

Well Name:

Kimball Mountain DH5A-32 C08 799

Location:

Piceance Basin, Colorado

Field:

Gasaway

API#:

05-045-20789-0000

Surface Location:

NENW Sec 8 T7S - R99W

BH Location:

NENW Sec 32 T6S - R99W

KB to GL:

30 ft

TD:

18,304 ft

Float Collar:

18,196 ft

80 deg Dev @:

8,240 ft

KOP:

6,305 ft

Average TVD:

7,995 ft

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|-----------------|------------------------|
| Surface Casing: | 10.75" 40.5# J-55 Butt |
| Set at: | 1,258 ft |
| Top of Cement: | Surface |

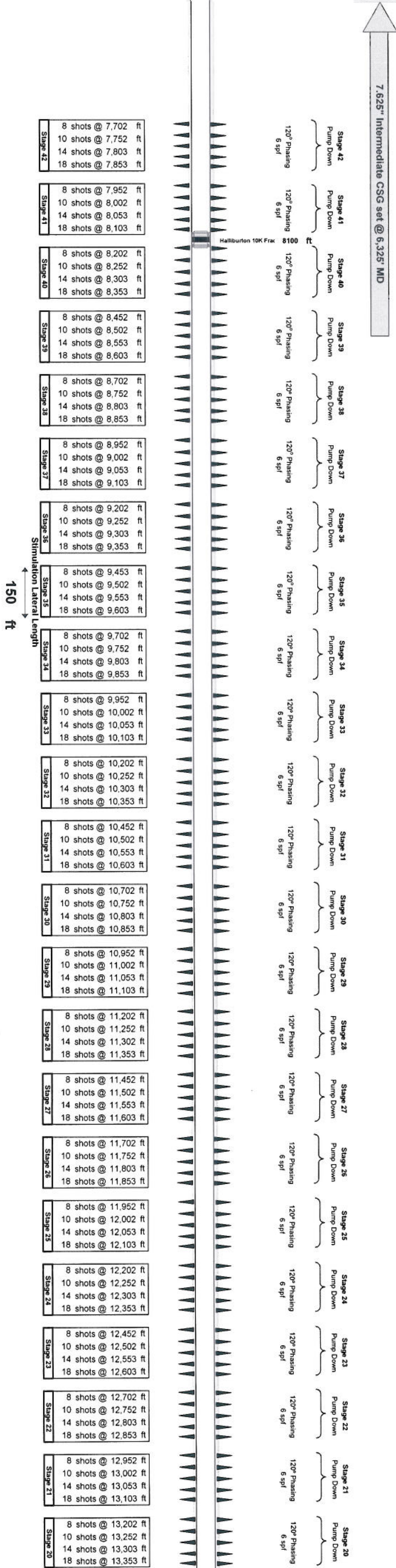
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|-----------------------------------|---------------------------|
| Intermediate Casing: | 7.625" 26.4# HCP-110 Butt |
| Set at: | 6,325 ft |
| Inclination at Intern. CSG Point: | 1.0° |
| Burst Pressure: | 8280 psi (80% = 6624 psi) |
| Top of Cement: | 1,576 ft |

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|--------------------|------------------------------|
| Production Casing: | 4.5" 13.5# P-110 BUTT |
| Inside Diameter: | 3.920" Drift: 3.795" |
| Set at: | 12,416 ft |
| TVD Average: | 7,995 ft |
| Burst Pressure: | 12,410 psi (80% = 9,928 psi) |
| Top of Cement: | 5,430 ft (planned) |

| Directional Survey Information: | | |
|---------------------------------|---------------|------------------------------------|
| KOP 6,305 ft. | | |
| Deviation = 20° @ | 6,975 ft | Approximate Pumpdown Rate 2 BPM |
| Deviation = 40° @ | 7,442 ft | 4 BPM |
| Deviation = 60° @ | 7,853 ft | 8 BPM |
| Deviation = 80° @ | 8,240 ft | 10 BPM |
| Deviation = 90° @ | 8,517 ft | 12+ BPM (DO NOT EXCEED 14 BPM) |
| End of Build Average: | 88.67 degrees | |
| 0 | | |

