SIMON PETROLEUM TECHNOLOGY

WELL: 2/7-16

Print: 1642 k Units: M [✓ F] Top 472 Bottom 15808 Scale 1:500 TD 15808

Length: 31 FT Initials: JC

DIGITAL WIRELINE LOGS PACKAGE
1994
This image may not be used or reproduced without written permission from
SIMON PETROLEUM TECHNOLOGY SPT

COMPLETION LOG

COMPLETION – φ

K

PHILLIPS PETROLEUM COMPANY NORWAY

COMPOSITE LOG

REVISED 25 MARCH 1981.

CO-ORDINATES 56° 25' 21.1" N
3° 05' 41.1" E

WELL NUMBER 2/7-16X

PRODUCTION LICENCE 018

LICENCE BLOCK 2/7

DATE SPUDDED 20 MARCH 1980

DATE COMPLETED 13 JULY 1980

ELEVATION KB 82'

DF

WATER DEPTH 234'

TOTAL DEPTH 15808'

PBTD

STATUS PLUGGED AND ABANDONED

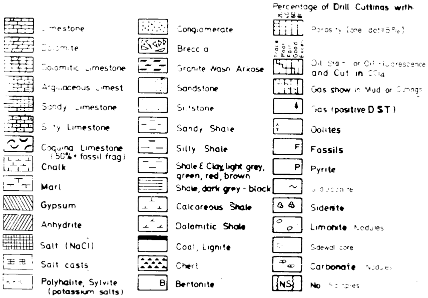
CASING RECORD 30" AT 539'; 20" AT 2007'; 13 3/8" AT 4995'; 9 5/8" AT 12446'.

GEOLOGIST M. SCANLAN, K. SKÅR, E. WALDMAN

REMARKS

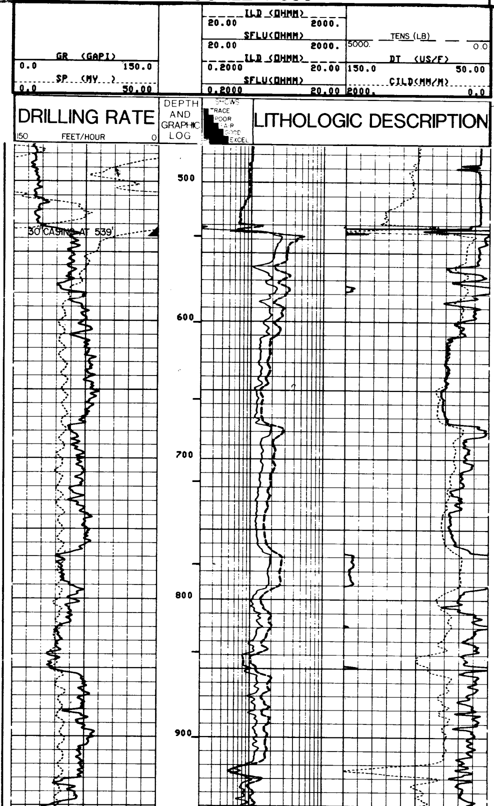
~~TESTING AND COMPLETION SUMMARY: DST # 1 10760'-10790'~~ (3279.7m-3288.6m) FINAL FLOW RATE 660 BWPD WITH TRACES OF OIL AND GAS. DST# 2 10476'-10549' (3193.1m-3215.4m OA) FLOWED 28.8 BWPD WITH NO OIL OR GAS BEFORE ACID. WELL DIED COMPLETELY AFTER ACID WITH ONLY A WEAK FLOW OF ACID GAS.

