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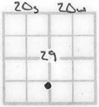
GEOLOGIC REPORT LOG

COMPANY Downing-Nelson Oil Co., Inc.

WELL McCoy-Pelton #2-29
FIELD Steffen
LOCATION 1200' FSL + 2560' FWL
SEC. 29 TWP. 20s RGE. 20w
COUNTY Pawnee
STATE Kansas



PRODUCTION Miss
ELEVATION KB 2154
DF
GL 2148
Drilling Measured From: KB
Samples Saved From 4000 To: TD
Drilling Time From 3600 To: TD
Samples Examined From: 4000 To: TD
Geological Supervision From 3600 To Total Depth
Wellsite Geologist Marc Downing
Electrical Surveys Log-Tech
CNL/CDL
DIL
MEL

OPERATOR DNOCI
CONTRACTOR Discovery Drilling, Rig #4
COMM: COMP: 2-29-12

CASING RECORD

SURF: 8⅝" @ 1159' PROD: 5½" @ 4291'
TOTAL DEPTH DRILLERS: 4298'
TOTAL DEPTH LOG 4300'

FORMATION TOPS AND STRUCTURAL POSITION

FORMATION	SAMPLE TOP	ELECTRIC LOG TOP	SUB-SEA DATUM	STRUCTURAL POSITION
Top Anhydrite	NA	1336	+820	-3
Base Anhydrite	NA	1360	+796	-1
HEEBNER	3668	3673	-1517	-1
Lansing	3719	3723	-1567	-3
BKC	4035	4038	-1882	-4
Fort Scott	4219	4222	-2066	-4
CHEROKEE SH.	4237	4241	-2085	-4
Miss	4290	4294	-2138	-6

REFERENCE WELL FOR STRUCTURE DNOCI
McCoy-Pelton #1-29 2010' FSL + 2560' FWL Sec. 29-20s-20w

DAILY PENETRATION		BIT RECORD						
DATE	DEPTH	NO	SIZE	MAKE	TYPE	DEPTH OUT	FEET	HOURS

FORMATION	INTERVAL	DESCRIPTION OF SHOW	LOG ANALYSIS Ø	S W

No.

REMAR

DRILL STEM TESTS

Interval	IFP/Time	ISIP/Time	FFP/Time	FSIP/Time	IHH-FHH	RECOVERY

KS AND RECOMMENDATIONS

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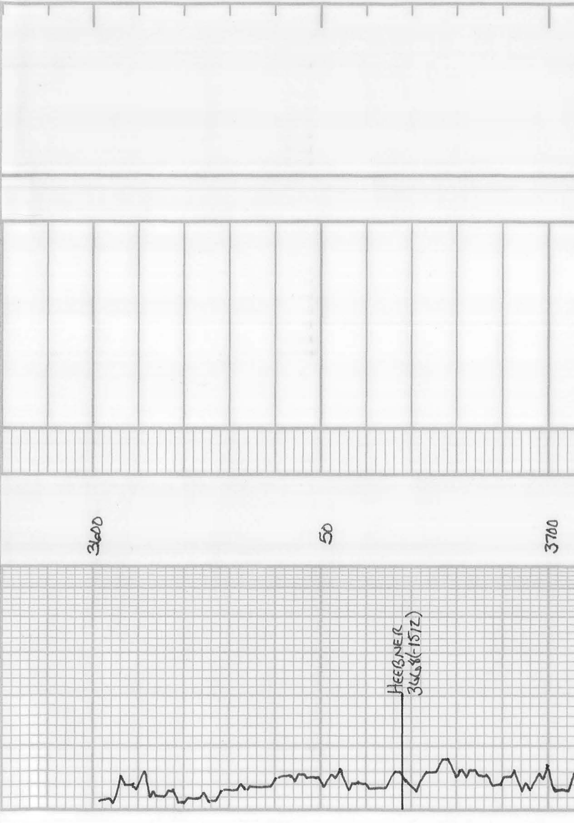