Displacement Factors:
4.5" 13.5# P-110: 0.6258 gal/cft
0.0149 bbl/cft

Hydrostatic @ TVD = 3,466 psi



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| Stage 19 Pump Down | 120° Phasing 6 spt | } | Stage 18 Pump Down | 120° Phasing 6 spt | } | Stage 17 Pump Down | 120° Phasing 6 spt | } | Stage 16 Pump Down | 120° Phasing 6 spt | } | Stage 15 Pump Down | 120° Phasing 6 spt | } | Stage 14 Pump Down | 120° Phasing 6 spt | } | Stage 13 Pump Down | 120° Phasing 6 spt | } | Stage 12 Pump Down | 120° Phasing 6 spt | } | Stage 11 Pump Down | 120° Phasing 6 spt | } | Stage 10 Pump Down | 120° Phasing 6 spt | } | Stage 9 Pump Down | 120° Phasing 6 spt | } | Stage 8 Pump Down | 120° Phasing 6 spt | } | Stage 7 Pump Down | 120° Phasing 6 spt | } | Stage 6 Pump Down | 120° Phasing 6 spt | } | Stage 5 Pump Down | 120° Phasing 6 spt | } | Stage 4 Pump Down | 120° Phasing 6 spt | } | Stage 3 Pump Down | 120° Phasing 6 spt | } | Stage 2 Pump Down | 120° Phasing 6 spt | } | Stage 1 Pump Down | 6 spt | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Stage 19 | 8 shots @ 13,452 ft | | Stage 18 | 8 shots @ 13,702 ft | | Stage 17 | 8 shots @ 13,952 ft | | Stage 16 | 8 shots @ 14,202 ft | | Stage 15 | 8 shots @ 14,452 ft | | Stage 14 | 8 shots @ 14,702 ft | | Stage 13 | 8 shots @ 14,952 ft | | Stage 12 | 8 shots @ 15,202 ft | | Stage 11 | 8 shots @ 15,452 ft | | Stage 10 | 8 shots @ 15,702 ft | | Stage 9 | 8 shots @ 15,952 ft | | Stage 8 | 8 shots @ 16,202 ft | | Stage 7 | 8 shots @ 16,452 ft | | Stage 6 | 8 shots @ 16,702 ft | | Stage 5 | 8 shots @ 16,952 ft | | Stage 4 | 8 shots @ 17,202 ft | | Stage 3 | 8 shots @ 17,452 ft | | Stage 2 | 8 shots @ 17,702 ft | | Stage 1 | 8 shots @ 17,955 ft | |
| | 10 shots @ 13,502 ft | | | 10 shots @ 13,752 ft | | | 10 shots @ 14,002 ft | | | 10 shots @ 14,252 ft | | | 10 shots @ 14,502 ft | | | 10 shots @ 14,752 ft | | | 10 shots @ 15,002 ft | | | 10 shots @ 15,252 ft | | | 10 shots @ 15,499 ft | | | 10 shots @ 15,752 ft | | | 10 shots @ 16,002 ft | | | 10 shots @ 16,252 ft | | | 10 shots @ 16,502 ft | | | 10 shots @ 16,752 ft | | | 10 shots @ 17,002 ft | | | 10 shots @ 17,252 ft | | | 10 shots @ 17,502 ft | | | 10 shots @ 17,803 ft | | | 10 shots @ 18,053 ft | |
| | 14 shots @ 13,553 ft | | | 14 shots @ 13,803 ft | | | 14 shots @ 14,053 ft | | | 14 shots @ 14,303 ft | | | 14 shots @ 14,554 ft | | | 14 shots @ 14,803 ft | | | 14 shots @ 15,053 ft | | | 14 shots @ 15,303 ft | | | 14 shots @ 15,553 ft | | | 14 shots @ 15,803 ft | | | 14 shots @ 16,053 ft | | | 14 shots @ 16,303 ft | | | 14 shots @ 16,553 ft | | | 14 shots @ 16,803 ft | | | 14 shots @ 17,053 ft | | | 14 shots @ 17,303 ft | | | 14 shots @ 17,553 ft | | | 14 shots @ 17,853 ft | | | 14 shots @ 18,103 ft | |
| | 18 shots @ 13,603 ft | | | 18 shots @ 13,853 ft | | | 18 shots @ 14,103 ft | | | 18 shots @ 14,353 ft | | | 18 shots @ 14,603 ft | | | 18 shots @ 14,853 ft | | | 18 shots @ 15,103 ft | | | 18 shots @ 15,353 ft | | | 18 shots @ 15,603 ft | | | 18 shots @ 15,853 ft | | | 18 shots @ 16,103 ft | | | 18 shots @ 16,353 ft | | | 18 shots @ 16,603 ft | | | 18 shots @ 16,853 ft | | | 18 shots @ 17,103 ft | | | 18 shots @ 17,352 ft | | | 18 shots @ 17,853 ft | | | 18 shots @ 18,103 ft | | | | |

Cast Iron BP @ 18,156 ft