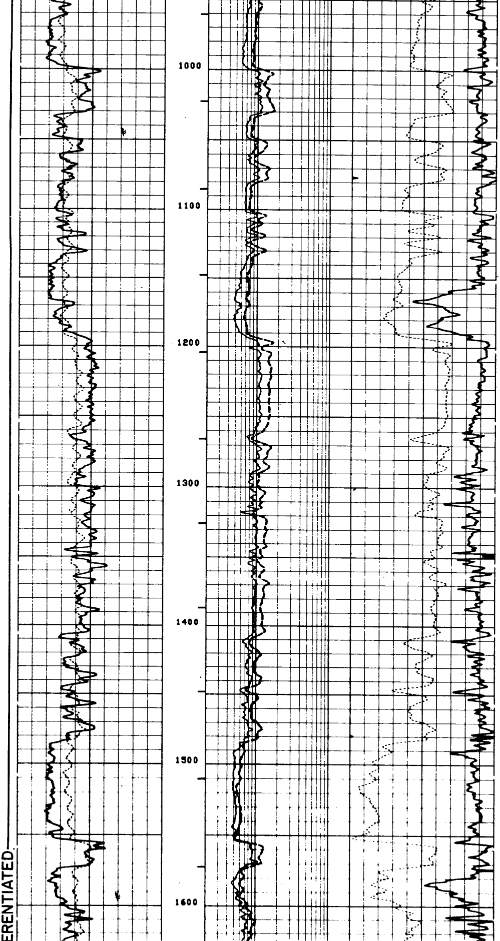
LEGEND

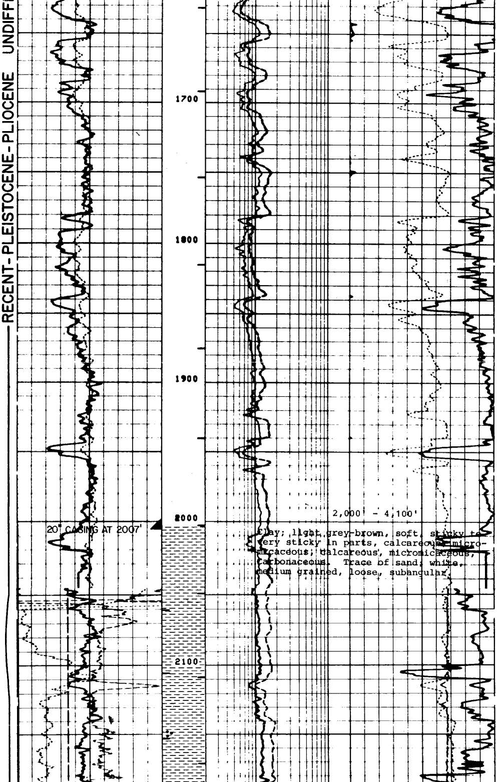


		Percentage of Drill Cuttings with
Limestone	Conglomerate	Porosity (one dot=5%)
Dolomite	Breccia	Trace Poor Fair Good Excel.
Dolomitic Limestone	Granite Wash Arkose	Oil Stain or Oil Fluorescence and Cut in CCl4
Argillaceous Limest	Sandstone	Gas show in Mud or Cuttings
Sandy Limestone	Siltstone	Gas (positive D S T)
Silty Limestone	Sandy Shale	Oolites
Coquina Limestone (50%+ fossil frag)	Silty Shale	F Fossils
Chalk	Shale & Clay, light grey, green, red, brown	P Pyrite
Marl	Shale, dark grey - black	~ Glauconite
Gypsum	Calcareous Shale	Siderite
Anhydrite	Dolomitic Shale	Limonite Nodules
Salt (NaCl)	Coal, Lignite	Sidewall core
Salt casts	Chert	Carbonate Nodules
Polyhalite, Sylvite (potassium salts)	B Bentonite	NS No Samples

