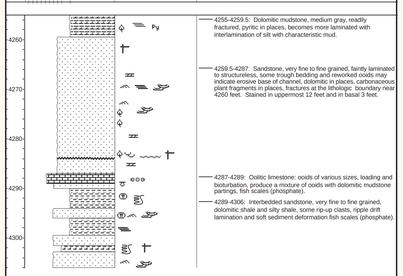
Federal 15-17
SWSE Sec 17, T9S, R19E.

Pariette Bench Field
API: 43-047-31833
Depth: 4,260 - 4,306 feet
Interval: MGR 6 (Douglas Creek C)
Logged by: S. Robert Bereskin



LEGEND

LITHOLOGY

Sandstone · Dolomitic Mudstone · Dolomitic Shale · Limestone · Silty Shale

CONTACTS

Erosional

PHYSICAL STRUCTURES

Trough Cross-strat. · Ripple Drift Lamination/ Climbing Ripples · Scour · Planar Lamination · Loading · Cross-Bedding · Fractures

LITHOLOGIC ACCESSORIES

Ph Phosphate · Dolomitic · Oolitic · Py Pyrite

ICHNOFOSSILS

Bioturbation

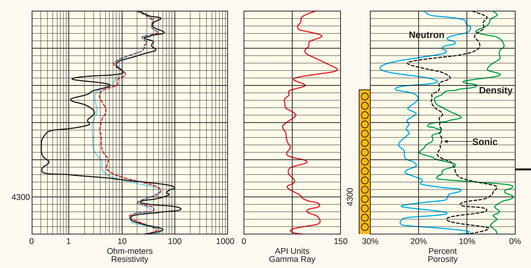
FOSSILS

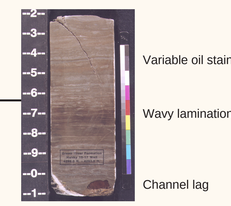
Carbonaceous Plant Remains · Fish Scales (phosphate)

Well number	Depth Interval	Core Depth	Log Depth	Core porosity	Horz perm	Vert perm	Core So	Core Sw	Grain density
15-17	4260-61	4260.5	4269	13.3	23	18	24.4	35.6	2.66
15-17	4261-62	4261.5	4270	10.4	1.12	0.75	29.8	29.1	2.66
15-17	4262-63	4262.5	4271	12.1	5.56	1.42	27.4	31.4	2.66
15-17	4263-64	4263.5	4272	17.1	30	20	24.4	40.2	2.65
15-17	4264-65	4264.5	4273	15.7	16	9.25	23.4	41.4	2.65
15-17	4265-66	4265.5	4274	16.2	17	12	23.7	39.4	2.64
15-17	4266-67	4266.5	4275	14.7	4.8	1.49	22.4	45.6	2.65
15-17	4267-68	4267.5	4276	15.7	11	8.52	26.2	42.7	2.65
15-17	4268-69	4268.5	4277	14.3	4.98	1.58	26.2	39	2.66
15-17	4269-70	4269.5	4278	14.7	7.87	2.41	22.8	40.2	2.66
15-17	4270-71	4270.5	4279	13.6	2.57	0.84	23.6	40.4	2.67
15-17	4271-72	4271.5	4280	14.6	5.4	3.7	20.6	47.7	2.65
15-17	4272-73	4272.5	4281	14.6	8.21	4.78	26.6	38.1	2.66
15-17	4273-74	4273.5	4282	15.5	8.51	6.34	23.6	38.6	2.66
15-17	4274-75	4274.5	4283	15.4	8.7	9.02	19.5	46.7	2.66
15-17	4275-76	4275.5	4284	16.1	17	15	28.3	34.3	2.66
15-17	4276-77	4276.5	4285	13.5	8.4	1.42	28.4	45.2	2.65
15-17	4277-78	4277.5	4286	15.6	28	21	26.8	40.7	2.65
15-17	4278-79	4278.5	4287	16.7	42	49	28.8	36.3	2.65
15-17	4279-80	4279.5	4288	15.8	49	44	29	30.3	2.65
15-17	4280-81	4280.5	4289	15.8	42	28	29.5	29.5	2.65
15-17	4281-82	4281.5	4290	14.4	27	22	29.1	31.8	2.66
15-17	4282-83	4282.5	4291	5.5	0.03	0.04	12.7	77.1	2.71
15-17	4283-84	4283.5	4292	11.7	1.66	0.45	7.6	69.1	2.67
15-17	4284-85	4284.5	4293	12.5	4.11	1.65	29.4	35.3	2.68
15-17	4285-86	4285.5	4294	12.8	21	31	29.2	29.3	2.67
15-17	4286-87	4286.5	4295	12.6	29	11	23.2	42.7	2.68
15-17	4287-88	4287.5	4296	13	40	17	29.1	37.8	2.68
15-17	4300-1	4300.5	4309	3.6	0.01	3.6	0	61.1	2.67
15-17	4302-3	4302.5	4311	10.5	0.22	10.5	0	71.6	2.67
15-17	4304-5	4304.5	4313	5.1	0.01	5.1	0	85.6	2.69

Federal 15-17
T. 9 S., R. 19 E., section 17
Map mumber 15

Completed: 1981
Perforated Interval: 4,271-4,769 ft
Initial Potential: 40 BOPD
Cumulative Production (Dec. 1989 [PA]):
6,207 BO; 350 MCFG; 43,704 BW

