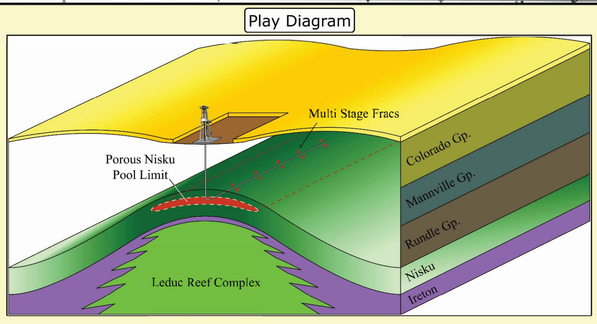
Nisku Formation Light Oil Play
Central Alberta

R2 R1W5 R28 R27 R26 R25 R24 R23W4

T52 T51 T50 T49 T48 T47 T46

Play Diagram



Geology in Brief

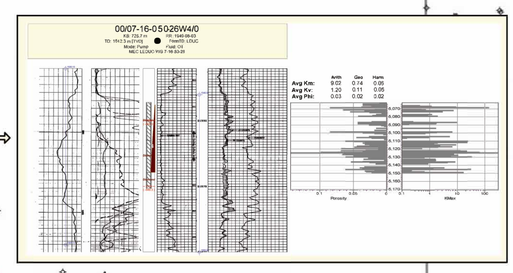
The Nisku Fm. in the Bonnie Glen, Wizard Lake and Leduc-Woodbend area was deposited as a wide spread reef deposit enhanced by the underlying Leduc Reef. This gave the Nisku Fm. an arch shape that was able to trap hydrocarbons.

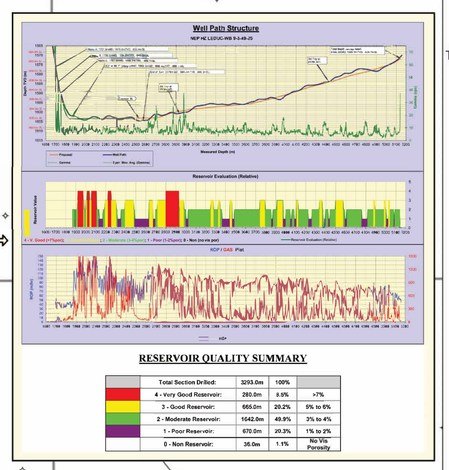
The total Nisku Fm. thickness is approximately 55m. The majority of the porosity occurs in the middle and upper zone and is in the form of vugs and molds. Loosely defined as a bioturbated wackestone, the Nisku is punctuated by stress fracturing assisting in the movement of hydrocarbons within the formation. Dolomitization of the Nisku limestone occurred after deposition.

Core analysis has shown observed average porosities from 3.4% to 4.9% and 4.4 mD to 517mD of permeability in the two cored wells. Visual observation of the cores has seen porosities spike from 8% to 12% underlying the importance of using horizontal drilling and completion techniques to maximize recoveries as Aspenleaf has done with great success in Leduc-Woodbend.
Initial production potential of 600 barrels oil (38° API) and 600 mcf gas per well or 700 Boe/d, - net 175 Boe/d to the Company
6-month production average of 500 barrels oil and 600 mcf gas per well or 600 Boe/d, - net 150 Boe/d to the Company based on average results from Leduc-Woodbend pool

Leduc-Woodbend
Light oil Nisku Project

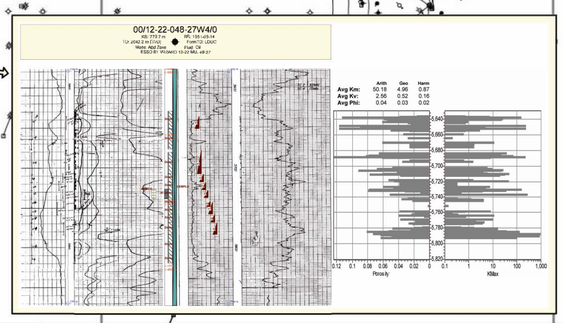
- Aspenleaf Energy is current operator
- 217 wells drilled or licensed since approx. 2010
- ~8200 Bopd, 24Mmcf/d, 26MM BO Cumm, 63 Bcf
- Advancing completion and drilling techniques have increased initial production significantly
- Aspenleaf has proven to be an excellent and skilled operator in the Nisku





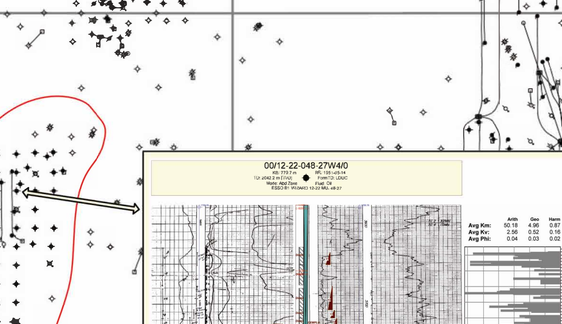
Wizard Lake
Light oil Nisku Prospect

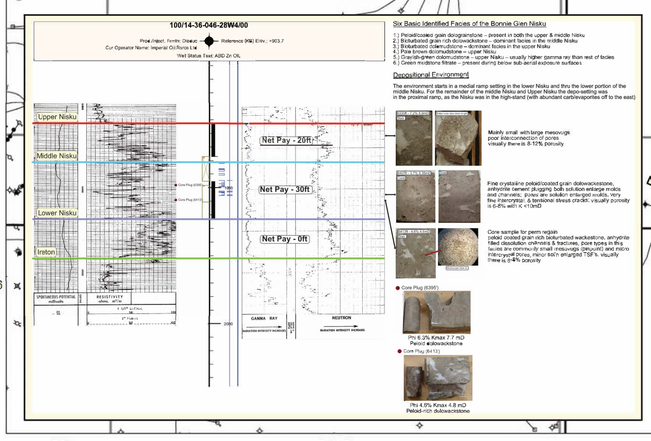
- 25% working interest in 1.75 sections (112 ha net).
- 2 initial wells originally drilled in 2013 & 2014 were prior to current optimized completion methods and laterally short in comparison
- Potential for four initial follow up locations using advanced completion methods and much longer lateral sections
- Cost of $3.8MM/well - $0.95MM net to the Company



Bonnie Glen
Light oil Nisku Prospect

- 50% working interest on 5.2 sections (665 ha net). The remaining 50% held by our operating partner Aspenleaf Energy Ltd. 3.5 sections (896 ha) of land available from PrairieSky Royalty held
- Looking to farm out 20-25% and retain 25-30%
- Aspenleaf Energy is a proven industry leader in Nisku development and production, with an extensive track record of success in engineering, development, and operational excellence
- Potential for 12 to 14 locations
- Drilling is scheduled to commence in late fourth quarter of 2025 to the first quarter of 2026 with the initial well paralleling past 4 vertical producing Nisku wells





Persistence Energy Ltd.

R27 R26 R25W4

T51 T51

Aspenleaf Energy

Current Production to April 2025

8,519 Bopd, 24,931 Mbbl
21,523 Mmcf/d, 57,284 MMcf
81.7% Wtr Cut Avg.

1,425 Bopd, 1.7Mmcf, 39 Mo, 660K Bo

1,169 Bopd, 1.8Mmcf, 69 Mo, 559K Bo

1,024 Bopd, 0.9Mmcf, 26 Mo, 363K Bo

1,495 Bopd, 1.4Mmcf, 38 Mo, 459K Bo

766 Bopd, 0.9Mmcf, 26 Mo, 260K Bo

T50 T50

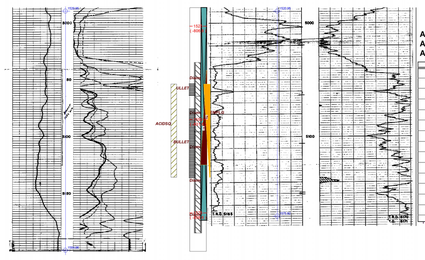
T49 Data: April 2025 T49

Persistence Energy Ltd.

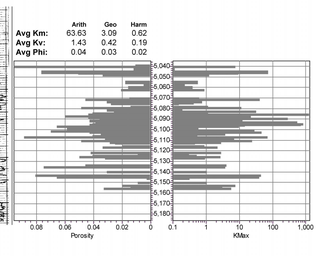
R27 R26 R25W4

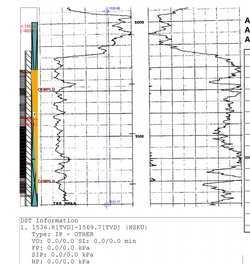
00/10-15-050-26W4/0

KB: 718.4 m — RR: 1952-01-13
TD: 1581.9 m [TVD] — FormTD: IRTN
Mode: Abnd — Fluid: Oil
SELBURN JET DEVON-LEDUC NO. 2



	Arith	Geo	Harm
Avg Km:	63.63	3.09	0.62
Avg Kv:	1.43	0.42	0.19
Avg Phi:	0.04	0.03	0.02





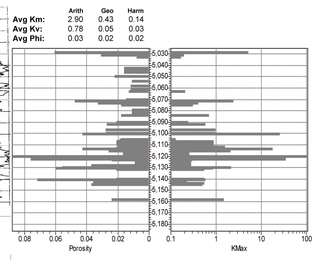
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DST Information
1. 1536.8[TVD]-1562.1[TVD] (NSKU)
   Type: STRADDLE
   VO: 47.0/47.0 SI: 0.0/0.0 min
   FP: 0.0/0.0 kPa
   SIP: 0.0/0.0 kPa
   HP: 0.0/0.0 kPa
   "RECS: 332.84M (1092FT) OIL MAX GAS TO SURFACE: 8452.2M3/D (.298MMCF/D) OIL: API: 32.2,SULPHER: .58%"
2. 1540.5[TVD]-1565.5[TVD] (NSKU)
   Type: IP - OTHER
   VO: 0.0/0.0 SI: 0.0/0.0 min
   FP: 0.0/0.0 kPa
   SIP: 0.0/0.0 kPa
   HP: 0.0/0.0 kPa
   "MAX OIL TO SURFACE: 39.1M3/D (1380.796CF/D)"

Prod   Oil ( m3 )  Gas ( E3m3 )  Water ( m3 )
-----  ----------  -----------  ----------
Cum       26908.7       4185.0        2801.7
Daily       328.2         51.0          34.2
```

02/16-15-050-26W4/0

KB: 719.6 m — RR: 1952-02-25
TD: 1580.4 m [TVD] — FormTD: IRTN
Mode: Abnd — Fluid: Oil
SELBURN JET DEVON LEDUC NO. 3

	Arith	Geo	Harm
Avg Km:	2.90	0.43	0.14
Avg Kv:	0.78	0.05	0.03
Avg Phi:	0.03	0.02	0.02

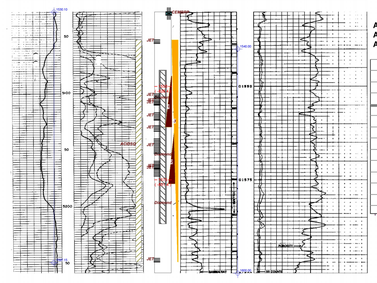


```
DST Information
1. 1536.8[TVD]-1569.7[TVD] (NSKU)
   Type: IP - OTHER
   VO: 0.0/0.0 SI: 0.0/0.0 min
   FP: 0.0/0.0 kPa
   SIP: 0.0/0.0 kPa
   HP: 0.0/0.0 kPa
   "MAX OIL TO SURFACE: 4.5M3/D (158.915CF/D)"

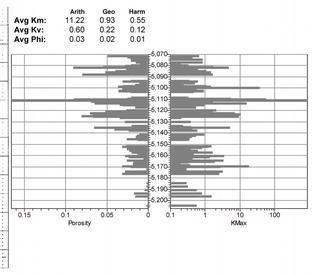
Prod   Oil ( m3 )  Gas ( E3m3 )  Water ( m3 )
-----  ----------  -----------  ----------
Cum         415.9          11.0          32.3
Daily         0.0           0.0           0.0
```

00/05-16-050-26W4/0

KB: 723.6 m — RR: 1950-02-08
TD: 1640.4 m [TVD] — FormTD: LDUC
Mode: Abd Zone — Fluid: Oil
IMPERIAL LEDUC NO. 2 45 WELL



	Arith	Geo	Harm
Avg Km:	11.22	0.93	0.55
Avg Kv:	0.60	0.22	0.12
Avg Phi:	0.03	0.02	0.01

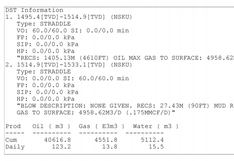


```
DST Information
1. 1547.2[TVD]-1560.9[TVD] (NSKU)
   Type: STRADDLE
   VO: 60.0/60.0 SI: 0.0/0.0 min
   FP: 0.0/0.0 kPa
   SIP: 0.0/0.0 kPa
   HP: 0.0/0.0 kPa
   "RECS: 1161.29M (3810FT) OIL RECS: 18.29M (60FT) MUD MAX GAS TO SURFACE: 10001.77M3/D
   (.353MMCF/D)"
2. 1561.2[TVD]-1576.1[TVD] (NSKU)
   Type: STRADDLE
   VO: 60.0/60.0 SI: 0.0/0.0 min
   FP: 0.0/0.0 kPa
   SIP: 0.0/0.0 kPa
   HP: 0.0/0.0 kPa
   "RECS: 21.34M (70FT) OIL CUT MUD"
3. 1537.5[TVD]-1597.0[TVD] (CLMR)
   Type: IP - SWAB
   VO: 0.0/0.0 SI: 0.0/0.0 min
   FP: 0.0/0.0 kPa
   SIP: 0.0/0.0 kPa
   HP: 0.0/0.0 kPa
   "RECS: 13.0M3 (480CF) OIL CUT WATER"

Prod   Oil ( m3 )  Gas ( E3m3 )  Water ( m3 )
-----  ----------  -----------  ----------
Cum       36195.2       7040.8         111.3
Daily       147.3         28.6           0.5
```

02/06-16-050-26W4/0

KB: 724.5 m — RR: 1952-03-22
TD: 1556.3 m [TVD] — FormTD: NSKU
Mode: Abnd — Fluid: Oil
MODEL- LEDUC NO. 3



	Arith	Geo	Harm
Avg Km:	62.09	6.10	1.49
Avg Kv:	9.93	0.52	0.05
Avg Phi:	0.06	0.05	0.04

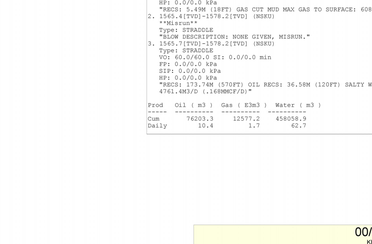


```
DST Information
1. 1541.1[TVD]-1556.3[TVD] (NSKU)
   Type: CONVENTIONAL
   VO: 73.0/73.0 SI: 0.0/0.0 min
   FP: 0.0/0.0 kPa
   SIP: 0.0/0.0 kPa
   HP: 0.0/0.0 kPa
   "RECS: 137.16M (450FT) OIL MAX GAS TO SURFACE:
   10677.94M3/D (.377MMCF/D)"
2. 1542.0[TVD]-1556.3[TVD] (NSKU)
   Type: IP - OTHER
   VO: 0.0/0.0 SI: 0.0/0.0 min
   FP: 0.0/0.0 kPa
   SIP: 0.0/0.0 kPa
   HP: 0.0/0.0 kPa
   "MAX OIL TO SURFACE: 143.1M3/D (5053.501CF/D)"

Prod   Oil ( m3 )  Gas ( E3m3 )  Water ( m3 )
-----  ----------  -----------  ----------
Cum       10218.7        2750.8          93.3
Daily        13.9           3.7           0.1
```

00/07-16-050-26W4/0

KB: 725.7 m — RR: 1949-08-03
TD: 1642.3 m [TVD] — FormTD: LDUC
Mode: Pump — Fluid: Oil
MEC LEDUC-WB 7-16-50-26



	Arith	Geo	Harm
Avg Km:	9.02	0.74	0.06
Avg Kv:	1.20	0.11	0.06
Avg Phi:	0.03	0.02	0.02

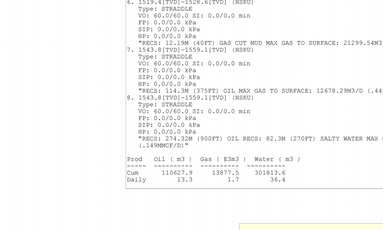


```
DST Information
1. 1543.8[TVD]-1569.7[TVD] (NSKU)
   Type: STRADDLE
   VO: 60.0/60.0 SI: 0.0/0.0 min
   FP: 0.0/0.0 kPa
   SIP: 0.0/0.0 kPa
   "RECS: 137.16M (450FT) OIL RECS: 27.43M (90FT) MUD MAX GAS TO SURFACE: 8762.11M3/D
   (.309MMCF/D)"

Prod   Oil ( m3 )  Gas ( E3m3 )  Water ( m3 )
-----  ----------  -----------  ----------
Cum       61791.1       8474.5        222055.8
Daily        10.0           1.4           35.9
```

00/07-22-050-26W4/0

KB: 718.4 m — RR: 1949-05-09
TD: 1634.9 m [TVD] — FormTD: LDUC
Mode: Abd Zone — Fluid: Oil
MEC LEDUC-WB 7-22-50-26



	Arith	Geo	Harm
Avg Km:	29.44	1.94	0.21
Avg Kv:	0.83	0.26	0.08
Avg Phi:	0.03	0.03	0.02

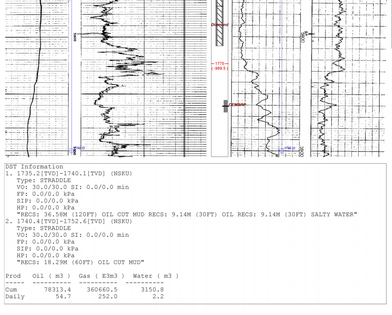


```
DST Information
1. 1522.5[TVD]-1548.4[TVD] (NSKU)
   Type: STRADDLE
   VO: 60.0/60.0 SI: 0.0/0.0 min
   FP: 0.0/0.0 kPa
   SIP: 0.0/0.0 kPa
   "RECS: 109.73M (360FT) OIL MAX GAS TO SURFACE: 7606.98M3/D (.269MMCF/D)"

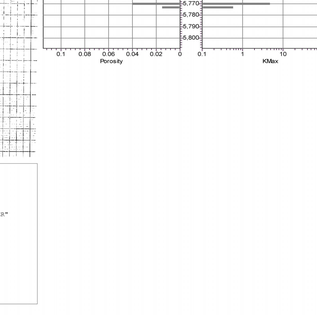
Prod   Oil ( m3 )  Gas ( E3m3 )  Water ( m3 )
-----  ----------  -----------  ----------
Cum       61699.3       23481.9        71385.1
Daily        11.6           4.4           13.4
```

00/15-22-050-26W4/0

KB: 707.3 m — RR: 1950-02-08
TD: 1624.0 m [TVD] — FormTD: LDUC
Mode: Abd Whip — Fluid: Oil
MEC HZ LEDUC-WB 10-22-50-26



	Arith	Geo	Harm
Avg Km:	15.59	0.35	0.04
Avg Kv:	1.30	0.06	0.02
Avg Phi:	0.02	0.01	0.00

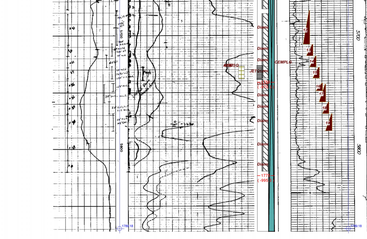


```
DST Information
1. 1490.4[TVD]-1514.9[TVD] (NSKU)
   Type: STRADDLE
   VO: 60.0/60.0 SI: 0.0/0.0 min
   FP: 0.0/0.0 kPa
   SIP: 0.0/0.0 kPa
   HP: 0.0/0.0 kPa
   "RECS: 1405.15M (4610FT) OIL MAX GAS TO SURFACE: 4958.62M3/D (.175MMCF/D)"
2. 1514.9[TVD]-1533.1[TVD] (NSKU)
   Type: STRADDLE
   VO: 0.0/0.0 SI: 60.0/60.0 min
   FP: 0.0/0.0 kPa
   SIP: 0.0/0.0 kPa
   HP: 0.0/0.0 kPa
   "SLOW DESCRIPTION: NONE GIVEN. RECS: 27.43M (90FT) MUD RECS: 658.37M (2160FT) OIL MAX
   GAS TO SURFACE: 4958.62M3/D (.175MMCF/D)"

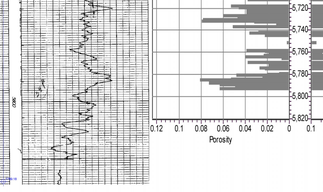
Prod   Oil ( m3 )  Gas ( E3m3 )  Water ( m3 )
-----  ----------  -----------  ----------
Cum       40616.8       4551.8        5112.4
Daily       123.2          13.8          15.5
```

00/09-34-049-26W4/0

KB: 731.8 m — RR: 1950-04-29
TD: 1647.1 m [TVD] — FormTD: LDUC
Mode: Susp — Fluid: Oil
MEC LEDUC-WB 9-34-49-26



	Arith	Geo	Harm
Avg Km:	163.64	2.23	0.10
Avg Kv:	1.14	0.14	0.04
Avg Phi:	0.04	0.03	0.02



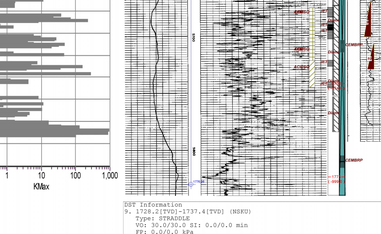
```
DST Information
1. 1554.4[TVD]-1579.1[TVD] (NSKU)
   Type: STRADDLE
   VO: 60.0/60.0 SI: 0.0/0.0 min
   FP: 0.0/0.0 kPa
   SIP: 0.0/0.0 kPa
   HP: 0.0/0.0 kPa
   "RECS: 5.49M (18FT) GAS CUT MUD MAX GAS TO SURFACE: 6085.58M3/D (.215MMCF/D)"
2. 1565.4[TVD]-1578.2[TVD] (NSKU)
   **Misrun**
   Type: STRADDLE
   "SLOW DESCRIPTION: NONE GIVEN, MISRUN."
3. 1565.7[TVD]-1578.2[TVD] (NSKU)
   Type: STRADDLE
   VO: 60.0/60.0 SI: 0.0/0.0 min
   FP: 0.0/0.0 kPa
   SIP: 0.0/0.0 kPa
   HP: 0.0/0.0 kPa
   "RECS: 173.74M (570FT) OIL RECS: 36.58M (120FT) SALTY WATER MAX GAS TO SURFACE:
   4761.6M3/D (.168MMCF/D)"

Prod   Oil ( m3 )  Gas ( E3m3 )  Water ( m3 )
-----  ----------  -----------  ----------
Cum       76203.3       12577.2        458058.9
Daily        10.4           1.7           62.7
```

00/14-30-050-26W4/0

KB: 702.0 m — RR: 1951-05-18
TD: 1618.5 m [TVD] — FormTD: LDUC
Mode: Pump — Fluid: Oil
MEC LEDUC-WB 14-30-50-26

Example of Western Edge of NEP Pool



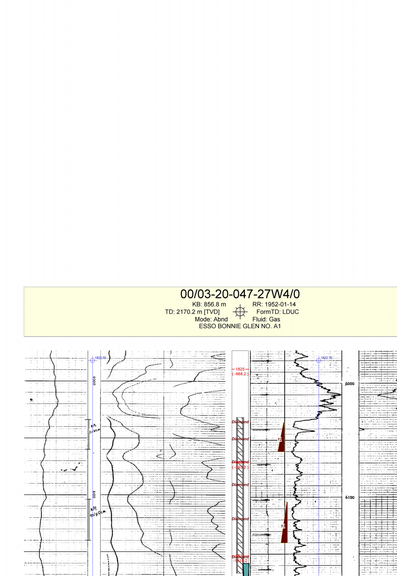
	Arith	Geo	Harm
Avg Km:	86.27	7.84	0.27
Avg Kv:	1.12	0.21	0.05
Avg Phi:	0.05	0.05	0.04


```
DST Information
6. 1519.4[TVD]-1528.6[TVD] (NSKU)
   Type: STRADDLE
   VO: 60.0/60.0 SI: 0.0/0.0 min
   FP: 0.0/0.0 kPa
   SIP: 0.0/0.0 kPa
   HP: 0.0/0.0 kPa
   "RECS: 12.19M (40FT) GAS CUT MUD MAX GAS TO SURFACE: 21299.54M3/D (.752MMCF/D)"
7. 1543.8[TVD]-1559.1[TVD] (NSKU)
   Type: STRADDLE
   VO: 60.0/60.0 SI: 0.0/0.0 min
   FP: 0.0/0.0 kPa
   SIP: 0.0/0.0 kPa
   HP: 0.0/0.0 kPa
   "RECS: 114.3M (375FT) OIL MAX GAS TO SURFACE: 12678.29M3/D (.448MMCF/D)"
8. 1543.8[TVD]-1559.1[TVD] (NSKU)
   Type: STRADDLE
   VO: 60.0/60.0 SI: 0.0/0.0 min
   FP: 0.0/0.0 kPa
   SIP: 0.0/0.0 kPa
   HP: 0.0/0.0 kPa
   "RECS: 274.32M (900FT) OIL RECS: 82.3M (270FT) SALTY WATER MAX GAS TO SURFACE: 4226.1M3/D
   (.149MMCF/D)"

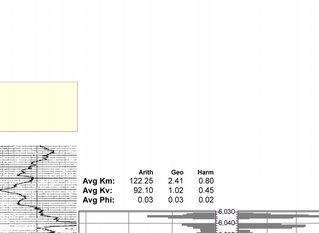
Prod   Oil ( m3 )  Gas ( E3m3 )  Water ( m3 )
-----  ----------  -----------  ----------
Cum       110627.9       13877.5        301833.6
Daily         13.3           1.7           36.4
```

00/04-22-048-27W4/0

KB: 765.5 m — RR: 1952-01-25
TD: 2028.0 m [TVD] — FormTD: LDUC
Mode: Susp — Fluid: Oil
ESSO WIZARD LAKE NO B- 7



	Arith	Geo	Harm
Avg Km:	12.78	2.50	0.93
Avg Kv:	2.35	0.57	0.30
Avg Phi:	0.03	0.03	0.02

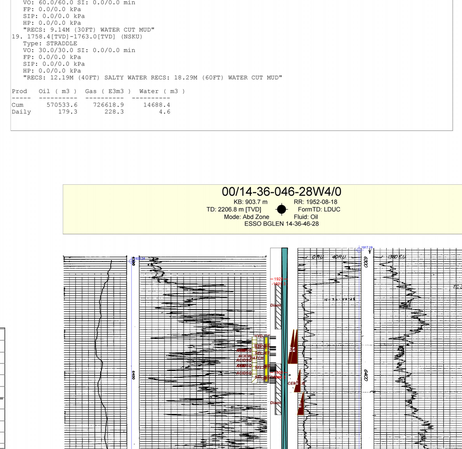


