

Marc Downing

Consulting Petroleum Geologist

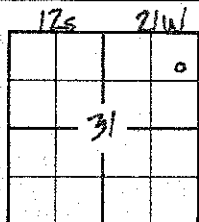
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GEOLOGIC REPORT LOG

COMPANY Downing-Nelson Oil Co., Inc.
WELL Hillman-Dubach
FIELD Wildcat
LOCATION COO' ENL - 270' FEL
SEC. 31 **TWP.** 12s **RGE.** 21W
COUNTY Trego
STATE Kansas



OPERATOR DNOCI
CONTRACTOR Discovery Drig. Rig #3
COMM. 10-1-12 **COMP.** 10-7-12

CASING RECORD
SURF. 5 1/8" - 217 **PROD.** -
TOTAL DEPTH DRILLERS: 4048
TOTAL DEPTH LOG: 4048

PRODUCTION Dry
ELEVATION **KB** 2283
DF -
GL 2275
Drilling Measured From: 2283 KB

Samples Saved From 3500 **To:** TD
Drilling Time From 3250 **To:** TD
Samples Examined From: 3500 **To:** TD
Geological Supervision From 3306 **To Total Depth**
Wellsite Geologist Alan Downing
Electrical Surveys Nabors
CML/GZ - microlog
Sonic - Dual Induction

FORMATION TOPS AND STRUCTURAL POSITION

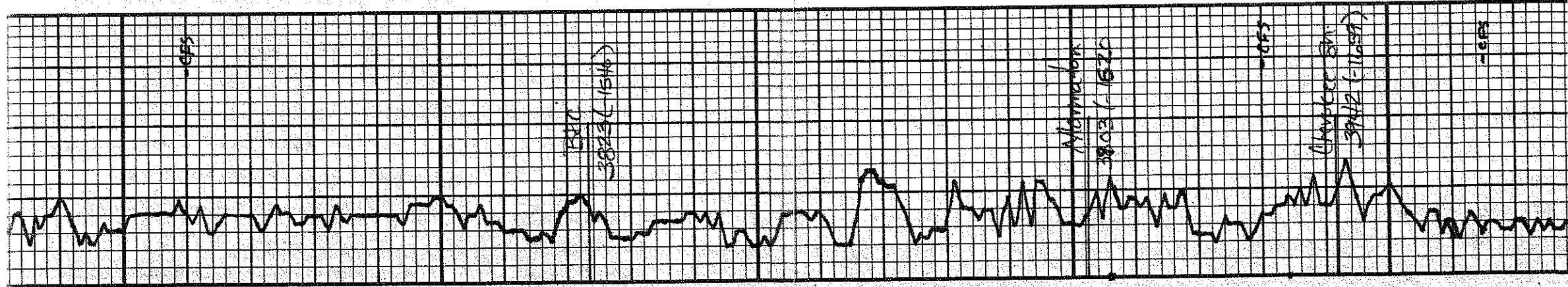
FORMATION	SAMPLE TOP	ELECTRIC LOG TOP	SUB-SEA DATUM	STRUCTURAL POSITION
Anhydrite	1703	1704	+579	-9
Base	1750	1748	+535	-3
Topokg	3320	3328	-1045	+3
Herbner	3550	3550	-1267	+5
Toronto	3572	3571	-1288	+4
Lansing	3584	3583	-1300	+4
B/C	3823	3820	-1537	+9
Marmaton	3803	3903	-1620	+5
Overice shale	3942	3942	-1659	+4
Arbuckle	4021	4020	-1737	-10

REFERENCE WELL FOR STRUCTURE
Isem - Wells Schoenthaler #1
NW-NW-NW Sec 32-12s-21W Trego Co., Ks

DRILL STEM TESTS

No.	Interval	IFP/Time	ISIP/Time	FFP/Time	FSIP/Time	IHP-FHP	RECOVERY
1	3578 3654	24 [#] / _{30'} 1103	765 [#] / _{36'}	119-170 [#] / _{36'}	753 [#] / _{30'}	1719 [#] / ₁₁₆₇₈	330' NW
2	3910 3934	28 [#] / _{30"}	42 [#] / _{36"} 1003	44-48 [#] / _{30"}	95 [#] / ₃₀	1907 [#] / ₁₉₀₄	20' mud w/ oil sps

REMARKS AND RECOMMENDATIONS
Due to No show of Negative drillstem tests -
Arbuckle fell out of Bed - Plug Away



SN: gm	LS: Tan Lt. tan f. subsh v. chky w/pt of scatt col - ore φ NS Fo - ND odor.
SN: gm	SN: Red Brown - gm
SN: gm	LS: Tan Lt Tan fm w/v. scatt PPV V. sp. str NSFO No odor.
SN: gm	LS: wnt f. xk - subsh chky w/v. sp. str - few ooliced Rx w/φ - No snow) tite
SN: gm	SN: V. clark gm
SN: gm	LS: wnt f. subsh w/ poor intbed Lots wnt chky inclusions - No snow - No odor -
SN: gm	SN: Red Brown - gm
SN: gm	LS: wnt Lt. Tan fm scatt chky LS.
SN: gm	SN: Red Brown
SN: gm	LS: Tan fm dse - scatt col
SN: gm	SN: gm - Red w/wnt Exls. + orange Acht - throughout
SN: gm	LS: Tan fm w/ Red - orange Acht -
SN: gm	LS: Tan - Lt. Tan fm w/ v. lit intbed v. sp. str NSFO - No odor w/ multi- colored Acht
SN: gm	LS: Tan f. v. fm w/ some fr. intbed sp. chky w/ LS. w/ sp. Lt. str NSFO - No odor w/ much Red - yellow - Tan - Acht all dse
SN: gm	SN: Black - (orn)
SN: gm	LS: Tan fm w/ much intbed - tan - Acht - scatt str in Edge chky - NSFO - No odor ong. w/ash Red w/ much Acht as about NS - st. edge str.

DST #2
3910 - 3934
Rec: 20' mud w/olpts
IHP: 1967 #
IFP: 48-44 #
FFP: 28-42 #
SP: 1003-951 #
FHP: 1904 #

DST # 2

50

3800

60

3900

50

-GPS

1514
3825 (1514)

1620
3903 (1620)

-GPS

(change SN
3902 (-1057))

-GPS