SCALE:1:500

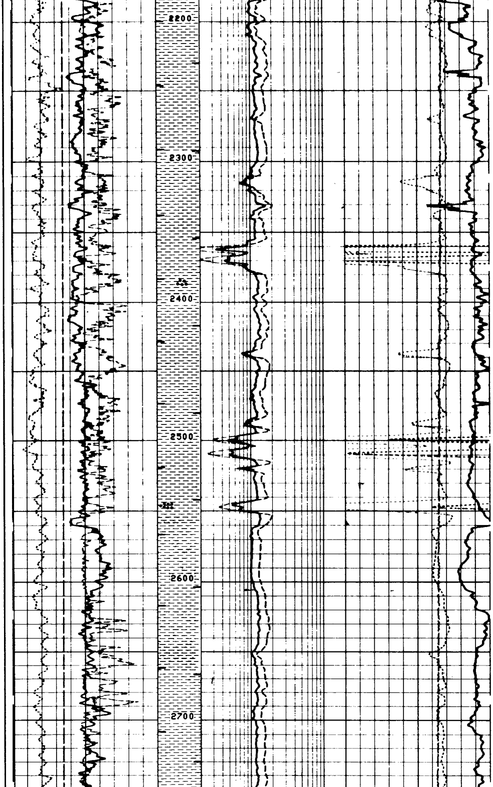


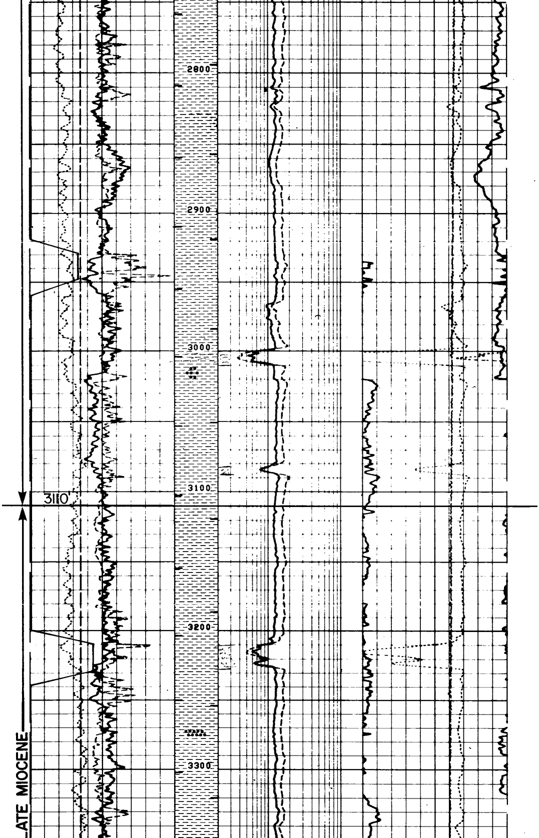


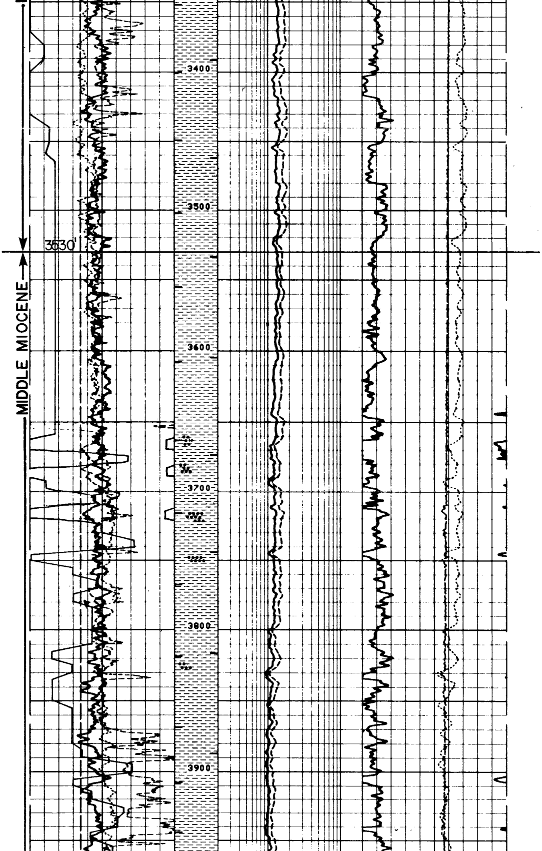


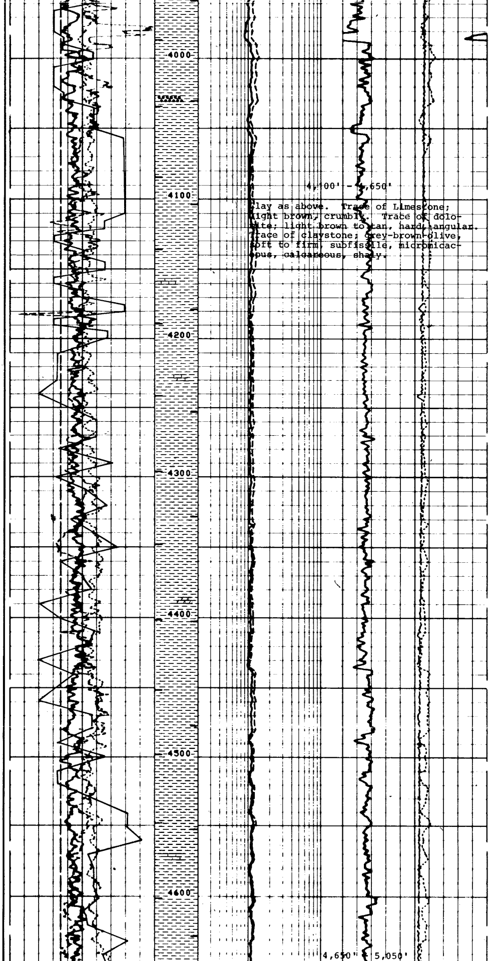
2,000' - 4,100'

Clay; light grey-brown, soft, sticky to very sticky in parts, calcareous, micromicaceous, calcareous, micromicaceous, carbonaceous. Trace of sand; white, medium grained, loose, subangular.





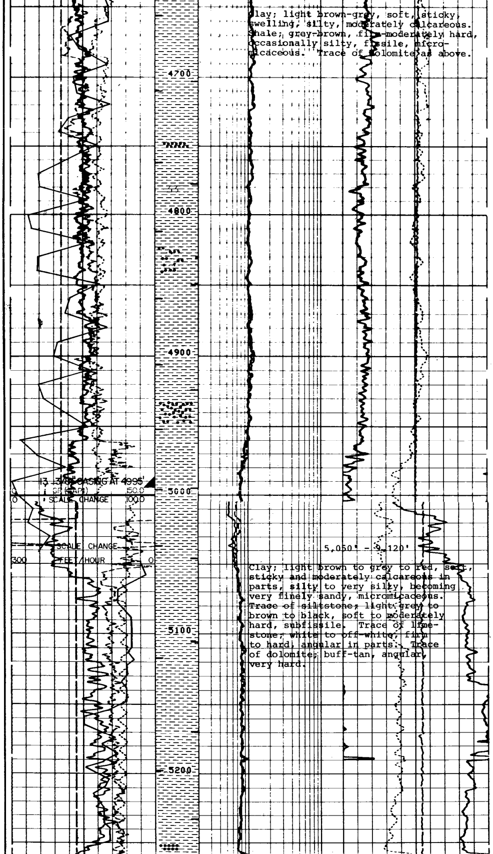




4,100' - 4,650'

Clay as above. Trace of Limestone; light brown, crumbly. Trace of dolomite; light brown to tan, hard, angular. Trace of claystone; grey-brown-olive, soft to firm, subfissile, micromicaceous, calcareous, shaly.

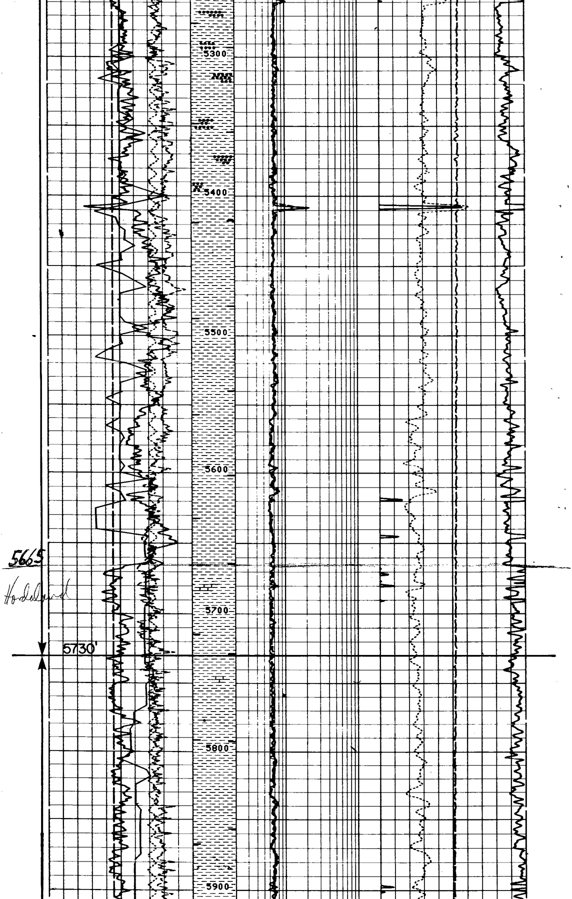
4,650' - 5,050'