```
DST Information
1. 1735.2[TVD]-1740.1[TVD] (NSKU)
   Type: STRADDLE
   VO: 30.0/30.0 SI: 0.0/0.0 min
   FP: 0.0/0.0 kPa
   SIP: 0.0/0.0 kPa
   HP: 0.0/0.0 kPa
   "RECS: 36.58M (120FT) OIL CUT MUD RECS: 9.14M (30FT) OIL RECS: 9.14M (30FT) SALTY WATER"
2. 1740.4[TVD]-1752.4[TVD] (NSKU)
   Type: STRADDLE
   VO: 30.0/30.0 SI: 0.0/0.0 min
   FP: 0.0/0.0 kPa
   SIP: 0.0/0.0 kPa
   HP: 0.0/0.0 kPa
   "RECS: 18.29M (60FT) OIL CUT MUD"

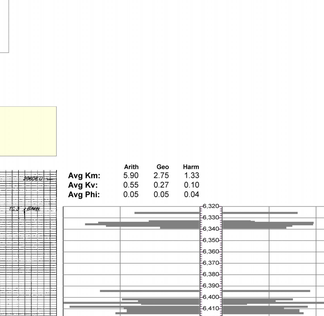
Prod   Oil ( m3 )  Gas ( E3m3 )  Water ( m3 )
-----  ----------  -----------  ----------
Cum       78313.4       360660.5        3150.8
Daily        54.7          252.0           2.2
```

00/12-22-048-27W4/0

KB: 779.7 m — RR: 1951-05-14
TD: 2042.2 m [TVD] — FormTD: LDUC
Mode: Abd Zone — Fluid: Oil
ESSO B1 WIZARD 12-22 MU- 48-27



	Arith	Geo	Harm
Avg Km:	50.18	4.96	0.87
Avg Kv:	2.56	0.52	0.16
Avg Phi:	0.04	0.03	0.02



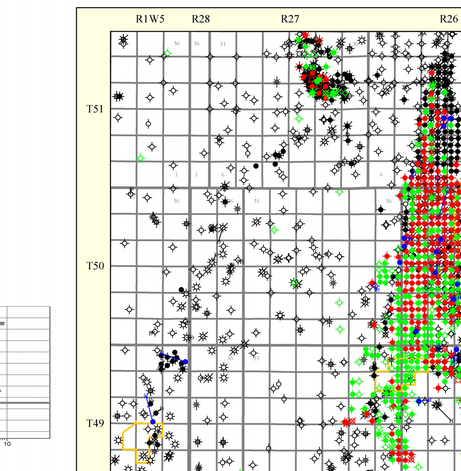
```
DST Information
11. 1737.9[TVD]-1722.7[TVD] (NSKU)
   Type: STRADDLE
   VO: 60.0/60.0 SI: 0.0/0.0 min
   FP: 0.0/0.0 kPa
   SIP: 0.0/0.0 kPa
   HP: 0.0/0.0 kPa
   "RECS: 15.24M (50FT) SULPHUROUS SALTY WATER MAX GAS TO SURFACE: 3240.01M3/D (.114MMCF/D)"
12. 1730.7[TVD]-1739.8[TVD] (NSKU)
   Type: STRADDLE
   VO: 60.0/60.0 SI: 0.0/0.0 min
   FP: 0.0/0.0 kPa
   SIP: 0.0/0.0 kPa
   HP: 0.0/0.0 kPa
   "RECS: 109.73M (360FT) OIL CUT MUD RECS: 603.5M (1980FT) OIL MAX GAS TO SURFACE: 4085.23M3/D (.144MMCF/D)"
13. 1739.8[TVD]-1742.9[TVD] (NSKU)
   Type: STRADDLE
   VO: 60.0/60.0 SI: 0.0/0.0 min
   FP: 0.0/0.0 kPa
   SIP: 0.0/0.0 kPa
   HP: 0.0/0.0 kPa
   "RECS: 30.48M (100FT) MUD RECS: 9.14M (30FT) OIL CUT MUD RECS: 91.44M (300FT) OIL MAX GAS TO SURFACE:
   1915.83M3/D (.068MMCF/D)"
14. 1742.8[TVD]-1745.9[TVD] (NSKU)
   Type: STRADDLE
   VO: 60.0/60.0 SI: 0.0/0.0 min
   FP: 0.0/0.0 kPa
   SIP: 0.0/0.0 kPa

   "RECS: 18.29M (60FT) OIL CUT MUD RECS: 9.14M (30FT) OIL"
15. 1745.9[TVD]-1748.9[TVD] (NSKU)
   Type: STRADDLE
   VO: 90.0/90.0 SI: 0.0/0.0 min
   FP: 0.0/0.0 kPa
   SIP: 0.0/0.0 kPa
   HP: 0.0/0.0 kPa
   "RECS: 51.21M (168FT) OIL RECS: 54.86M (180FT) OIL CUT MUD MAX GAS TO SURFACE: 3775.31M3/D (.133MMCF/D)"
16. 1750.2[TVD]-1752.3[TVD] (NSKU)
   Type: STRADDLE
   VO: 30.0/30.0 SI: 0.0/0.0 min
   FP: 0.0/0.0 kPa
   SIP: 0.0/0.0 kPa
   HP: 0.0/0.0 kPa
   "RECS: 45.72M (150FT) MUD"
17. 1750.5[TVD]-1755.3[TVD] (NSKU)
   Type: STRADDLE
   VO: 30.0/30.0 SI: 0.0/0.0 min
   FP: 0.0/0.0 kPa
   SIP: 0.0/0.0 kPa
   HP: 0.0/0.0 kPa
   "RECS: 9.14M (30FT) WATER CUT MUD"
18. 1755.3[TVD]-1758.4[TVD] (NSKU)
   Type: STRADDLE
   VO: 60.0/60.0 SI: 0.0/0.0 min
   FP: 0.0/0.0 kPa
   SIP: 0.0/0.0 kPa
   HP: 0.0/0.0 kPa
   "RECS: 9.14M (30FT) WATER CUT MUD"
19. 1758.4[TVD]-1763.0[TVD] (NSKU)
   Type: STRADDLE
   VO: 30.0/30.0 SI: 0.0/0.0 min
   FP: 0.0/0.0 kPa
   SIP: 0.0/0.0 kPa
   HP: 0.0/0.0 kPa
   "RECS: 12.19M (40FT) SALTY WATER RECS: 18.29M (60FT) WATER CUT MUD"

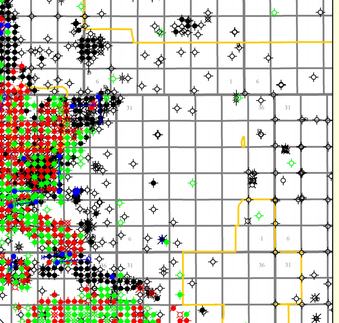
Prod   Oil ( m3 )  Gas ( E3m3 )  Water ( m3 )
-----  ----------  -----------  ----------
Cum       570533.6       726618.9        14689.4
Daily        179.3          228.3           4.6
```

00/02-27-048-27W4/0

KB: 776.0 m — RR: 1952-02-14
TD: 2024.0 m [TVD] — FormTD: LDUC
Mode: Abd Zone — Fluid: Oil
ESSO CPR A1 WIZARD 2-27MU-48-27



	Arith	Geo	Harm
Avg Km:	102.11	22.32	2.07
Avg Kv:	4.71	0.69	0.15
Avg Phi:	0.04	0.04	0.03



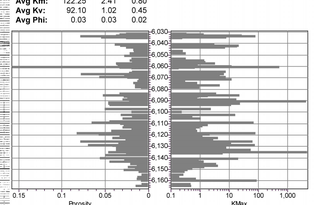
```
DST Information
9. 1726.2[TVD]-1737.4[TVD] (NSKU)
   Type: STRADDLE
   VO: 30.0/30.0 SI: 0.0/0.0 min
   FP: 0.0/0.0 kPa
   SIP: 0.0/0.0 kPa
   HP: 0.0/0.0 kPa
   "RECS: 100.58M (330FT) OIL RECS: 18.29M (60FT) OIL CUT MUD MAX GAS TO SURFACE: 1690.44M3/D (.06MMCF/D)"
10. 1739.5[TVD]-1746.2[TVD] (NSKU)
   Type: STRADDLE
   VO: 30.0/30.0 SI: 0.0/0.0 min
   FP: 0.0/0.0 kPa
   SIP: 0.0/0.0 kPa
   HP: 0.0/0.0 kPa
   "RECS: 18.29M (60FT) MUD"

Prod   Oil ( m3 )  Gas ( E3m3 )  Water ( m3 )
-----  ----------  -----------  ----------
Cum       904873.8       474430.1        440136.0
Daily        106.9          56.1            52.0
```

00/03-20-047-27W4/0

KB: 856.8 m — RR: 1952-01-14
TD: 2170.2 m [TVD] — FormTD: LDUC
Mode: Abnd — Fluid: Gas
ESSO BONNIE GLEN NO. A1

	Arith	Geo	Harm
Avg Km:	122.25	2.41	0.80
Avg Kv:	92.10	1.02	0.45
Avg Phi:	0.03	0.03	0.02

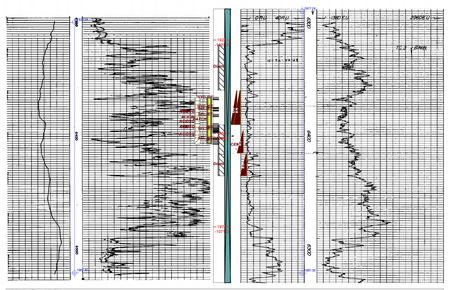


```
DST Information
12. 1839.2[TVD]-1847.1[TVD] (NSKU)
   Type: CONVENTIONAL
   VO: 45.0/45.0 SI: 0.0/0.0 min
   FP: 0.0/0.0 kPa
   SIP: 0.0/0.0 kPa
   HP: 0.0/0.0 kPa
   "SLOW DESCRIPTION: GAS TO SURFACE IN 19 MINUTES. RECS: 36.58M (120FT) OIL CUT MUD INITIAL GAS TO SURFACE:
   1126.96M3/D (.04MMCF/D) FINAL GAS TO SURFACE: 1126.96M3/D (.04MMCF/D) MAX GAS TO SURFACE: 1126.96M3/D
   (.04MMCF/D)"
13. 1860.5[TVD]-1871.5[TVD] (NSKU)
   Type: CONVENTIONAL
   VO: 45.0/45.0 SI: 0.0/0.0 min
   FP: 0.0/0.0 kPa
   SIP: 0.0/0.0 kPa
   HP: 0.0/0.0 kPa
   "SLOW DESCRIPTION: GAS TO SURFACE IN 15 MINUTES. RECS: 36.58M (120FT) GAS CUT MUD INITIAL GAS TO SURFACE:
   845.22M3/D (.03MMCF/D) FINAL GAS TO SURFACE: 845.22M3/D (.03MMCF/D) MAX GAS TO SURFACE: 845.22M3/D
   (.03MMCF/D)"

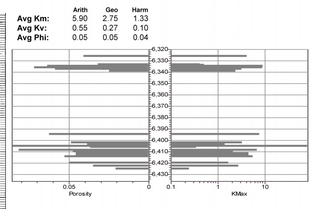
Prod   Oil ( m3 )  Gas ( E3m3 )  Water ( m3 )
-----  ----------  -----------  ----------
Cum       987208.9       367228.0        224912.6
```

00/14-36-046-28W4/0

KB: 903.7 m — RR: 1952-08-18
TD: 2206.8 m [TVD] — FormTD: LDUC
Mode: Abd Zone — Fluid: Oil
ESSO BGLEN 14-36-46-28

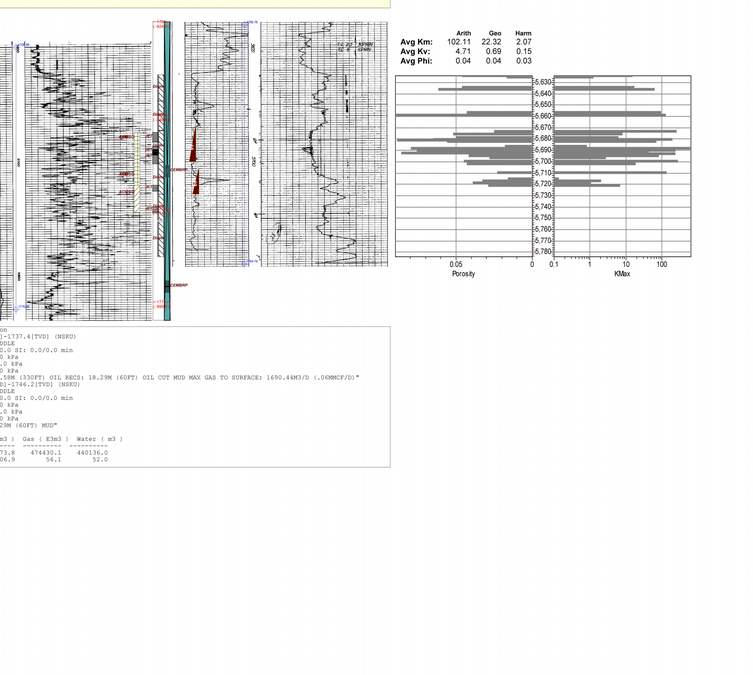


	Arith	Geo	Harm
Avg Km:	5.90	2.75	1.33
Avg Kv:	0.55	0.27	0.10
Avg Phi:	0.05	0.05	0.04

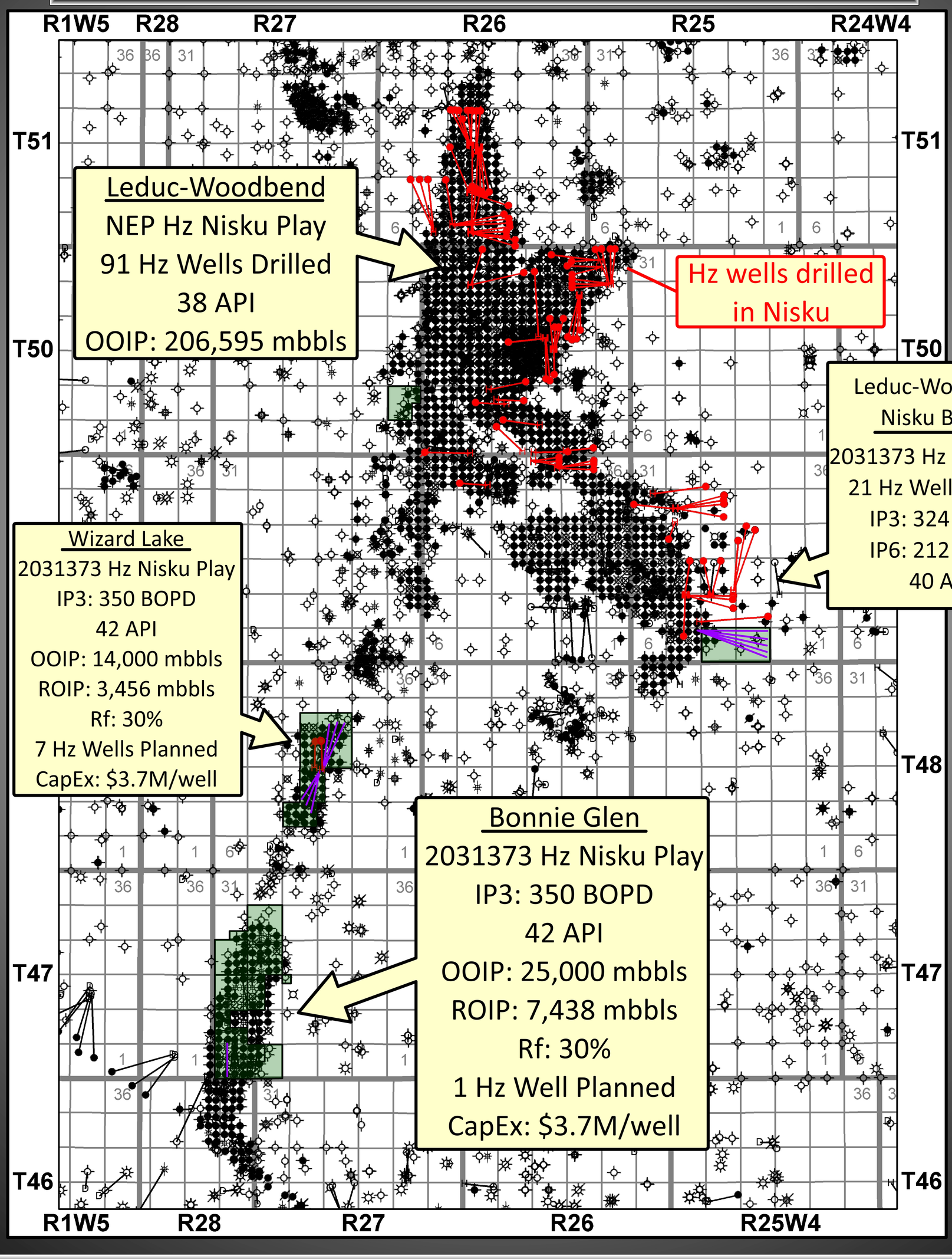


```
DST Information
3. 1938.5[TVD]-1947.7[TVD] (NSKU)
   **Misrun**
   Type: STRADDLE
   "SLOW DESCRIPTION: NONE AVAILABLE, MISRUN."
4. 1938.5[TVD]-1947.7[TVD] (NSKU)
   Type: CONVENTIONAL
   VO: 60.0/60.0 SI: 0.0/0.0 min
   FP: 0.0/0.0 kPa
   SIP: 0.0/0.0 kPa
   HP: 0.0/0.0 kPa
   "RECS: 82.3M (270FT) GAS CUT MUD INITIAL GAS TO SURFACE: 7916.89M3/D (.28MMCF/D) FINAL GAS TO SURFACE:
   7916.89M3/D (.28MMCF/D) MAX GAS TO SURFACE: 7916.89M3/D (.28MMCF/D)"
5. 1949.2[TVD]-1955.3[TVD] (NSKU)
   Type: CONVENTIONAL
   VO: 60.0/60.0 SI: 0.0/0.0 min
   FP: 0.0/0.0 kPa
   SIP: 0.0/0.0 kPa
   HP: 0.0/0.0 kPa
   "RECS: 3.05M (10FT) OIL CUT MUD RECS: 33.53M (110FT) OIL INITIAL GAS TO SURFACE: 7043.5M3/D (.249MMCF/D)
   FINAL GAS TO SURFACE: 7043.5M3/D (.249MMCF/D) MAX GAS TO SURFACE: 7043.5M3/D (.249MMCF/D)"
6. 1955.3[TVD]-1961.4[TVD] (NSKU)
   Type: CONVENTIONAL
   VO: 30.0/30.0 SI: 0.0/0.0 min
   FP: 0.0/0.0 kPa
   SIP: 0.0/0.0 kPa
   HP: 0.0/0.0 kPa
   "RECS: 9.14M (30FT) WATER CUT MUD"

