

COLORADO OIL SHALE

Corehole: LIGNUM VITA #9 (10'-680')

10'-
20'6" oil shale, ylw.-gy., lt. gy., to med. gy., scat. carb. frg., w. indur.

20'6"-
29'6" as above, w/small cavities common (approx. 1" or less dia.)

29'6"-
39'4" as above, w/scat. tuff. zns.

39'4"-
49'3" oil shale, lt. gy. to med. dk. gy., fine-banded, occ. massive, w. indur.

49'3"-
59'6" as above

59'6"-
68'9" as above, w/85° frac. from 61'6" to 62'6", frac. coated w/carb. mat.

68'9"-
78'3" as above

78'3"-
88'1" oil shale, lt. gy. to gy.-blk., fine-banded, scat. tuff. zns. 1" to 2" thick, w. indur.

88'1"-
98' oil shale, as above

98'-
106'2" as above, fine-banded to massive

106'2"-
117'1" oil shale, as above

117'1"-
127'8" oil shale, lt. gy. to med. gy., fine-banded, scat. carb. mat., w. indur.

127'8"-
138'4" oil shale, lt. gy. to dk. gy., fine-banded, scat. carb. mat., w. indur.

138'4"-
150' as above, w/scat. tuff. zns. and small cavities

150'6"-
161' oil shale, as above, w/scat. tuff. zns.

161'-
171' as above, w/fracs. at 161'6", filled w/asphaltic material

171'-
181-4" oil shale, as above

181'4"- 191'2"	oil shale, as above
191'2"- 200'6"	as above
200'6"- 210'10"	oil shale, as above
210'10"- 220'10"	oil shale, as above
220'10"- 231'2"	oil shale, as above
231'2"- 240'6"	as above, w/cavities from 237' to 240'
240'6"- 250'6"	as above, w/small ($\frac{1}{4}$ ") cavities common
250'6"- 262'	oil shale, as above
262'- 270'9"	as above, w/cavities from 266' to 268'
270'9"- 281'	oil shale, as above
281'- 290'6"	oil shale, med. gy. to gy.-blk., fine-banded, w. indur.
290'6"- 300'6"	oil shale, as above
300'6"- 310'6"	as above
310'6"- 320'6"	oil shale, as above
320'6"- 330'4"	as above
330'4"- 340'6"	as above
340'6"- 350'6"	oil shale, as above
350'6"- 360'6"	oil shale, as above

360'6"- 370'2"	as above
370'2"- 380'2"	oil shale, as above
380'2"- 390'6"	as above
390'6"- 399'5"	oil shale, as above
399'5"- 409'5"	as above
409'5"- 419'10"	oil shale, lt. gy. to gy.-blk., fine-banded, scat. tuff. zns., w. indur.
430'6"- 440'6"	as above
440'6"- 450'	as above
450'- 460'6"	as above, w/tuff. zn. 1" to 3" thick
460'6"- 470'6"	as above
470'6"- 480'6"	oil shale, as above
480'6"- 490'6"	as above
490'6"- 500'6"	as above
500'6"- 510'6"	oil shale, as above
510'6"- 520'6"	as above
520'6"- 530'6"	as above
530'6"- 540'6"	as above
540'6"- 552'8"	as above
552'8"- 563'6"	as above, w/thin tuff. zns. from 563' to 563'6"

Signature
Date

563'6"-
573'6" as above, w/scat. tuff. zns.

573'6"-
580'6" oil shale, as above

580'9"-
590'8" as above (mahogany marker at 582'6")

590'8"-
600'7" oil shale, as above

600'7"-
610'6" oil shale, as above

610'6"-
620'2" oil shale, as above

620'2"-
639'10" as above, w/1" cavity at 639'

639'10"-
650'10" as above

650'10"-
662'10" as above, w/cavities from 657' to 658', w/4" tuff. zn. at 660'

662'10"-
676' as above, w/occ. tuff. zn., ½" to 1" thick

676'-
680' oil shale, as above