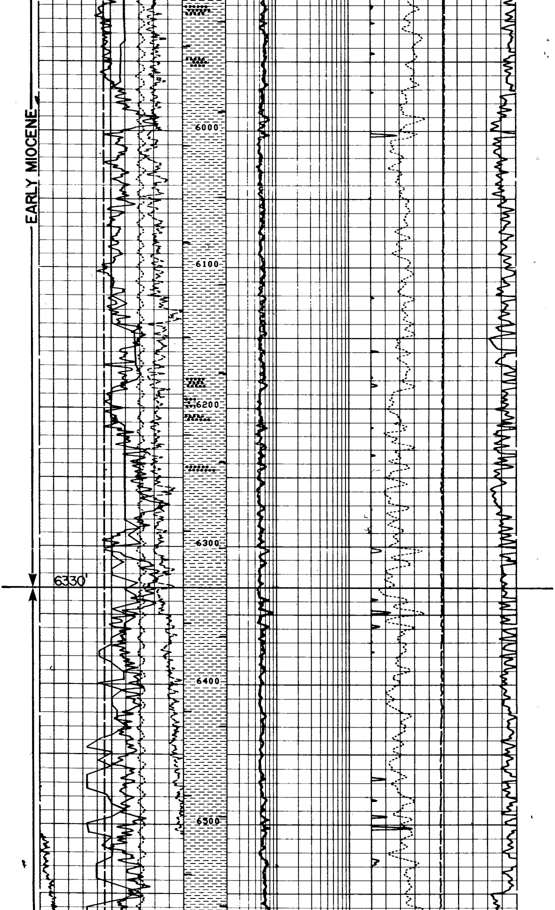


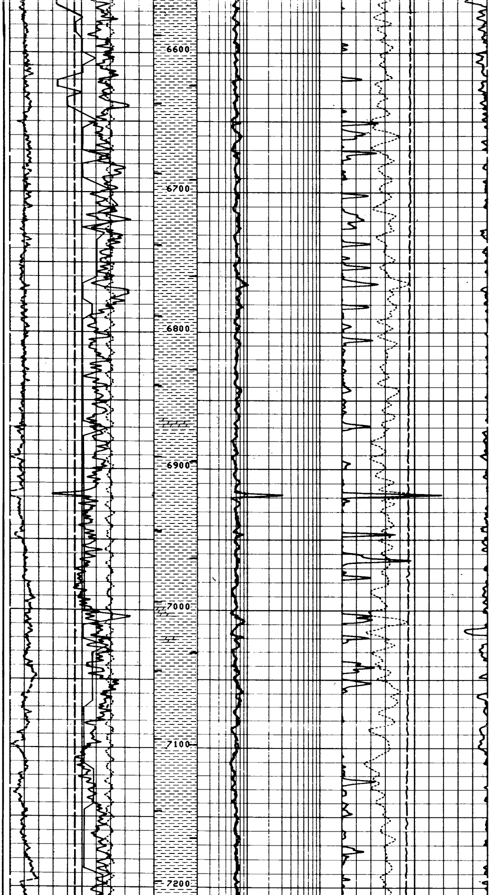
Clay; light brown-grey, soft, sticky, swelling, silty, moderately calcareous. Shale; grey-brown, firm-moderately hard, occasionally silty, fissile, micro-micaceous. Trace of dolomite as above.

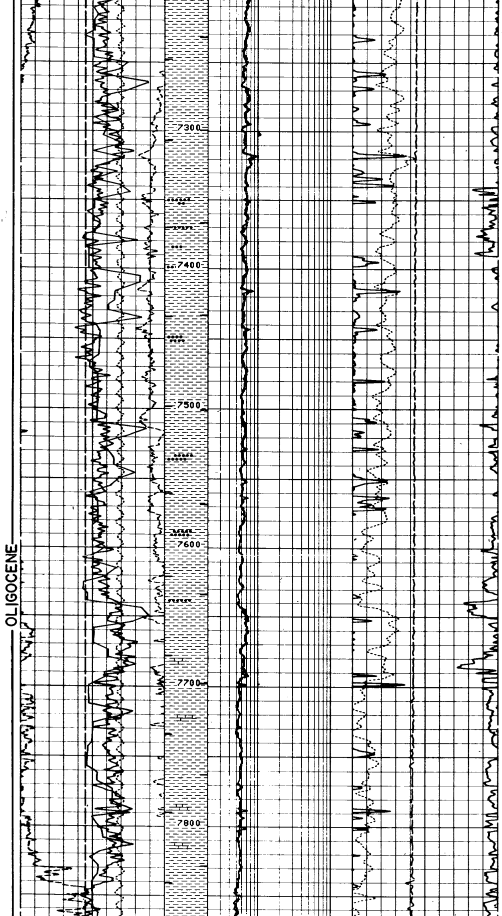
5,060' - 9,120'

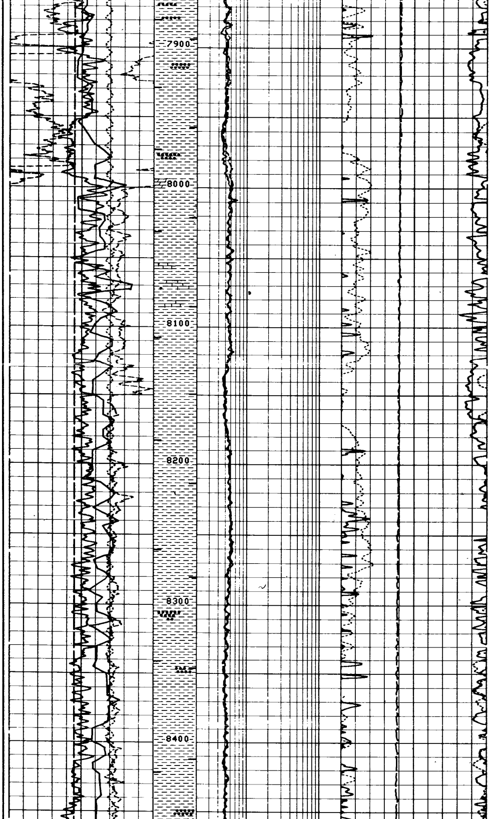
Clay; light brown to grey to red, soft, sticky and moderately calcareous in parts, silty to very silty, becoming very finely sandy, micromicaceous. Trace of siltstone; light grey to brown to black, soft to moderately hard, subfissile. Trace of limestone; white to off-white, firm to hard, angular in parts. Trace of dolomite; buff-tan, angular, very hard.

