

HALLIBURTON

iCem[®] Service

WPX ENERGY LLC-EBUS

For: Mark Mewshaw

GM 442-8 Production

API# 05-045-22533-00

Job Date: Thursday, June 16, 2016

Sincerely,

Grand Junction Cement Engineering

1.0 Real-Time Job Summary

1.1 Job Event Log

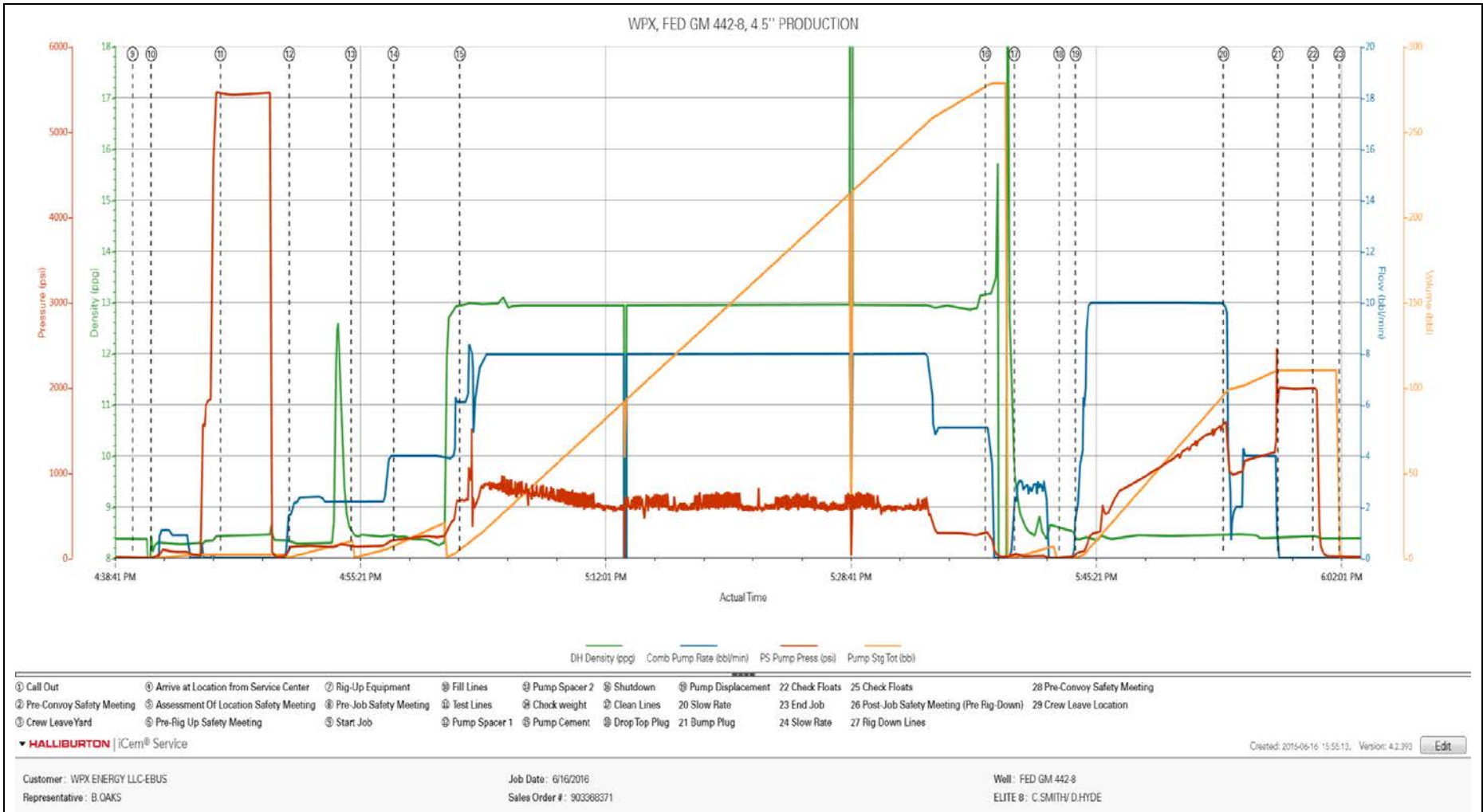
| Type | Seq. No. | Graph Label | Date | Time | Source | Pass-Side Pump Pressure (psi) | Downhole Density (ppg) | Combined Pump Rate (bbl/min) | Pump Stage Total (bbl) | Comments |
|-------|----------|--|-----------|----------|--------|----------------------------------|---------------------------|---------------------------------|---------------------------|--|
| Event | 1 | Call Out | 6/16/2016 | 06:00:00 | USER | | | | | REQUESTED ON LOCATION @ 1400 |
| Event | 2 | Pre-Convoy Safety Meeting | 6/16/2016 | 08:45:00 | USER | | | | | ALL HES PRESENT |
| Event | 3 | Crew Leave Yard | 6/16/2016 | 08:50:00 | USER | | | | | 1 F550 & PUMP TRUCK, COMPRESSOR TRAILER |
| Event | 4 | Arrive at Location from Service Center | 6/16/2016 | 12:00:00 | USER | | | | | RIG RUNNING CASING |
| Event | 5 | Assessment Of Location Safety Meeting | 6/16/2016 | 12:15:00 | USER | | | | | MET WITH COMP REP, BEAUDE OAKS, AND WENT OVER NUMBERS AND JOB PROCEDURE. WALKED AROUND LOCATION AND COLLECTED WATER SAMPLE (PH- 7, CHLORIDES- 0, TEMP- 60F). COMP REP WAS OFFERED SDS FOR ALL CHEMICLES USED BY HES. |
| Event | 6 | Pre-Rig Up Safety Meeting | 6/16/2016 | 15:00:00 | USER | | | | | ALL HES PRESENT |
| Event | 7 | Rig-Up Equipment | 6/16/2016 | 15:10:00 | USER | | | | | HES RIGGED UP EQUIPMENT WITHOUT ENTERING RED ZONE. |
| Event | 8 | Pre-Job Safety Meeting | 6/16/2016 | 16:20:00 | USER | | | | | ALL HES AND RIG CREW PRESENT |
| Event | 9 | Start Job | 6/16/2016 | 16:40:00 | USER | | | | | TD 6833', TP 6823', SJ 29.85', OH 8.75'', CSG 4.5'' 11.6#, MUD 10 PPG. |