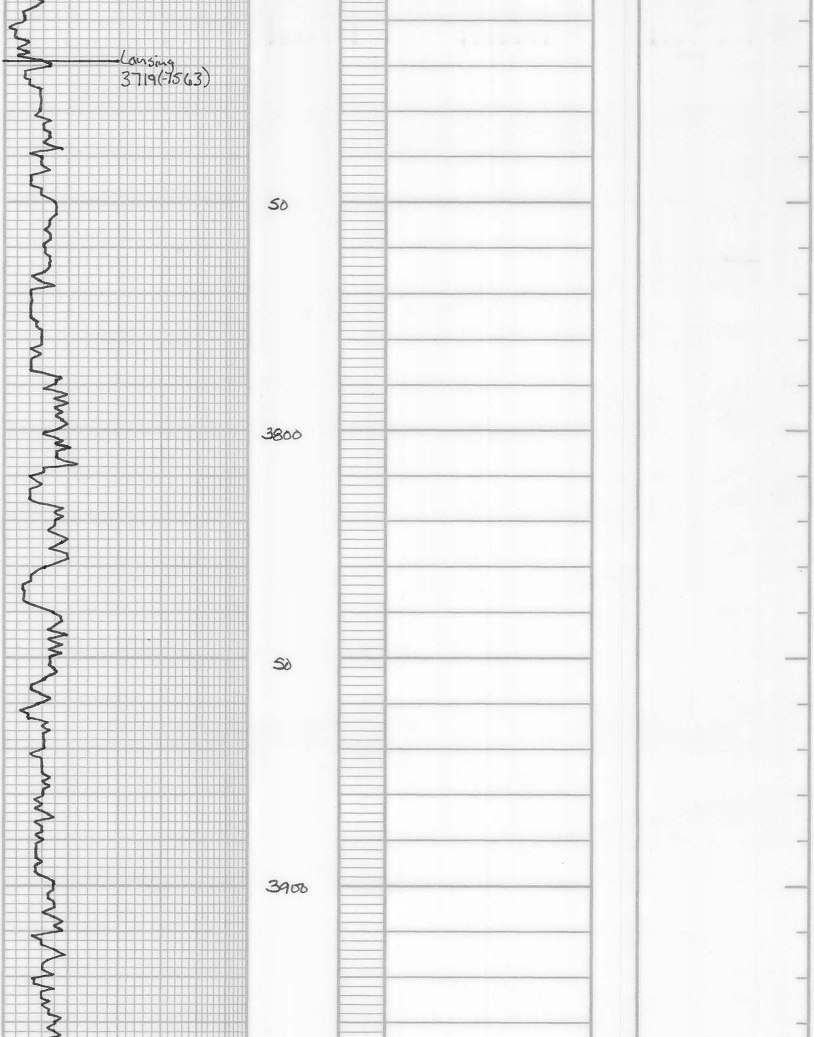

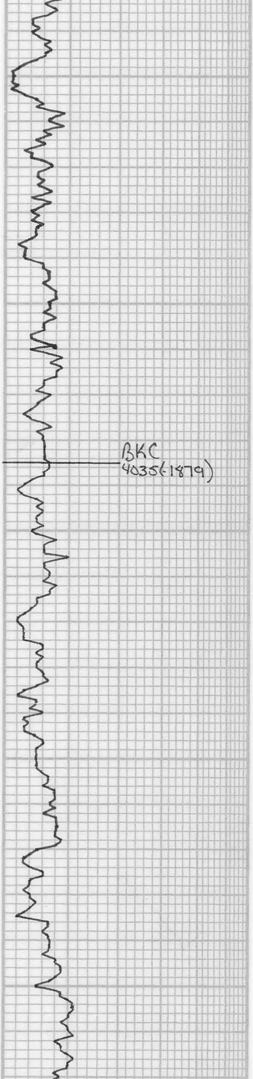

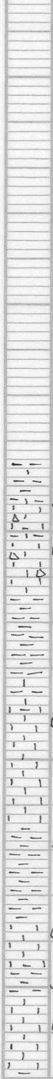

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4000

Sh: gry

LS: wht, Fnxln, mostly dns.
few ooc rx, NS. wht chta.

50

LS: AIA, few ooc rx, mostly
tite + barren.

Sh: dark gry w/ blk +
brn

LS: wht, md xln, ool. Fr oocø,
All NS. Trng dns w/

4100

No visø.

Sh: gry, few wht
LS stringers.

LS: Wht, Fn-vfn xln, No
visø, dns.

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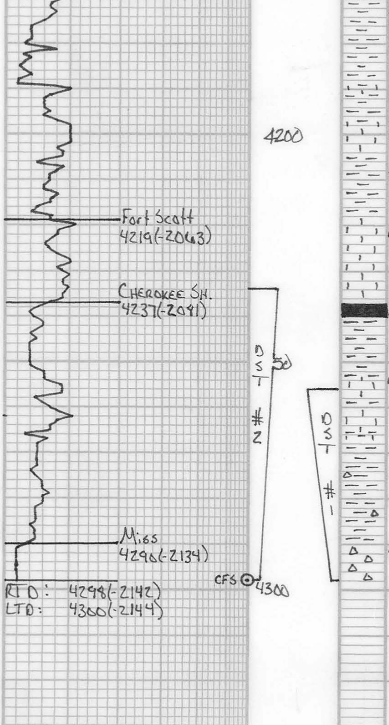
Sh: gry

LS: Much AIA, wht, vfn
xln, dns w/ prø.



Sh: dkk gry-blk. Trng brn w/ depth.

Sh: gry

LS: tan-wht, fn xln, prø & dns, NS.

Sh: Black Carb, trng dkk gry

LS: tan-brn, md xln, Foss, dolom in prt. Fr-gd intxlnø, vug in prt. Fr-gd sat w/ Fr SFO, lt-Fr Od. Trng wht-lt tan, fn xln & dns.

:9

Sh: Black Carb

Sh: gry

LS: tan, fn-md xln, few foss, 1-2 xx w/ Fr stn in pr vugø, NSFO, No Od.

Sh: gry w/ some brn.

scat yel chts.

Cht: wht, Fr Amt Fresh w/ edge stn, Fr Amt weath, Fr-gd weath w/ Fr vugø in prt, scat gd Fracø. gd brn sat stn, Fr SFO. gd Od, Scat gd grn Fluor, rest dull.

:5

DST #1
4256-4298
Tool malfunction –
miss-run. Rec: 150' mud

DST #2
4234-4298
30-45-30-45
I.F.- BOB 4min/6" SIB
F.F.- BOB 4min/½" SIB
IFP: 61-251
FFP: 273-417
SIP: 1233-1205
HP: 2203-2068
Rec:
440' GIP
880' GO 70%o
60' GMO 30%g, 60%o
BHT: 121°