

ROYAL OIL COMPANY & H. G. TENROSE, INC.

WELL NO. 7. DEEPENING

990' FWL., 330' FWL of Sec. 15-228-372
South Hare Field, Lea County, New Mexico

SAMPLE DESCRIPTION
By Richard S. Anderson

O. T. B. 7366', Drill; 7361', Schlumberger.

- 7366-7367 100% Sand, White, M-CG Loose; Slight Stain.
7366 30% Shale, Purple and Green; 70% Sand, White, M-CG Loose; Slight stain in Sand.
7370 100% Shale, Purple and Green and Red, Slightly Sandy
7372 70% Shale, Green, Purple and Gray, Sandy; 30% Sand Gray-Green, Shly.
7374 70% Shale, Green, Purple and Gray, Sandy; 20% Sand Gray-Green, Shly, 10% Sand White, CG-Semented; Slight Stain in Sand.
7376 100% Shale, Green, Purple and Gray and Red, Very Sandy.
7378 20% Shale, Green and Sandy; 40% Shale, Brown and Very Sandy; 40% Sand White to Brown, CG, Shly; Slight ? Stain in Sand.
7380 100% Shale, Purple, Red and Green, Sandy.
7382 70% Shale, Green and Dark Red, Sandy; 30% Sand, Green, M-CG, Shly Cont.
7384 60% Shale, Green and Dark Red, Sandy; 40% Sand, Green, M-CG, Shly Cont.
7386 20% Shale, White F., Sandy; Trace of Stain in Sand; 40% Shale Green, Dark Red, Sandy; 20% Sand Gray-Green, M-CG Shly, 20% Sand White, M-CG Cemented; Embedded Quarts Grains in Limestone.
7388 60% Limestone, White F., Sandy; Slight Stain in Sand; 20% Shale, Green and Dark Red, Sandy; 20% Sand, White, M-CG, Com.; Embedded Quarts Grains in Limestone.
7390 20% Limestone, White, F., Sandy; 50% Shale Green, Red, Purple; 30% Sand Gray-Green, M-CG, Shly; Embedded Quarts Grains in Limestone.

New T. B. 7390' (Drill)

New T. B. 7395' (Schlumberger Measurement)

HOWAN OIL COMPANY & M. G. KENNEDY, INC.

WATER NO. 7. DRILLING

990' WEL, 330' WEL of sec. 12-22-37E
South Main Field, Las Compa, New Mexico

SAMPLE DESCRIPTION
By Richard S. Anderson

O. T. D. 1366, Driller; 1361, Schlumberger.

1366-1367 100X sand, white, M-CG loose; slight stain.
1368 30X shale, purple and green; 10X sand, white, M-CG loose; slight stain in sand.
1370 100X shale, purple and green and red, slightly sandy
1372 70X shale, green, purple and gray, sandy; 30X sand gray-green, shly.
1374 70X shale, green, purple and gray, sandy; 30X sand gray-green, shly.
10X sand white, M-CG cemented; slight stain in sand.
1376 100X shale, green, purple and red, very sandy.
1378 30X shale, green and sandy; 10X shale, brown and very sandy; 40X sand white to brown, CG, shly; slight stain in sand.
1380 100X shale, purple, red and green, sandy.
1382 70X shale, green and dark red, sandy; 30X sand, green, M-CG, shly cont.
1384 60X shale, green and dark red, sandy; 40X sand, green, M-CG, shly cont.
1386 30X lime, white fx, sandy; trace of stain in sand; 40X shale green, dark red, sandy; 30X sand gray-green, M-CG shly, 30X sand white, M-CG, matrix; embedded waste grains in limestone.
1388 60X lime, white fx, sandy; slight stain in sand; 30X shale, green and dark red, sandy; 30X sand, white, M-CG, cont.; embedded waste grains in limestone.
1390 30X lime, white, fx, sandy; 30X shale green, red, purple; 30X sand gray-green, M-CG, shly; embedded waste grains in limestone.

New T. D. 1390, (Driller)
New T. D. 1382, (slater Schlumberger measurement)

ROMAN OIL COMPANY & M. G. MENROSE, INC.