| | | | | | | | | | | |
|-------|----|-------------------|-----------|----------|------|---------|-------|------|-------|---|
| Event | 10 | Fill Lines | 6/16/2016 | 16:41:15 | USER | 90.00 | 8.25 | 0.00 | 0.0 | 8.33 PPG FRESH WATER |
| Event | 11 | Test Lines | 6/16/2016 | 16:45:58 | COM6 | 5444.00 | 8.44 | 0.00 | 1.9 | ALL LINES HELD PRESSURE AT 5450 PSI |
| Event | 12 | Pump Spacer 1 | 6/16/2016 | 16:50:38 | COM6 | 124.00 | 8.31 | 1.70 | 0.5 | 8.33 PPG FRESH WATER (10BBL) |
| Event | 13 | Pump Spacer 2 | 6/16/2016 | 16:54:50 | COM6 | 139.00 | 8.49 | 2.20 | 10.1 | 8.4 MUD FLUSH (20BBL) |
| Event | 14 | Check weight | 6/16/2016 | 16:57:43 | COM6 | | 12.83 | | | WEIGHT VERIFIED VIA PRESSUREIZED MUD SCALES |
| Event | 15 | Pump Cement | 6/16/2016 | 17:02:14 | COM6 | 686.00 | 12.84 | 6.10 | 5.4 | NEOCEM CEMENT 800 SKS (266.4 BBLS), 12.7 PPG, 1.87 FT3/SK, 8.71 GAL/SK |
| Event | 16 | Shutdown | 6/16/2016 | 17:37:56 | USER | | | | | END OF CEMENT |
| Event | 17 | Clean Lines | 6/16/2016 | 17:39:55 | USER | | | | | WASH UP PUMPS AND LINES TO PIT |
| Event | 18 | Drop Top Plug | 6/16/2016 | 17:42:57 | USER | | | | | PLUG WENT, VERIFIED BY COMP REP. |
| Event | 19 | Pump Displacement | 6/16/2016 | 17:44:04 | COM6 | 63.00 | 8.35 | 1.90 | 0.3 | 8.34 PPG KCL WATER (105.3 BBLS) 1 GL MMCR, 3 BAGS BE6, 14 SACKS OF KCL |
| Event | 20 | Slow Rate | 6/16/2016 | 17:54:07 | USER | 1616.00 | 8.46 | 9.80 | 97.0 | SLOW RATE TO 4 BPM PER CO REP TO LAND PLUG |
| Event | 21 | Bump Plug | 6/16/2016 | 17:57:48 | COM6 | | | | | LAND PLUG AT 1302 PSI, BROUGHT UP TO 1990 PSI |
| Event | 22 | Check Floats | 6/16/2016 | 18:00:12 | USER | 1995.00 | 8.43 | 0.00 | 110.1 | FLOATS HELD |
| Event | 23 | End Job | 6/16/2016 | 18:02:00 | USER | | | | | RETURNS THROUGHOUT JOB, PIPE WAS NOT RECIPROCATED DURING THE JOB, 0 BBL OF CEMENT BACK TO SURFACE |
| Event | 24 | Slow Rate | 6/16/2016 | 18:15:00 | USER | | | | | SLOW RATE TO 2 BPM PER CO REP TO LAND PLUG |