Prod   Oil ( m3 )  Gas ( E3m3 )  Water ( m3 )
-----  ----------  -----------  ----------
Cum       1066168.1       384335.0        92564.5
Daily         121.8           43.9           10.6
```



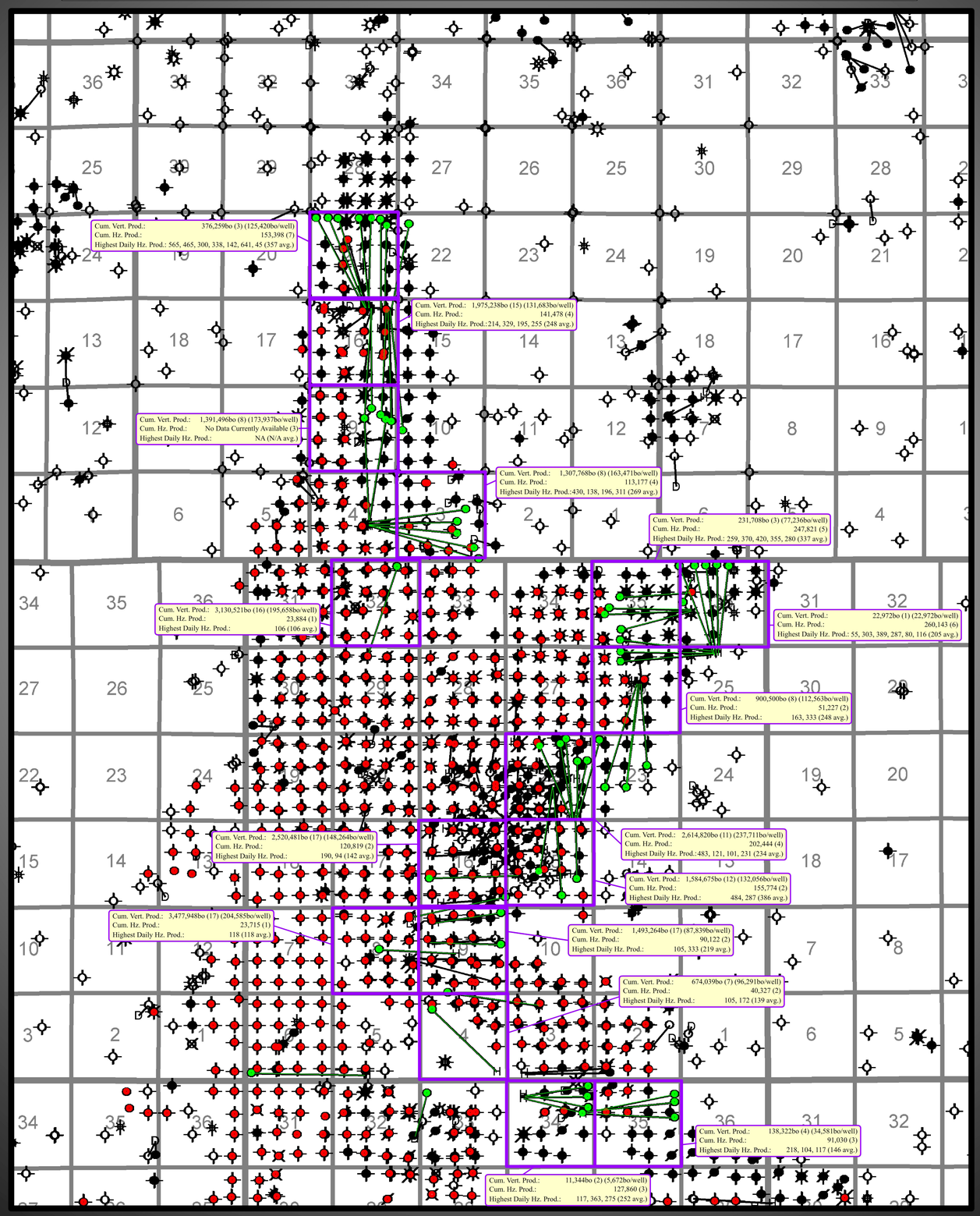
Nisku Reef Complex
Horizontal Oil Play



2031373 Alberta Ltd., March 2019

Leduc-Woodbend

Comparison of Historical Vertical Nisku Production vs. Current Horizontal Nisku Production Illustrating Future Productivity



Bonnie Glen Nisku Core Review

Graeme Bloy , Atum Consulting

Four Core Plugs were sampled for permeability regain tests for the Bonnie Glen middle Nisku

These samples were selected as the potential horizontal wells @ Bonnie Glen will be drilled in their lateral/horizontal section in the middle Nisku Fm

The samples are reasonably representative of the productive reservoir in the middle Nisku at B.G.

Only two wells have been core cut in the Nisku Fm. at Bonnie Glen, cutting the upper & middle Nisku Fm.

1.) 03-20-47-27W4
2.) 14-36-46-28W4

Six basic facies were identified in the two cores examined:

1.) Peloid/coated grain dolograinstone – present in both the upper & middle Nisku

2.) Bioturbated grain rich dolowackstone – dominant facies in the middle Nisku

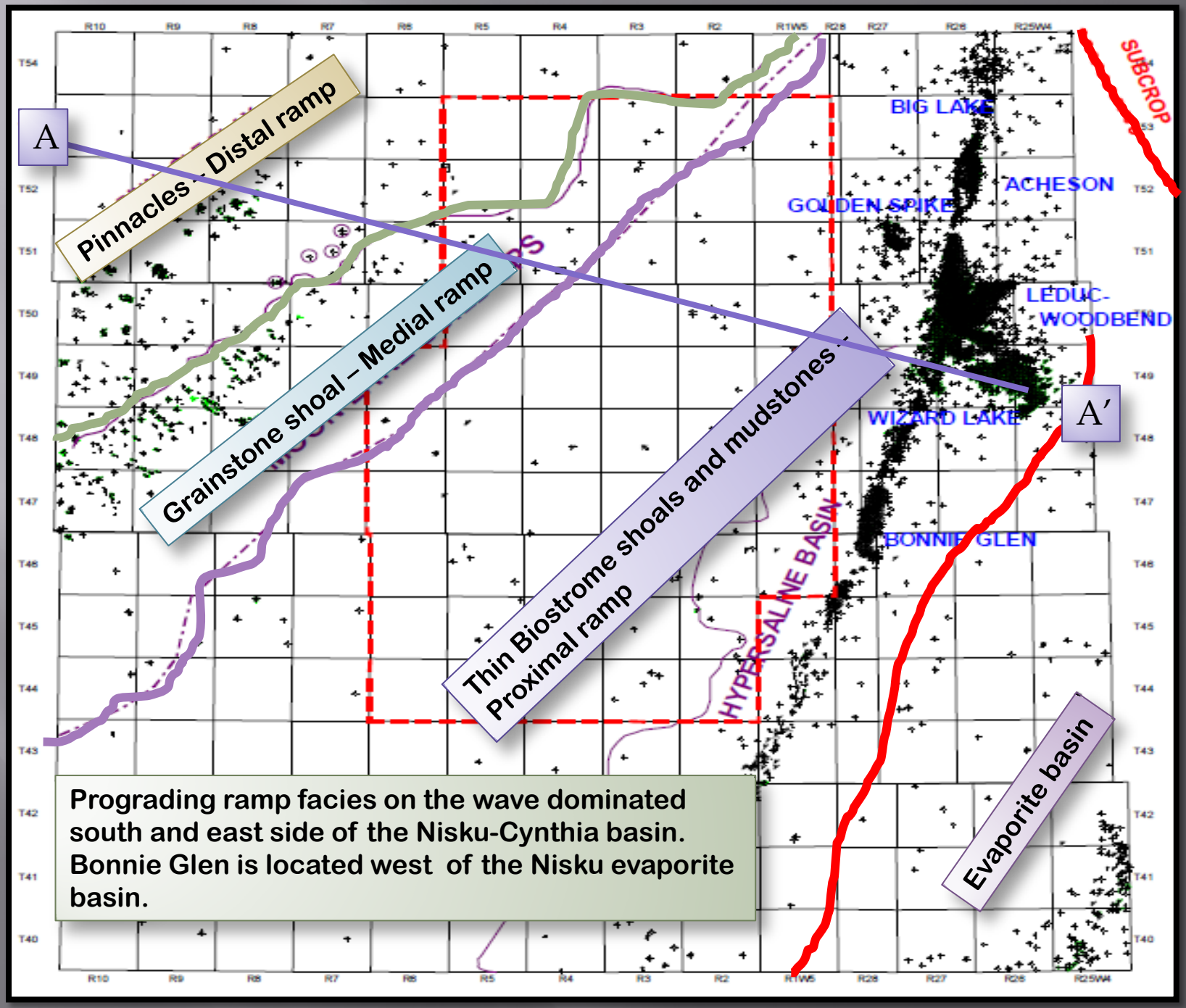
3.) Bioturbated dolomudstone – dominant facies in the upper Nisku

4.) Pale brown dolomudstone – upper Nisku

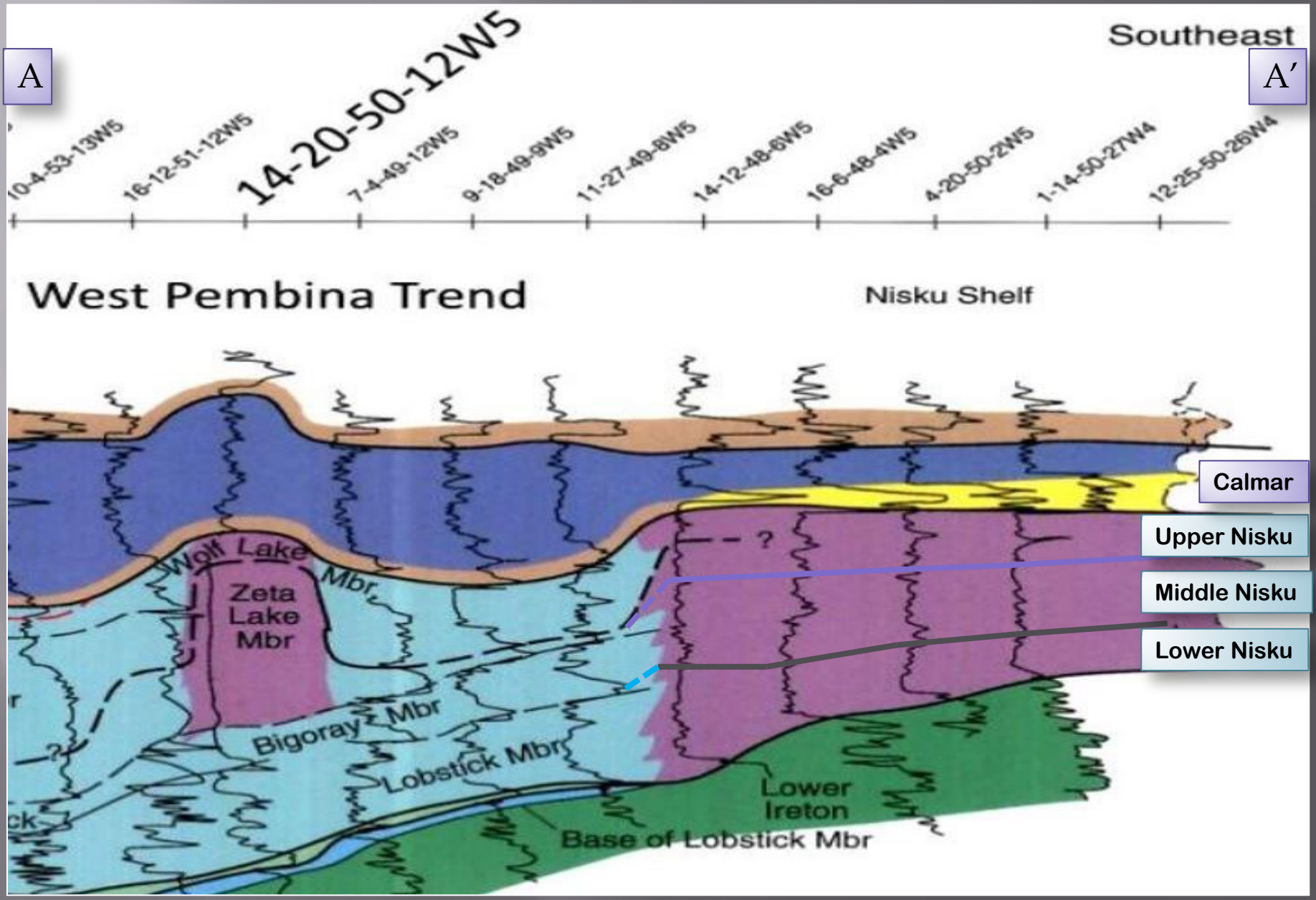
5.) Grayish-green dolomudstone – upper Nisku – usually higher gamma ray than rest of facies

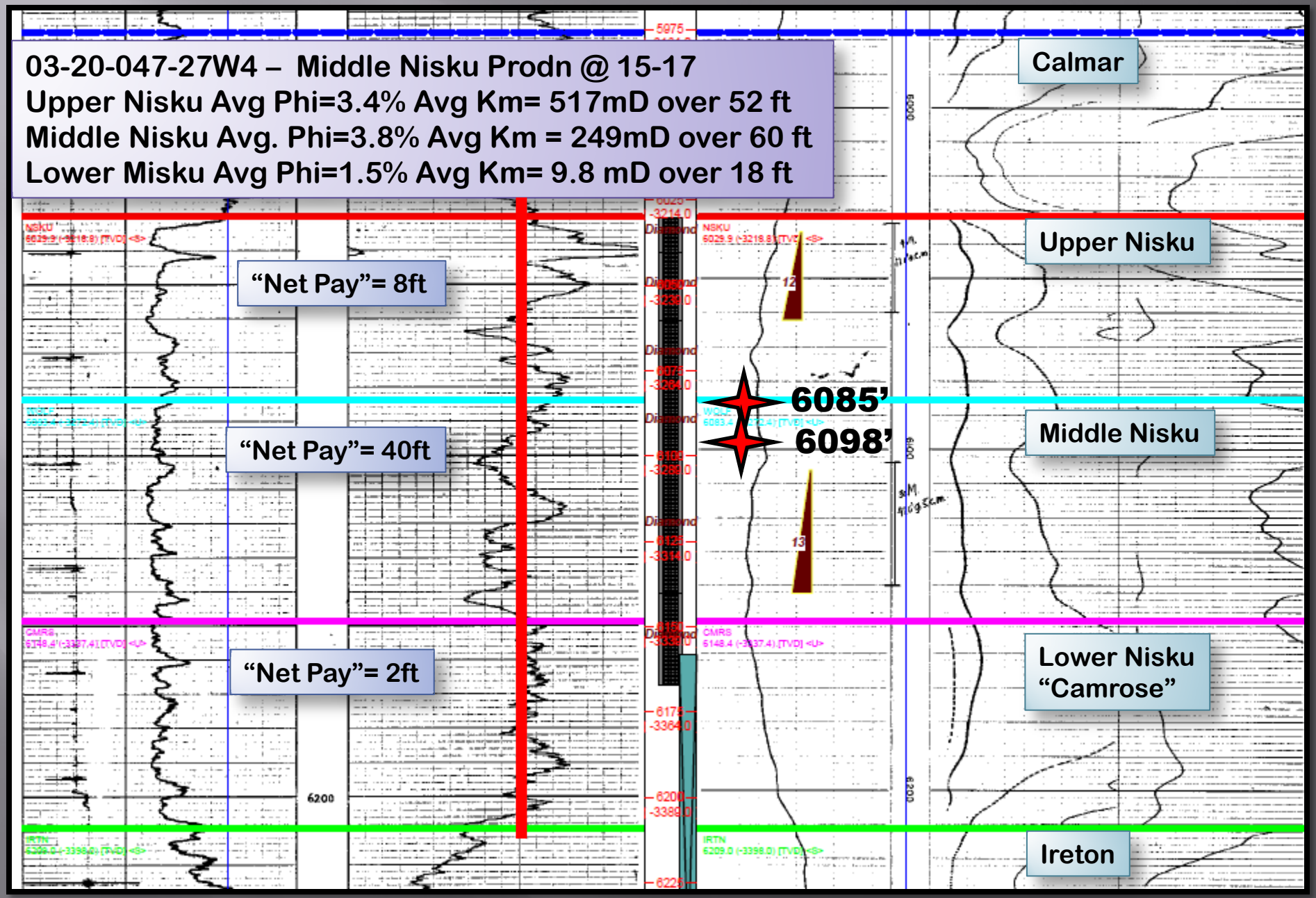
6.) Green mudstone filtrate – present during below subaerial exposure surfaces

The depostional setting starts in a medial ramp setting in the lower Nisku and thru the lower portion of the middle Nisku. For the remainder of the middle Nisku and Upper Nisku the depo-setting was in the proximal ramp, as the Nisku was in the highstand (with abundant carb/evaporites off to the east).


A
Pinnacles – Distal ramp
Grainstone shoal – Medial ramp
Thin Biostrome shoals and mudstones – Proximal ramp
HYPERSALINE BASIN
Evaporite basin
A′
BIG LAKE
ACHESON
GOLDEN SPIKE
LEDUC-WOODBEND
WIZARD LAKE
BONNIE GLEN
SUBCROP
Prograding ramp facies on the wave dominated south and east side of the Nisku-Cynthia basin. Bonnie Glen is located west of the Nisku evaporite basin.

Nisku Regional Stratigraphic Cross Section



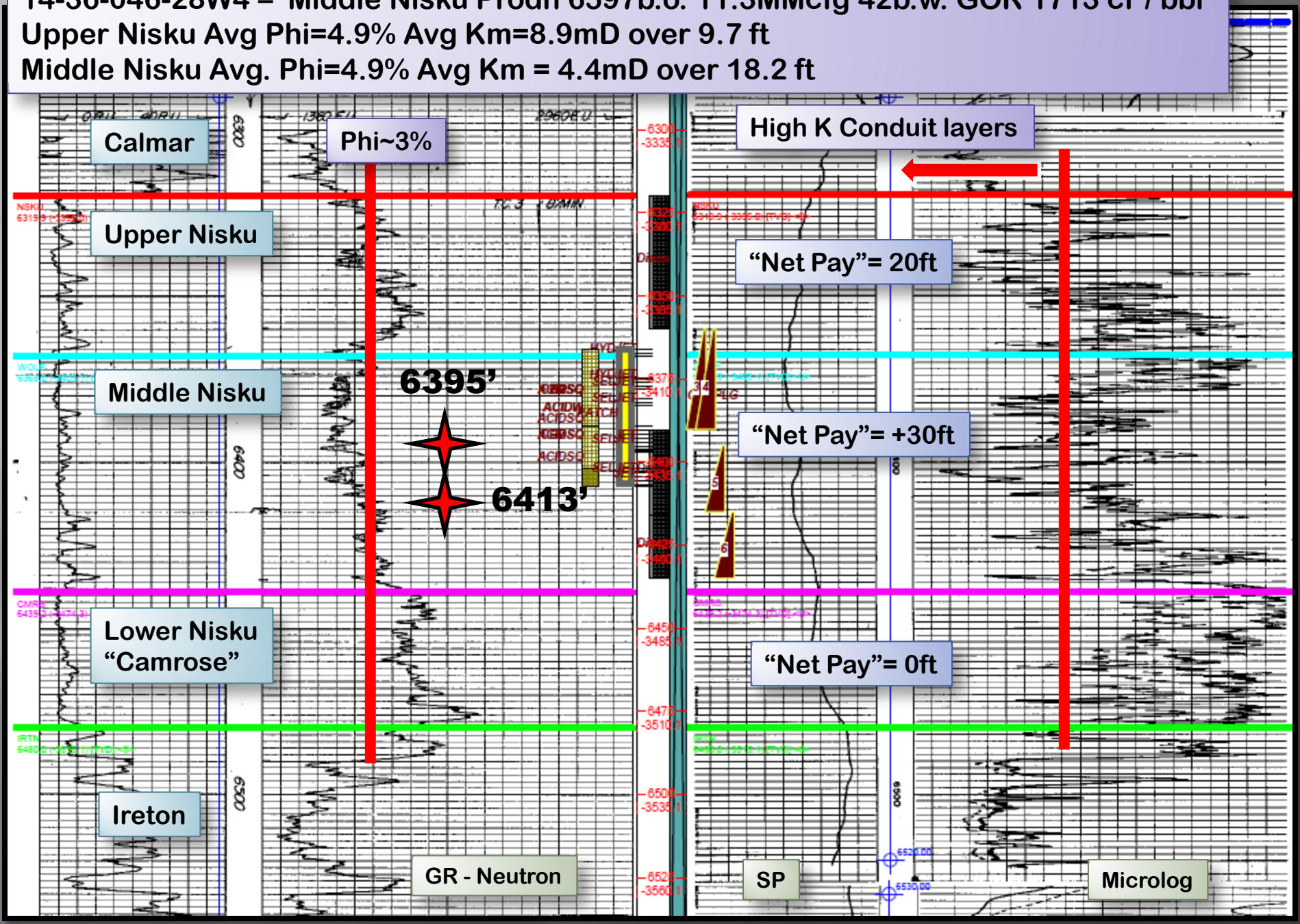

03-20-047-27W4 – Middle Nisku Prodn @ 15-17
Upper Nisku Avg Phi=3.4% Avg Km= 517mD over 52 ft
Middle Nisku Avg. Phi=3.8% Avg Km = 249mD over 60 ft
Lower Misku Avg Phi=1.5% Avg Km= 9.8 mD over 18 ft
Calmar
Upper Nisku
Middle Nisku
Lower Nisku
"Camrose"
Ireton
"Net Pay"= 8ft
"Net Pay"= 40ft
"Net Pay"= 2ft
6085'
6098'
6200

Middle Nisku Regain Perm Plug 14-36-46-28W4 – 6413 feet – WC 15 – Phi 4.6% Kmax 4.8 mD – Peloid-rich dolowackstone



Middle Nisku Regain Perm Plug 14-36-46-28W4 – 6395 feet – WC 8 – Phi 6.3% Kmax 7.7 mD – Peloid dolowackstone

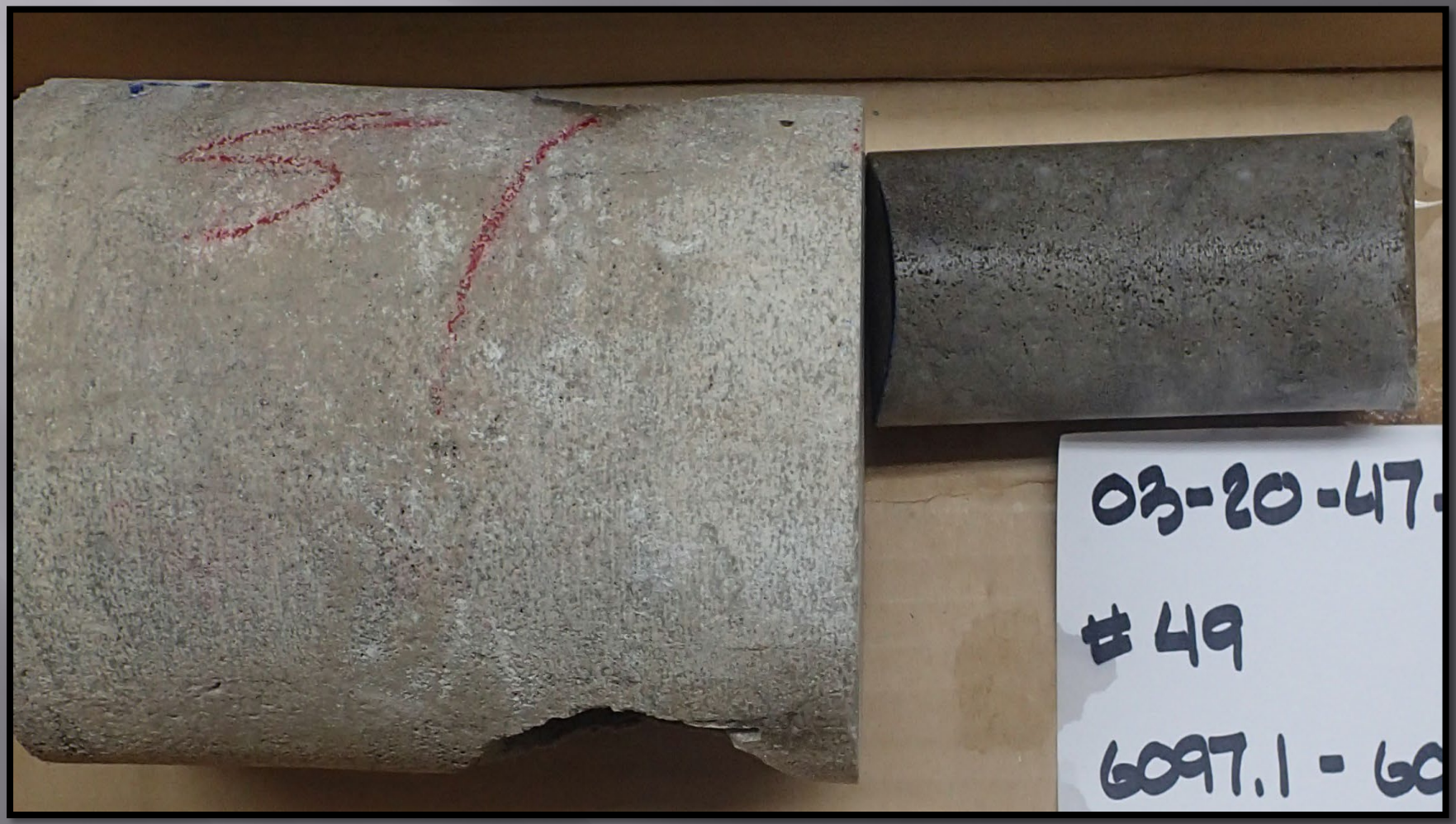



14-36-046-28W4 – Middle Nisku Prodn 6597b.o. 11.3MMcfg 42b.w. GOR 1713 cf / bbl
Upper Nisku Avg Phi=4.9% Avg Km=8.9mD over 9.7 ft
Middle Nisku Avg. Phi=4.9% Avg Km = 4.4mD over 18.2 ft
Calmar
Phi~3%
High K Conduit layers
Upper Nisku
"Net Pay"= 20ft
Middle Nisku
6395'
6413'
"Net Pay"= +30ft
Lower Nisku "Camrose"
"Net Pay"= 0ft
Ireton
GR - Neutron
SP
Microlog

Middle Nisku Regain Perm Plug – 03-20-47-27W4 – 6085 feet WC 40 – Phi 5.3% Kmax 24 mD – Peloid dolowackestone



Middle Nisku Regain Perm Plug – 03-20-47-27W4 – 6098 ft WC 49 – Phi 5.1% Kmax 2.5 mD – Peloidal-rich dolowackestone



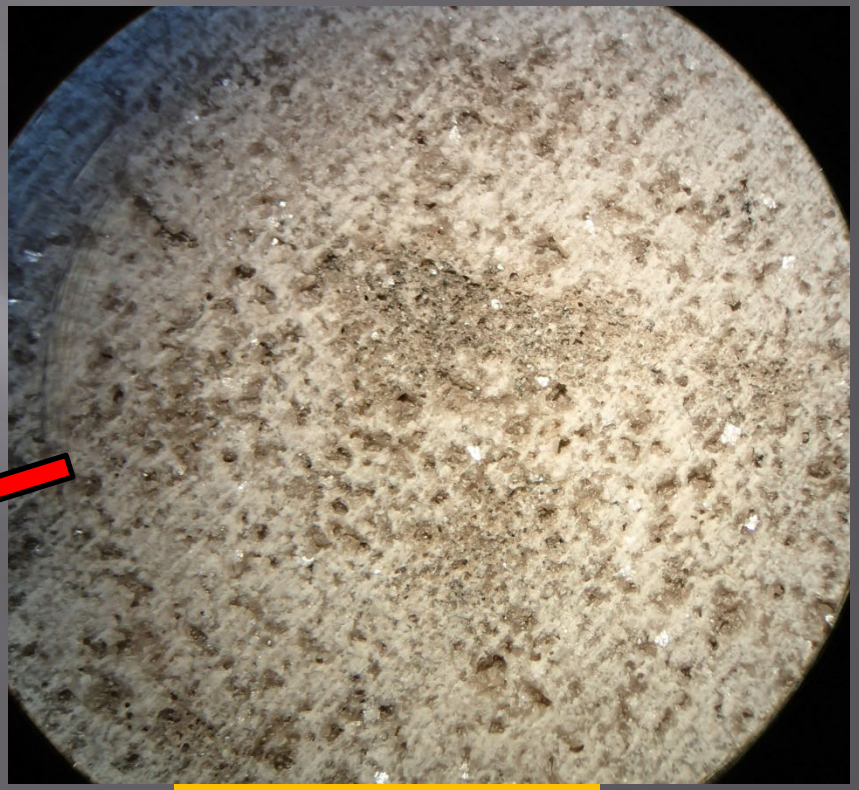
14-36-46-28W4 – 6407 feet – 3.7% 0.35mD (core analysis 1952-08)
Fine crystalline peloid/coated grain dolowackestone , anhydrite cement plugging both solution enlarge molds and channels; pores are solution enlarged molds, very fine intercrystal, & tensional stress cracks; visually porosity is 6-8% with K <10mD;





14-36-46-28W4 – 6413 ft – 4.6% 4.6mD - core sample for perm regain – peloid coated grain rich bioturbated wackestone, anhydrite filled dissolution channels & fractures, pore types in this facies are commonly small mesovugs (pinpoint) and micro intercrystal pores, minor sol'n enlarged TSF's, visually there is 6-8% porosity – I believe the core analysis in this facies is pessimistic





Micrscope view 2X

14-36-46-28W4 - 6335 feet WC 4 - middle Nisku 7.2% 8.9 mD – mainly small with large mesovugs - note:the poor interconnection of pores – again visually there is 8-12% porosity





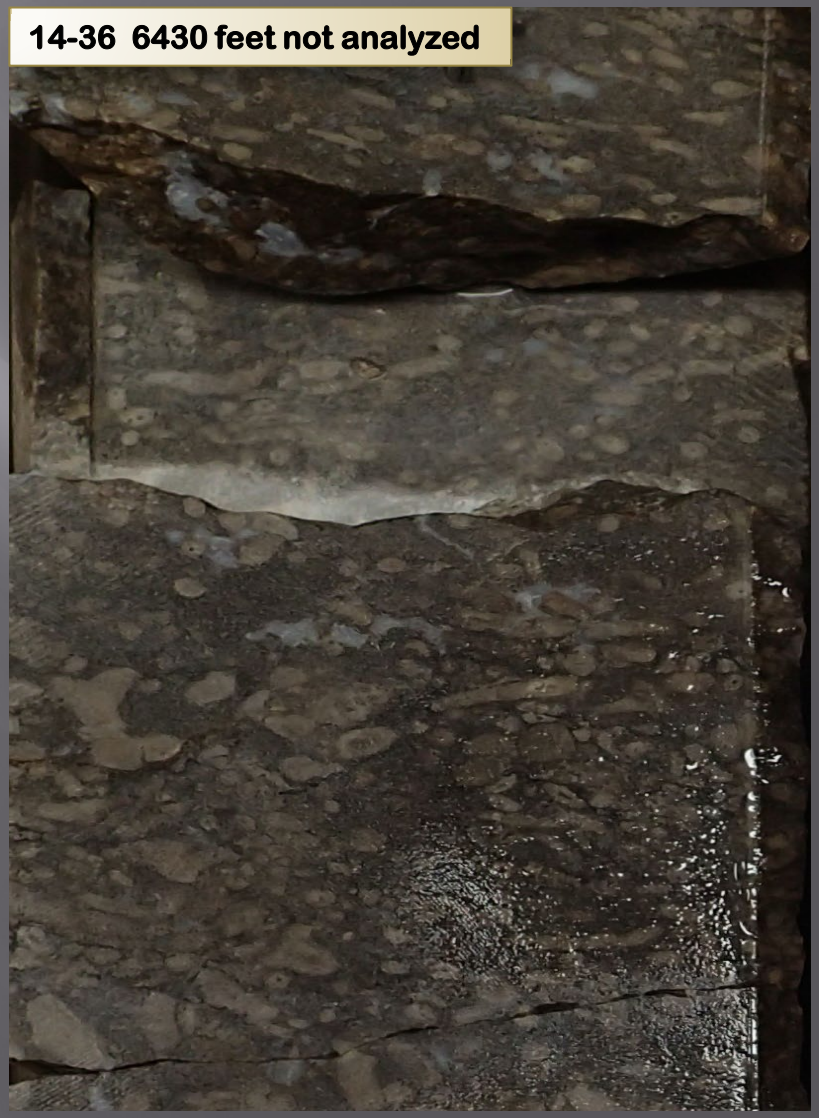
Two Types of Mudstones – 14-36-46-28W4 – Upper Nisku - @6342 feet the classic grayish green dolomudstone which creates small gamma ray spikes - @ 6352 feet pale brown dolomudstone suggests that the Nisku ramp continues to muddy up through the time, proximal ramp mudflats



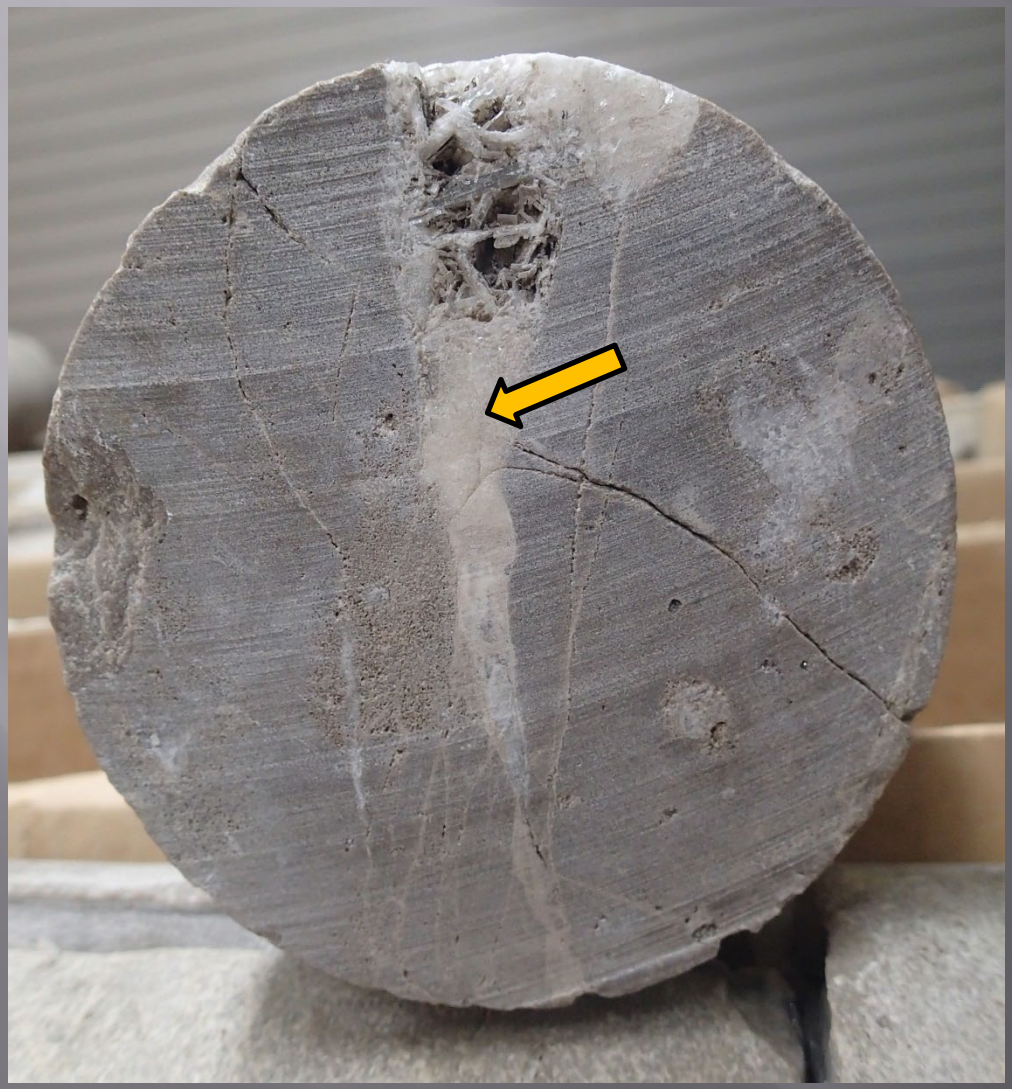


Near the base of the middle Nisku, then into lower Nisku "coral beds" –*Amphipora* dolofloatstone – pore type large meso molds (0.5 -1 mm) after *Amphipora* conestrae or branches – medial ramp facies composed of mud sediments and Amphipora coral rich biotromes





03-20-47-27W4 – 6129-1632 feet – geo-mechanical unit - stylofractured note; vertical tensional stress fractures (green arrows) initiated off stylolite seam (red arrow) – dolomudstone, very fine crystalline, anhydrite infilling solution enlarged TSF's (orange arrow), 03-20 drilled on structural culmination of the Bonnie Glen D2 pool





03-20-47-27W4 – 6133.5 feet - dolomudstone – solution channels within an anhydrite cemented TSF, Phi 4.7% K_m 57mD K_{90} 12mD K_v 53mD subvertical , stylofractured mechanical unit commonly localized in extreme stress points, usually in vf – micro crystalline rocks,



03-20-47-27W4 – 6061 feet - upper Nisku – por 15.8% K_m 561 mD K_{90}561 mD K_v 290 mD , an anomaly in all the Nisku core viewed, pore type small mesomolds/vugs (< 0.5mm), probably originally a coated peloidal grainstone of limited areal extent



CORE ANALYSIS REPORT
FOR

BLACKSPUR OIL CORP.

LSD 03-20-047-27 W4
ALBERTA

THESE ANALYSES, OPINIONS OR INTERPRETATIONS ARE BASED ON OBSERVATIONS AND MATERIALS SUPPLIED BY THE CLIENT TO WHOM; AND FOR WHOSE EXCLUSIVE AND CONFIDENTIAL USE; THIS REPORT IS MADE. THE INTERPRETATIONS OR OPINIONS EXPRESSED REPRESENT THE BEST JUDGEMENT OF CORE LABORATORIES (ALL ERRORS AND OMISSIONS EXCEPTED); BUT CORE LABORATORIES AND ITS OFFICERS AND EMPLOYEES, ASSUME NO RESPONSIBILITY AND MAKE NO WARRANTY OR REPRESENTATIONS, AS TO THE PRODUCTIVITY, PROPER OPERATIONS, OR PROFITABLENESS OF ANY OIL, GAS OR MINERAL WELL OR FORMATION IN CONNECTION WITH WHICH SUCH REPORT IS USED OR RELIED UPON. CORE LABORATORIES IS COMMITTED TO CUSTOMER SATISFACTION AND WELCOMES YOUR FEEDBACK. YOU CAN E-MAIL THE GENERAL MANAGER WITH YOUR COMMENTS AT ***PSCANADA.FEEDBACK@CORELAB.COM***.

