

SYNTANA Drill Hole SYN-1
 Location Sec 16 T9S R25E Uintah Co, UT
400 FNL 845 FEL

Collar Elevation 5890'
 Total Depth 1372.6
 Drilled 0-402'

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 Logged By CRB

Depth	Description
0 12	grayish orange marlstone and siltstone
2 22	grayish orange marlstone and siltstone
2 32	grayish orange marlstone and siltstone
2 42	light gray and grayish orange marlstone and siltstone
2 52	light gray subangular finess and light gray marlstone and siltstone
2 62	light gray subangular fine ss and light gray marlstone and siltstone
2 72	light gray marlstone and siltstone
2 82	light olive gray marlstone and siltstone
2 92	light gray marlstone and siltstone with light gray subangular ss
2 102	med. light gray med subangular ss with fine light gray marlstone and siltstone
2 112	light gray marlstone and siltstone with light gray fine subangular ss
2 122	light gray marlstone and siltstone
2 132	light olive gray marlstone and siltstone
2 142	light gray marlstone and siltstone
2 152	light olive gray fine subrounded ss with light olive gray marlstone and siltstone
2 162	light gray marlstone and siltstone with light gray fine subrounded ss
2 172	light gray med subrounded ss with light gray marlstone and siltstone
2 182	light gray marlstone and siltstone
2 192	light gray marlstone and siltstone
2 202	light gray subangular fine ss with light gray marlstone and siltstone
2 212	pale yellowish brown marlstone and siltstone
2 222	light olive gray fine subangular ss with light olive gray marlstone and siltstone
2 232	pale yellowish brown marlstone and siltstone
2 242	light olive gray marlstone and siltstone
2 252	light olive gray marlstone and siltstone with light olive gray fine subrounded ss
2 262	pale yellowish brown marlstone and siltstone with pale yellowish brown fine subrounded ss
2 272	pale yellowish brown fine subrounded ss with pale yellowish brown marlstone and siltstone
2 282	light olive gray siltstone
2 292	light olive gray fine subrounded ss with light olive gray marlstone and siltstone
2 302	light olive gray fine subrounded ss with light olive gray marlstone and siltstone
2 312	light olive gray fine ss with light olive gray marlstone and siltstone
2 322	light olive gray fine ss
2 332	pale yellowish brown marlstone and siltstone
2 342	pale yellowish brown marlstone and siltstone
2 352	light olive gray ss with light gray marlstone and siltstone
2 362	light olive gray fine ss
2 372	light gray fine subrounded ss
2 382	light gray fine subrounded ss
2 392	pale yellowish brown fine subrounded ss

UNIT A
 UINTEA FORMATION

SYNTANA Drill Hole SYN-1
 Location Sec 16 T9S R25E Uintah Co, UT

Collar Elevation 5890

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Total Depth 1372.6

Drilled 402' - 802

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Depth	Description
402' 402'	Dark yellowish brown fine ss, marlstone, siltstone (TOP OF GREEN RIVER FM)
412 422	Dark yellowish brown finess, marlstone, siltstone
422 432	Dark yellowish brown marlstone, siltstone, ss
432 442	Dark yellowish brown marlstone, siltstone, ss
442 452	Dark yellowish brown marlstone, siltstone, ss
452 462	Dark yellowish brown x finess, siltstone, marlstone
462 472	Dark yellowish brown x finess, siltstone, marlstone
472 482	Dark yellowish brown marlstone with lt. gray marlstone
482 492	pale yellowish brown marlstone, siltstone
492 502	pale yellowish brown marlstone, siltstone
502 512	pale yellowish brown marlstone
512 522	pale yellowish brown marlstone
522 532	pale yellowish brown marlstone
532 542	Dark yellowish brown marlstone
542 552	dark yellowish brown marlstone and oil shale
552 562	pale yellowish brown marlstone and oil shale
562 572	pale-dark yellowish brown marlstone and oil shale
572 582	pale-dark yellowish brown marlstone and oil shale
582 592	Dark yellowish brown marlstone and oil shale — End of ops 11/4/80 —
592 602	pale yellowish brown marlstone and oil shale — First obvious oil shale odor. —
602 612	Dark yellowish brown marlstone and oil shale
612 622	pale yellowish brown marlstone and oil shale
622 632	pale yellowish brown marlstone and oil shale
632 642	pale yellowish brown oil shale } very light
642 652	pale yellowish brown oil shale } fine
652 662	pale yellowish brown oil shale
662 672	pale yellowish brown oil shale
672 682	Dark gray oil shale
682 692	Dark olive gray oil shale
692 702	dark yellowish brown oil shale
702 712	dark yellowish brown oil shale
712 722	dark yellowish brown oil shale
722 732	pale yellowish brown oil shale
732 742	pale yellowish brown oil shale
742 752	pale yellowish brown oil shale
752 762	Dusky brown oil shale (wet from here) Pulled string to change bit @ ~755'. Mud on pipes.
762 772	Dusky brown oil shale w/ accessories SAMPLES 750' - 760' are suspect. Foam drilling started @ 755'
772 782	Dusky brown oil shale w/ accessories 1/3 void 771-772, 1/2 void @ 776
782 792	Dusky brown oil shale w/ accessories 1/3 void 771-772, 1/2 void @ 776

SYNTANA Drill Hole SYN-1
Location NE 1/4 Sec 16 T9S R2SE
400' FNL 845' FEL

Collar Elevation 5890
Total Depth 1372.6
Drilled 802' - 1070'

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Logged By CRB

	Depth	Description
802	812	Dusky brown oil shale w/ accessories
812	822	Dusky brown oil shale w/ accessories
822	832	Dusky brown oil shale w/ accessories
832	842	Dusky brown oil shale
842	852	Dusky brown oil shale
852	862	Dusky brown oil shale
862	872	Dusky brown oil shale
872	882	Dusky brown oil shale
882	892	Dusky brown oil shale
892	902	Dusky brown oil shale
902	912	Dusky brown oil shale
912	922	Dusky brown oil shale
922	932	Dusky brown oil shale
932	942	Dusky brown oil shale
942	952	Dusky brown oil shale w/ accessories
952	962	Dusky brown oil shale w/ accessories
962	972	Dusky brown oil shale
972	982	Dusky brown oil shale
982	992	Dusky brown oil shale
992	1002	Dusky brown oil shale
1002	1012	Dusky brown oil shale
1012	1022	Dusky brown oil shale
1022	1032	Dusky brown oil shale
1032	1042	Dusky brown oil shale
1042	1052	Dusky brown oil shale
1052	1062	Dusky brown oil shale
1062	1070'	Dusky brown oil shale