| | | | | | | |
|-------|----|--|-----------|----------|------|---|
| Event | 25 | Check Floats | 6/16/2016 | 18:30:00 | USER | FLOATS HELD, 1 BBL BACK TO TRUCK |
| Event | 26 | Post-Job Safety Meeting (Pre Rig-Down) | 6/16/2016 | 19:00:00 | USER | ALL HES PRESENT |
| Event | 27 | Rig Down Lines | 6/16/2016 | 19:10:00 | USER | ALL HES PRESENT |
| Event | 28 | Pre-Convoy Safety Meeting | 6/16/2016 | 20:00:00 | USER | ALL HES PRESENT |
| Event | 29 | Crew Leave Location | 6/16/2016 | 20:10:00 | USER | THANK YOU FOR CHOOSING HALLIBURTON CEMENT, CHRIS SMITH AND CREW |

2.0 Attachments

2.1 CHART.png



Job Information

| | | | | | |
|----------------|------------------|----------|-------------------|------------|----------------|
| Request/Slurry | 2324676/2 | Rig Name | H&P 318 | Date | 14/JUN/2016 |
| Submitted By | Evan Russell | Job Type | Production Casing | Bulk Plant | Grand Junction |
| Customer | WPX Energy, Inc. | Location | Garfield | Well | GM 442-8 |

Well Information

| | | | | | |
|-------------------|----------|-----------|---------|------|--------------|
| Casing/Liner Size | 4.5 in | Depth MD | 6843 ft | BHST | 89°C / 192°F |
| Hole Size | 8.75 in | Depth TVD | 6508 ft | BHCT | 53°C / 127°F |
| Pressure | 3900 psi | | | | |

Drilling Fluid Information

| | | | | | |
|-------------------|--------|----------------|------------|---------|-------------|
| Mud Supplier Name | Baroid | Mud Trade Name | BARADRIL-N | Density | 9.9 lbm/gal |
|-------------------|--------|----------------|------------|---------|-------------|