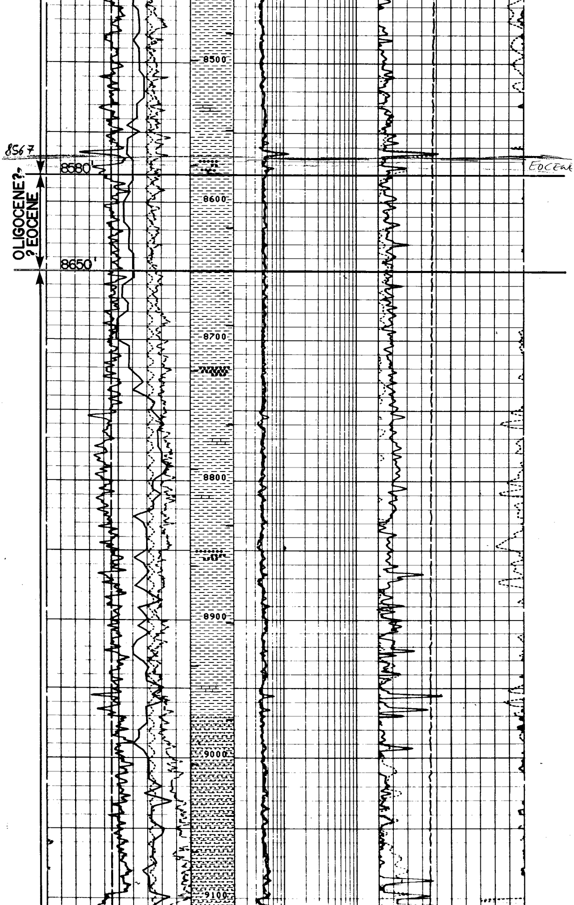


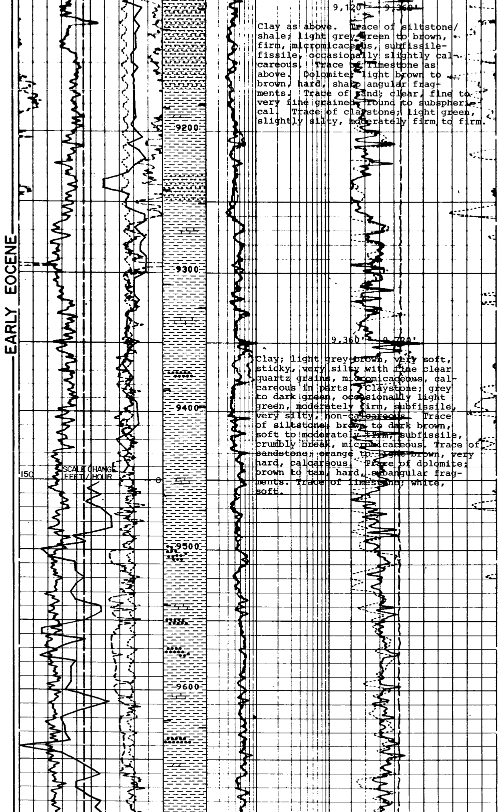










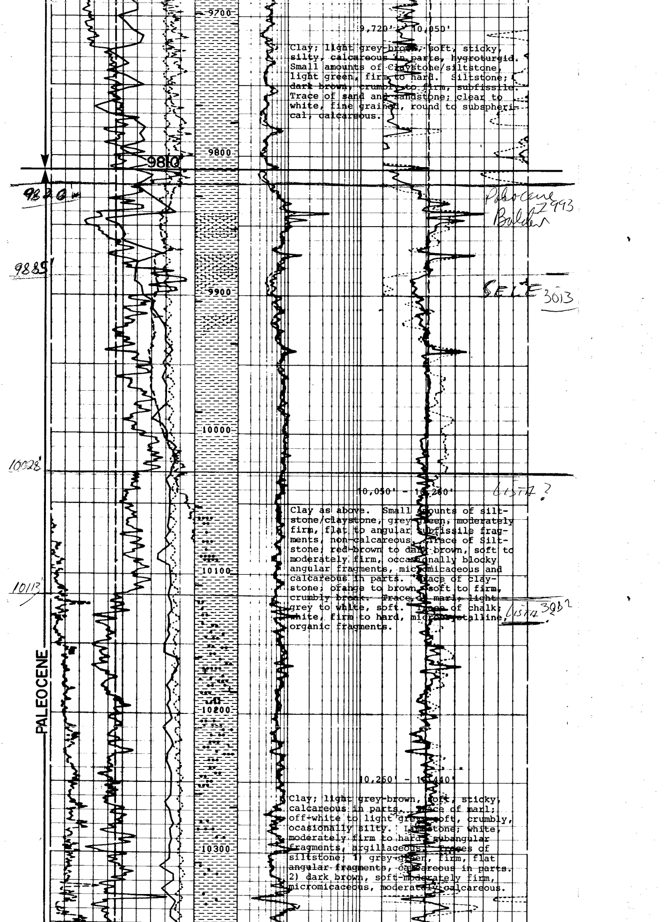


9,120' - 9,360'

Clay as above. Trace of siltstone/shale; light grey-green to brown, firm, micromicaceous, subfissile-fissile, occasionally slightly calcareous. Trace of limestone as above. Dolomite; light brown to brown, hard, sharp angular fragments. Trace of sand; clear, fine to very fine grained, round to subspherical. Trace of claystone; light green, slightly silty, moderately firm to firm.

9,360' - 9,720'

Clay; light grey-brown, very soft, sticky, very silty with fine clear quartz grains, micromicaceous, calcareous in parts. Claystone; grey to dark green, occasionally light green, moderately firm, subfissile, very silty, non-calcareous. Trace of siltstone; brown to dark brown, soft to moderately firm, subfissile, crumbly break, micromicaceous. Trace of sandstone; orange to light brown, very hard, calcareous. Trace of dolomite; brown to tan, hard, subangular fragments. Trace of limestone; white, soft.



9,720' - 10,050'

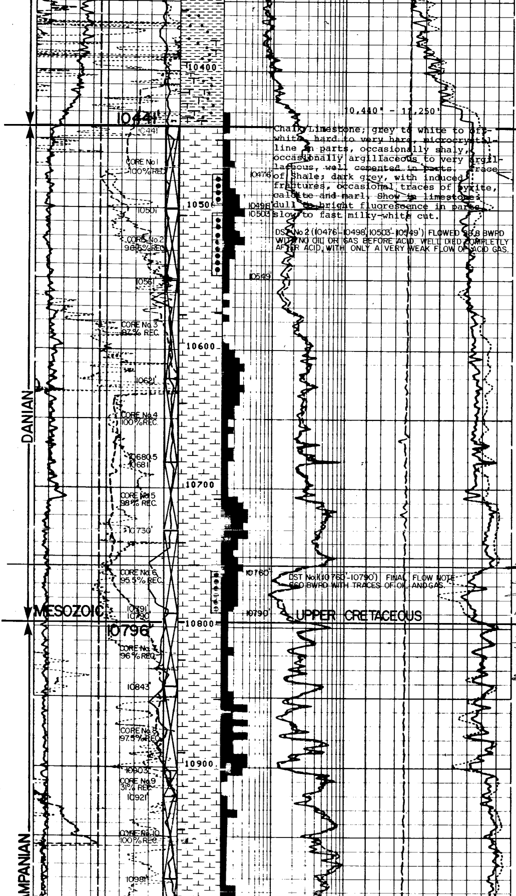
Clay; light grey-brown, soft, sticky, silty, calcareous in parts, hygroturgid. Small amounts of Claystone/siltstone, light green, firm to hard. Siltstone; dark brown, crumbly to firm, subfissile. Trace of sand and sandstone; clear to white, fine grained, round to subspherical, calcareous.