Petroleum Services Division
Core Laboratories Canada, Ltd.
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Calgary, Alberta, Canada T2E 7P7
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Fax: (403) 250-5120
www.corelab.com

Core Lab
RESERVOIR OPTIMIZATION

November 25, 2015

Blackspur Oil Corp.
#1110 335 8 Ave SW,
Calgary, AB T2P 1C9

Attention: Sean Kostenuk

Subject: 03-20-047-27 W4
Our File Number: 52131-15-0082

Selected samples from the subject well were transported to our Calgary laboratory for analysis.

1. Conventional, Plug Type Analysis

   Two samples (38.1mm diameter) were cleaned in a vapour phase extractor using toluene and dried in a friction air oven. Analysis includes porosity by Boyle's Law technique using helium as the gaseous medium and horizontal permeability to air.

   Due to fractures, sample quality or low Permeability values "<.001mD", the permeability analysis Samples prefixed SPA were measured with the Profile Permeameter (PDPK – Pressure Decay Profile Permeability).

Thank you for the opportunity to be of service.

Yours truly,

CORE LABORATORIES CANADA, LTD.

Derrick Davis
Supervisor, Routine Rock Properties

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BSI
ISO 9001:2000
FS 51855

BLACKSPUR OIL CORP. : **52131-15-0082**

LSD 03-20-047-27 W4

Field	:	Formation	:	Date	: 2015-10-13
Province	: ALBERTA	Coring Equip	:	Analysts	: DJD
License	:	Coring Fluid	:	Core Dia	:

CORE ANALYSIS FINAL RESULTS

SAMPLE NUMBER		SPOT DEPTH ft	PERMEABILITY (MAXIMUM) Kair md	POROSITY (HELIUM) %	BULK DENSITY gm/cc	GRAIN DENSITY gm/cc	COMMENTS
SPA	40	6085.3	8.77	5.3	2.69	2.84	dol i ppv
SP	49	6097.5	2.12	5.9	2.66	2.83	dol i ppv



CODE KEY - DESCRIPTIONS

ACA	=	Removed for advanced core analysis
anhy	=	Anhydrite
arg	=	Argillaceous
AST	=	Appears similar to
bit	=	Bitumen
bk	=	Break
c	=	Coarse
calc	=	Calcite (calcareous)
carb	=	Carbonaceous
cbl	=	Cobble
cgl	=	Conglomerate
cht	=	Chert
coal	=	Coal/coal inclusion
coq	=	Coquina
dol	=	Dolomite
f	=	Fine
fc	=	Filter cake on suface of core sample
FD	=	Full diameter analysis including three directional permeabilities, porosity and densities
foss	=	Fossil (fossiliferous)
frac	=	Fracture (undifferentiated)
fri	=	Friable
glauc	=	Glauconite (glauconitic)
grnl	=	Granule
gyp	=	Gypsum
hal	=	Halite (salt)
hfrac	=	Horizontal fracture
i	=	Intercrystalline
IFD	=	Inner Full Diameter (Full diameter sample is drilled from the bulk portion of the core in the vertical direction for permeability and porosity measurements)
incl	=	Inclusions
lam	=	Laminae (laminated)
ls	=	Limestone
lv	=	Large vug
m	=	Medium
mi	=	Mud invaded
mv	=	Medium vug
NA	=	Not analyzed by request
NR	=	Not received
OB	=	Overburden sample (permeability and porosity measured at net overburden stress)
ool	=	Oolitic
pbl	=	Pebble
PFD	=	Preliminary Full Diameter sample
ppv	=	Pinpoint vug
PR	=	Preserved for future studies
PSA	=	Particle size analysis
PSP	=	Preliminary Small Plug sample
pyr	=	Pyrite (pyritic)
pyrbit	=	Pyrobitumen
ru	=	Rubble
SA	=	Sieve analysis
sdy	=	Sandy
SEM	=	Scanning electron microscope analysis
sh	=	Shale
shy	=	Moderately shaly (20% - 40%)
sid	=	Siderite
sltst	=	Siltstone
slty	=	Silty
SP	=	Small plug (sample drilled from core in maximum horizontal direction and parallel to bedding plane where possible) permeability porosity, and grain density are measured
SPA	=	(Prefix A) Horizontal matrix permeability measured by pressure decay profile permeametry through a probe tip due to sample quality
SPH	=	Humidity analysis of small plug sample at 60 degrees Celsius and 50 % relative humidty
SPP	=	Small plug from preserved section of the core
SPT	=	Small Plug used for tracer analysis
ss	=	Sandstone
ssdy	=	Slightly sandy (<20%)
sshy	=	Slightly shaly (<20%)
sty	=	Stylolite (ic)
sulf	=	Sulphur
sv	=	Small vug
TEC	=	Thermal Extraction Chromatography to determine oil richness
TS	=	Thin section
uncons	=	Unconsolidated
vc	=	Very coarse
vf	=	Very fine
vfrac	=	Vertical fracture
VIS	=	Viscosity of oil measured
VOB	=	Vertical overburden sample (vertical permeability measured at net overburden stress)
vshy	=	Very shaly (>40%)
VSP	=	Vertical small plug drilled from whole core to measure vertical permeability (and occasionally porosity)
vug	=	Vuggy (vuggular)
ws	=	Water sand
XRD	=	X-ray diffraction
*	=	Data unavailable due to poor sample quality
10240	=	Permeability >10 Darcies, (maximum routine permeability measurement)

CORE ANALYSIS REPORT
FOR

BLACKSPUR OIL CORP.

LSD 14-36-046-28 W4
ALBERTA

THESE ANALYSES, OPINIONS OR INTERPRETATIONS ARE BASED ON OBSERVATIONS AND MATERIALS SUPPLIED BY THE CLIENT TO WHOM; AND FOR WHOSE EXCLUSIVE AND CONFIDENTIAL USE; THIS REPORT IS MADE. THE INTERPRETATIONS OR OPINIONS EXPRESSED REPRESENT THE BEST JUDGEMENT OF CORE LABORATORIES (ALL ERRORS AND OMISSIONS EXCEPTED); BUT CORE LABORATORIES AND ITS OFFICERS AND EMPLOYEES, ASSUME NO RESPONSIBILITY AND MAKE NO WARRANTY OR REPRESENTATIONS, AS TO THE PRODUCTIVITY, PROPER OPERATIONS, OR PROFITABLENESS OF ANY OIL, GAS OR MINERAL WELL OR FORMATION IN CONNECTION WITH WHICH SUCH REPORT IS USED OR RELIED UPON. CORE LABORATORIES IS COMMITTED TO CUSTOMER SATISFACTION AND WELCOMES YOUR FEEDBACK. YOU CAN E-MAIL THE GENERAL MANAGER WITH YOUR COMMENTS AT ***PSCANADA.FEEDBACK@CORELAB.COM***.

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November 25, 2015

Blackspur Oil Corp.
#1110 335 8 Ave SW,
Calgary, AB T2P 1C9

Attention: Sean Kostenuk

Subject: 14-36-046-28 W4
Our File Number: 52131-15-0083

A selected sample from the subject well was transported to our Calgary laboratory for analysis.

1. Conventional, Plug Type Analysis

   One sample (38.1mm diameter) was cleaned in a vapour phase extractor using toluene and dried in a friction air oven. Analysis includes porosity by Boyle's Law technique using helium as the gaseous medium and horizontal permeability to air.

Thank you for the opportunity to be of service.

Yours truly,

CORE LABORATORIES CANADA, LTD.

Derrick Davis
Supervisor, Routine Rock Properties

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FS 51856

BLACKSPUR OIL CORP.

File No. : 52131-15-0083

LSD 14-36-046-28 W4

Field	:	Formation	:	Date	: 2015-10-13
Province	: ALBERTA	Coring Equip	:	Analysts	: DJD
License	:	Coring Fluid	:	Core Dia	:

CORE ANALYSIS FINAL RESULTS

SAMPLE NUMBER	SPOT DEPTH ft	PERMEABILITY (MAXIMUM) Kair md	POROSITY (HELIUM) %	BULK DENSITY gm/cc	GRAIN DENSITY gm/cc	COMMENTS
SP 8	6395.0	0.04	4.2	2.70	2.82	dol i ppv



CODE KEY - DESCRIPTIONS

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bk	=	Break
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PSP	=	Preliminary Small Plug sample
