

CORE DESCRIPTIONS

H. OLSEN OIL COMPANY
Courtland Myers No. 3
660' FSL and 1980' FWL Sec. 5-24S-37E
Lea County, New Mexico

CORE #1

Depth Cored: 3400 - 3450'
Recovered: 50'

3400-3404	Tan to gray, fine to coarsely crystalline, anhydritic dolomite
3404-3408	Tan to gray, finely crystalline dolomite; 04-04½ bleeding oil; few carbonaceous streaks.
3408-3409	Tan to gray, finely crystalline dolomite; heavy bleeding; some recementing--no bedding
3409-3410½	Tan to gray, anhydritic dolomite
3410½-3415½	Finely crystalline dolomite with anhydrite inclusions, some black shale; no bedding
3415½-3416½	Finely crystalline dolomite; bleeding
3416½-3425	Shaly dolomite with anhydrite inclusions; no bedding
3425-3429	Brown, very tight dolomite
3429-3437½	Brown, very tight dolomite; anhydrite inclusions; no bedding
3437½-3440	Dolomitic, medium grained sandstone; no odor
3440-3445½	Dolomitic, medium grained sandstone; strong odor
3445½-50	Dolomite with shaly streaks

CORE #2

Depth Cored: 3450 - 3507'
Recovered: 57'

Sample description has not been received from Core Laboratories.

CORE #3

Depth Cored: 3507 - 3564'
Recovered: 57'

3507-3513½	Dark, brown, medium crystalline, shaly dolomite
3513½-14	Missing
3514-3514½	Gray, sandy, medium to coarsely crystalline dolomite; stain concentrated in the more sandy spots
3514½-17	Greenish-gray, shaly, medium crystalline dolomite; streaks of black-gray shale
3517-3519	Black, very shaly
3519-3520½	Gray, finely crystalline dolomite
3520½-3522½	Gray, sandy, medium crystalline dolomite

Core #3 continued

3522½-3526	Gray to brown, dolomitic, medium grained sandstone; odor; bleeding oil; 24½-25 missing
3526-3530	Gray, tight, medium crystalline, dolomite becoming slightly sandy and stained at base; some core missing
3530-3530½	Brown, medium crystalline, very sandy dolomite; odor; stain
3530½-3533	Gray, dense, slightly shaly, medium crystalline dolomite; 31 & 32 possibly missing
3533-3536	Brown, slightly sandy, finely crystalline dolomite; bleeding oil; some core missing
3536-3540	Gray, shaly, dense, finely crystalline dolomite; some core missing
3540-3543	Brown, sandy, medium crystalline dolomite, odor, bleeding oil; some core missing
3543-3550½	Brown to gray, slightly shaly, tight, finely crystalline, fractured dolomite; slight bleeding along horizontal fractures; strong bleeding from 3549-51 due to being more coarsely crystalline
3550½-51	Brown-black, finely crystalline, shaly dolomite
3551-3558½	Tan & gray, very finely crystalline dolomite with intermittent black shale streaks, some scattered vuggy porosity
3558½-3564	Brown, slightly shaly, dolomitic sandstone & sandy dolomite interbedded; dolomite medium crystalline and sandstone medium grained; strong odor; some core missing

Core #4

Depth Corer:	3564 - 3621'
Recovered:	57'
3564-3565	Black, shaly, slightly sandy, medium crystalline dolomite; good odor
3565-3569	Gray, shaly, medium crystalline dolomite
3569-3570	Brown, medium grained, dolomitic sandstone; strong odor
3570-3572½	Tan, tight, lithographic dolomite; stylolite at 71.5
3572½-3577½	Brown, very sandy, shaly dolomite
3577½-3582½	Black, very shaly, medium crystalline dolomite
3582½-3584	Brown, shaly, dolomitic sandstone; odor; most of interval missing
3584-3588	Tan-gray, fractured, lithographic dolomite; oil in fractures; stylolite at 83.5
3588-3590½	Black, sandy shale
3590½-3594½	Black, very shaly, sandy, medium crystalline dolomite; odor
3594½-3595	Black, limy shale
3595-3602	Tan-gray, fractured, finely crystalline dolomite; odor; various stylolites & thin, black shale streaks in interval
3602-3603	Gray, sandy dolomite; sand very fine grained; no porosity indicated
3603-3613½	Black, finely crystalline dolomite; considerable oil bleeding from vuggy porosity at 3606-07 and 08-13½
3613½-3621	Gray, fractured, finely crystalline dolomite; few black shale streaks; scattered bleeding from horizontal fractures.

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