WALDEN NO. 7, DREAMING

990' FNL, 330' FNL of Sec. 15-228-37E
South Hare Field, Lea County, New Mexico

SAMPLE DESCRIPTION
by Richard S. Anderson

G. T. D. 7366', Driller; 7361', Schlumberger.

- 7366-7367 100% Sand, White, M-CG Loose; Slight Stain.
7368 30% Shale, Purple and Green; 70% Sand, White, M-CG Loose; Slight Stain in Sand.
7370 100% Shale, Purple and Green and Red, Slightly Sandy
7372 70% Shale, Green, Purple and Gray, Sandy; 30% Sand Gray-Green, Shly.
7374 70% Shale, Green, Purple and Gray, Sandy; 20% Sand Gray-Green, Shly; 10% Sand White, CG-Cemented; Slight Stain in Sand.
7376 100% Shale, Green, Purple and Gray and Red, Very Sandy.
7378 20% Shale, Green and Sandy; 40% Shale, Brown and Very Sandy; 40% Sand White to Brown, CG, Shly; Slight ? Stain in Sand.
7380 100% Shale, Purple, Red and Green, Sandy.
7382 70% Shale, Green and Dark Red, Sandy; 30% Sand, Green, M-CG, Shly Cent.
7384 60% Shale, Green and Dark Red, Sandy; 40% Sand, Green, M-CG, Shly Cent.
7386 20% Lime, White Fk, Sandy; Trace of Stain in Sand; 40% Shale Green, Dark Red, Sandy; 20% Sand Gray-Green, M-CG Shly, 20% Sand White, MG Quarzitic; Embedded Quartz Grains in Limestone.
7388 60% Lime, White Fk, Sandy; Slight Stain in Sand; 20% Shale, Green and Dark Red, Sandy; 20% Sand, White, M-CG, Cen.; Embedded Quartz Grains in Limestone.
7390 20% Lime, White, Fk, Sandy; 50% Shale (Green, Red, Purple; 30% Sand Gray-Green, M-CG, Shly; Embedded Quartz Grains in Limestone.

New T. D. 7390' (Driller)

New T. D. 7385' (using Schlumberger Measurement)

WIDTWD OFFICE
NOV 5 - 1942
RECEIVED

Section 1, T. 1 N., R. 1 E., S. 10 N., T. 1 N., R. 1 E., S. 10 N.

Section 1, T. 1 N., R. 1 E., S. 10 N.

Section 1, T. 1 N., R. 1 E., S. 10 N.
North Star Field, New Mexico

Section 1, T. 1 N., R. 1 E., S. 10 N.
by Richard L. Anderson

Section 1, T. 1 N., R. 1 E., S. 10 N.

1366-1367 100% Sand, white, 1-20 loose; light brown.
1368 30% Shale, purple and green; 70% sand, white, 1-20 loose; light brown.
1370 100% Shale, purple and green and red, slightly sandy.
1372 70% Shale, green, purple and gray, sandy; 30% sand gray-green, shaly.
1374 70% Shale, green, purple and gray, sandy; 30% sand gray-green, shaly.
10% sand white, 90% cemented; slight stain in sand.
1376 100% Shale, green, purple and red, very sandy.
1378 20% Shale, green and sandy; 80% shale, brown and very sandy; 40% sand white to brown, 60% shaly; slight stain in sand.
1380 100% Shale, purple, red and green, sandy.
1382 70% Shale, green and dark red, sandy; 30% sand, green, 1-20, shaly cent.
1384 60% Shale, green and dark red, sandy; 40% sand, green, 1-20, shaly cent.
1386 20% Lime, white, sandy; trace of stain in sand; 80% shale green, dark red, sandy; 20% sand gray-green, 1-20 shaly, 20% sand white, 20% sand white, 20% sand white.
1388 60% Lime, white, sandy; slight stain in sand; 40% shale, green and dark red, sandy; 60% sand, white, 1-20, cent.; bedded matrix stain in limestone.
1390 20% Lime, white, sandy; 80% shale green, red, purple; 20% sand gray-green, 1-20, shaly; bedded matrix stain in limestone.

