



00215331

RESERVOIR INTERPRETATION  
ORIENTATION, MORPHOLOGY, QUALITY  
CLASTICS - CARBONATES  
ENVIRONMENTS OF DEPOSITION

**RESERVOIRS****INC.**

MAR 23 1984

COLO. OIL &amp; GAS CONS. COMM.

1827 GRANT STREET

DENVER, COLORADO 80203

(303) 830-1986

February 24, 1984

Mr. Jim Lawler  
Sundance Oil Company  
1675 Larimer Street  
Denver, CO 80202

Re: RMD637/DRC006 - Reservoirs, Inc. Report, Sundance Oil Company Olson  
#1-6 Well

Dear Mr. Lawler:

Enclosed please find data generated by our core facility in Denver, Colorado. These data include porosity by Boyle's Law, permeability to air, oil and water saturations, and gamma log.

These analyses were performed on a foot-by-foot basis covering the interval 6353.0-6381.8 feet. Also included is a brief lithologic description for each sample point.

We are pleased to be of service to you, and look forward to the opportunity to provide other reports on future wells. If you have any questions concerning these data, please call us.

Sincerely,

Garry Collins  
Senior Technician  
RESERVOIRS, INC.

GC/lw

encl



# RESERVOIRS

## INC.

### Laboratory Services

2369 S. Trenton Way, Suite "H"  
Denver, CO 80231  
303/695-0667 303/630-1986

Company: Sundance Oil Co.

Location: SE SE Sec. 8 T 72 N R 1

Well: Olsen #1-6

Date: February 21, 1984

Field: \_\_\_\_\_

Elevation: \_\_\_\_\_

County: Weld

Interval: 6363 to 6381.0

State: Colorado

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Gamma Log  
(Increasing)  
→

Depth

Porosity %

Total Water Saturation - x

100 80 60 40 20 0

Oil Saturation - e

0 0 20 40 60 80 100

Permeability  
(millidarcys)

10 1.0 .1

30

20

10

10

1.0

.1

6363

6381

70

80



RESERVOIRS, INC.

Company Sundance Oil CompanyDate 2/18/84 File No. DRC006/RMD637

LABORATORY SERVICES

Well Olson #1-6

Field \_\_\_\_\_

CORE ANALYSIS DATA

Location SE SE Sec. 6, T.7N., R.58W.County Weld State Colorado

Sample	Sample Depth	Porosity (%)	Water Sat. (%)	Oil Sat. (%)	Perm. (md)	Grain Density (gm/cc)	Description
1	6353-54	8.1	49.7	1.1	0.09	2.66	Sandstone, clear, white, light to dark gray, very fine- to fine-grained, occasionally medium-grained, subrounded to angular, well sorted, well consolidated, clayey.
2	6354-55	7.7	71.7	3.0	0.68	2.68	Sandstone, clear, white, light to dark gray, very fine- to fine-grained, subrounded to angular, well sorted, moderately consolidated, shale laminations throughout.
3	6355-56	8.3	42.3	18.8	0.08	2.65	Sandstone, clear, white, light to medium gray, very fine- to fine-grained, subrounded to angular, moderately sorted, well consolidated, clayey, slightly dolomitic.
4	6356-57	6.7	40.1	17.0	0.06	2.64	Sandstone, clear, white, light to medium gray, very fine- to fine-grained, subrounded to angular, moderately sorted, well consolidated, clayey, slightly dolomitic.
5	6357-58	5.7	31.7	2.2	0.27	2.63	Sandstone, clear, white, light to medium gray, very fine- to fine-grained, subrounded to angular, moderately sorted, well consolidated, clayey, slightly dolomitic.
6	6358-59	6.5	58.2	1.6	0.16	2.66	Sandstone, clear, white, light to medium gray, very fine- to fine-grained, subrounded to angular, moderately sorted, well consolidated, clayey, slightly dolomitic.
7	6359-60	6.4	26.6	15.8	0.62	2.63	Sandstone, clear, white, light to medium gray, very fine- to fine-grained, subangular to subrounded, well sorted, well consolidated, clayey, slightly dolomitic.
8	6360-61	1.3	42.8	1.1	0.07	2.64	Sandstone, clear, white, light to medium gray, very fine- to fine-grained, subangular to subrounded, well sorted, well consolidated, clayey, slightly dolomitic.
9	6361-62	2.1	36.5	0.61	0.04	2.64	Sandstone, clear, white, light to medium gray, very fine- to fine-grained, subangular to subrounded, well sorted, well consolidated, clayey, slightly dolomitic.
10	6362-63	3.3	56.3	0.80	----	2.66	Siltstone, white, medium to dark gray, firm, very clayey. (fractured)



RESERVOIRS, INC.

Company Sundance Oil CompanyDate 2/18/84File No. DRC006/RMD637

LABORATORY SERVICES

Well Olson #1-6

Field \_\_\_\_\_

CORE ANALYSIS DATA

Location SE SE Sec. 6, T.7N., R.58W.County WeldState Colorado

Sample	Sample Depth	Porosity (%)	Water Sat. (%)	Oil Sat. (%)	Perm. (md)	Grain Density (gm/cc)	Description
11	6363-64	2.1	55.9	3.3	0.04	2.66	Sandstone, cream, light to medium gray, very fine- to fine-grained, subangular to subrounded, well sorted, well consolidated, very clayey, very silty, slightly dolomitic.
12	6364-65	3.5	8.4	7.9	0.03	2.65	Sandstone, cream, light to medium gray, very fine- to medium-grained, subangular to subrounded, moderately sorted, well consolidated, very clayey, slightly dolomitic, shale laminations throughout.
13	6365-66	0.9	56.8	0	0.03	2.65	Sandstone, cream, light to medium gray, very fine- to medium-grained, subangular to subrounded, moderately sorted, well consolidated, very clayey, slightly dolomitic, shale laminations throughout.
14	6366-67	6.3	74.4	0	0.19	2.65	Sandstone, cream, light to medium gray, very fine- to medium-grained, subangular to subrounded, moderately sorted, well consolidated, very clayey, slightly dolomitic, shale laminations throughout.
15	6367-68	8.2	69.6	0	0.04	2.67	Sandstone, cream, light to medium gray, very fine- to medium-grained, subangular to subrounded, moderately sorted, well consolidated, very clayey, slightly dolomitic, shale laminations throughout.
16	6368-69	8.0	70.3	0	0.65	2.67	Sandstone, cream, light to medium gray, very fine- to medium-grained, subangular to subrounded, moderately sorted, well consolidated, very clayey, slightly dolomitic, shale laminations throughout.
17	6369-70	5.3	69.2	0	0.03	2.66	Sandstone, cream, light to medium gray, very fine- to medium-grained, subangular to subrounded, moderately sorted, well consolidated, very clayey, slightly dolomitic, shale laminations throughout.
18	6370-71	5.0	52.0	0	0.10	2.66	Sandstone, cream, light to medium gray, very fine- to medium-grained, subangular to subrounded, moderately sorted, well consolidated, very clayey, slightly dolomitic, shale laminations throughout.