22:30 | On Production Date | Abandon Date | | | | | |

| Casing Run Tally | | | | | | | | | | | | |
|------------------|-------|---------------|---------|------------|-------|------|----------|--------------|----------|-------------|------------|--------------|
| Run # | Ref # | Item Des | OD (in) | Wt (lb/ft) | Grade | Run? | Len (ft) | Centralized? | Ext Jwry | Connections | Top (ftKB) | Cum Len (ft) |
| 238 | 229 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.29 | Yes | | | 7,873.0 | 9,963.02 |
| 239 | 230 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.19 | Yes | | | 7,828.8 | 10,007.21 |
| 240 | 231 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 41.60 | Yes | | | 7,787.2 | 10,048.81 |
| 241 | 232 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.00 | Yes | | | 7,743.2 | 10,092.81 |
| 242 | 233 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 40.36 | Yes | | | 7,702.8 | 10,133.17 |
| 243 | 234 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 42.35 | Yes | | | 7,660.5 | 10,175.52 |
| 244 | 235 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 40.07 | Yes | | | 7,620.4 | 10,215.59 |
| 245 | 236 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 35.89 | Yes | | | 7,584.5 | 10,251.48 |
| 246 | 237 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.03 | Yes | | | 7,540.5 | 10,295.51 |
| 247 | | Marker Joint | 5 1/2 | 20.00 | P-110 | Yes | 22.72 | Yes | | | 7,517.8 | 10,318.23 |
| 248 | 238 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.54 | Yes | | | 7,473.2 | 10,362.77 |
| 249 | 239 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.97 | Yes | | | 7,428.3 | 10,407.74 |
| 250 | 240 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.74 | Yes | | | 7,384.5 | 10,451.48 |
| 251 | 241 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 38.79 | Yes | | | 7,345.7 | 10,490.27 |
| 252 | 242 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 39.33 | Yes | | | 7,306.4 | 10,529.60 |
| 253 | 243 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 38.84 | Yes | | | 7,267.6 | 10,568.44 |
| 254 | 244 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 41.45 | Yes | | | 7,226.1 | 10,609.89 |
| 255 | 245 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.18 | Yes | | | 7,181.9 | 10,654.07 |
| 256 | 246 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 41.47 | Yes | | | 7,140.5 | 10,695.54 |
| 257 | 247 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 38.71 | Yes | | | 7,101.8 | 10,734.25 |
| 258 | 248 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 41.77 | Yes | | | 7,060.0 | 10,776.02 |
| 259 | 249 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.03 | Yes | | | 7,016.0 | 10,820.05 |
| 260 | 250 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.15 | Yes | | | 6,971.8 | 10,864.20 |
| 261 | 251 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.00 | Yes | | | 6,927.8 | 10,908.20 |
| 262 | 252 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.19 | Yes | | | 6,883.6 | 10,952.39 |
| 263 | 253 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 40.74 | Yes | | | 6,842.9 | 10,993.13 |
| 264 | 254 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.79 | Yes | | | 6,799.1 | 11,036.92 |
| 265 | 255 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.83 | Yes | | | 6,755.3 | 11,080.75 |
| 266 | 256 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.64 | Yes | | | 6,710.6 | 11,125.39 |
| 267 | 257 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.51 | Yes | | | 6,666.1 | 11,169.90 |
| 268 | 258 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 41.30 | Yes | | | 6,624.8 | 11,211.20 |



Centralizer Depths

Well Name: OTTESEN 22C

Production, Set Depth: 17,836.0ftKB

| | | | | | | | | | | | |
|-----------------------------------|--|--|-------------------------------|--------------------------------------|--------------------|--------------|--|---------------------------------------|--|--|--|
| API 05123443700000 | | Surface Legal Location NWSE 33 1N 66W | | Field Name Wattenberg | | State CO | | Well Configuration Type Horizontal | | | |
| Ground Elevation (ft) 5,076.00 | Original KB Elevation (ft) 5,101.00 | KB-Ground Distance (ft) 25.00 | Spud Date 10/28/2023 06:00 | Rig Release Date 10/31/2023 22:30 | On Production Date | Abandon Date | | | | | |