10,050' - 10,260'

Clay as above. Small amounts of siltstone/claystone, grey green, moderately firm, flat to angular, subfissile fragments, non-calcareous. Trace of Siltstone; red-brown to dark brown, soft to moderately firm, occasionally blocky angular fragments, micromicaceous and calcareous in parts. Trace of claystone; orange to brown, soft to firm, crumbly break. Trace of marl; light grey to white, soft. Trace of chalk; white, firm to hard, microcrystalline, organic fragments.

10,260' - 10,440'

Clay; light grey-brown, soft, sticky, calcareous in parts. Trace of marl; off-white to light grey, soft, crumbly, ocasionally silty. Limestone; white, moderately firm to hard, subangular fragments, argillaceous. Traces of siltstone; 1) grey-green, firm, flat angular fragments, calcareous in parts. 2) dark brown, soft-moderately firm, micromicaceous, moderately calcareous.



10,440' - 11,250'

Chalky Limestone; grey to white to off-white, hard to very hard, microcrystalline in parts, occasionally shaly, occasionally argillaceous to very argillaceous, well cemented in parts. Trace of Shale; dark grey, with induced fractures, occasional traces of pyrite, calcite and marl. Show in limestone: dull to bright fluorescence in parts, slow to fast milky-white cut.

DST No 2 (10476'-10498', 10503'-10549') FLOWED 28.8 BWPD WITH NO OIL OR GAS BEFORE ACID. WELL DIED COMPLETELY AFTER ACID, WITH ONLY A VERY WEAK FLOW OF ACID GAS.

DST No 1 (10760'-10790') FINAL FLOW NOTE 660 BWPD WITH TRACES OF OIL AND GAS.

3182

10756'

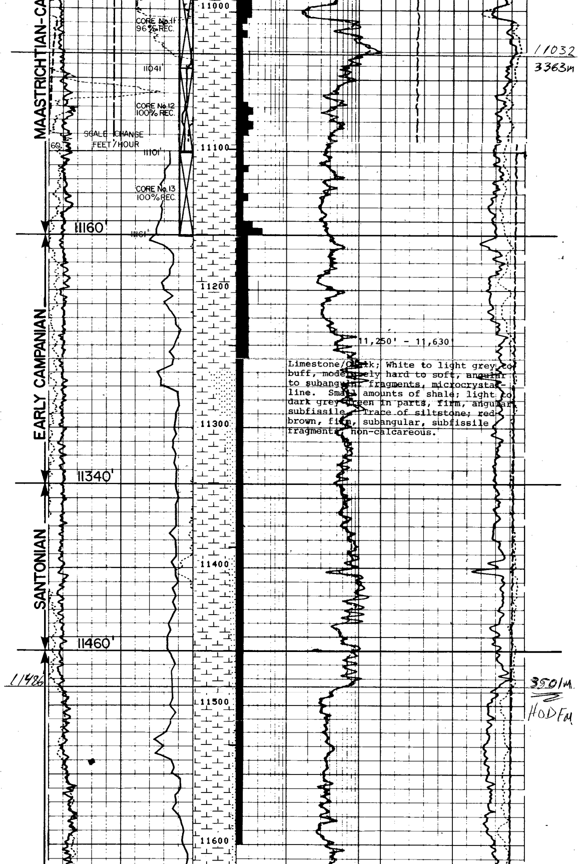
3278 m

~~Tor~~

10796

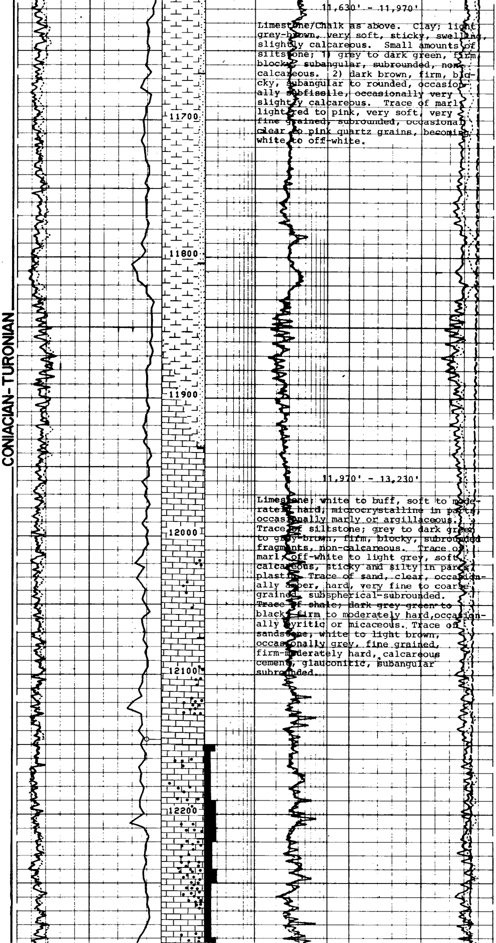
3291m

Tor



11,250' - 11,630'

Limestone/Chalk; White to light grey to buff, moderately hard to soft, angular to subangular fragments, microcrystalline. Small amounts of shale; light to dark grey-green in parts, firm, angular, subfissile. Trace of siltstone; red-brown, firm, subangular, subfissile fragments, non-calcareous.

