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

RESERVOIRS

INC.

MAR 23 1984

COLO. OIL & 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/law

encl

RESERVOIRS

INC.

Laboratory Services

2389 S. Trenton Way, Suite "H"
Denver, CO 80231
303/695-0887 303/630-1888

Company: Sundance Oil Co.

Location: SE SE Sec. 6 T 73 N R 1

Well: Olsen #1-6

Date: February 21, 1984

Field: _____

Elevation: _____

County: Weld

Interval: 9353 to 9381.8

State: Colorado

Page: 1 of 1 Page

Gamma Log
(Increasing)

Depth

Porosity %

Total Water Saturation - x

100 80 60 40 20 0

Oil Saturation - o

0 0 20 40 60 80 100

Permeability
(millidarcys)

10 1.0 .1

30

20

10

0 0

20

40

60

80

100

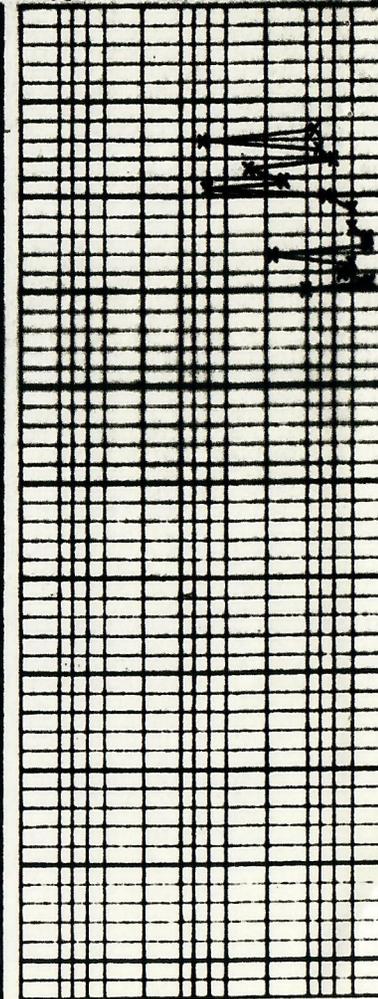
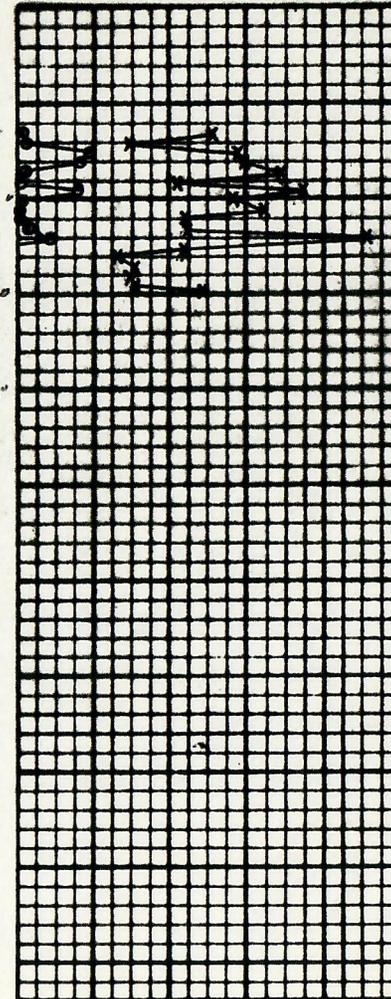
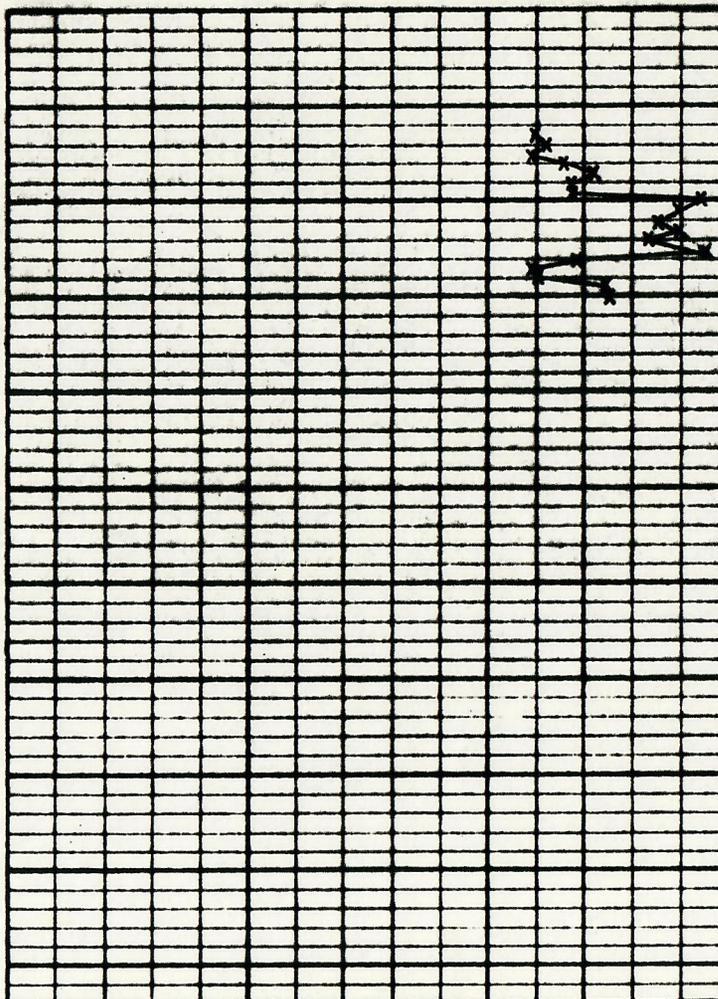
10

1.0

.1

9353

9381.8



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.