Casing Run Tally

| Run # | Ref # | Item Des | OD (in) | Wt (lb/ft) | Grade | Run? | Len (ft) | Centralized? | Ext Jwry | Connections | Top (ftKB) | Cum Len (ft) |
|-------|-------|---------------|---------|------------|-------|------|----------|--------------|----------|-------------|------------|--------------|
| 269 | 259 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.51 | Yes | | | 6,580.3 | 11,255.71 |
| 270 | 260 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 39.45 | Yes | | | 6,540.8 | 11,295.16 |
| 271 | 261 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 42.16 | Yes | | | 6,498.7 | 11,337.32 |
| 272 | 262 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 41.42 | Yes | | | 6,457.3 | 11,378.74 |
| 273 | 263 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 40.43 | Yes | | | 6,416.8 | 11,419.17 |
| 274 | 264 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 42.37 | Yes | | | 6,374.5 | 11,461.54 |
| 275 | 265 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 39.65 | Yes | | | 6,334.8 | 11,501.19 |
| 276 | 266 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.79 | Yes | | | 6,290.0 | 11,545.98 |
| 277 | 267 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.07 | Yes | | | 6,247.0 | 11,589.05 |
| 278 | 268 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.32 | Yes | | | 6,202.6 | 11,633.37 |
| 279 | 269 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.63 | Yes | | | 6,158.0 | 11,678.00 |
| 280 | 270 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 36.58 | Yes | | | 6,121.4 | 11,714.58 |
| 281 | 271 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.51 | Yes | | | 6,076.9 | 11,759.09 |
| 282 | 272 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.62 | Yes | | | 6,032.3 | 11,803.71 |
| 283 | 273 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.61 | Yes | | | 5,987.7 | 11,848.32 |
| 284 | 274 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.51 | Yes | | | 5,943.2 | 11,892.83 |
| 285 | 275 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 36.57 | Yes | | | 5,906.6 | 11,929.40 |
| 286 | 276 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.78 | Yes | | | 5,861.8 | 11,974.18 |
| 287 | 277 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 34.85 | Yes | | | 5,827.0 | 12,009.03 |
| 288 | 278 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 34.08 | Yes | | | 5,792.9 | 12,043.11 |
| 289 | 279 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.28 | Yes | | | 5,749.6 | 12,086.39 |
| 290 | 280 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 42.59 | Yes | | | 5,707.0 | 12,128.98 |
| 291 | 281 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.82 | Yes | | | 5,662.2 | 12,173.80 |
| 292 | 282 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.56 | Yes | | | 5,618.6 | 12,217.36 |
| 293 | 283 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.28 | Yes | | | 5,574.4 | 12,261.64 |
| 294 | 284 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.45 | Yes | | | 5,529.9 | 12,306.09 |
| 295 | 285 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.74 | Yes | | | 5,485.2 | 12,350.83 |
| 296 | 286 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.52 | Yes | | | 5,440.7 | 12,395.35 |
| 297 | 287 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.52 | Yes | | | 5,396.1 | 12,439.87 |
| 298 | 288 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.51 | Yes | | | 5,351.6 | 12,484.38 |
| 299 | 289 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.75 | Yes | | | 5,307.9 | 12,528.13 |



Centralizer Depths

Well Name: OTTESEN 22C

Production, Set Depth: 17,836.0ftKB

| | | | | | | | | | | | |
|-----------------------------------|--|--|-------------------------------|--------------------------------------|--------------------|--------------|--|---------------------------------------|--|--|--|
| API 05123443700000 | | Surface Legal Location NWSE 33 1N 66W | | Field Name Wattenberg | | State CO | | Well Configuration Type Horizontal | | | |
| Ground Elevation (ft) 5,076.00 | Original KB Elevation (ft) 5,101.00 | KB-Ground Distance (ft) 25.00 | Spud Date 10/28/2023 06:00 | Rig Release Date 10/31/2023 22:30 | On Production Date | Abandon Date | | | | | |