Cement Information - Primary Design

| Conc | UOM | Cement/Additive | Sample Type | Sample Date | Lot No. | Cement Properties | | |
|------|-----|-------------------------|-------------|-------------|------------|-------------------|-------------|----------|
| | | NeoCem™ Cement | | | | Slurry Density | 12.7 | lbm/gal |
| | | | | | | Slurry Yield | 1.869 | ft3/sack |
| | | | | | | Water Requirement | 8.744 | gal/sack |
| | | | | | | Total Mix Fluid | 8.744 | gal/sack |
| | | Cement Blend | | | | | | |
| | | Fresh Water | Lab | 12.03.13 | | | | |
| | | Bentonite Wyoming - PB | Bulk Blend | 14.06.16 | Tank 17 | Water Source | Fresh Water | |
| | | Econolite (Powder - PB) | Bulk Blend | 14.06.16 | U070415 | Water Chloride | | |
| | | Na2SO4 (Sodium Sulfate) | Bulk Blend | 14.06.16 | 02-05-16 | | | |
| | | Salt | | | | | | |
| | | HALAD-344 (PB) | Bulk Blend | 14.06.16 | 15073140 | | | |
| | | NaCl (Sodium Chloride) | Bulk Blend | 14.06.16 | Tank 14 | | | |
| | | Salt | | | | | | |
| | | HALAD-567 | Bulk Blend | 14.06.16 | 08115-139 | | | |
| | | Fe-2 (citric acid) | Bulk Blend | 14.06.16 | GA5L27BK5E | | | |

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Operation Test Results Request ID 2324676/2

Thickening Time

15/JUN/2016

| Temp (°F) | Pressure (psi) | Reached in (min) | Start BC | 30 Bc (hh:mm) | 40 Bc (hh:mm) | 50 Bc (hh:mm) | 70 Bc (hh:mm) | 100 Bc (hh:mm) |
|-----------|----------------|------------------|----------|---------------|---------------|---------------|---------------|----------------|
| 127 | 3900 | 35 | 11 | 3:29 | 3:30 | 3:46 | 4:17 | 4:27 |

800 Total Sacks

CS0496 TR 8677 400 SKS

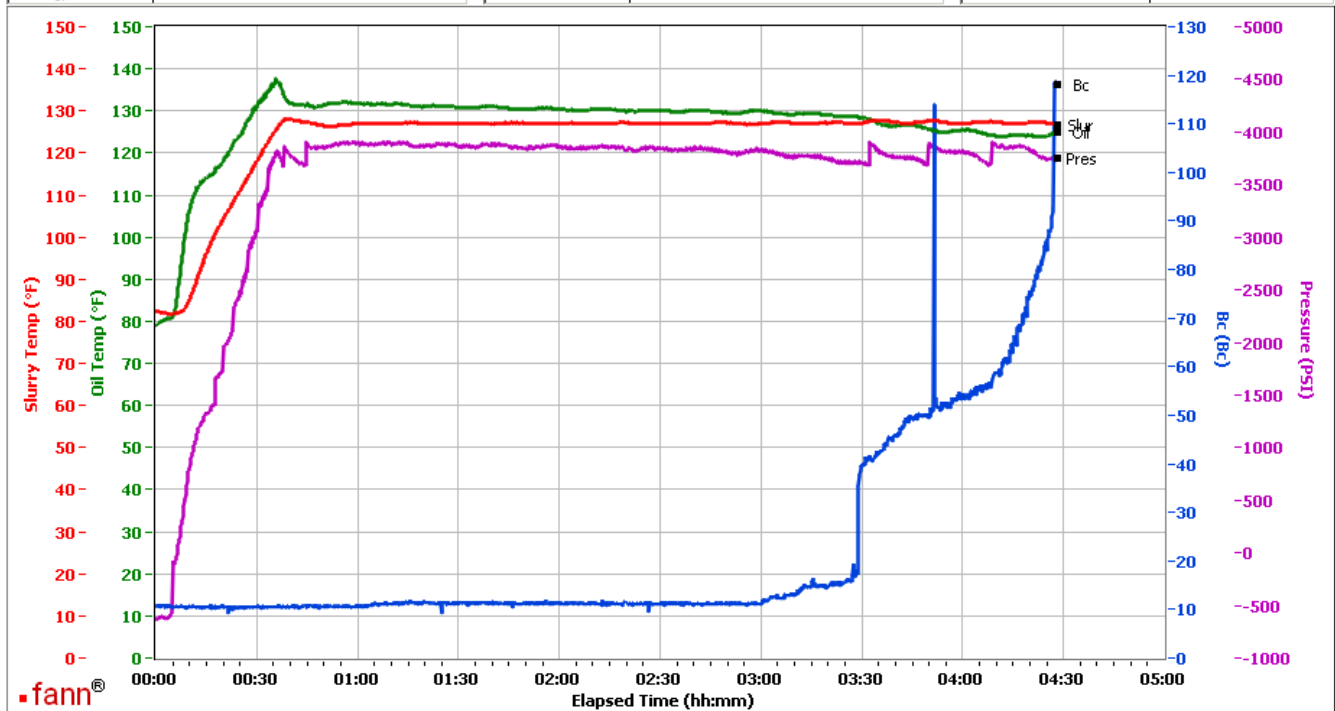
70 Bc and 100 Bc results taken from graph.