Section 1, T. 1 N., R. 1 E., S. 10 N. (Griller)

Section 1, T. 1 N., R. 1 E., S. 10 N. (Griller)

RECEIVED
NOV 2 - 1949
MIDLAND OFFICE

ROMAN OIL COMPANY & N. G. PENTON, INC.

WALDEN NO. 7. DEEPENING

990' FNL, 330' FNL of Sec. 15-22S-37E
South Hare Field, Lea County, New Mexico

DRILLING TIME REPORT

<u>DEPTH</u> <u>BEGINNING</u>	<u>DEPTH</u> <u>ENDING</u>	<u>MINUTES</u>
7366	7367	12
7367	7368	15
7368	7369	26
7369	7370	17
7370	7371	21
7371	7372	17
7372	7373	19
7373	7374	19
7374	7375	35
7375	7376	27
7376	7377	20
7377	7378	17
7378	7379	25
7379	7380	30
7380	7381	35
7381	7382	25
7382	7383	55
7383	7384	40
7384	7385	35
7385	7386	45
7386	7387	40
7387	7388	40
7388	7389	45
7389	7390	60

DEL. 10-10-68 D. J. S. YAKUBO AND L. G. H.

WILLIAM J. WILSON

South Gate Field, Los Angeles County, California
3301, 3302, 3303, 3304, 3305, 3306, 3307, 3308, 3309, 3310, 3311, 3312, 3313, 3314, 3315, 3316, 3317, 3318, 3319, 3320, 3321, 3322, 3323, 3324, 3325, 3326, 3327, 3328, 3329, 3330, 3331, 3332, 3333, 3334, 3335, 3336, 3337, 3338, 3339, 3340, 3341, 3342, 3343, 3344, 3345, 3346, 3347, 3348, 3349, 3350, 3351, 3352, 3353, 3354, 3355, 3356, 3357, 3358, 3359, 3360, 3361, 3362, 3363, 3364, 3365, 3366, 3367, 3368, 3369, 3370, 3371, 3372, 3373, 3374, 3375, 3376, 3377, 3378, 3379, 3380, 3381, 3382, 3383, 3384, 3385, 3386, 3387, 3388, 3389, 3390, 3391, 3392, 3393, 3394, 3395, 3396, 3397, 3398, 3399, 3400, 3401, 3402, 3403, 3404, 3405, 3406, 3407, 3408, 3409, 3410, 3411, 3412, 3413, 3414, 3415, 3416, 3417, 3418, 3419, 3420, 3421, 3422, 3423, 3424, 3425, 3426, 3427, 3428, 3429, 3430, 3431, 3432, 3433, 3434, 3435, 3436, 3437, 3438, 3439, 3440, 3441, 3442, 3443, 3444, 3445, 3446, 3447, 3448, 3449, 3450, 3451, 3452, 3453, 3454, 3455, 3456, 3457, 3458, 3459, 3460, 3461, 3462, 3463, 3464, 3465, 3466, 3467, 3468, 3469, 3470, 3471, 3472, 3473, 3474, 3475, 3476, 3477, 3478, 3479, 3480, 3481, 3482, 3483, 3484, 3485, 3486, 3487, 3488, 3489, 3490, 3491, 3492, 3493, 3494, 3495, 3496, 3497, 3498, 3499, 3500, 3501, 3502, 3503, 3504, 3505, 3506, 3507, 3508, 3509, 3510, 3511, 3512, 3513, 3514, 3515, 3516, 3517, 3518, 3519, 3520, 3521, 3522, 3523, 3524, 3525, 3526, 3527, 3528, 3529, 3530, 3531, 3532, 3533, 3534, 3535, 3536, 3537, 3538, 3539, 3540, 3541, 3542, 3543, 3544, 3545, 3546, 3547, 3548, 3549, 3550, 3551, 3552, 3553, 3554, 3555, 3556, 3557, 3558, 3559, 3560, 3561, 3562, 3563, 3564, 3565, 3566, 3567, 3568, 3569, 3570, 3571, 3572, 3573, 3574, 