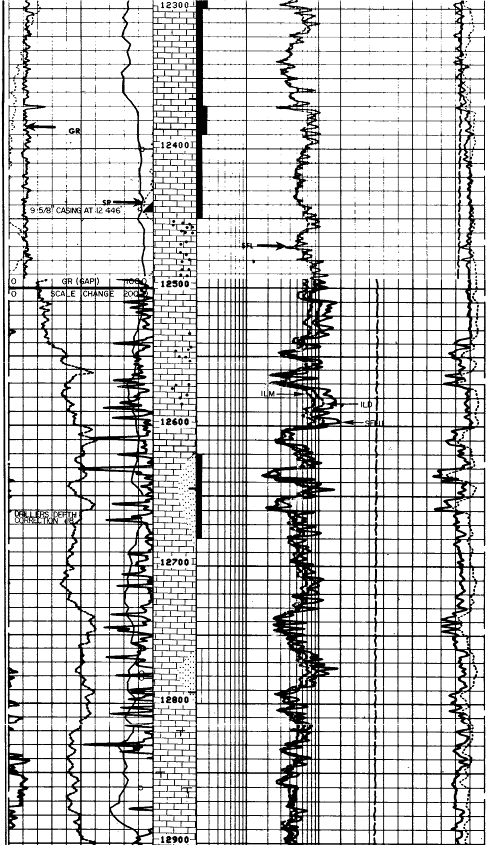


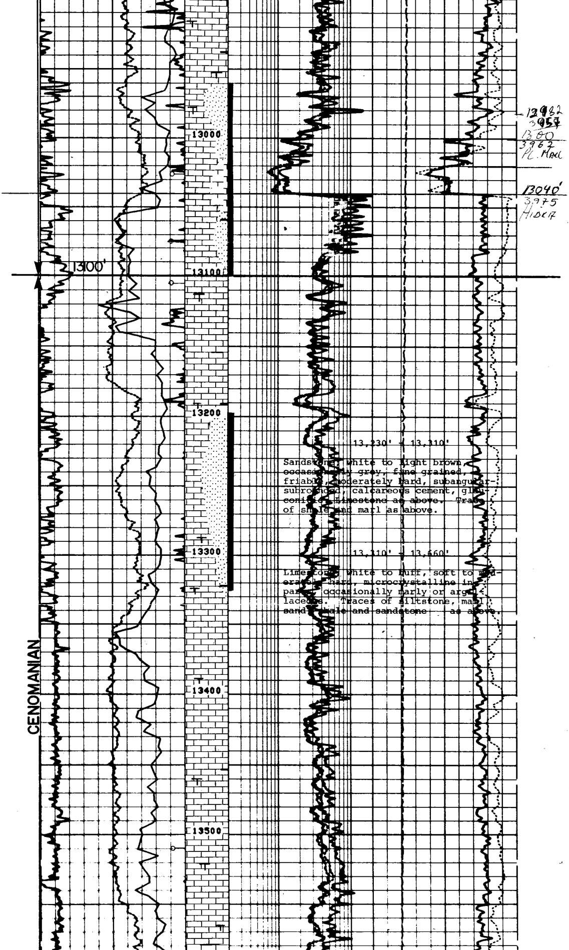
11,630' - 11,970'

Limestone/Chalk as above. Clay; light grey-brown, very soft, sticky, swelling, slightly calcareous. Small amounts of siltstone; 1) grey to dark green, firm, blocky, subangular, subrounded, non-calcareous. 2) dark brown, firm, blocky, subangular to rounded, occasionally subfissile, occasionally very slightly calcareous. Trace of marl; light red to pink, very soft, very fine grained, subrounded, occasional clear to pink quartz grains, becoming white to off-white.

11,970' - 13,230'

Limestone; white to buff, soft to moderately hard, microcrystalline in parts, occasionally marly or argillaceous. Trace of siltstone; grey to dark green to grey-brown, firm, blocky, subrounded fragments, non-calcareous. Trace of marl, off-white to light grey, soft, calcareous, sticky and silty in parts, plastic. Trace of sand, clear, occasionally amber, hard, very fine to coarse grained, subspherical-subrounded. Trace of shale, dark grey green to black, firm to moderately hard, occasionally pyritic or micaceous. Trace of sandstone, white to light brown, occasionally grey, fine grained, firm-moderately hard, calcareous cement, glauconitic, subangular subrounded.





12982
3957
1300
3962
Pl. Marl

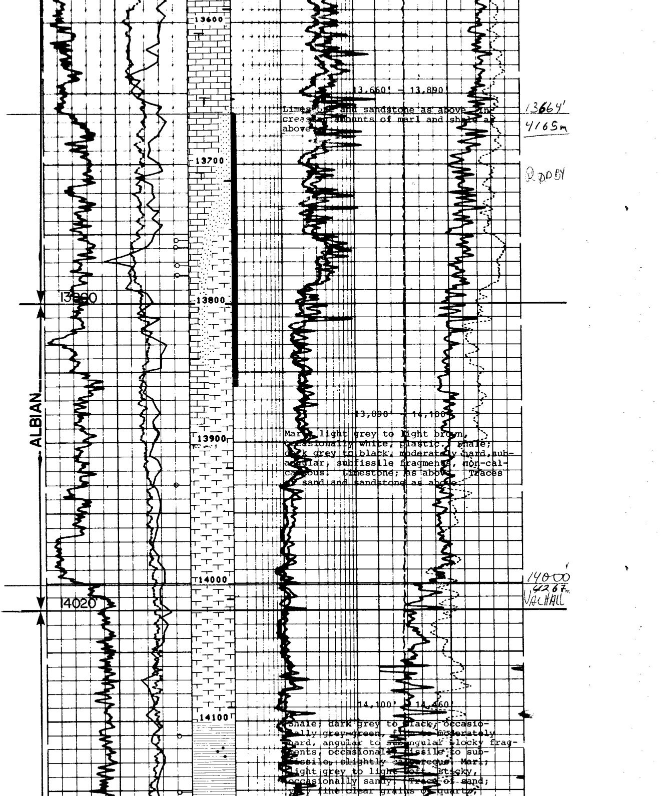
13040'
3975
Hidra

13,230' - 13,310'

Sandstone, white to light brown, occasionally grey, fine grained, friable, moderately hard, subangular-subrounded, calcareous cement, glauconitic. Limestone as above. Traces of shale and marl as above.

13,310' - 13,660'

Limestone, white to buff, soft to moderately hard, microcrystalline in parts, occasionally marly or argillaceous. Traces of siltstone, marl, sandy shale and sandstone as above.