Casing Run Tally

| Run # | Ref # | Item Des | OD (in) | Wt (lb/ft) | Grade | Run? | Len (ft) | Centralized? | Ext Jwry | Connections | Top (ftKB) | Cum Len (ft) |
|-------|-------|---------------|---------|------------|-------|------|----------|--------------|----------|-------------|------------|--------------|
| 300 | 290 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.09 | Yes | | | 5,264.8 | 12,571.22 |
| 301 | 291 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.51 | Yes | | | 5,220.3 | 12,615.73 |
| 302 | 292 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.50 | Yes | | | 5,175.8 | 12,660.23 |
| 303 | 293 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 42.22 | Yes | | | 5,133.6 | 12,702.45 |
| 304 | 294 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.62 | Yes | | | 5,088.9 | 12,747.07 |
| 305 | 295 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 34.78 | Yes | | | 5,054.2 | 12,781.85 |
| 306 | 296 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.62 | Yes | | | 5,009.5 | 12,826.47 |
| 307 | 297 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.45 | Yes | | | 4,966.1 | 12,869.92 |
| 308 | 298 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.53 | Yes | | | 4,921.6 | 12,914.45 |
| 309 | 299 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.63 | Yes | | | 4,876.9 | 12,959.08 |
| 310 | 300 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.50 | Yes | | | 4,832.4 | 13,003.58 |
| 311 | 301 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.52 | Yes | | | 4,787.9 | 13,048.10 |
| 312 | 302 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.50 | Yes | | | 4,743.4 | 13,092.60 |
| 313 | 303 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.81 | Yes | | | 4,698.6 | 13,137.41 |
| 314 | 304 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.61 | Yes | | | 4,654.0 | 13,182.02 |
| 315 | 305 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.63 | Yes | | | 4,609.4 | 13,226.65 |
| 316 | 306 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.49 | Yes | | | 4,564.9 | 13,271.14 |
| 317 | 307 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.58 | Yes | | | 4,520.3 | 13,315.72 |
| 318 | 308 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 41.93 | Yes | | | 4,478.4 | 13,357.65 |
| 319 | 309 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.18 | Yes | | | 4,435.2 | 13,400.83 |
| 320 | 310 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.53 | Yes | | | 4,390.6 | 13,445.36 |
| 321 | 311 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.51 | Yes | | | 4,346.1 | 13,489.87 |
| 322 | 312 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 42.68 | Yes | | | 4,303.5 | 13,532.55 |
| 323 | 313 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.73 | Yes | | | 4,259.7 | 13,576.28 |
| 324 | 314 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 41.36 | Yes | | | 4,218.4 | 13,617.64 |
| 325 | 315 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.83 | Yes | | | 4,174.5 | 13,661.47 |
| 326 | 316 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 40.02 | Yes | | | 4,134.5 | 13,701.49 |
| 327 | 317 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.05 | Yes | | | 4,091.5 | 13,744.54 |
| 328 | 318 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.51 | Yes | | | 4,047.0 | 13,789.05 |
| 329 | 319 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 41.60 | Yes | | | 4,005.4 | 13,830.65 |
| 330 | 320 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 41.44 | Yes | | | 3,963.9 | 13,872.09 |



Centralizer Depths

Well Name: OTTESEN 22C

Production, Set Depth: 17,836.0ftKB

| | | | | | | | | | | | |
|-----------------------------------|--|--|-------------------------------|--------------------------------------|--------------------|--------------|--|---------------------------------------|--|--|--|
| API 0512344370000 | | Surface Legal Location NWSE 33 1N 66W | | Field Name Wattenberg | | State CO | | Well Configuration Type Horizontal | | | |
| Ground Elevation (ft) 5,076.00 | Original KB Elevation (ft) 5,101.00 | KB-Ground Distance (ft) 25.00 | Spud Date 10/28/2023 06:00 | Rig Release Date 10/31/2023 22:30 | On Production Date | Abandon Date | | | | | |