3575, 3576, 3577, 3578, 3579, 3580, 3581, 3582, 3583, 3584, 3585, 3586, 3587, 3588, 3589, 3590, 3591, 3592, 3593, 3594, 3595, 3596, 3597, 3598, 3599, 3600, 3601, 3602, 3603, 3604, 3605, 3606, 3607, 3608, 3609, 3610, 3611, 3612, 3613, 3614, 3615, 3616, 3617, 3618, 3619, 3620, 3621, 3622, 3623, 3624, 3625, 3626, 3627, 3628, 3629, 3630, 3631, 3632, 3633, 3634, 3635, 3636, 3637, 3638, 3639, 3640, 3641, 3642, 3643, 3644, 3645, 3646, 3647, 3648, 3649, 3650, 3651, 3652, 3653, 3654, 3655, 3656, 3657, 3658, 3659, 3660, 3661, 3662, 3663, 3664, 3665, 3666, 3667, 3668, 3669, 3670, 3671, 3672, 3673, 3674, 3675, 3676, 3677, 3678, 3679, 3680, 3681, 3682, 3683, 3684, 3685, 3686, 3687, 3688, 3689, 3690, 3691, 3692, 3693, 3694, 3695, 3696, 3697, 3698, 3699, 3700, 3701, 3702, 3703, 3704, 3705, 3706, 3707, 3708, 3709, 3710, 3711, 3712, 3713, 3714, 3715, 3716, 3717, 3718, 3719, 3720, 3721, 3722, 3723, 3724, 3725, 3726, 3727, 3728, 3729, 3730, 3731, 3732, 3733, 3734, 3735, 3736, 3737, 3738, 3739, 3740, 3741, 3742, 3743, 3744, 3745, 3746, 3747, 3748, 3749, 3750, 3751, 3752, 3753, 3754, 3755, 3756, 3757, 3758, 3759, 3760, 3761, 3762, 3763, 3764, 3765, 3766, 3767, 3768, 3769, 3770, 3771, 3772, 3773, 3774, 3775, 3776, 3777, 3778, 3779, 3780, 3781, 3782, 3783, 3784, 3785, 3786, 3787, 3788, 3789, 3790, 3791, 3792, 3793, 3794, 3795, 3796, 3797, 3798, 3799, 3800, 3801, 3802, 3803, 3804, 3805, 3806, 3807, 3808, 3809, 3810, 3811, 3812, 3813, 3814, 3815, 3816, 3817, 3818, 3819, 3820, 3821, 3822, 3823, 3824, 3825, 3826, 3827, 3828, 3829, 3830, 3831, 3832, 3833, 3834, 3835, 3836, 3837, 3838, 3839, 3840, 3841, 3842, 3843, 3844, 3845, 3846, 3847, 3848, 3849, 3850, 3851, 3852, 3853, 3854, 3855, 3856, 3857, 3858, 3859, 3860, 3861, 3862, 3863, 3864, 3865, 3866, 3867, 3868, 3869, 3870, 3871, 3872, 3873, 3874, 3875, 3876, 3877, 3878, 3879, 3880, 3881, 3882, 3883, 3884, 3885, 3886, 3887, 3888, 3889, 3890, 3891, 3892, 3893, 3894, 3895, 3896, 3897, 3898, 3899, 3900, 3901, 3902, 3903, 3904, 3905, 3906, 3907, 3908, 3909, 3910, 3911, 3912, 3913, 3914, 3915, 3916, 3917, 3918, 3919, 3920, 3921, 3922, 3923, 3924, 3925, 3926, 3927, 3928, 3929, 3930, 3931, 3932, 3933, 3934, 3935, 3936, 3937, 3938, 3939, 3940, 3941, 3942, 3943, 3944, 3945, 3946, 3947, 3948, 3949, 3950, 3951, 3952, 3953, 3954, 3955, 3956, 3957, 3958, 3959, 3960, 3961, 3962, 3963, 3964, 3965, 3966, 3967, 3968, 3969, 3970, 3971, 3972, 3973, 3974, 3975, 3976, 3977, 3978, 3979, 3980, 398