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pyrbit	=	Pyrobitumen
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SEM	=	Scanning electron microscope analysis
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sshy	=	Slightly shaly (<20%)
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vfrac	=	Vertical fracture
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XRD	=	X-ray diffraction
*	=	Data unavailable due to poor sample quality
10240	=	Permeability >10 Darcies, (maximum routine permeability measurement)

SEM and Anhydrate Solubility Core Testing on samples from 03-20-047-27W4 and 14-36-046-28W4 for Blackspur Oil Corp.

Prepared For	Craig Bilick
Client	Blackspur Oil Corp.
Author	Javier Borau Garcia, Ph.D.
Report No.	LP16-098
Completion Date	24 March 2016

Summary

SEM imaging was performed at GR-Petrology on core samples from the Nisku production zone of the Bonnie Glen location, LSD 03-20-047-27W4 and 14-36-046-28W4. 4 cores, 2 from each location were employed for the analysis. The images obtained along with ESD analysis performed at the same time, revealed that the rock composition of the formation is mostly Dolomite with appreciable amounts of Anhydrate. Only trace amounts of Illite were found in the form of Clays.

Two samples of the anhydrate were chipped of from the core samples and hot rolled in distilled water at the reservoir temperature of 76 °C. This testing was performed in order to determine the probability of the anhydrate to dissolve in water under reservoir conditions.

Objectives

The purpose of this project was to further analyse the properties of the rock from the Nisku formation from the Bonnie Glen Locations in order to properly determine if there are any latent issues that need to be adressed in the design of the drilling fluid to be employed.

Experimental details

Samples employed for SEM analysis

Core	Sample No.	Bag Number	Location	Depth (ft)
1	40	15-0082	03-20-047-27W4	6085.3
2	49	15-0082	03-20-047-27W4	6097.5
3	8	15-0083	14-36-046-28W4	6395.0
4	15	15-0083	14-36-046-28W4	6413.0

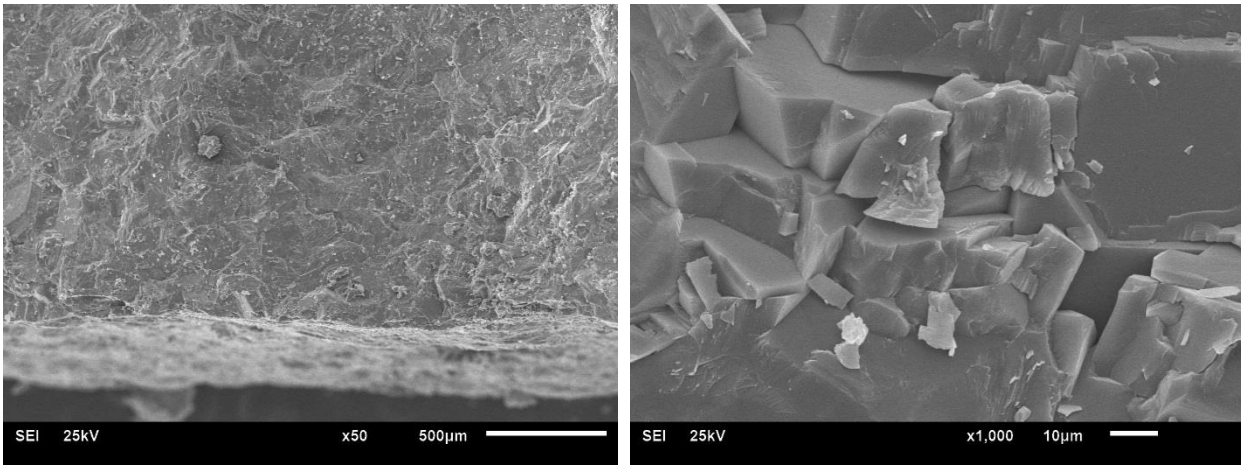
Table 1. List of core samples employed

1 Piece from each core was employed for the SEM analysis.

The anhydrate samples were both obtained from Core #4 as this was the sample with the biggest, most accesible anhydrate vein. The two samples were weighted and then placed in a hot rolling cell with 200 mL of distilled water. The samples were hot rolled at 76 °C for 40 h. The anhydrate samples were dried in an oven at 100 °C for 24 h and reweighted, while water was collected and analyzed for dissolved ions.

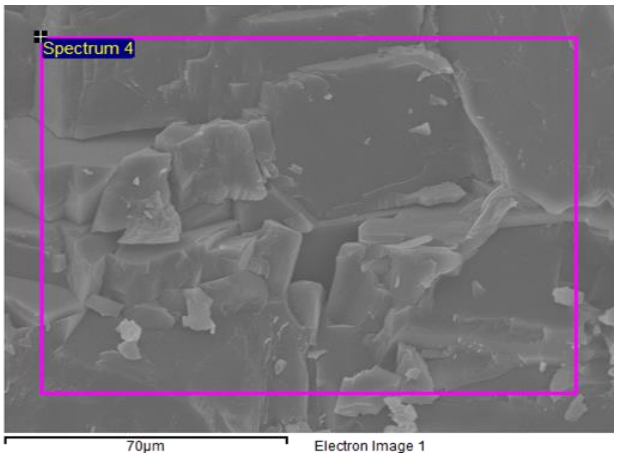
Results and discussion

Core 1 SEM and EDS



Figures 1(left) x 50 magnification showing the edge of the sample, and 2(right) x 1000 magnification showing the most prevalent features observed along the core.

Element	App Conc.	Intensity Corrn.	Weight%	Weight% SIgma	Atomic%
C K	9.97	0.2760	28.02	0.81	39.24
O K	11.66	0.2071	43.67	0.77	45.92
Mg K	7.15	0.5060	10.95	0.21	7.58
Ca K	20.60	0.9326	17.13	0.28	7.19
Fe K	0.23	0.7902	0.23	0.06	0.07
Totals			100.00		



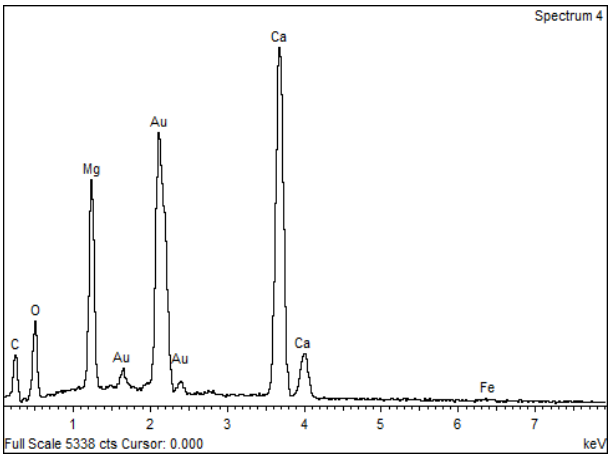
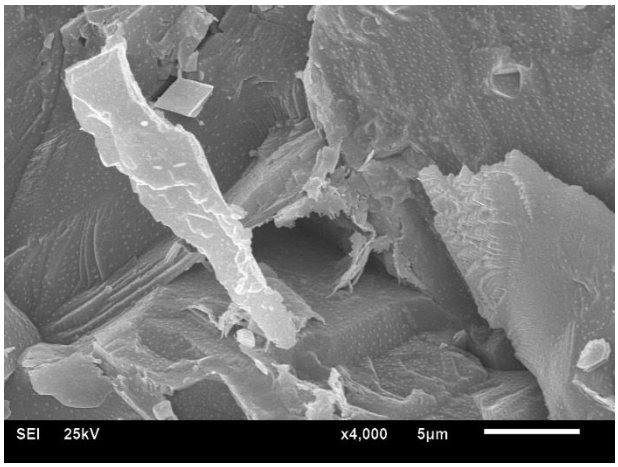
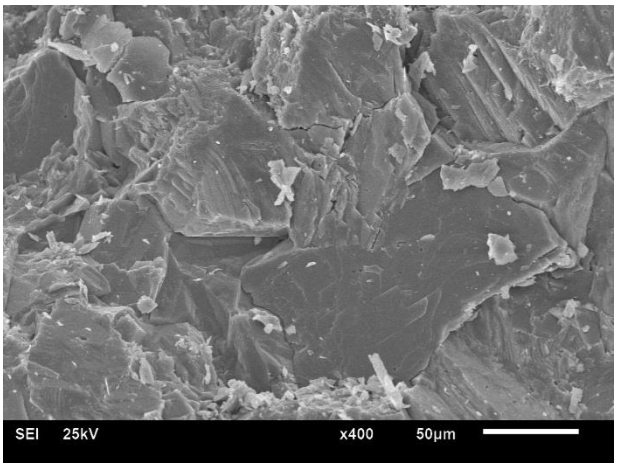
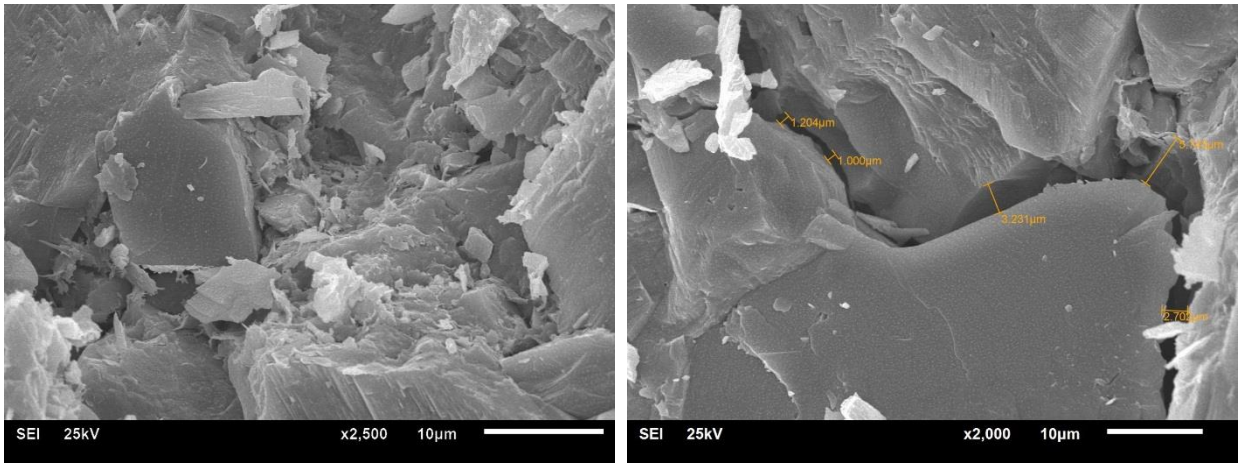


Table 1, Figure 2 and Graph 1. EDS from the showcased region in Figure 2. This is employed as the benchmark EDS where we can conclude that the majority of the mineral composition of the rock present in the core is Dolomite.



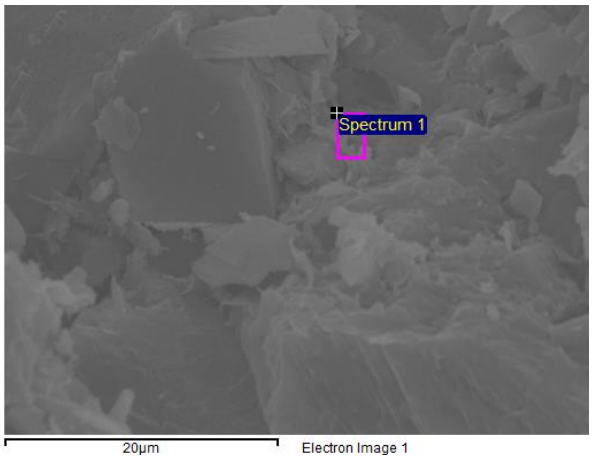


Figures 3 (left) x 4000 magnification showcasing some distinct features, the small diamond on the upper left was found to be Potassium Feldspar, and 4 (Right) x 400 magnification image showing fractures present (hairline like dark lines).



Figures 5 (left) x 2500 magnification image revealing the presence of some small amounts of clay the presence of this clay may hint to a water wet nature for the rock, Figure 6 (right) x 2000 magnification image of a clean fracture with relevant measurements.

Element	App Conc.	Intensity Corrn.	Weight%	Weight% SIgma	Atomic%
C K	3.22	0.2697	29.18	1.76	40.69
O K	3.82	0.2109	44.33	1.35	46.39
Mg K	0.99	0.4928	4.92	0.19	3.39
Al K	0.23	0.5750	0.96	0.08	0.60
Si K	0.71	0.6952	2.49	0.11	1.49
Cl K	0.09	0.7096	0.30	0.05	0.14
K K	1.73	0.9907	4.27	0.15	1.83
Ca K	4.41	0.9022	11.96	0.37	5.00
Fe K	0.51	0.7932	1.57	0.17	0.47
Totals			100.00		



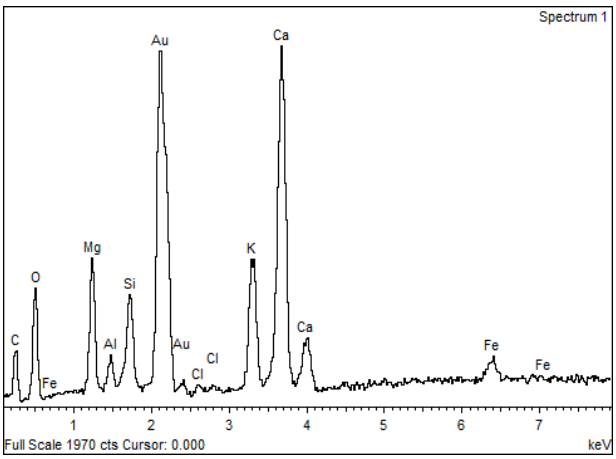
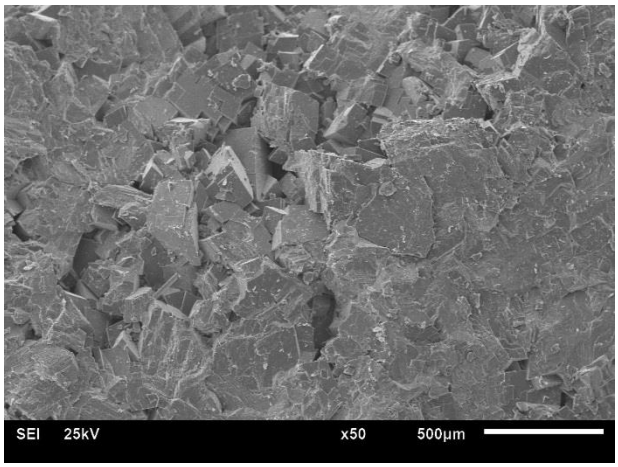


Table 2, Figure 5 and Graph 2. EDS from the showcased region in Figure 5.The EDS confirms the presence of the small amounts of Clay, in particular illite.

Core 2 SEM and EDS



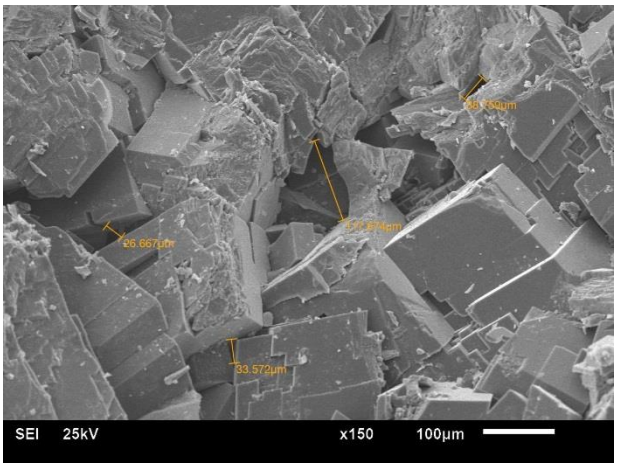
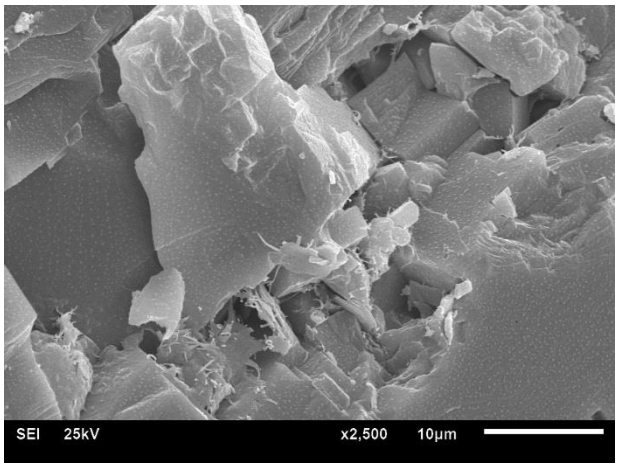


Figure 7 (left) x 50 magnification some small pores can be observed very tight formation, and Figure 8 (right) x 150 magnification measured pores.



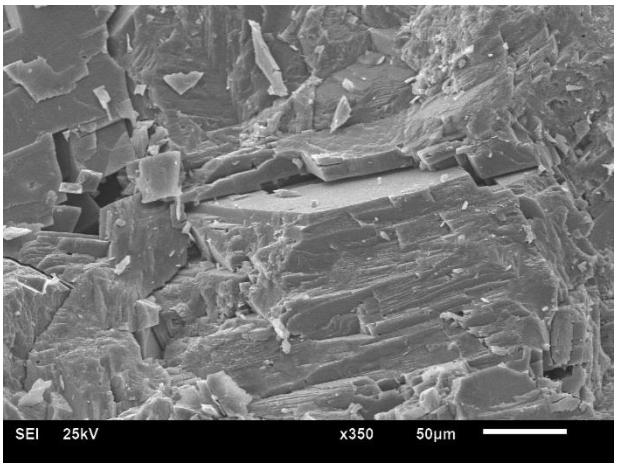
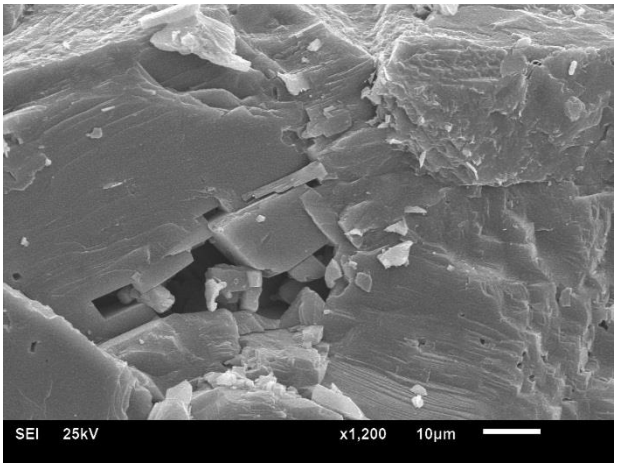


Figure 9 (left) x 2500 magnification this image reveals once again the presence of really small amounts of Illite clay, and Figure 10 (right) x 350 magnification we can observe more fractures and pores down the middle.



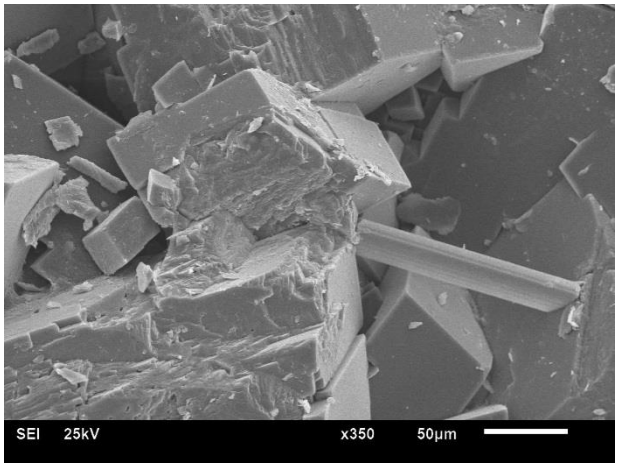
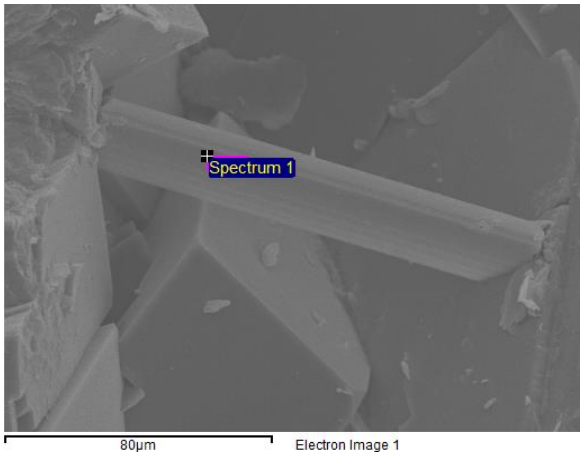


Figure 11 (left) x 1200 times magnification close up of pore features in the formation, and Figure 12 (right) inset of other prevalent features, the long xtal laying on the right was analyzed by EDS.

Element	App Conc.	Intensity Corrn.	Weight%	Weight% Sigma	Atomic%
C K	2.64	0.1424	31.39	1.53	47.44
O K	2.43	0.1474	27.99	1.25	31.76
Mg K	0.73	0.5324	2.31	0.12	1.73
Al K	0.09	0.6465	0.23	0.06	0.15
S K	7.14	0.8174	14.79	0.42	8.37
Ca K	12.29	0.8940	23.29	0.63	10.55
Totals			100.00		



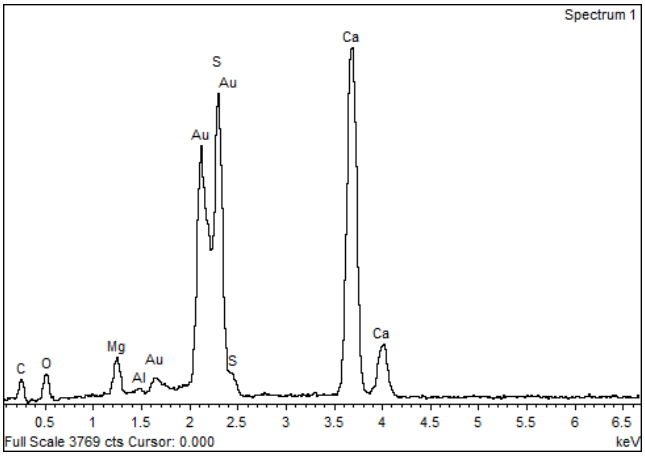


Table 3, Figure 12 inset and Graph 3. EDS from the showcased region in Figure 12 inset.The EDS revealed that to be a crystal of anhydrate.

Core 3 SEM and EDS

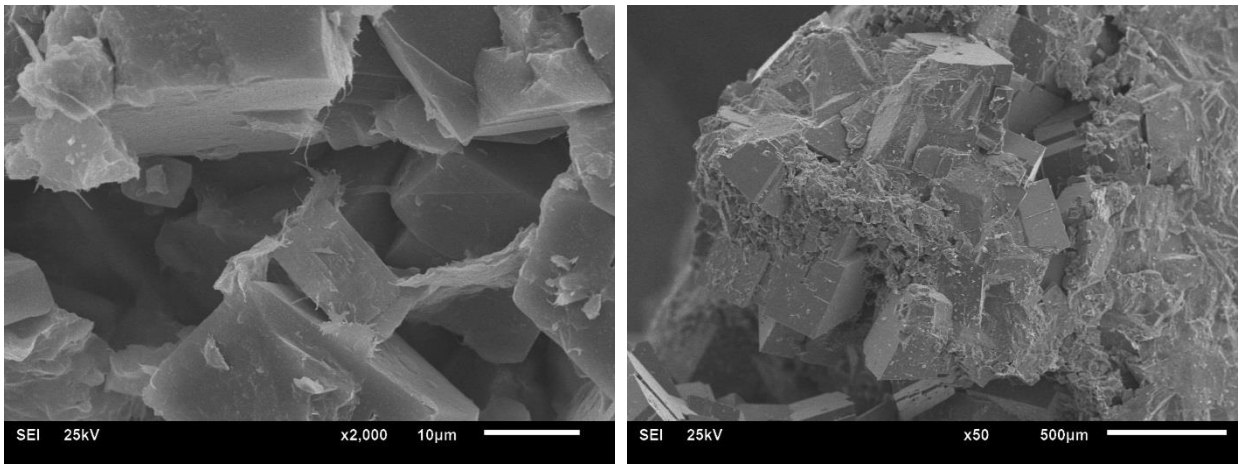
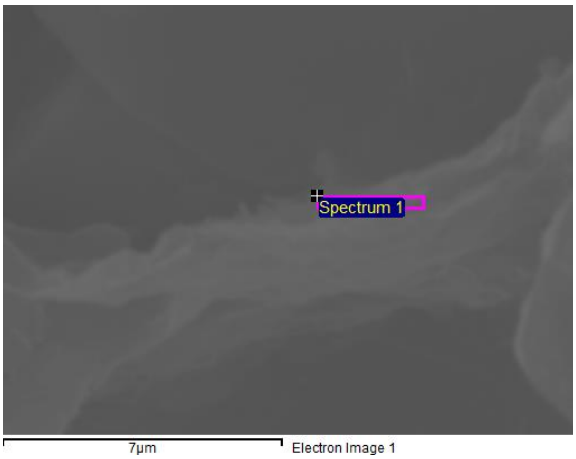


Figure 13 (left) x 2000 magnification image we can observe the presence of some clay once again as well as the presence of some carbon, and Figure 14 (right) x 50 magnification this reveals the presence of more pores.

Element	App Conc.	Intensity Corrn.	Weight%	Weight% Sigma	Atomic%
C K	22.01	0.2046	22.07	0.84	29.99
O K	93.10	0.3267	58.48	0.67	59.66
Na K	0.28	0.4434	0.13	0.05	0.09
Mg K	4.65	0.4848	1.97	0.05	1.32
Al K	12.35	0.6023	4.21	0.07	2.55
Si K	20.49	0.6772	6.21	0.09	3.61
Cl K	1.16	0.6685	0.36	0.02	0.16
K K	6.84	0.9425	1.49	0.03	0.62
Ca K	19.66	0.8979	4.49	0.07	1.83
Fe K	2.33	0.8001	0.60	0.03	0.17
Totals			100.00		



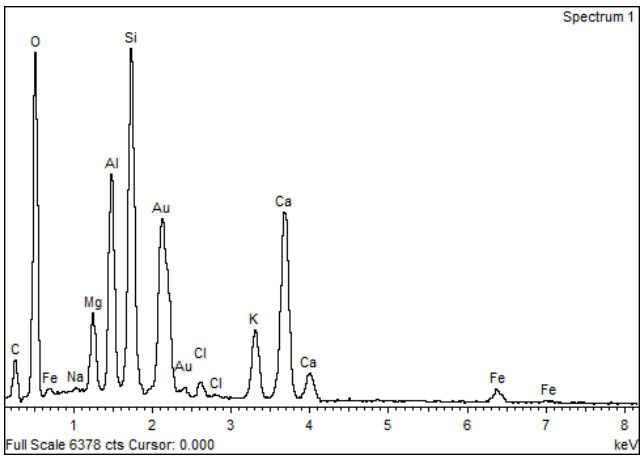
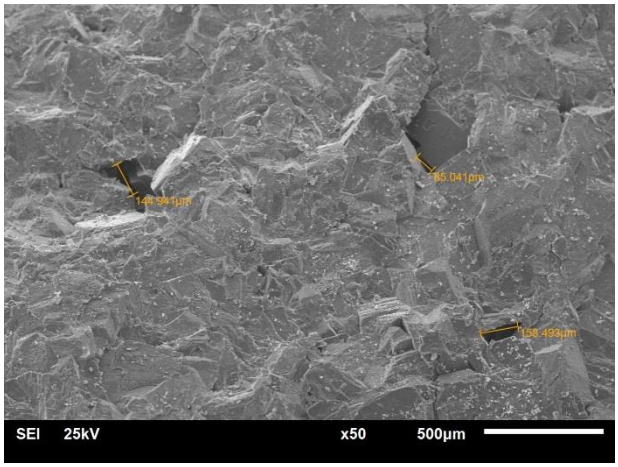