Casing Run Tally

| Run # | Ref # | Item Des | OD (in) | Wt (lb/ft) | Grade | Run? | Len (ft) | Centralized? | Ext Jwry | Connections | Top (ftKB) | Cum Len (ft) |
|-------|-------|---------------|---------|------------|-------|------|----------|--------------|----------|-------------|------------|--------------|
| 331 | 321 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.42 | Yes | | | 3,919.5 | 13,916.51 |
| 332 | 322 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.79 | Yes | | | 3,874.7 | 13,961.30 |
| 333 | 323 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.61 | Yes | | | 3,830.1 | 14,005.91 |
| 334 | 324 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.57 | Yes | | | 3,785.5 | 14,050.48 |
| 335 | 325 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.70 | Yes | | | 3,741.8 | 14,094.18 |
| 336 | 326 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.78 | Yes | | | 3,697.0 | 14,138.96 |
| 337 | 327 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.74 | Yes | | | 3,653.3 | 14,182.70 |
| 338 | 328 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.44 | Yes | | | 3,608.9 | 14,227.14 |
| 339 | 329 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 45.04 | Yes | | | 3,563.8 | 14,272.18 |
| 340 | 330 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.42 | Yes | | | 3,520.4 | 14,315.60 |
| 341 | 331 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 39.84 | Yes | | | 3,480.6 | 14,355.44 |
| 342 | 332 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.53 | Yes | | | 3,436.0 | 14,399.97 |
| 343 | 333 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.72 | Yes | | | 3,392.3 | 14,443.69 |
| 344 | 334 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.21 | Yes | | | 3,348.1 | 14,487.90 |
| 345 | 335 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 36.80 | Yes | | | 3,311.3 | 14,524.70 |
| 346 | 336 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.52 | Yes | | | 3,266.8 | 14,569.22 |
| 347 | 337 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.49 | Yes | | | 3,222.3 | 14,613.71 |
| 348 | 338 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 37.40 | Yes | | | 3,184.9 | 14,651.11 |
| 349 | 339 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.35 | Yes | | | 3,141.5 | 14,694.46 |
| 350 | 340 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.74 | Yes | | | 3,097.8 | 14,738.20 |
| 351 | 341 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 40.33 | Yes | | | 3,057.5 | 14,778.53 |
| 352 | 342 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.62 | Yes | | | 3,012.9 | 14,823.15 |
| 353 | 343 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 45.03 | Yes | | | 2,967.8 | 14,868.18 |
| 354 | 344 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.92 | Yes | | | 2,923.9 | 14,912.10 |
| 355 | 345 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.98 | Yes | | | 2,878.9 | 14,957.08 |
| 356 | 346 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 41.89 | Yes | | | 2,837.0 | 14,998.97 |
| 357 | 347 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.76 | Yes | | | 2,793.3 | 15,042.73 |
| 358 | 348 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 42.69 | Yes | | | 2,750.6 | 15,085.42 |
| 359 | 349 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.64 | Yes | | | 2,705.9 | 15,130.06 |
| 360 | 350 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 41.39 | Yes | | | 2,664.6 | 15,171.45 |
| 361 | 351 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 39.93 | Yes | | | 2,624.6 | 15,211.38 |



Centralizer Depths

Well Name: OTTESEN 22C

Production, Set Depth: 17,836.0ftKB

| | | | | | | | | | | | |
|-----------------------------------|--|--|-------------------------------|--------------------------------------|--------------------|--------------|--|---------------------------------------|--|--|--|
| API 05123443700000 | | Surface Legal Location NWSE 33 1N 66W | | Field Name Wattenberg | | State CO | | Well Configuration Type Horizontal | | | |
| Ground Elevation (ft) 5,076.00 | Original KB Elevation (ft) 5,101.00 | KB-Ground Distance (ft) 25.00 | Spud Date 10/28/2023 06:00 | Rig Release Date 10/31/2023 22:30 | On Production Date | Abandon Date | | | | | |