100-443883-150

<u>DATE</u>	<u>TIME</u>	<u>LOCATION</u>
11	10:00	10:00
12	10:00	10:00
13	10:00	10:00
14	10:00	10:00
15	10:00	10:00
16	10:00	10:00
17	10:00	10:00
18	10:00	10:00
19	10:00	10:00
20	10:00	10:00
21	10:00	10:00
22	10:00	10:00
23	10:00	10:00
24	10:00	10:00
25	10:00	10:00
26	10:00	10:00
27	10:00	10:00
28	10:00	10:00
29	10:00	10:00
30	10:00	10:00
31	10:00	10:00
32	10:00	10:00
33	10:00	10:00
34	10:00	10:00
35	10:00	10:00
36	10:00	10:00
37	10:00	10:00
38	10:00	10:00
39	10:00	10:00
40	10:00	10:00
41	10:00	10:00
42	10:00	10:00
43	10:00	10:00
44	10:00	10:00
45	10:00	10:00
46	10:00	10:00
47	10:00	10:00
48	10:00	10:00
49	10:00	10:00
50	10:00	10:00
51	10:00	10:00
52	10:00	10:00
53	10:00	10:00
54	10:00	10:00
55	10:00	10:00
56	10:00	10:00
57	10:00	10:00
58	10:00	10:00
59	10:00	10:00
60	10:00	10:00
61	10:00	10:00
62	10:00	10:00
63	10:00	10:00
64	10:00	10:00
65	10:00	10:00
66	10:00	10:00
67	10:00	10:00
68	10:00	10:00
69	10:00	10:00
70	10:00	10:00
71	10:00	10:00
72	10:00	10:00
73	10:00	10:00
74	10:00	10:00
75	10:00	10:00
76	10:00	10:00
77	10:00	10:00
78	10:00	10:00
79	10:00	10:00
80	10:00	10:00
81	10:00	10:00
82	10:00	10:00
83	10:00	10:00
84	10:00	10:00
85	10:00	10:00
86	10:00	10:00
87	10:00	10:00
88	10:00	10:00
89	10:00	10:00
90	10:00	10:00
91	10:00	10:00
92	10:00	10:00
93	10:00	10:00
94	10:00	10:00
95	10:00	10:00
96	10:00	10:00
97	10:00	10:00
98	10:00	10:00
99	10:00	10:00
100	10:00	10:00

ROMAN OIL COMPANY & N. G. FENNELL, INC.

WELL NO. 7, DEEPENING

990' PHL, 390' PHL of Sec. 15-22S-37E
South Hare Field, Lea County, New Mexico

DRILLING TIME REPORT

<u>DEPTH</u> <u>BEGINNING</u>	<u>DEPTH</u> <u>ENDING</u>	<u>MINUTES</u>
7366	7367	12
7367	7368	15
7368	7369	26
7369	7370	17
7370	7371	21
7371	7372	17
7372	7373	19
7373	7374	19
7374	7375	35
7375	7376	27
7376	7377	20
7377	7378	17
7378	7379	25
7379	7380	30
7380	7381	35
7381	7382	25
7382	7383	55
7383	7384	40
7384	7385	35
7385	7386	45
7386	7387	40
7387	7388	40
7388	7389	45
7389	7390	60

WIDT AND ASSOCIATES
NOA 5-1640
BIRMINGHAM

CONFIDENTIAL - SECURITY INFORMATION

SECRET

THIS DOCUMENT CONTAINS INFORMATION OF A CONFIDENTIAL NATURE
AND IS NOT TO BE RELEASED TO THE PUBLIC

CONFIDENTIAL - SECURITY INFORMATION

<u>REFERENCE</u>	<u>DATE</u>	<u>DESCRIPTION</u>
15	1967	1967
16	1967	1967
17	1967	1967
18	1967	1967
19	1967	1967
20	1967	1967
21	1967	1967
22	1967	1967
23	1967	1967
24	1967	1967
25	1967	1967
26	1967	1967
27	1967	1967
28	1967	1967
29	1967	1967
30	1967	1967
31	1967	1967
32	1967	1967
33	1967	1967
34	1967	1967
35	1967	1967
36	1967	1967
37	1967	1967
38	1967	1967
39	1967	1967
40	1967	1967
41	1967	1967
42	1967	1967
43	1967	1967
44	1967	1967
45	1967	1967
46	1967	1967
47	1967	1967
48	1967	1967
49	1967	1967
50	1967	1967

MIDLAND OFFICE
NOV 2 - 1949

RECEIVED