Table 4, Figure 13 inset and Graph 4. EDS from the showcased region in Figure 13 inset.The EDS revealed the presence of some clay and some carbon.



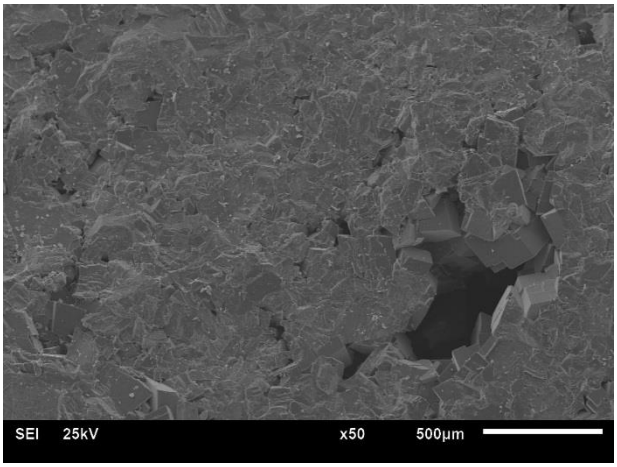
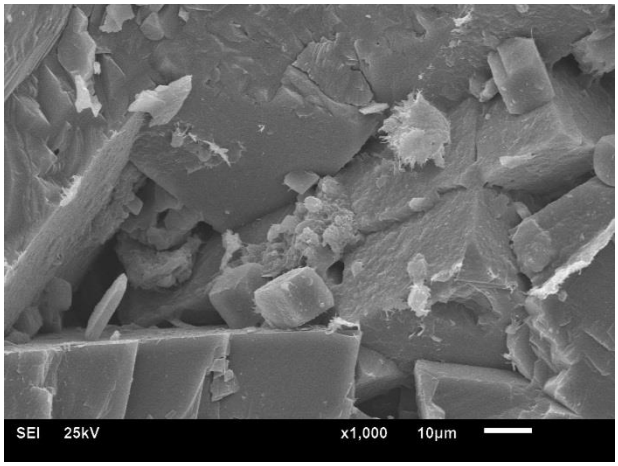


Figure 15 (left) x 50 magnification presence of representative pores with measurements, and Figure 16 (right) x 50 magnification once again presence of various pores, this image also provides insight towards the possibility of pore connectivity.



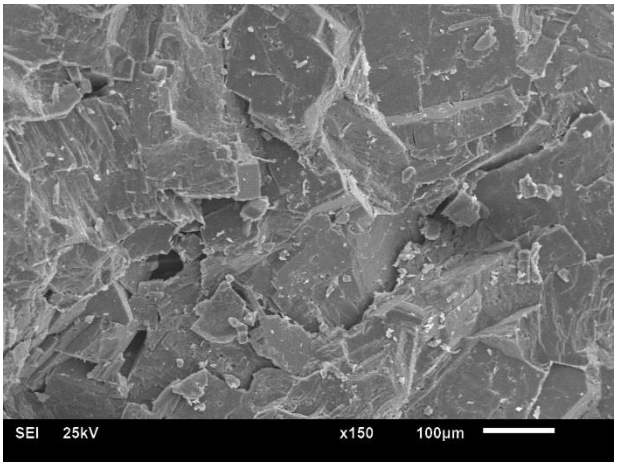
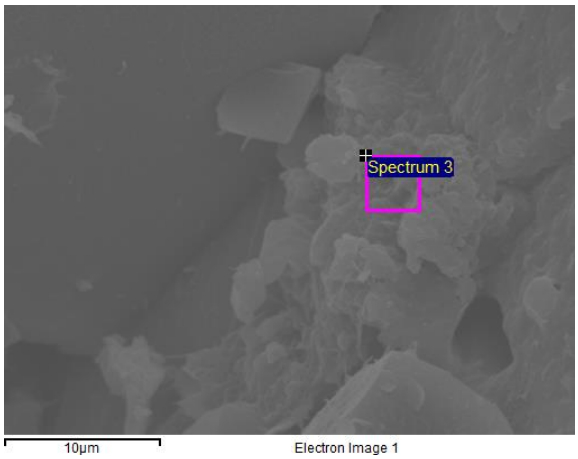


Figure 17 (left) x 1000 magnification allows us to se some other minerals present scattered on the surface and EDS was also obtained, and Figure 18 (right) x 150 magnification showcases fractures also present once more.

Element	App Conc.	Intensity Corrn.	Weight%	Weight% Sigma	Atomic%
C K	15.87	0.1945	35.94	2.23	47.39
O K	20.47	0.2056	43.84	1.78	43.39
Mg K	0.84	0.5079	0.73	0.11	0.48
Al K	0.80	0.6415	0.55	0.08	0.32
Si K	1.37	0.7628	0.79	0.09	0.44
S K	14.72	0.7911	8.20	0.36	4.05
K K	0.34	0.9489	0.16	0.05	0.06
Ca K	20.03	0.9013	9.79	0.40	3.87
Totals			100.00		



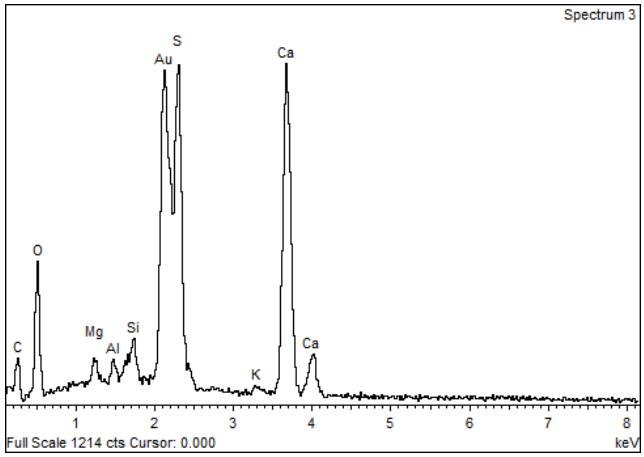


Table 5, Figure 17 inset and Graph 5. EDS from the showcased region in Figure 17 inset.The EDS of the area corresponds to anhydrate.

Core 4 SEM, EDS and Elemental Map

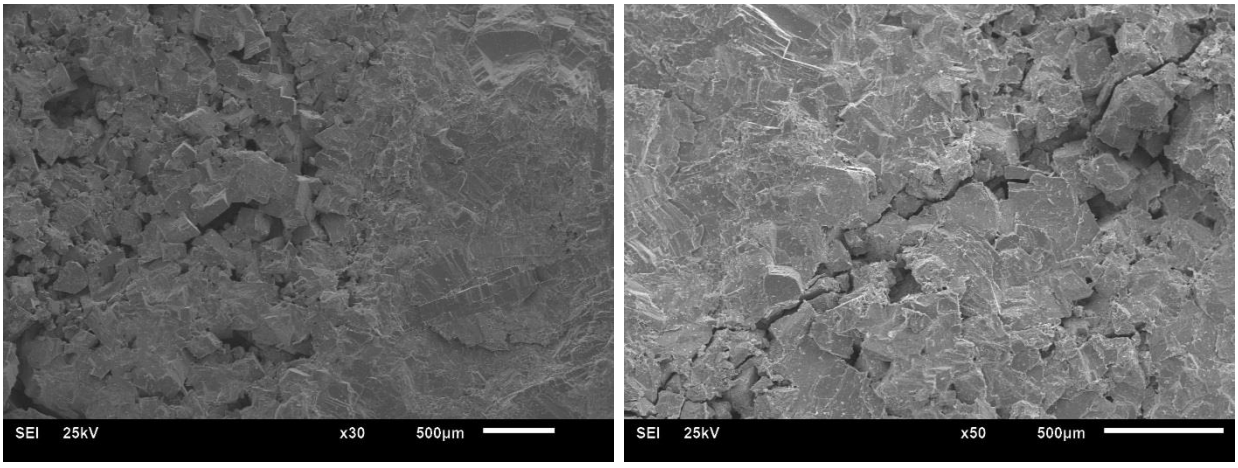


Figure 19 (left), x 30 Magnification lots of pores, observation of two different type of surfaces, dolomite on the left and gypsum on the right EDS was obtained as well as an element distribution map, Figure 20 (right) x 50 magnification image showcasing pores and fractures.

Element	App Conc.	Intensity Corrn.	Weight%	Weight% Sigma	Atomic%
C K	10.28	0.1502	49.24	2.13	66.72
O K	3.39	0.1343	18.17	1.99	18.48
S K	18.17	0.8461	15.45	0.69	7.84
Ca K	21.14	0.8879	17.13	0.75	6.96
Totals			100.00		

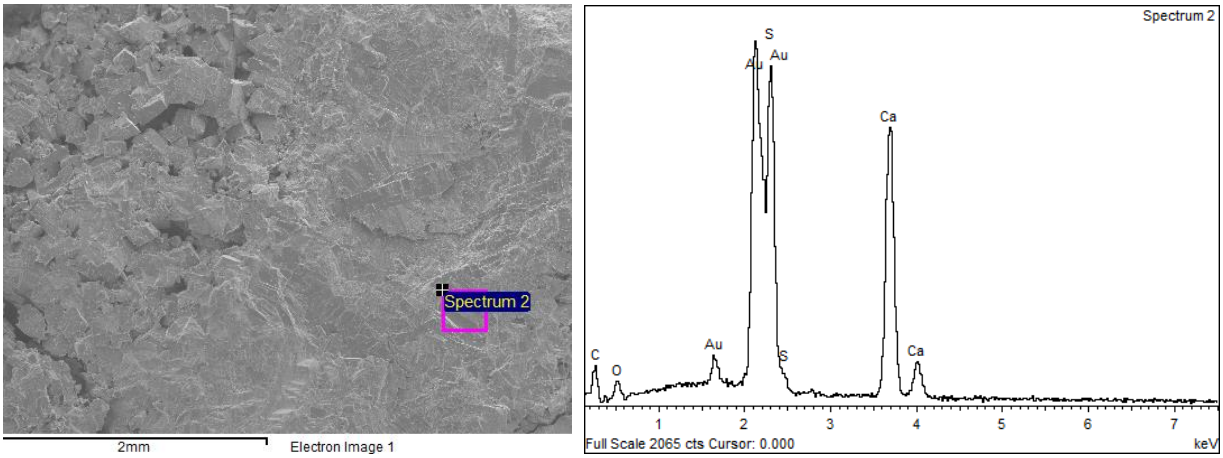
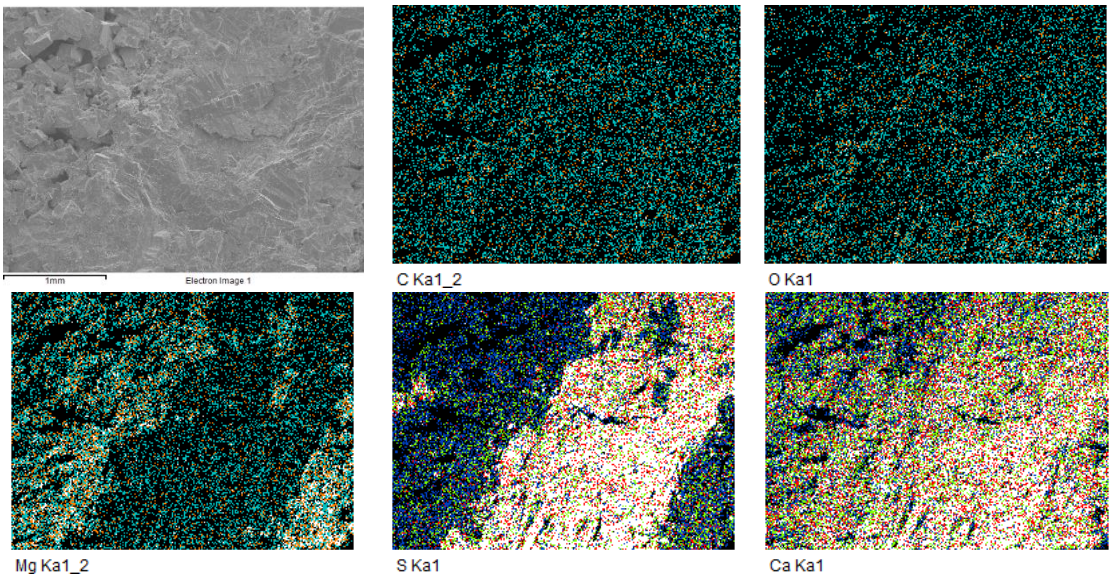


Table 6, Figure 19 and Graph 6. EDS from the showcased region in Figure 19.The EDS of the area corresponds to anhydrate.



Clockwise from top left Figure 19 SEM used for element mapping analysis, Figure 21 distribution of carbon in the area, Figure 22 distribution of oxygen in the area, Figure 23 ditribution of magnesium in the area, Figure 24 distribution of sulfur in the area, and Figure 25 presence of calcium in the area. The Elemental Map confirms the presence of ana anhydrate vein, area with high sulfur concentrations (Figure 24).

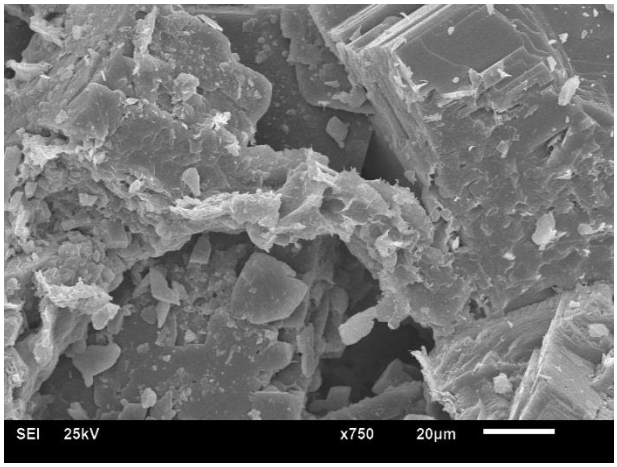


Figure 26 x 750 magnification image showing presence of Illite clay and pores.

Anhydrate Solubility Testing.

Two anhydrate samples were obtained from the vein in Core 4. The samples were rolled in distilled water for 40 h at 76 °C.



Figure 27 Pictures of anhydrate sample 1, and Figure 28 pictures of anhydrate sample 2 before the solubility test

Sample No.	Initial Weight	Final Weight	% Change
1	2.4033	2.1433	10.8 %
2	2.0121	1.7852	11.3 %

Table 7. Results from solubility test of anhydrate samples



Figure 29 Pictures of anhydrate sample 1, and Figure 30 pictures of anhydrate sample 2 after the solubility test

From the solubility test we can observe that about 10 % of the anhydrate dissolved after 40 h at 76 °C, the water employed in the test was sent out foranalysis. The results were as expected with the only ions present in representative amount being calcium and sulfate.

Conclusions

The SEM images and EDS analysis results help confirm that the rock formation is mostly Dolomite with veins of anhydrate. The small amounts of clay present was confirmed to be Illite, the presence of the clay hints at the rock having a water wet nature. The images revealed the presence of pores and fractures throughout the core, however this appears to be a tight formation.

The anhydrate soilubility analysis points at the possibility of some of the anhydrate to dissolve (≈ 10%) this should be taken into consideration when developing the drrilling fluid formulation.

Brad Moser
Contracts Analyst
587.476.4628 Tel
bradley.j.moser@esso.ca

June 16, 2015

Alberta Energy Regulator
3545 Research Way NW
Calgary, Alberta
T2L 1Y7

Attention: Susan Co

Via Email

RE: Core Sampling and Testing
Bonnie Glen Area, Alberta

I hereby give permission for Blackspur Oil Corp. ("Blackspur") to conduct detailed (small plug) analysis on our core that is stored at the AER facility for the following locations:

Core	Depth
100/14-36-046-28W4	6320 – 6435 feet
100/03-20-047-27W4	6030 – 6167 feet

Blackspur plans to cut up to four 1" plugs from the Nisku for regain, Solubility and XRD testing.

Blackspur will provide Imperial with a copy of the analysis.

If you have any questions please contact the undersigned at (587) 476-4628.

Yours truly,

IMPERIAL OIL RESOURCES

Brad Moser
Contracts Analyst

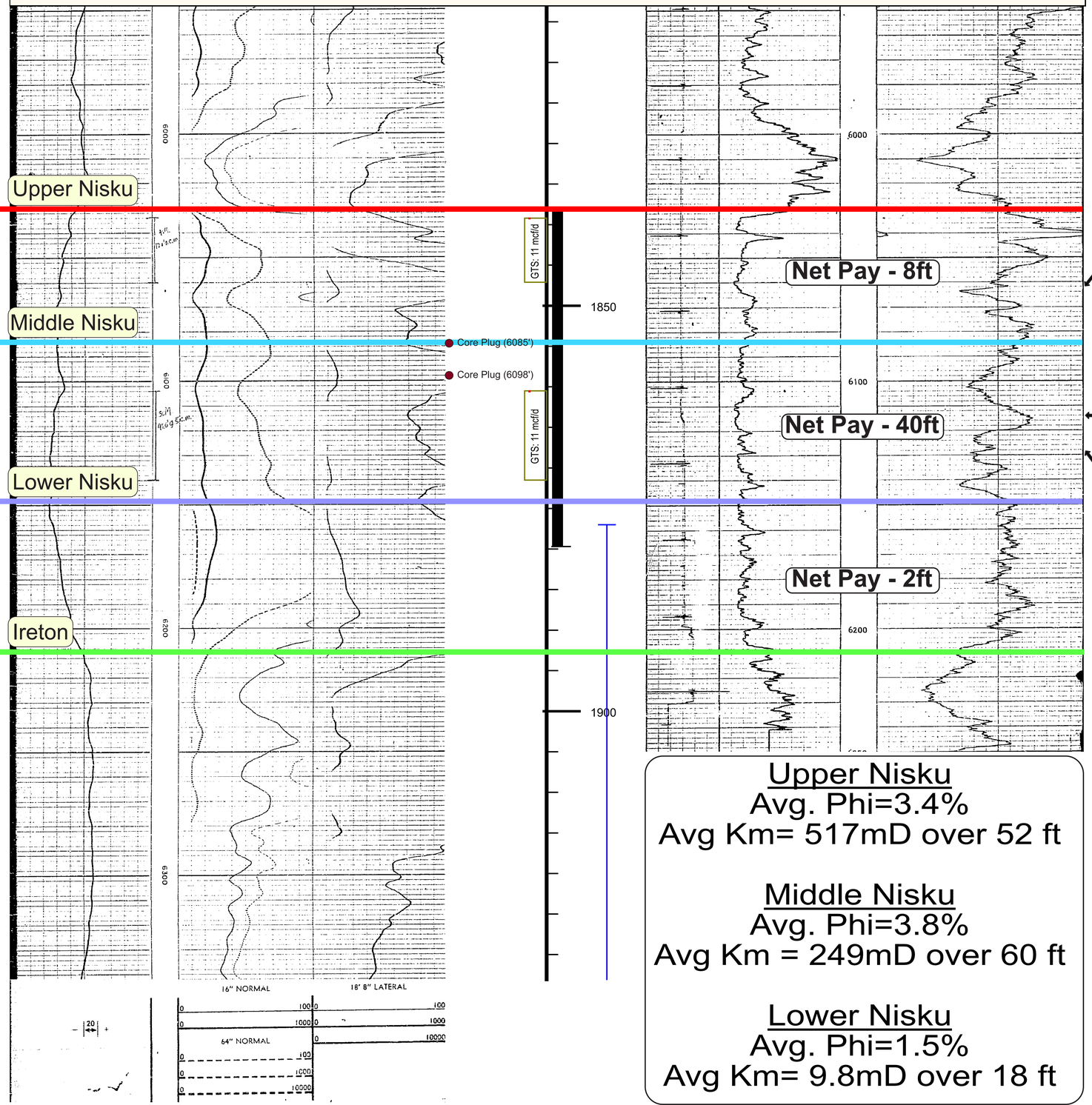
Cc: Blackspur Oil Corp. – Chris Bennet, VP Land

100/03-20-047-27W4/00

Prod./Inject. Frmtn: Dleduc
Cur Operator Name: Imperial Oil Rsrcs Ltd

Reference (KB) Elev.: +856.8

Well Status Text: ABD GAS



Upper Nisku
Avg. Phi=3.4%
Avg Km= 517mD over 52 ft

Middle Nisku
Avg. Phi=3.8%
Avg Km = 249mD over 60 ft

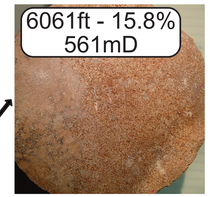
Lower Nisku
Avg. Phi=1.5%
Avg Km= 9.8mD over 18 ft

Six Basic Identified Facies of the Bonnie Glen Nisku

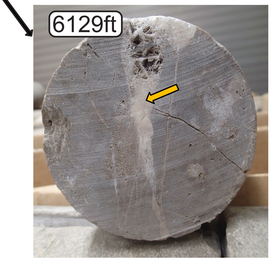
1.) Peloid/coated grain dolograinstone – present in both the upper & middle Nisku
2.) Bioturbated grain rich dolowackstone – dominant facies in the middle Nisku
3.) Bioturbated dolomudstone – dominant facies in the upper Nisku
4.) Pale brown dolomudstone – upper Nisku
5.) Grayish-green dolomudstone – upper Nisku – usually higher gamma ray than rest of facies
6.) Green mudstone filtrate – present during below sub-aerial exposure surfaces

Depositional Environment

The environment starts in a medial ramp setting in the lower Nisku and thru the lower portion of the middle Nisku. For the remainder of the middle Nisku and Upper Nisku the depo-setting was in the proximal ramp, as the Nisku was in the high-stand (with abundant carb/evaporites off to the east)



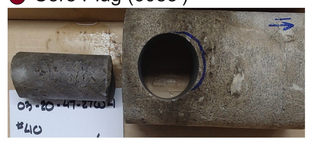
Por 15.8%
K_m 561mD, K_{90} 561mD, K_v 290mD
an anomaly in all the Nisku core viewed,
pore type small mesomolds/vugs (< 0.5mm)
probably originally a coated peloidal
grainstone of limited areal extent





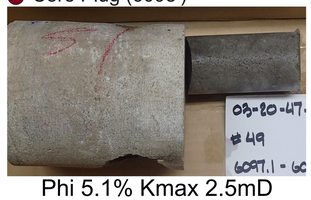
Geo-mechanical Unit
stylofractured note; vertical tensional stress fractures (green arrows) initiated off stylolite seam (red arrow)
dolomudstone, very fine crystalline, anhydrite infilling solution enlarged tensional stress fractures (yellow arrow)
03-20 drilled on structural culmination of the Bonnie Glen D2 pool