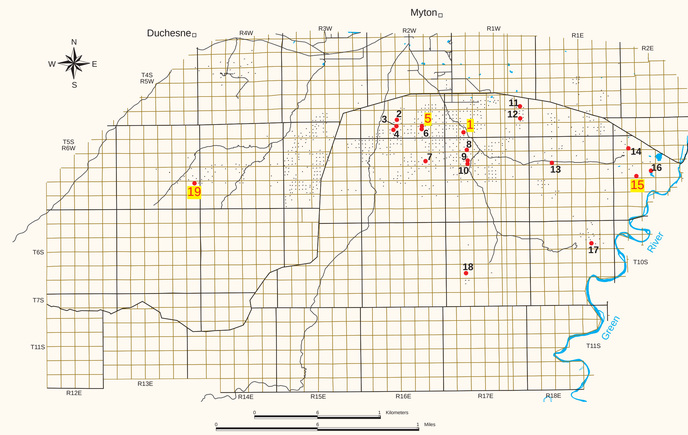




Variable oil stain

Wavy lamination

Channel lag

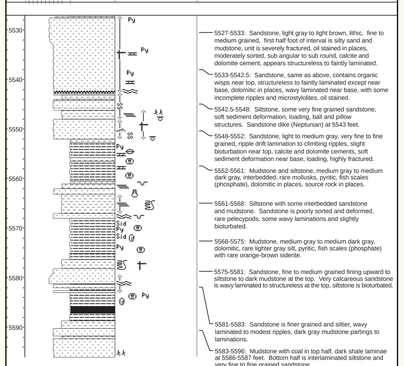


CORES STUDIED
Cores on display shown in red italics

1 State 6-32 UDC
2 West Monument 10-28 LDC
3 Federal 2-23 LDC
4 Federal 6-33 UDC
5 Monument Butte 3A-35 UDC
6 Federal 6-35 UDC
7 Federal 33-115 UDC, LDC
8 Allen 34-5 LDC
9 Federal 33-8 UDC, CMU
10 Paiute 34-8 GG
11 Pariette 23-24 UDC
12 Federal 23-25 UDC
13 Pariette 5 CMU
14 Pariette 6 GG,LDC
15 Federal 15-17 UDC
16 State 13-16S UDC,LGR
17 Island 16 LGR
18 West Desert Springs 11-20-10-17 LGR
19 Ute Tribal 2-25 CMU

Ute Tribal 2-25
NWNE Sec 25, T5S, R5W.

Brundage Canyon Field
API: 43-013-31833
Depth: 5,527 - 5,596 feet
Interval: Carbonate Marker Unit (Castle Peak)
Logged by: S. Robert Bereskin



LEGEND

LITHOLOGY

Sandstone · Siltstone · Coal · Dolomitic Mudstone · Silty Sand · Mudstone

CONTACTS

Erosional

PHYSICAL STRUCTURES

Ripple Drift Lamination/ Climbing Ripples · Planar Lamination · Wavy Laminations · Fractures · Soft Sediment Deformation · Loading

LITHOLOGIC ACCESSORIES

Dolomitic · Siderite · Pyrite

ICHNOFOSSILS

Rootlets · Vertical Burrows · Bioturbation

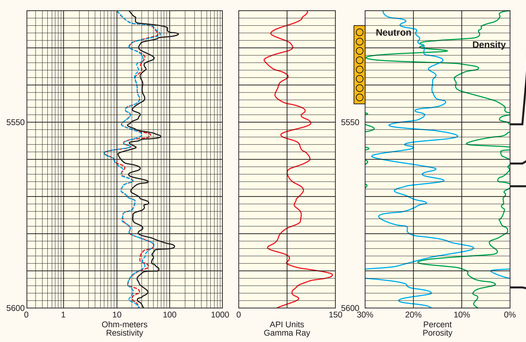
FOSSILS

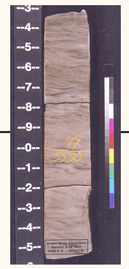
Molluscs · Pelecypods · Ostracods · Fish Scales (phosphate)

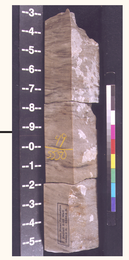
Well number	Core Depth	Log Depth	Core porosity	Horz perm	Core So	Core Sw	Grain density
2-25	5528.1	5532	9	0.315	13.5	44.3	2.66
2-25	5529.1	5533	6.8	0.027	15.3	38.3	2.66
2-25	5530.2	5534	7.8	0.042	11.2	51.4	2.66
2-25	5531.5	5535	6	0.004	10.4	52.2	2.67
2-25	5532.7	5537	10.3	0.335	8.9	28.8	2.66
2-25	5533.9	5538	6.3	0.022	10.4	46.6	2.67
2-25	5535.4	5540	7.7	0.061	9.2	41.6	2.67
2-25	5536.7	5541	9.7	0.06	8.4	45.9	2.66
2-25	5538.4	5542	7	0.039	11.6	36.4	2.64
2-25	5539.8	5544	8.8	0.053	7.8	31	2.65
2-25	5540.7	5545	4.8	0.014	12.5	40.6	2.66

Ute Tribal 2-25
T. 5 S., R. 5 W., section 25
Map mumber 19

Completed: 1997
Perforated Interval: 5,524-5,545 ft
Initial Potential: 37 BOPD, 9 MCFGPD
Cumulative Production (Nov. 2000):
17,115 BO; 12,793 MCFG; 7,098 BW







Low porosity/permeability
Ripple-drift lamination
Calcite-lined fracture

Upward increase in sand content from channel lobe

Transitional from dolomitic mudstone to upward-increasing sandstone content; some soft sediment deformation within wavy lamination

Root casted sheet sandstone to siltstone, associated with overlying coal