Grand Junction Colorado

| Fields | Values |
|-------------------|--------------------------------------|
| Project Name | GJ2324676-2 TERRA PRODUCTION BULK PR |
| Test ID | GJ2324676-2 TERRA |
| Request ID | |
| Tested by | JASON |
| Customer | TERRA |
| Well No | GM 442-8 |
| Rig | H&P 318 |
| Casing/Liner Size | 4.5 |

| Fields | Values |
|----------------|--------------|
| Job Type | PRODUCTION |
| Cement Type | NEOCEM |
| Cement Weight | Light Weight |
| Test Date | 06/14/16 |
| Test Time | 03:55 PM |
| Temp. Units | degF |
| Pressure Units | PSI |
| SW Version | 2.1.0.507 |

| Events | Results |
|-----------|---------|
| 30.00 Bc | 03h:29m |
| 40.00 Bc | 03h:30m |
| 50.00 Bc | 03h:46m |
| 70.00 Bc | 04h:17m |
| 100.00 Bc | 04h:27m |
| 00h:30m | 10.63 |
| 01h:00m | 10.73 |
| 01h:30m | 11.00 |



Data File C:\Documents and Settings\M290\Desktop\Test Data\GJ2324676-2 TERRA BULK PRIMARY.tdms

Comments CS0496 TR 8677 400 SKS

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Operation Test Results Request ID 2324676/1

Thickening Time

15/JUN/2016

| Temp (°F) | Pressure (psi) | Reached in (min) | Start BC | 30 Bc (hh:mm) | 40 Bc (hh:mm) | 50 Bc (hh:mm) | 70 Bc (hh:mm) | 100 Bc (hh:mm) |
|-----------|----------------|------------------|----------|---------------|---------------|---------------|---------------|----------------|
| 127 | 3900 | 35 | 8 | 3:47 | 4:06 | 4:31 | 4:37 | 4:37 |