13,660' - 13,890'

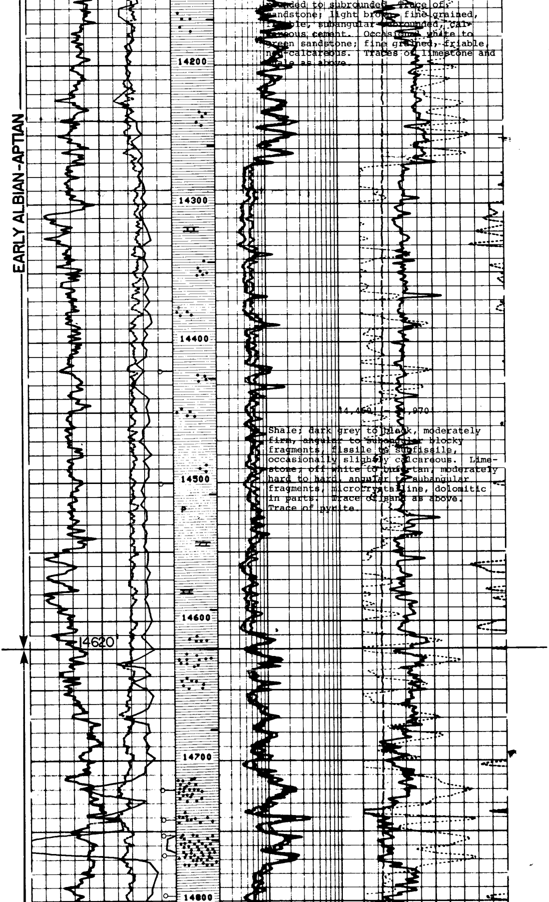
Limestone and sandstone as above. Increasing amounts of marl and shale as above.

13,890' - 14,100'

Marl; light grey to light brown, occasionally white, plastic. Shale; dark grey to black, moderately hard, subangular, subfissile fragments, non-calcareous. Limestone; as above. Traces of sand and sandstone as above.

14,100' - 14,460'

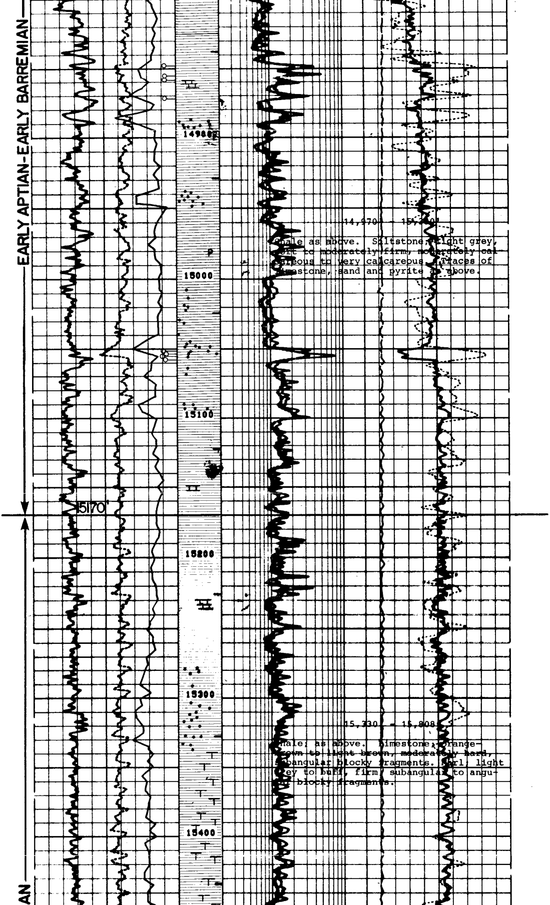
Shale; dark grey to black, occasionally grey-green, firm to moderately hard, angular to subangular blocky fragments, occasionally fissile to subfissile, slightly calcareous. Marl; light grey to light soft, sticky, occasionally sandy. Traces of sand; very fine clear grains of quartz,



rounded to subrounded. Trace of sandstone; light brown, fine grained, friable, subangular-subrounded, calcareous cement. Occasional white to green sandstone; fine grained, friable, non-calcareous. Traces of limestone and shale as above.

14,450' – 14,970'

Shale; dark grey to black, moderately firm, angular to subangular blocky fragments, fissile to subfissile, occasionally slightly calcareous. Limestone; off white to buff-tan, moderately hard to hard, angular to subangular fragments, microcrystalline, dolomitic in parts. Trace of sand as above. Trace of pyrite.

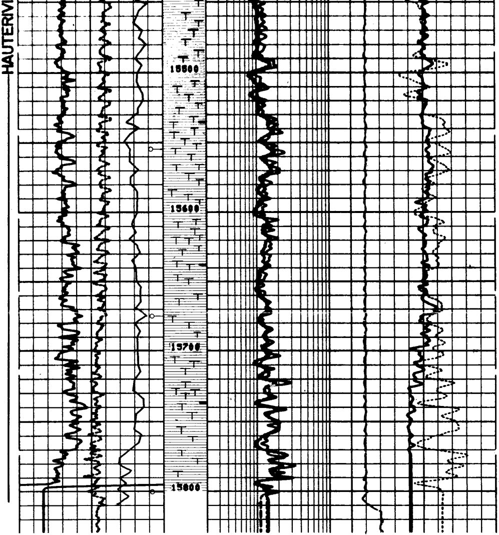


14,970' - 15,330'

Shale as above. Siltstone, light grey, soft to moderately firm, moderately calcareous to very calcareous. Traces of limestone, sand and pyrite as above.

15,330' - 15,808'

Shale; as above. Limestone, orange-brown to light brown, moderately hard, subangular blocky fragments. Marl; light grey to buff, firm, subangular to angular blocky fragments.



T. D. 15808' RKB

		ILM (OHMM) 20.00 2000.	
		ILM (OHMM) 0.2000 20.00	
		ILD (OHMM) 20.00 2000.	
		ILD (OHMM) 0.2000 20.00	CILD(MM/M) 2000. 0.0
GR (GAPI) 0.0 200.0		SFLU(OHMM) 0.2000 20.00	DT (US/F) 150.0 50.00
SP (MV) 0.0 50.00		SFLU(OHMM) 20.00 2000.	TENS(LB) 5000. 0.0