Casing Run Tally

| Run # | Ref # | Item Des | OD (in) | Wt (lb/ft) | Grade | Run? | Len (ft) | Centralized? | Ext Jwry | Connections | Top (ftKB) | Cum Len (ft) |
|-------|-------|---------------|---------|------------|-------|------|----------|--------------|----------|-------------|------------|--------------|
| 362 | 352 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.80 | Yes | | | 2,579.8 | 15,256.18 |
| 363 | 353 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 42.05 | Yes | | | 2,537.8 | 15,298.23 |
| 364 | 354 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.98 | Yes | | | 2,492.8 | 15,343.21 |
| 365 | 355 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 39.25 | Yes | | | 2,453.5 | 15,382.46 |
| 366 | 356 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.85 | Yes | | | 2,409.7 | 15,426.31 |
| 367 | 357 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.82 | Yes | | | 2,365.9 | 15,470.13 |
| 368 | 358 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.52 | Yes | | | 2,321.4 | 15,514.65 |
| 369 | 359 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.73 | Yes | | | 2,276.6 | 15,559.38 |
| 370 | 360 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.40 | Yes | | | 2,232.2 | 15,603.78 |
| 371 | 361 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.24 | Yes | | | 2,189.0 | 15,647.02 |
| 372 | 362 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 41.66 | Yes | | | 2,147.3 | 15,688.68 |
| 373 | 363 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.75 | Yes | | | 2,102.6 | 15,733.43 |
| 374 | 364 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.64 | Yes | | | 2,058.9 | 15,777.07 |
| 375 | 365 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.81 | Yes | | | 2,014.1 | 15,821.88 |
| 376 | 366 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.11 | Yes | | | 1,970.0 | 15,865.99 |
| 377 | 367 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.80 | Yes | | | 1,925.2 | 15,910.79 |
| 378 | 368 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.45 | Yes | | | 1,881.8 | 15,954.24 |
| 379 | 369 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 41.32 | Yes | | | 1,840.4 | 15,995.56 |
| 380 | 370 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.33 | Yes | | | 1,796.1 | 16,039.89 |
| 381 | 371 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 40.75 | Yes | | | 1,755.4 | 16,080.64 |
| 382 | 372 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 41.40 | Yes | | | 1,714.0 | 16,122.04 |
| 383 | 373 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.62 | Yes | | | 1,669.3 | 16,166.66 |
| 384 | 374 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 42.31 | Yes | | | 1,627.0 | 16,208.97 |
| 385 | 375 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 38.83 | Yes | | | 1,588.2 | 16,247.80 |
| 386 | 376 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.96 | Yes | | | 1,543.2 | 16,292.76 |
| 387 | 377 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 40.91 | Yes | | | 1,502.3 | 16,333.67 |
| 388 | 378 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 41.56 | Yes | | | 1,460.8 | 16,375.23 |
| 389 | 379 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.14 | Yes | | | 1,416.6 | 16,419.37 |
| 390 | 380 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 42.66 | Yes | | | 1,374.0 | 16,462.03 |
| 391 | 381 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 41.57 | Yes | | | 1,332.4 | 16,503.60 |
| 392 | 382 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.90 | Yes | | | 1,288.5 | 16,547.50 |



Centralizer Depths

Well Name: OTTESEN 22C

Production, Set Depth: 17,836.0ftKB

| | | | | | | | | | |
|-----------------------------------|--|--|-------------------------------|--------------------------------------|--------------------|--------------|--|---------------------------------------|--|
| API 05123443700000 | | Surface Legal Location NWSE 33 1N 66W | | Field Name Wattenberg | | State CO | | Well Configuration Type Horizontal | |
| Ground Elevation (ft) 5,076.00 | Original KB Elevation (ft) 5,101.00 | KB-Ground Distance (ft) 25.00 | Spud Date 10/28/2023 06:00 | Rig Release Date 10/31/2023 22:30 | 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) |
|-------|-------|---------------|---------|------------|-------|------|----------|--------------|-----------|-------------|------------|--------------|
| 393 | 383 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.45 | Yes | | | 1,245.1 | 16,590.95 |
| 394 | 384 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.91 | Yes | | | 1,201.1 | 16,634.86 |
| 395 | 385 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 42.05 | Yes | | | 1,159.1 | 16,676.91 |
| 396 | 386 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.31 | Yes | | | 1,114.8 | 16,721.22 |
| 397 | 387 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 41.62 | Yes | | | 1,073.2 | 16,762.84 |
| 398 | 388 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.73 | Yes | | | 1,028.4 | 16,807.57 |
| 399 | 389 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.76 | Yes | | | 984.7 | 16,851.33 |
| 400 | 390 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.73 | Yes | | | 940.9 | 16,895.06 |
| 401 | 391 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.45 | Yes | | | 897.5 | 16,938.51 |
| 402 | 392 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.97 | Yes | | | 853.5 | 16,982.48 |
| 403 | 393 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 39.86 | Yes | | | 813.7 | 17,022.34 |
| 404 | 394 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.98 | Yes | | | 769.7 | 17,066.32 |
| 405 | 395 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.58 | Yes | | | 726.1 | 17,109.90 |
| 406 | 396 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.95 | Yes | | | 681.1 | 17,154.85 |
| 407 | 397 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 42.03 | Yes | | | 639.1 | 17,196.88 |
| 408 | 398 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.63 | Yes | | | 595.5 | 17,240.51 |
| 409 | 399 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 43.07 | Yes | | | 552.4 | 17,283.58 |
| 410 | 400 | Casing Joints | 5 1/2 | 20.00 | P-110 | Yes | 44.36 | Yes | | | 508.1 | 17,327.94 |