● Core Plug (6085')



Phi 5.3% Kmax 24mD
Peloid dolowackestone

● Core Plug (6098')



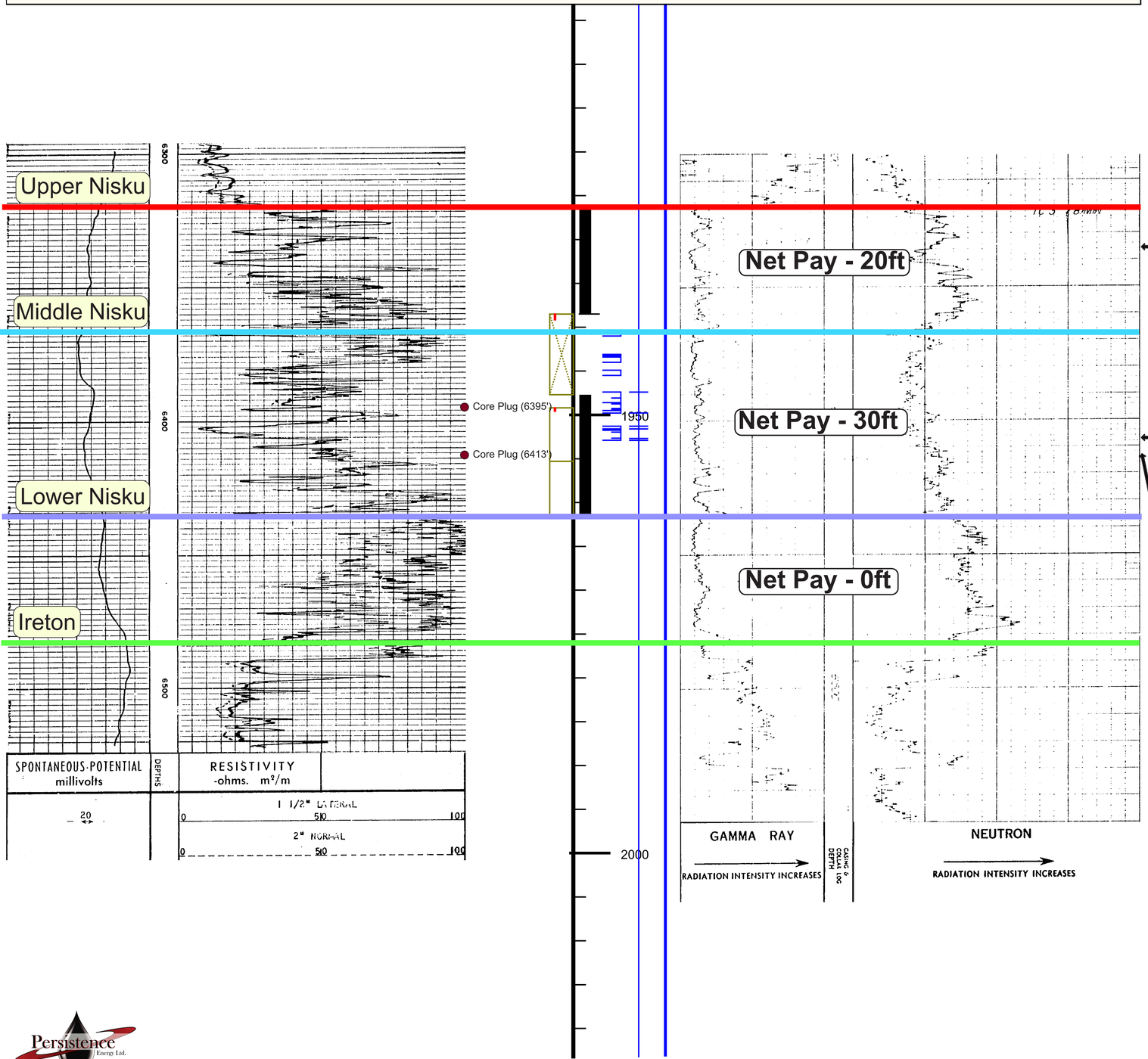
Phi 5.1% Kmax 2.5mD
Peloidal-rich dolowackestone

100/14-36-046-28W4/00

Prod./Inject. Frmtn: Dleduc — Reference (KB) Elev.: +903.7

Cur Operator Name: Imperial Oil Rsrcs Ltd

Well Status Text: ABD Zn OIL

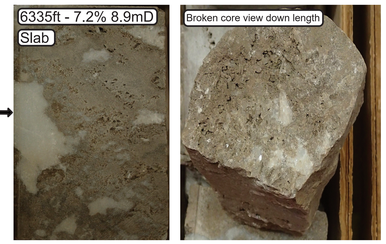


Six Basic Identified Facies of the Bonnie Glen Nisku

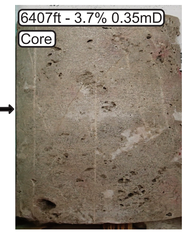
1.) Peloid/coated grain dolograinstone – present in both the upper & middle Nisku
2.) Bioturbated grain rich dolowackstone – dominant facies in the middle Nisku
3.) Bioturbated dolomudstone – dominant facies in the upper Nisku
4.) Pale brown dolomudstone – upper Nisku
5.) Grayish-green dolomudstone – upper Nisku – usually higher gamma ray than rest of facies
6.) Green mudstone filtrate – present during below sub-aerial exposure surfaces

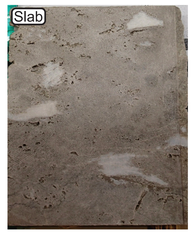
Depositional Environment

The environment starts in a medial ramp setting in the lower Nisku and thru the lower portion of the middle Nisku. For the remainder of the middle Nisku and Upper Nisku the depo-setting was in the proximal ramp, as the Nisku was in the high-stand (with abundant carb/evaporites off to the east)

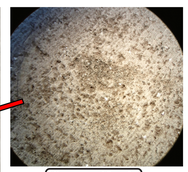


Mainly small with large mesovugs
poor interconnection of pores
visually there is 8-12% porosity





Fine crystalline peloid/coated grain dolowackestone, anhydrite cement plugging both solution enlarge molds and channels; pores are solution enlarged molds, very fine intercrystal, & tensional stress cracks; visually porosity is 6-8% with K <10mD



Core sample for perm regain
peloid coated grain rich bioturbated wackestone, anhydrite filled dissolution channels & fractures, pore types in this facies are commonly small mesovugs (pinpoint) and micro intercrystal pores, minor sol'n enlarged TSF's, visually there is 6-8% porosity

● Core Plug (6395')



Phi 6.3% Kmax 7.7 mD
Peloid dolowackstone

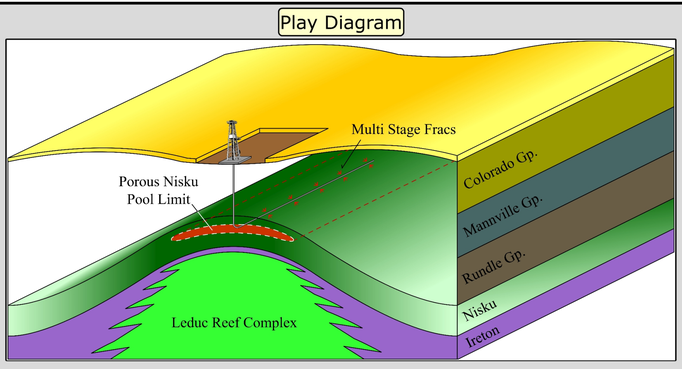
● Core Plug (6413')



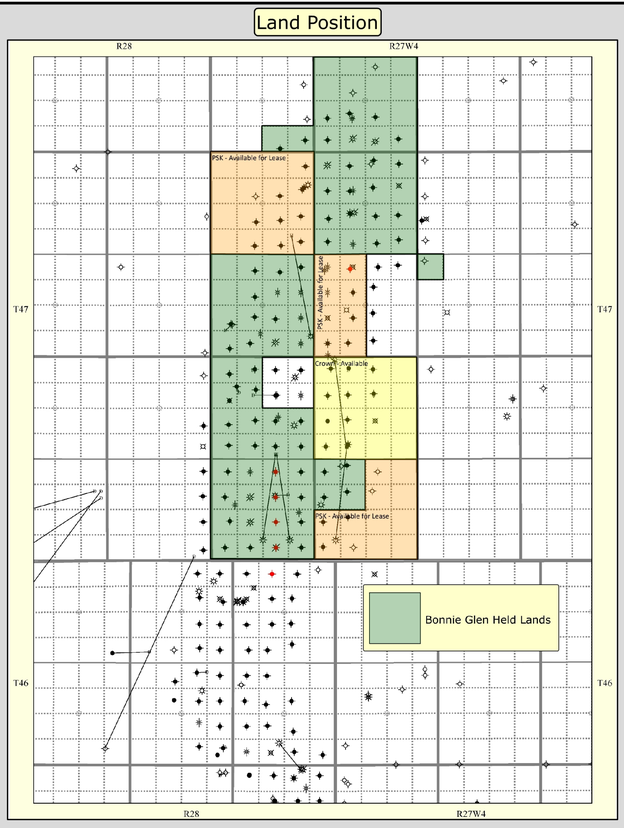
Phi 4.6% Kmax 4.8 mD
Peloid-rich dolowackstone

Bonnie Glen
Nisku Oil Play

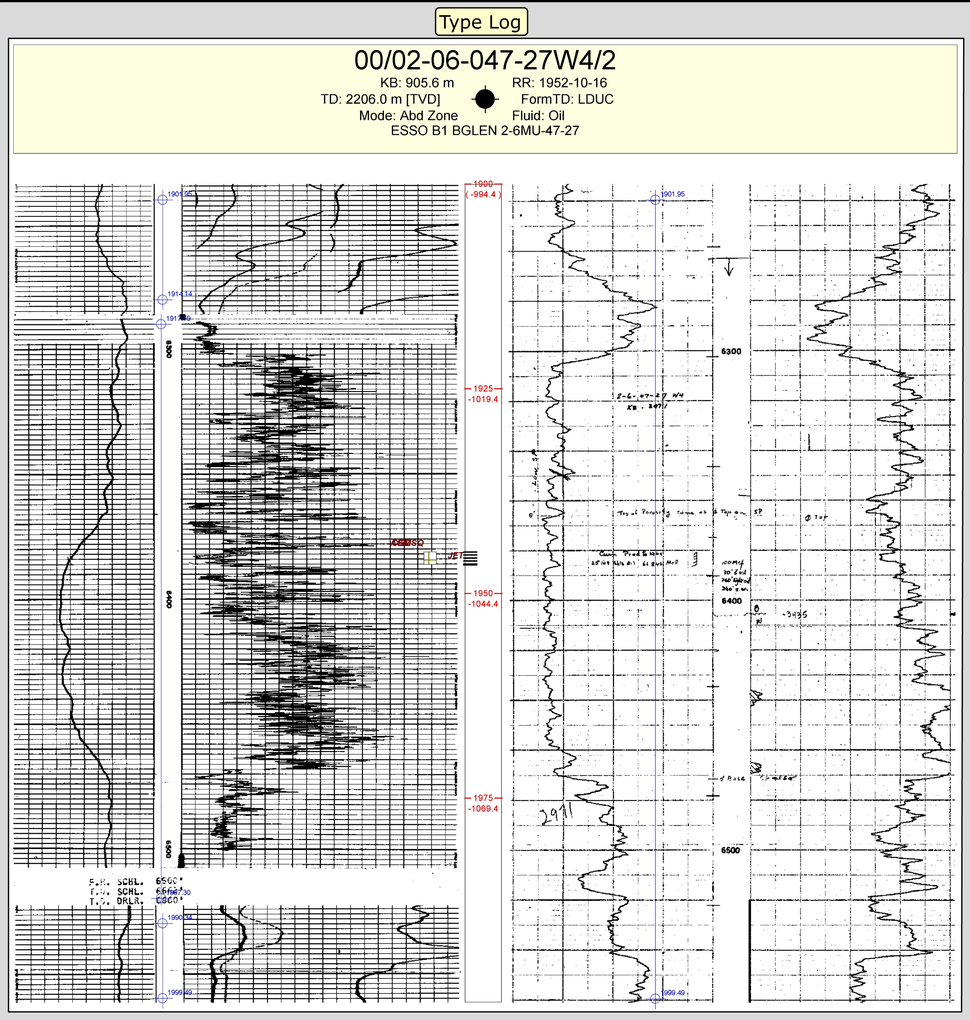
Play Diagram



Land Position



Type Log



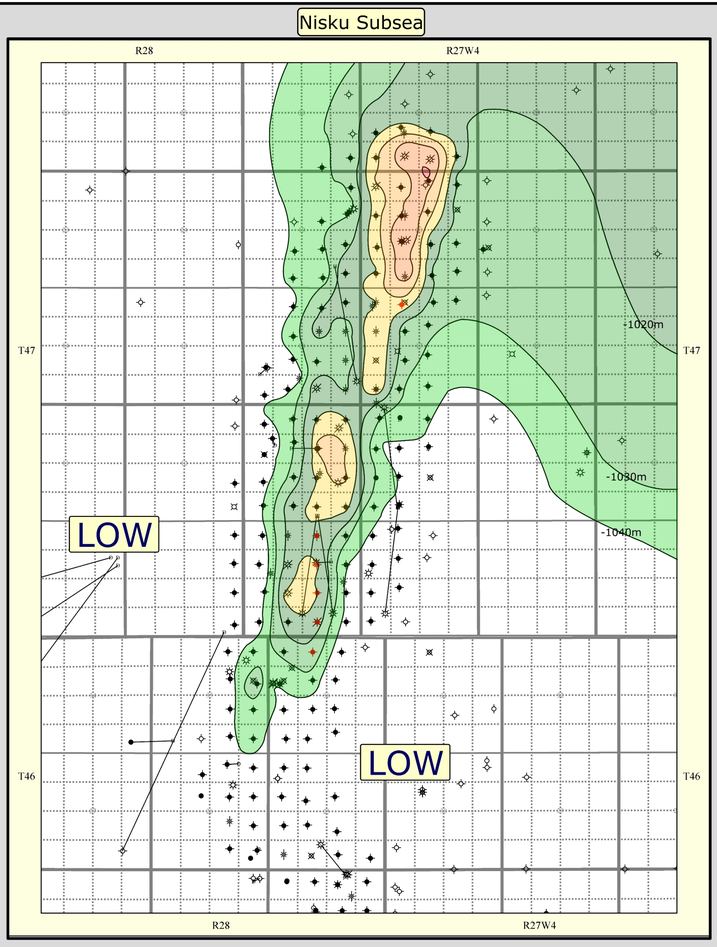
The Play in Brief

- 50% working interest in 5.2 sections of land. 3.5 sections of land available for lease
- 4 original vertical wells on play produced 70,000 barrels of oil
- Potential for 14-16 horizontal locations
- CapEx of $3.8MM ($1.9MM net)/well to drill, case and complete
- Wells capable of over 250 Bopd initially of light 42 API crude from the Nisku
- Water cuts decline over time as bound water in the porous spaces come to surface
- 25M barrels of original oil in place and with a 30% recover factor gives 7.5M barrels of recoverable oil in place
- Independent engineering report gives a proved undeveloped reserve basis of 232,000 barrels of oil and 1.6 Bcf of gas per well. Proved plus probable jumps that number up to 297,000 barrels of oil and 2 Bcf of gas
- Look-a-like play to the north in Leduc-Woodbend:
  - Average initial production of 225 Bopd with latest results showing initial productions in the 300 to 500 Bopd

DST/Production

UWI	DST Top	DST Bottom	DST	Perf Top	Perf Bottom	Production	Notes
00/15-24-46-28w4	-1077	-1089	SW				
00/16-35-46-28w4	-1031	-1040	G				
	-1043	-1051	G, M				
00/13-36-46-28w4	-1031	-1046	SW				
00/14-36-46-28w4	-1035	-1044	G	-1037	-1049	68opd, 10mcf/d, Neg.Bowp: 6597BO, 11291MCF, 42BW	1958-1962 (37mo)
	-1046	-1051	O				
	-1052	-1058	O, G				
00/03-05-47-27w4	-1062	-1077	SW				
00/01-06-47-27w4	-1033	-1048	SW				Not really in zone.
00/02-06-47-27w4	-1038	-1066	O, W, G	-1039	-1041	58opd, 15mcf/d, 18owpd: 27603BO, 73681MCF, 3082BW	Prod 1958-1965 [81mo]
	-1038	-1051	O, W, G				
00/03-06-47-27w4	-1032	-1047	W, G				
00/07-06-47-27w4	-1030	-1048	M, G	-1024	-1039	68opd, 33mcf/d, 0.78owpd: 24974BO, 16944MCF, 121BW	Om log, G/O:-1036, O/W:-1048 Prod 1958-1969 [130mo]
00/10-06-47-27w4				-1041	-1044	2.5bopd, 25mcf/d, Neg.Bowp: 2726BO, 23266MCF, 82BW	1958-1962 (37mo)
00/15-06-47-27w4				-1037	-1041	48opd, 39mcf/d, 88owp: 1208O, 1505MCF, 248BW	Spot low hrs, Jan-Feb 2000, RDP 1777Psia - DP 1820Psia
00/16-06-47-27w4	-1008	-1023	GCM				
	-1032	-1048	GCM				
00/09-07-47-27w4	-1016	-1020	G, GCM				
00/03-08-47-27w4							MR
00/12-08-47-27w4	-1038	-1050	WCM				
	-1051	-1060	SW				Log had H2S on it.
00/13-08-47-27w4	-1027	-1045	M				
	-1049	-1062	WCM				
00/14-08-47-27w4	-1067	-1090	SW				
00/13-09-47-27w4	-1063	-1071	SW				Very bad log.
00/06-17-47-27w4				-1045	-1048.5		IP WTR 16.7m3/d
				-1057	-1061		IP WTR 13.6 m3/d
00/12-17-47-27w4	-998	-1006	WCM				
	-1019	-1031	M				
00/14-17-47-27w4	-1001	-1010	M				MR
	-1016	-1028	GCM				
	-1029	-1041	M				
02/14-17-47-27w4				-1018	-1021	58opd, 45mcf/d, 38bwo: 1548O, 1338MCF, 96BW	Apr 2002 96hrs
				-1022	-1026		
				-1027	-1030		
00/15-17-47-27w4	-1029	-1038	M	-1040	-1041		No production data....
				-1045	-1050		
00/07-18-47-27w4	-1022	-1041	WCM				
00/09-18-47-27w4	-1031	-1047	M, WCM, O				
00/16-18-47-27w4	-1014	-1027	WCM				
00/01-19-47-27w4	-1010	-1027	WCM				
00/03-20-47-27w4	-982	-990	G, GCM				
	-1004	-1015	G, GCM				
00/04-20-47-27w4	-1009	-1019					MR
	-1011	-1019	M, SW, G				
	-1020	-1028					MR
	-1020	-1032	M				
00/12-20-47-27w4	-1001	-1013	GCSW				
00/01-12-47-28w4	-1080	-1092	SW				
00/13-13-47-28w4	-1082	-1114	SW				

Nisku Subsea



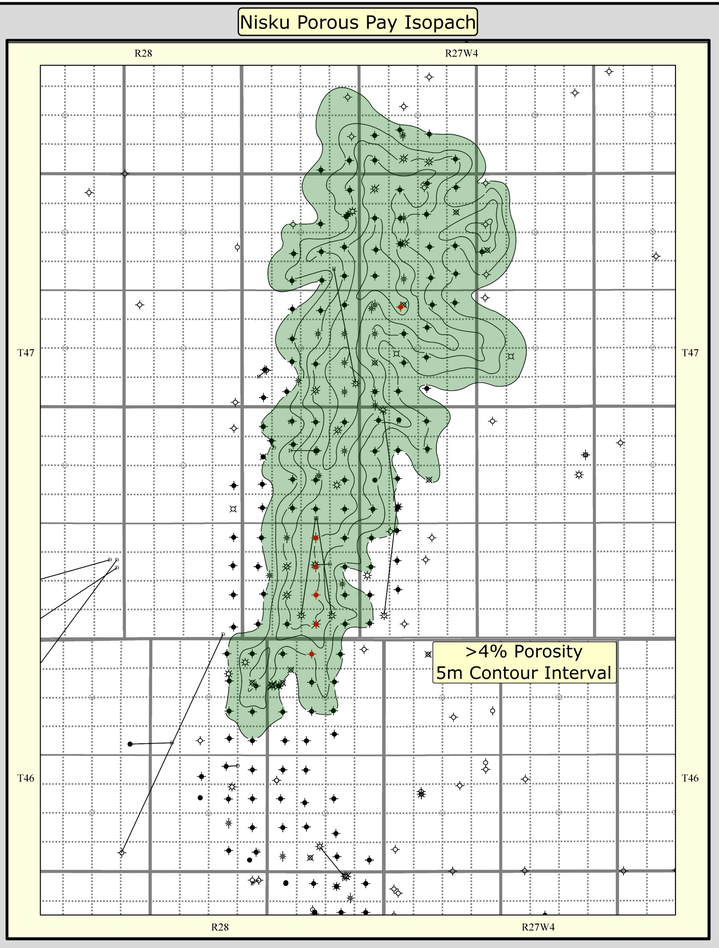
Geology in Brief

The Nisku Fm. in the Bonnie Glen area was deposited as a wide spread reef deposit enhanced by the underlying Leduc Reef. This gave the Nisku Fm. an arch shape that was able to trap hydrocarbons.

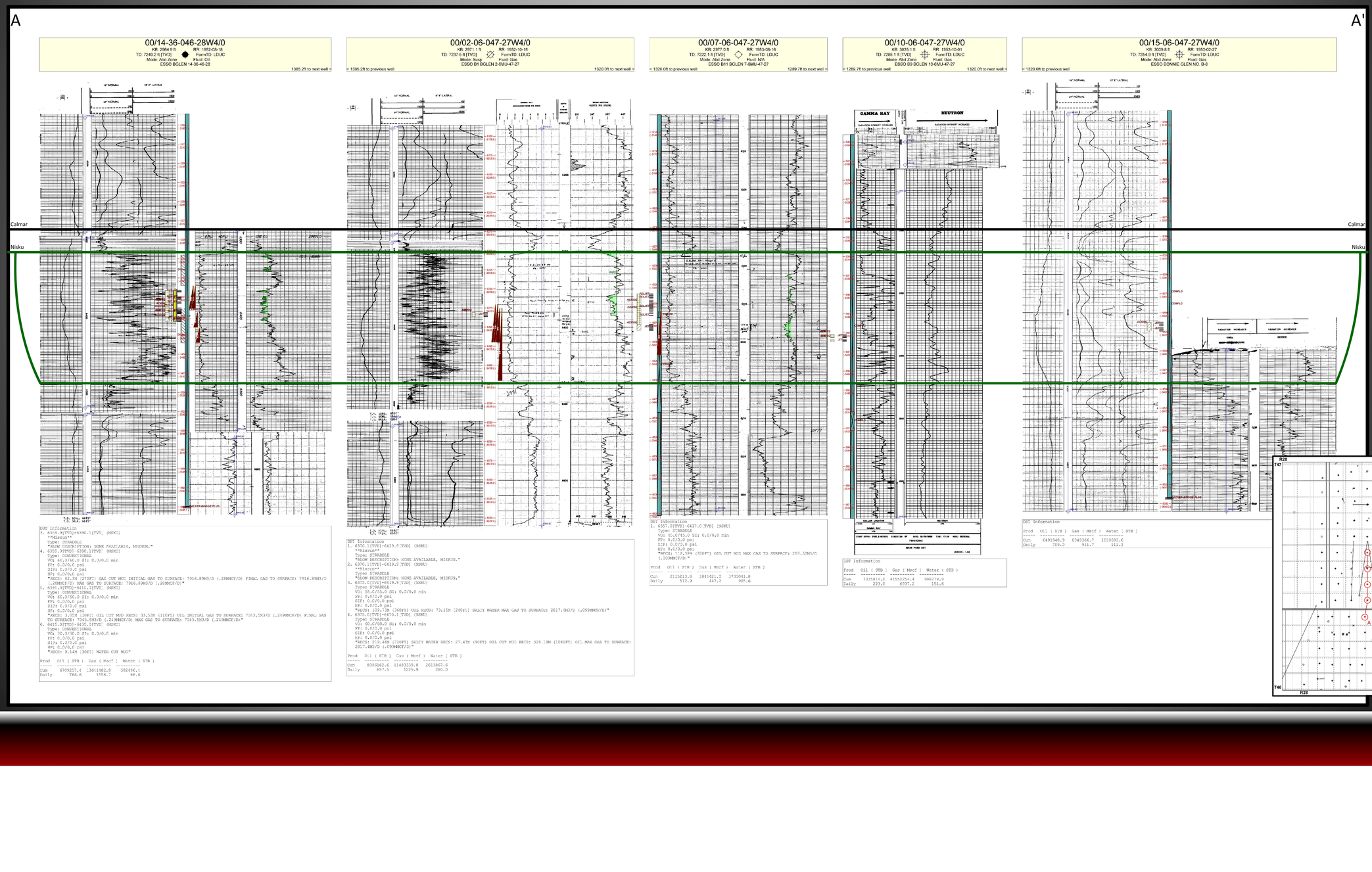
The total Nisku Fm. thickness is approximately 55m. The majority of the porosity occurs in the middle and upper zone and is in the form of vugs and molds. Loosely defined as a bioturbated wackestone, the Nisku is punctuated by stress fracturing assisting in the movement of hydrocarbons within the formation. Dolomitization of the Nisku limestone occurred after deposition.

Core analysis has shown observed average porosities from 3.4% to 4.9% and 4.4 mD to 517mD of permeability in the two cored wells. Visual observation of the cores has seen porosities spike from 8% to 12% underlying the importance of using horizontal drilling and completion techniques to maximize recoveries as NEP has done with great success in Leduc-Woodbend to the north.

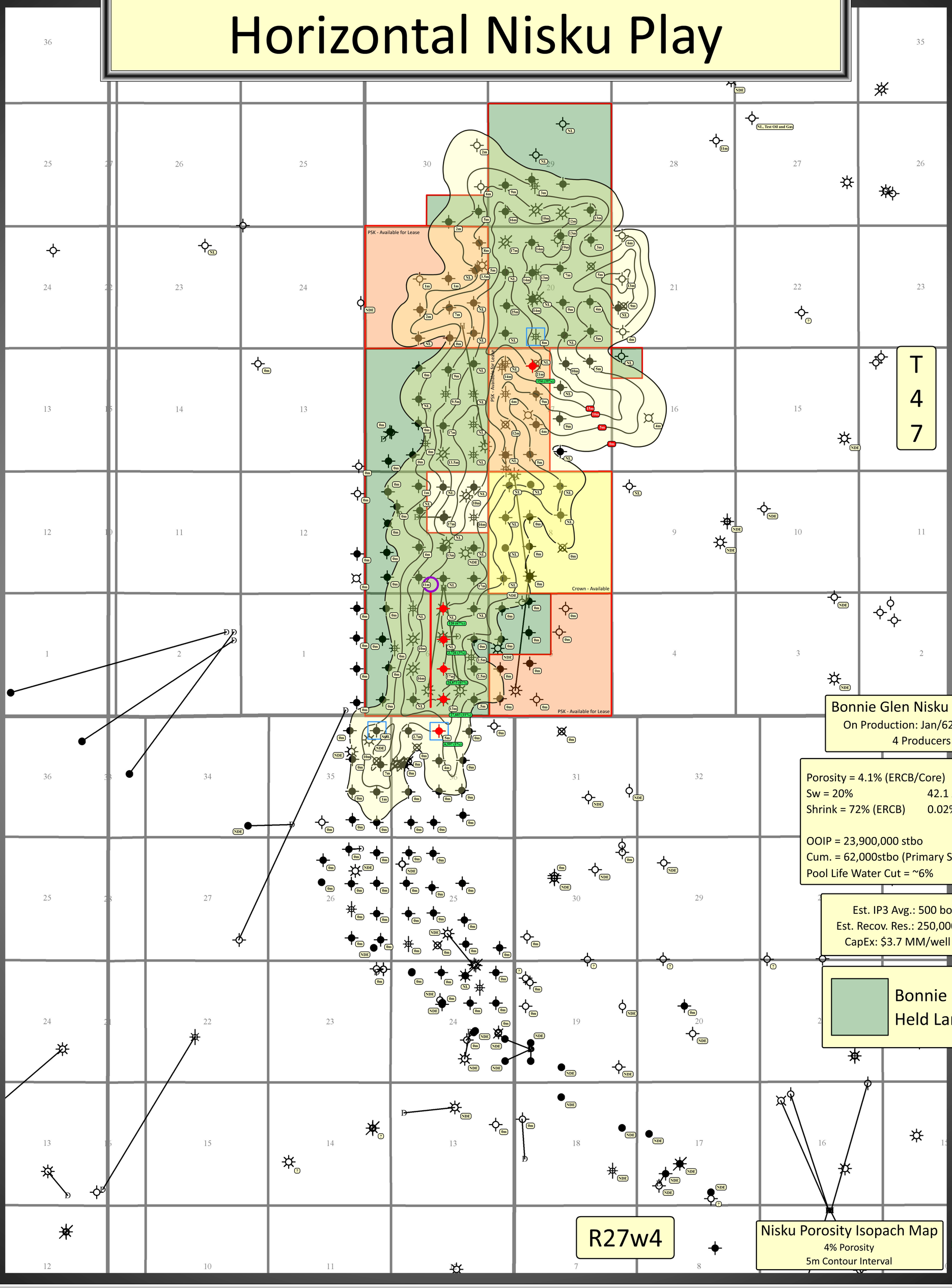
Nisku Porous Pay Isopach



Bonnie Glenn
Stratigraphic Cross Section

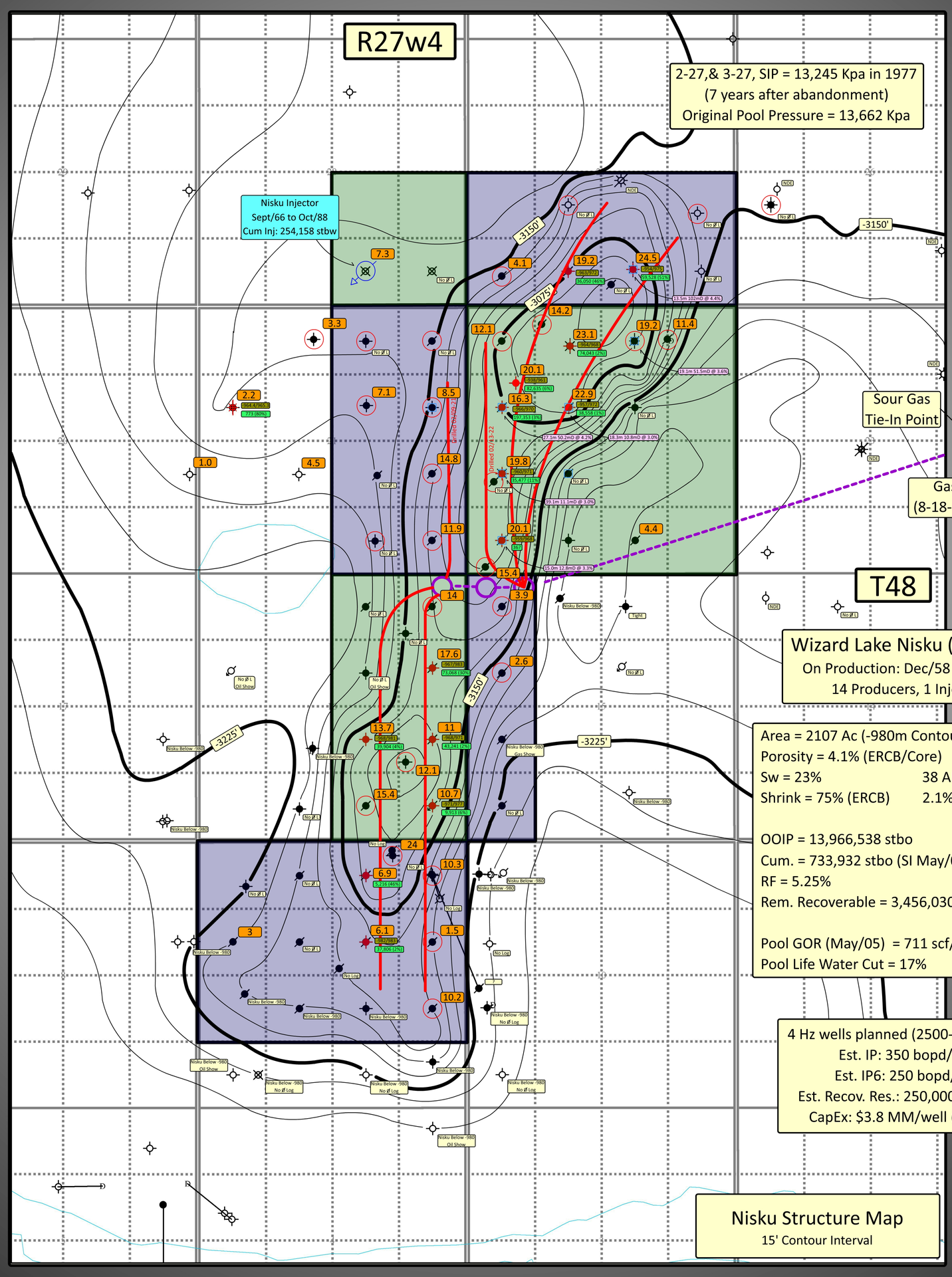


Bonnie Glen
Horizontal Nisku Play



2031373 Alberta Ltd., July 2018