800 Total Sacks

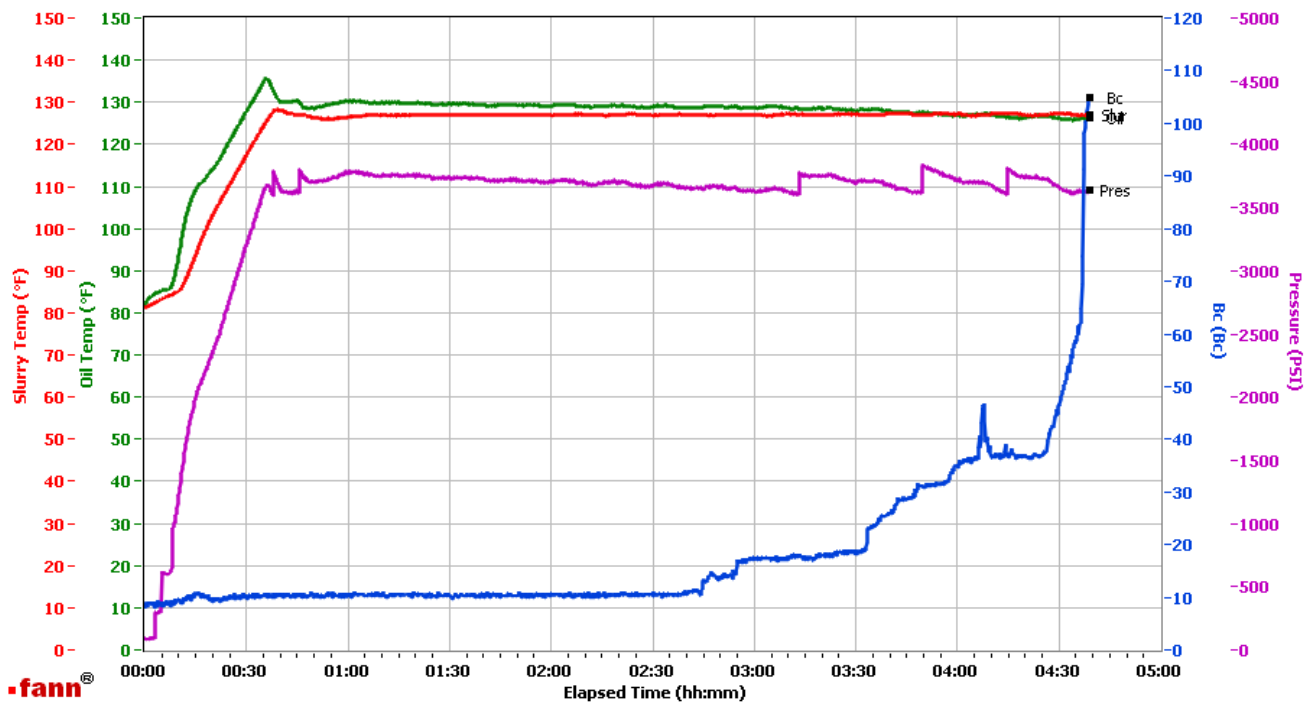
CS0495 TR 8658 400 SKS

Grand Junction Colorado

| Fields | Values |
|-------------------|--------------------------------------|
| Project Name | GJ2324676-1 TERRA PRODUCTION BULK PR |
| Test ID | GJ2324676-1 TERRA |
| Request ID | |
| Tested by | JASON |
| Customer | TERRA |
| Well No | GM 442-8 |
| Rig | H8P 318 |
| Casing/Liner Size | 4.5 |

| Fields | Values |
|----------------|--------------|
| Job Type | PRODUCTION |
| Cement Type | NEOCEM |
| Cement Weight | Light Weight |
| Test Date | 06/14/16 |
| Test Time | 11:07 PM |
| Temp. Units | degF |
| Pressure Units | PSI |
| SW Version | 2.1.0.507 |

| Events | Results |
|-----------|---------|
| 30.00 Bc | 03h:47m |
| 40.00 Bc | 04h:06m |
| 50.00 Bc | 04h:31m |
| 70.00 Bc | 04h:37m |
| 100.00 Bc | 04h:37m |
| 00h:30m | 9.93 |
| 01h:00m | 10.52 |
| 01h:30m | 10.40 |



Data File C:\Documents and Settings\Administrator\Local Settings\Temporary Internet Files\Content.IE5\0PEF4HI7\GJ2324676-1 TERRA BULK PRIMARY[1].tdms

Comments CS0495 TR 8658 400 SKS

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