

COLORADO OIL SHALE

Corehole: TWIG (23' - 687'2")

23'- 42'9"	intbd. ss., v.f.g. to f.g., p. sort., and sltst., lt. gy. to ylw.-gy., scat. carb. mat., w. indur.
42'9"- 52'10"	as above; at 50'4", oil shale, lt. gy. to med. gy. fine-banded, w. indur., w/scat. carb. frgs., and intbd. sltst.
52'10"- 62'	as above
62'- 71'7"	as above
71'7"- 85'10"	intbd. ss. and sltst., v. lt. gy. to lt. gy., v.f.g. to f.g., w/indur., w/abnt. carb. mat. conc. in strat. zns.
85'10"- 95'10"	as above
95'10"- 105'8"	intbed. ss. and sltst., as above
105'8"- 115'7"	as above, w/intbd. blk. sh. at 108'6" to 109'
115'7"- 125'7"	as above
125'7"- 135'2"	as above
135'2"- 145'1"	as above, w/scat. chert zns.
145'1"- 154'7"	as above, w/intbd. oil shale, lt. gy. to med. gy., fine-banded, w.indur.
154'7"- 164'9"	as above
164'9"- 174'7"	oil shale, lt. gy. to med. lt. gy., fine-banded, w. indur., w/scat. carb. mat.
174'7"- 184'7"	as above

184'7"-
 194'8" as above

194'8"-
 203'7" oil shale, med. lt. gy. to lt. gy., banded. to massive, w. indur.,
 w/scat. carb. frgs., v. thin, platy

203'7" as above

213'8"-
 223'9" as above

223'9"-
 234'5" as above, w/contorted bedding common

234'5"-
 244'6" as above

244'6"-
 254'3" as above

254'3"-
 264'3" oil shale, lt. gy. to gy.-blk., fine-banded, occ. massive, scat. carb.
 mat., w. indur.

264'3"-
 273'5" as above, w/occ. thn. (1"-2") tuff. zns.

273'5"-
 283'4" as above, w/tuff zns. com.

283'4"-
 293'5" as above

293'5"-
 303'6" as above

303'6"-
 313'6" as above, w/ox., frac. zns. at 305'6" and 307'4"

313'6"-
 323'5" as above

323'5"-
 333'5" as above, w/½" ash zn. at 325'6"

333'5"-
 342'9" oil shale, med. gy. to gy. blk., fine-banded, w. indur., scat. carb.
 mat., frac. (random orient.) from 338' to 338'6"

342'9"-
 352'6" as above, w/frac. at 80° from 333' to 334'

352'6"-
 362'7" oil shale, med. lt. gy. to brn.-gy., fine-banded, w. indur.

362'7"-
 372'7" as above

372'7"-
 382'4" as above, w/chert zones 380'6" to 382'

382'4"-
 391'3" as above, w/chert zones from 382'4" to 383'

391'3"-
 400'10" oil shale, med. lt. gy. to gy.-blk., fine-banded, w/contort. bedding from 400' to 400'10"

400'10"-
 410'6" as above, w/contort. bed. from 400'10" to 402'; 3" chert zn. at 409'7"

410'6"-
 420'5" as above, w/asphaltic tuff bed 2" thick at 418'

420'5"-
 429'10" as above, w/chert zns. at 427'10" to 428'4"

429'10"-
 440' as above

440'-
 450' as above, w/thin tuff beds at 444' and 445'4"

450'-
 460' as above, w/thin, asphaltic tuff beds from 455' to 456'

460'-
 469'10" as above, w/thin seams of asphaltic tuff from 465'4" to 465'8"

469'10"-
 479'9: as above, w/tuff beds from 472' to 473', and contorted, asphaltic tuff zones from 476' to 477'8"

479'9"-
 489'7" oil shale, med. lt. gy. to brn-gy, fine-banded, w. indur., w/tuff beds and asphaltic zns. com. from 482'4" to 483'9"

489'7"-
 499'6" oil shale, as above, w/tuff zn. from 495'6" to 495'8"

499'6"-
 509'5" as above

509'5"-
 521'10" as above, w/tuff zns. from 511'9" to 512', and ox., asphaltic zn. at 519', 2" thick

521'10"-
532'

← *Wavy Tuff*
as above, w/tuff zn. from 525'6" to 528' (w/intbd. oil shale) and
ox., asphaltic zn. from 528' to 528'6"

532'-
544'3"

oil shale, as above

544'3"-
554'3"

as above, w/ox., asphaltic zn. at 545'

554'3"-
564'4"

as above

564'4"-
573'4"

oil shale, med. lt. gy., to brn.-blk., fine-banded, w. indur.

573'4"-
583'3"

as above

583'3"-
600'1"

oil shale, lt. gy. to brn.-blk., fine-banded, w. indur.

600'1"-
619'5"

as above, w/tuff zns. 613' to 617' ($\frac{1}{2}$ " to 3" thick)

619'5"-
637'2 $\frac{1}{2}$ "

as above, w/8" tuff zn. at 628'4" to 629'2" (mahogany marker at 620')

637'2 $\frac{1}{2}$ "-
655'6"

as above

655'6"-
674'5"

as above

674'5"-
687'2"

as above