Wizard Lake
Nisku Structure Map



Encana (Fee)

Wizard Held Lands

Proposed Hz Pad Location

Nisku Cores (with Wt. Avg. Analysis)

Former Nisku Producer

Well Containing Pay But Not Completed

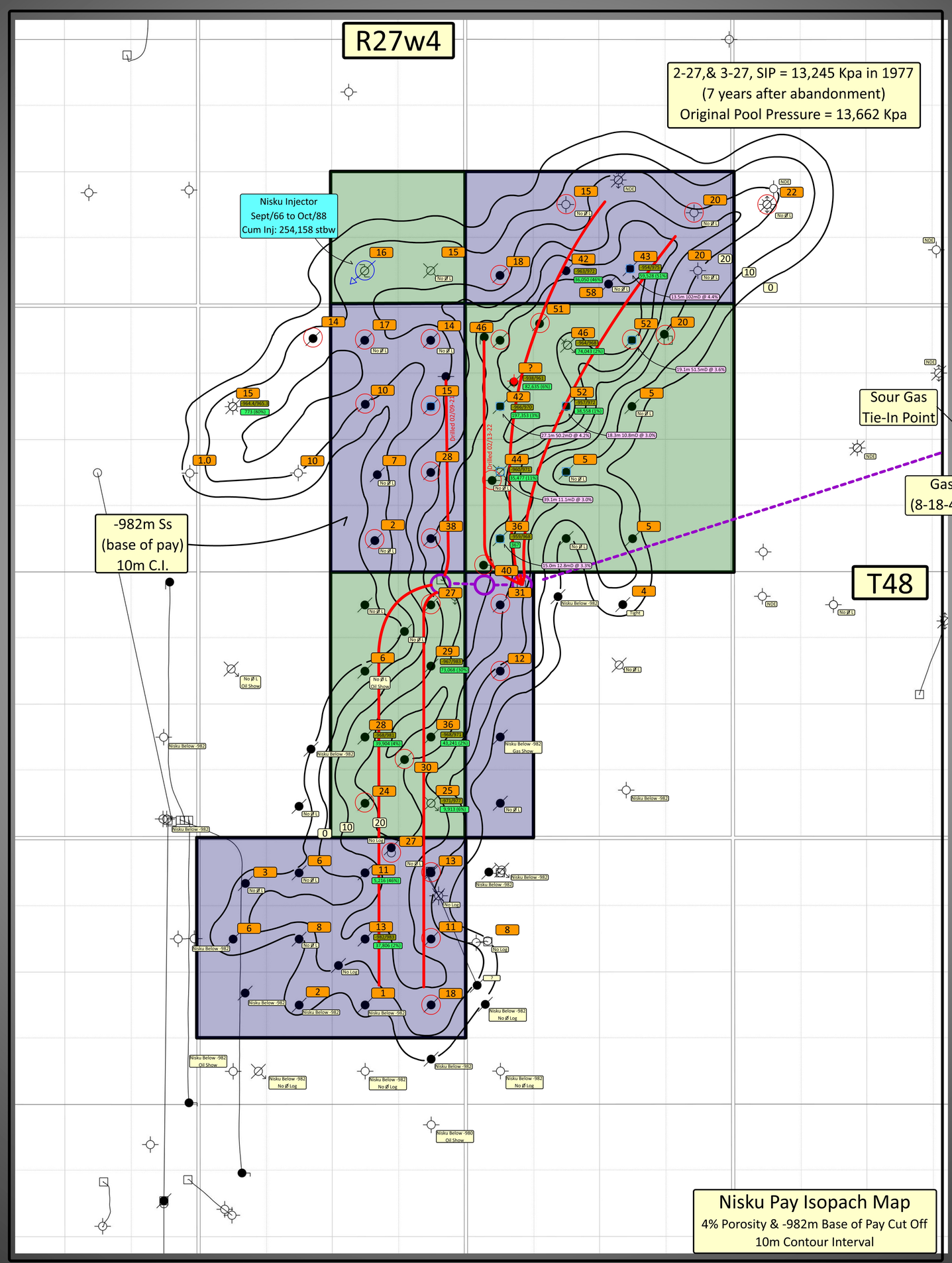
10.2 Porosity Isopach

-982/983 Productive Interval (mSs) - Top/Base Perfs

37,806 (2%) Cum. Nisku Production (stbo) (Life Water Cut %)

Persistence Energy Ltd. - May 2024

Wizard Lake
Horizontal Nisku Play



PSK Lands

Wizard Held Lands

Wizard Lake Nisku (D2) Pool
On Production: Dec/58 - May/05
14 Producers, 1 Injector

Porosity = 4.1% (ERCB/Core)
Sw = 23% 37.1 API
Shrink = 75% (ERCB) 2.1% H2S

Pool GOR (May/05) = 711 scf/bbl
Pool Life Water Cut = 17%

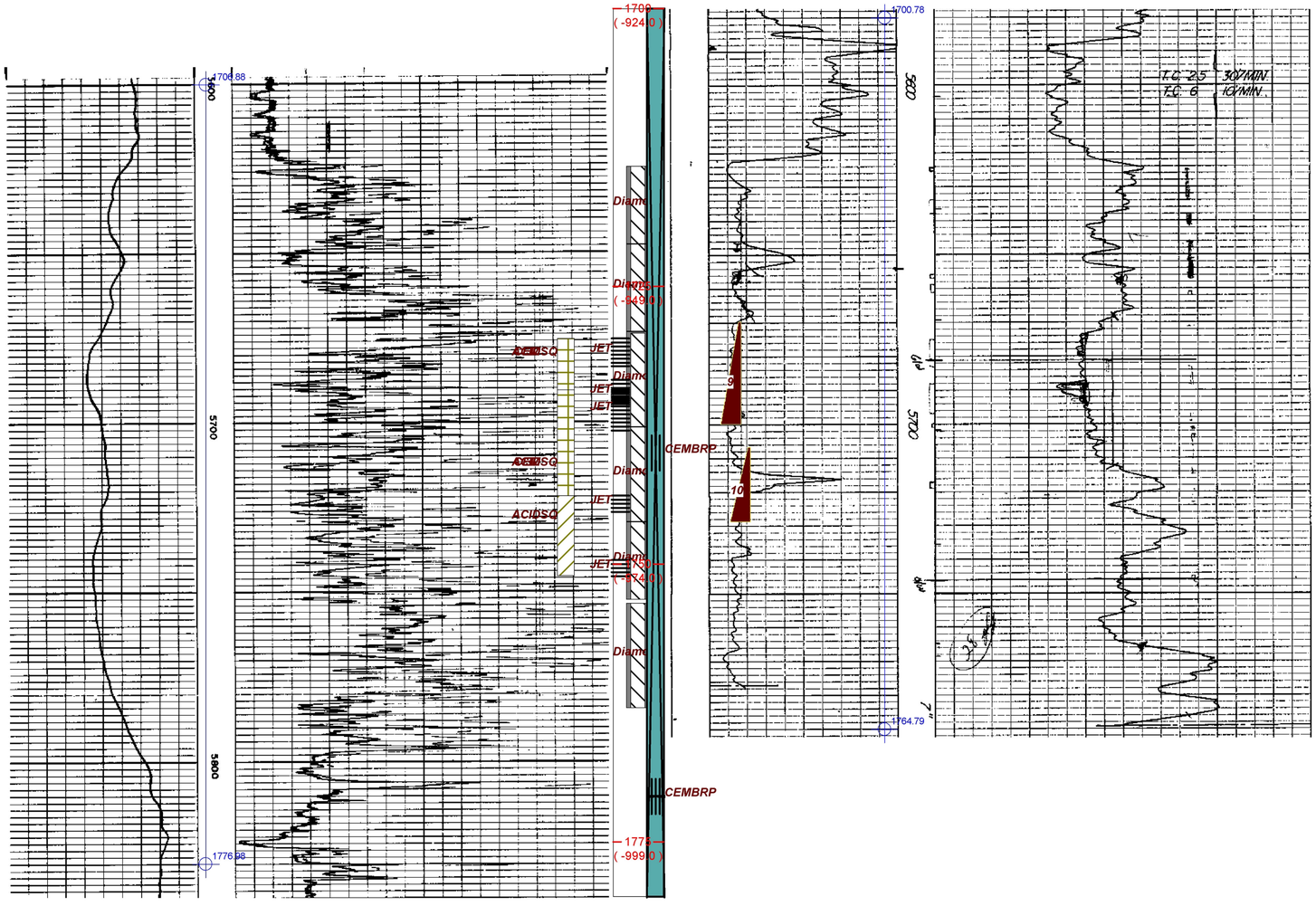
4 Hz wells planned (2500-3000m MD)
Est. IP: 350 bopd/well
Est. IP6: 250 bopd/well
Est. Recov. Res.: 250,000 stbo/well
CapEx: $3.8 MM/well (D&C&C)

Nisku Pay Isopach Map
4% Porosity & -982m Base of Pay Cut Off
10m Contour Interval

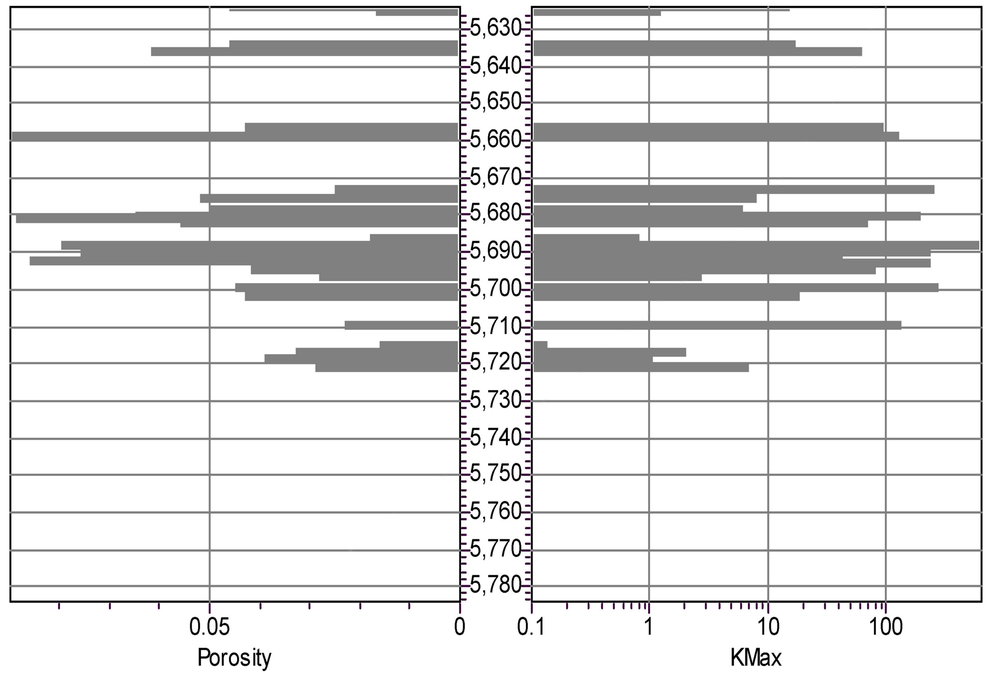
- Proposed Hz Pad Location
- Nisku Cores (with Wt. Avg. Analysis)
- Former Nisku Producer
- Well Containing Pay But Not Completed
- 10.2 — Pay Isopach
- -982/983 — Productive Interval (mSs) - Top/Base Perfs
- 37,806 (2%) — Cum. Nisku Production (stbo) (Life Water Cut %)

00/02-27-048-27W4/0

KB: 776.0 m RR: 1952-02-14
TD: 2024.0 m [TVD] FormTD: LDUC
Mode: Abd Zone Fluid: Oil
ESSO CPR A1 WIZARD 2-27MU-48-27

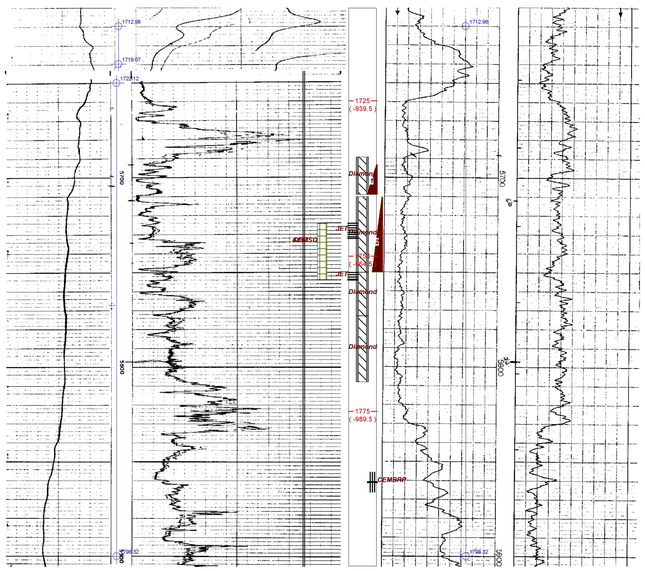


	Arith	Geo	Harm
Avg Km:	102.11	22.32	2.07
Avg Kv:	4.71	0.69	0.15
Avg Phi:	0.04	0.04	0.03

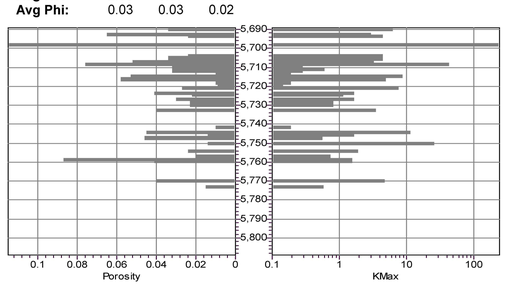


00/04-22-048-27W4/0

KB: 785.5 m — RR: 1952-01-20
TD: 2028.0 m [TVD] — FormTD: LDUC
Mode: Susp — Fluid: Oil
ESSO WIZARD LAKE NO B- 7

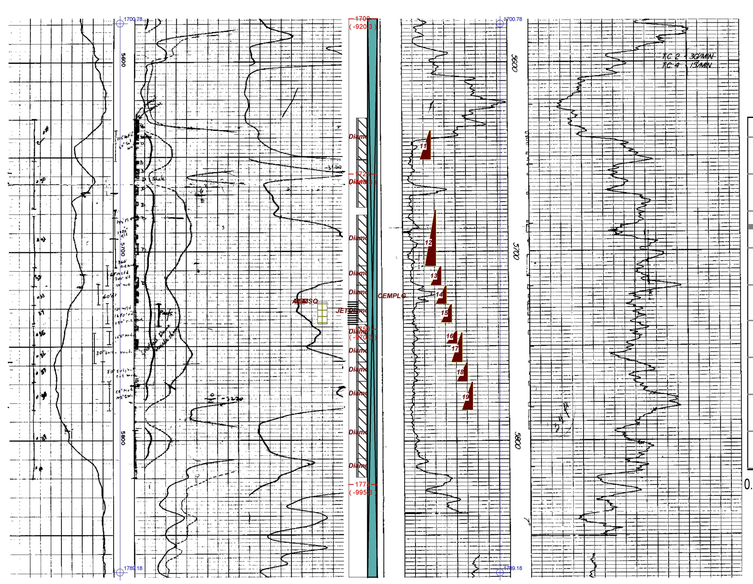


	Arith	Geo	Harm
Avg Km:	12.78	2.50	0.93
Avg Kv:	2.35	0.57	0.30
Avg Phi:	0.03	0.03	0.02

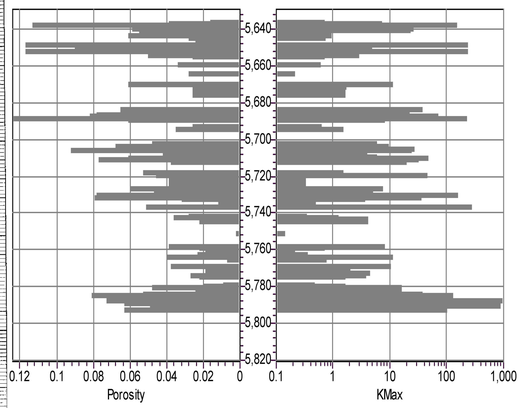


00/12-22-048-27W4/0

KB: 779.7 m — RR: 1951-05-14
TD: 2042.2 m [TVD] — FormTD: LDUC
Mode: Abd Zone — Fluid: Oil
ESSO B1 WIZARD 12-22 MU- 48-27

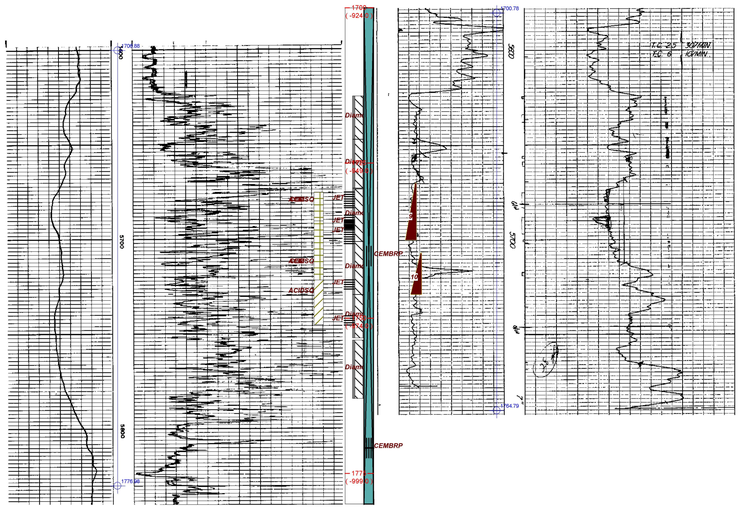


	Arith	Geo	Harm
Avg Km:	50.18	4.96	0.87
Avg Kv:	2.56	0.52	0.16
Avg Phi:	0.04	0.03	0.02

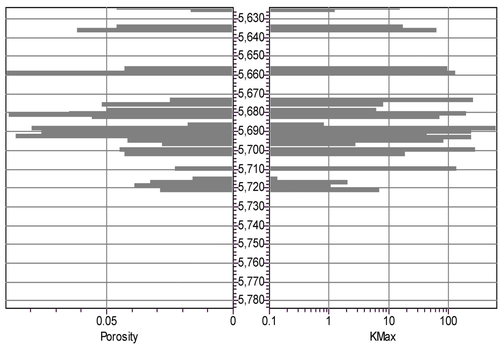


00/02-27-048-27W4/0

KB: 776.0 m — RR: 1952-02-14
TD: 2024.0 m [TVD] — FormTD: LDUC
Mode: Abd Zone — Fluid: Oil
ESSO CPR A1 WIZARD 2-27MU-48-27



	Arith	Geo	Harm
Avg Km:	102.11	22.32	2.07
Avg Kv:	4.71	0.69	0.15
Avg Phi:	0.04	0.04	0.03



Wizard Lake
Horizontal Nisku Play

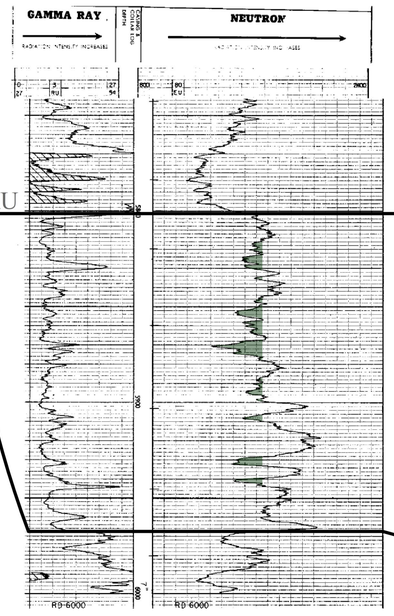
A

A'

NISKU

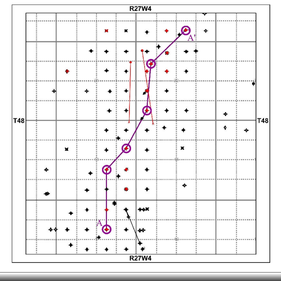
NISKU

00/10-09-048-27W4/0
KB: 2626.0 ft — RR: 1953-01-26
TD: 6727.4 ft [TVD] — FormTD: LDUC
Mode: Abd Zone — Fluid: Oil
ESSO WIZARD LAKE CPR NO. G-7
4026.5ft to next well >

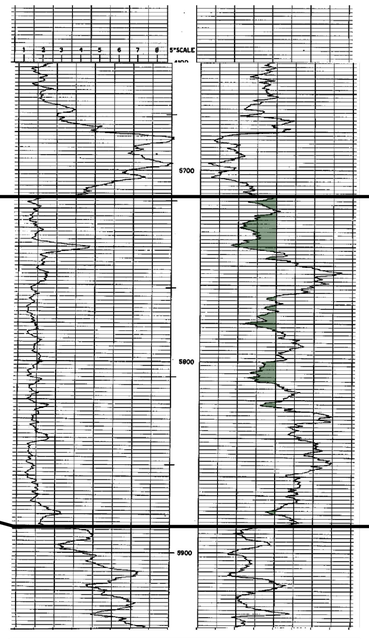


DST Information

Prod	Oil (STB)	Gas (Mscf)	Water (STB)
Cum	408115.9	1051931.2	3122.5
Daily	994.5	2563.3	7.6



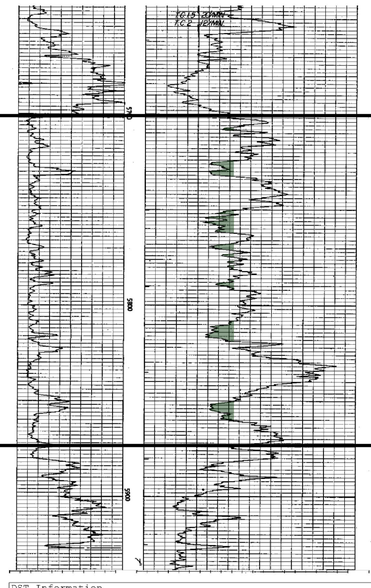
00/07-16-048-27W4/0
KB: 2590.9 ft — RR: 1953-09-15
TD: 6715.9 ft [TVD] — FormTD: LDUC
Mode: Abd Zone — Fluid: Oil
ESSO C7 WIZARD 7-16MU-48-27
< 4026.5ft to previous well — 1937.1ft to next well >



DST Information

Prod	Oil (STB)	Gas (Mscf)	Water (STB)
Cum	5546665.4	13276216.8	3777890.6
Daily	684.9	1639.5	466.5

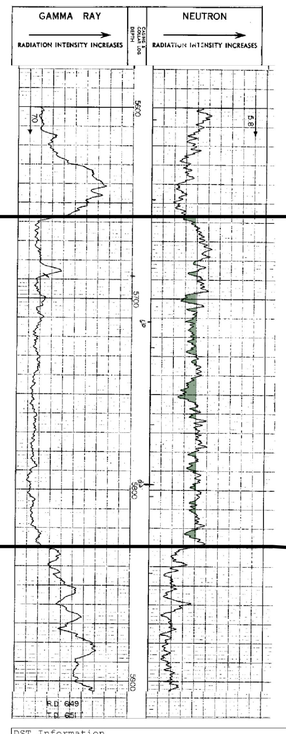
00/09-16-048-27W4/0
KB: 2577.8 ft — RR: 1952-03-26
TD: 6640.4 ft [TVD] — FormTD: LDUC
Mode: Abd Zone — Fluid: Oil
ESSO C2 WIZARD 9-16MU-48-27
< 1937.1ft to previous well — 2893.6ft to next well >



DST Information
1. 5726.0[TVD]-5768.0[TVD] (NSKU)
Type: STRADDLE
VO: 60.0/60.0 SI: 0.0/0.0 min
FP: 0.0/0.0 psi
SIP: 0.0/0.0 psi
HP: 0.0/0.0 psi
"RECS: 137.16M (450FT) OIL CUT MUD RECS: 27.43M (90FT) MUD RECS: 27.43M (90FT) OIL MAX GAS TO SURFACE: 21130.49M3/D (.746MMCF/D)"
2. 5819.9[TVD]-5839.9[TVD] (NSKU)
Type: STRADDLE
VO: 30.0/30.0 SI: 0.0/0.0 min
FP: 0.0/0.0 psi
SIP: 0.0/0.0 psi
HP: 0.0/0.0 psi
"RECS: 137.16M (450FT) SULPHUROUS WATER RECS: 164.59M (540FT) OIL CUT MUD"

Prod	Oil (STB)	Gas (Mscf)	Water (STB)
Cum	21096044.9	37570418.7	2029670.3
Daily	2315.7	4124.1	222.8

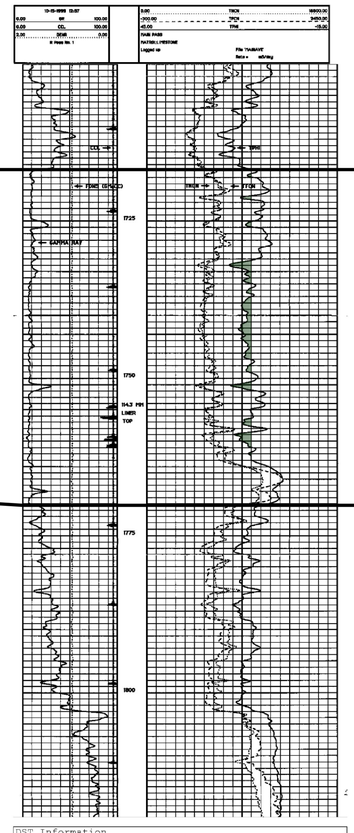
00/04-22-048-27W4/0
KB: 2577.1 ft — RR: 1952-01-20
TD: 6653.5 ft [TVD] — FormTD: LDUC
Mode: Abd Zone — Fluid: Oil
ESSO WIZARD LAKE NO B-7
< 2893.6ft to previous well — 3136.8ft to next well >



DST Information
1. 5692.9[TVD]-5709.0[TVD] (NSKU)
Type: STRADDLE
VO: 30.0/30.0 SI: 0.0/0.0 min
FP: 0.0/0.0 psi
SIP: 0.0/0.0 psi
HP: 0.0/0.0 psi
"RECS: 36.58M (120FT) OIL CUT MUD RECS: 9.14M (30FT) OIL RECS: 9.14M (30FT) SALTY WATER"
2. 5710.0[TVD]-5750.0[TVD] (NSKU)
Type: STRADDLE
VO: 30.0/30.0 SI: 0.0/0.0 min
FP: 0.0/0.0 psi
SIP: 0.0/0.0 psi
HP: 0.0/0.0 psi
"RECS: 18.29M (60FT) OIL CUT MUD"

Prod	Oil (STB)	Gas (Mscf)	Water (STB)
Cum	492816.1	12801186.5	19827.6
Daily	344.4	8945.4	13.9

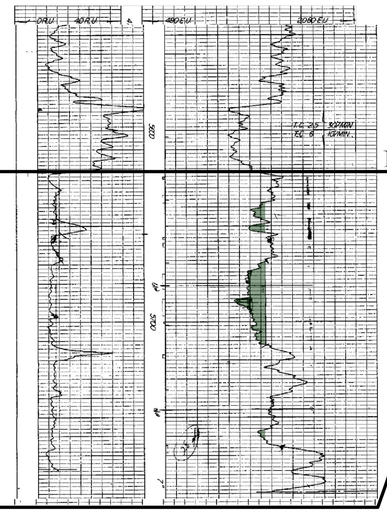
02/12-22-048-27W4/0
KB: 778.5 m — RR: 1986-09-01
TD: 2026.5 m [TVD] — FormTD: LDUC
Mode: Abd Zone — Fluid: Oil
ESSO WIZARD LAKE 12-22-48-27
< 956.1m to previous well — 989.3m to next well >



DST Information

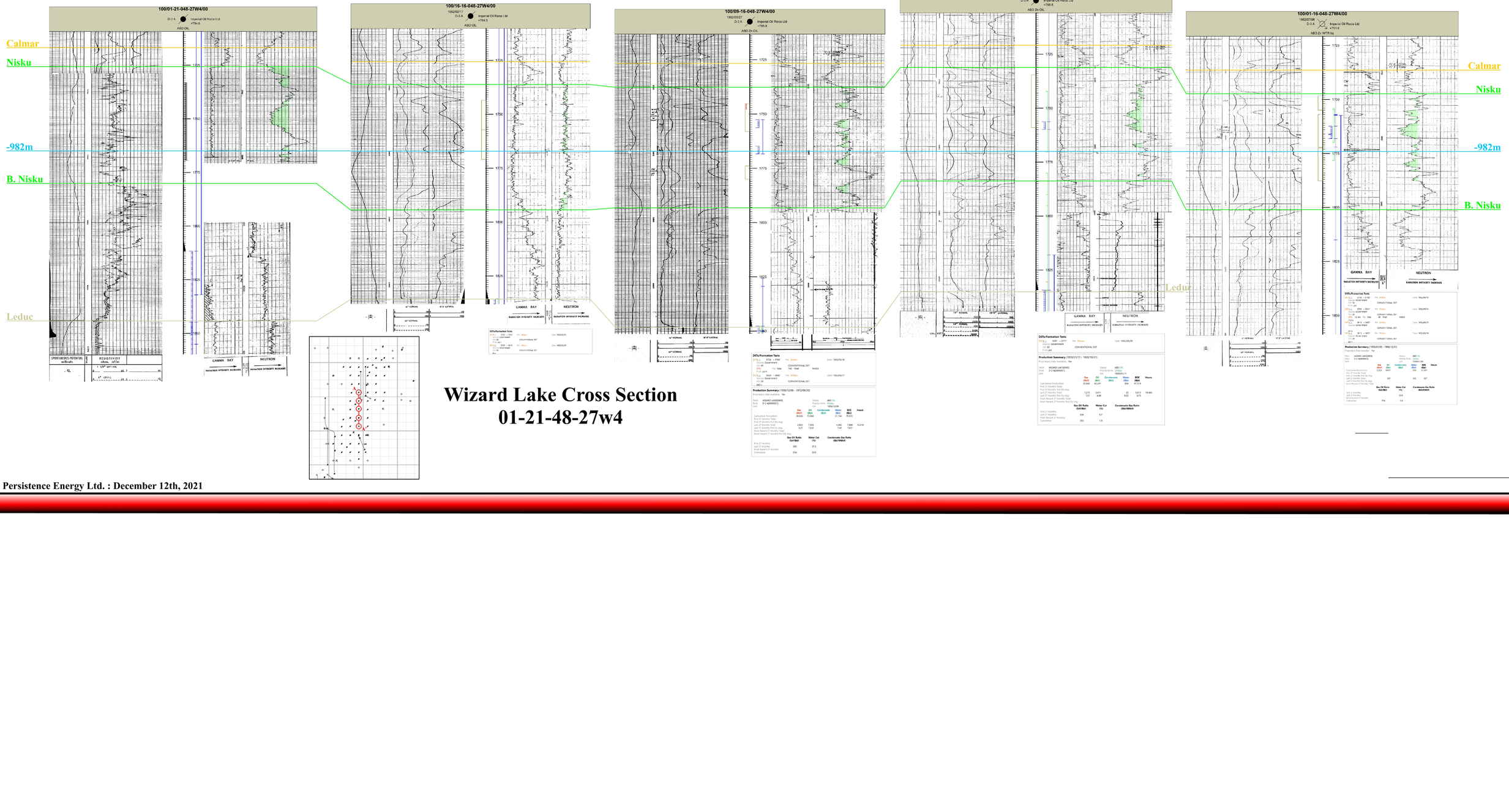
Prod	Oil (m3)	Gas (E3m3)	Water (m3)
Cum	56361.6	310593.4	501112.4
Daily	16.2	89.3	144.1

00/02-27-048-27W4/0
KB: 2545.9 ft — RR: 1952-02-14
TD: 6640.4 ft [TVD] — FormTD: LDUC
Mode: Abd Zone — Fluid: Oil
ESSO CPR A1 WIZARD 2-27MU-48-27
< 3245.8ft to previous well



DST Information
9. 5669.9[TVD]-5700.1[TVD] (NSKU)
Type: STRADDLE
VO: 30.0/30.0 SI: 0.0/0.0 min
FP: 0.0/0.0 psi
SIP: 0.0/0.0 psi
HP: 0.0/0.0 psi
"RECS: 100.58M (330FT) OIL RECS: 18.29M (60FT) OIL CUT MUD MAX GAS TO SURFACE: 1690.44M3/D (.06MMCF/D)"
10. 5707.0[TVD]-5729.0[TVD] (NSKU)
Type: STRADDLE
VO: 30.0/30.0 SI: 0.0/0.0 min
FP: 0.0/0.0 psi
SIP: 0.0/0.0 psi
HP: 0.0/0.0 psi
"RECS: 18.29M (60FT) MUD"

Prod	Oil (STB)	Gas (Mscf)	Water (STB)
Cum	5694253.4	16839294.0	2769718.7
Daily	672.7	1989.5	327.2



Persistence Energy Ltd. : December 12th, 2021

A

A'

100/01-09-048-27W4/00
1953/12/26
D-3 A
Imperial Oil Rainbow Ltd
+805.9
ABD-OIL

100/10-09-048-27W4/00
1953/D/100
D-3 A
Imperial Oil Rainbow Ltd
+800.4
ABD-Zn OIL

100/01-16-048-27W4/00
1953/07/06
D-3 A
Imperial Oil Rainbow Ltd
+791.6
ABD-Zn WTR inj

100/08-16-048-27W4/00
1953/D/16
D-3 A
Imperial Oil Rainbow Ltd
+788.8
ABD-Zn OIL

100/09-16-048-27W4/00
1953/09/27
D-3 A
Imperial Oil Rainbow Ltd
+785.8
ABD Zn OIL

100/10-15-048-27W4/00
D-3 A
Imperial Oil Rainbow Ltd
+788.2
ABD WTR inj

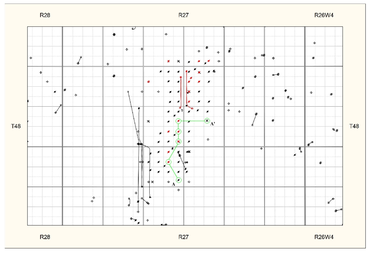
Oil (bbl): 37,806
Gas (mcf): 61,161
Water (bbl): 643

Oil (bbl): 9,913
Gas (mcf): 7,526
Water (bbl): 610

Oil (bbl): 43,241
Gas (mcf): 25,642
Water (bbl): 854

Oil (bbl): 73,068
Gas (mcf): 39,026
Water (bbl): 31,194

Dcalmar
Dmiku
Devon
Nisku
Ww
Nisku Base



Wizard Lake
South Cross Section

June 10, 2021