

Marc A. Downing		Geologic Report			
Consulting Petroleum Geologist		Drilling Time and Sample Log			
Operator Downer-Nelson Oil Co., Inc.		Elevation			
Lease Dietz-Zwenger Unit No. 1-30		KB	2055		
API # 15-051-26843-0000		DF	2053		
Field Wildcat		GL	2047		
Location 965' FSL & 1430' FEL					
Sec. 30 Twp. 14s Rge. 18w		Casing Record Surface			
County Ellis State Kansas		Production			
Formation		Electrical Surveys			
Sample tops		CNDL, DIL, MEL, Sonic			
Log Tops		Datum			
		Struct Comp			
Top Anhydrite	1282	1285	+770	+10	
Base Anhydrite	1327	1324	+731	+13	
Topeka	3056	3058	-1003	+15	
Heebner	3311	3315	-1260	+12	
Toronto	3330	3334	-1279	+15	
LKC	3358	3362	-1307	+17	
BKC	3591	3594	-1539	+15	
Reworked Arbuckle	3645	3650	-1595	Absent	
Arbuckle	3662	3668	-1613	+22	
Total Depth	3767	3766	-1711		
Reference Well For Structural Comparison					
Gerald Schneider #1	Myrle F. Hoffman		450' FSL & 1825' FEL		
Sec. 30-14s-18w					

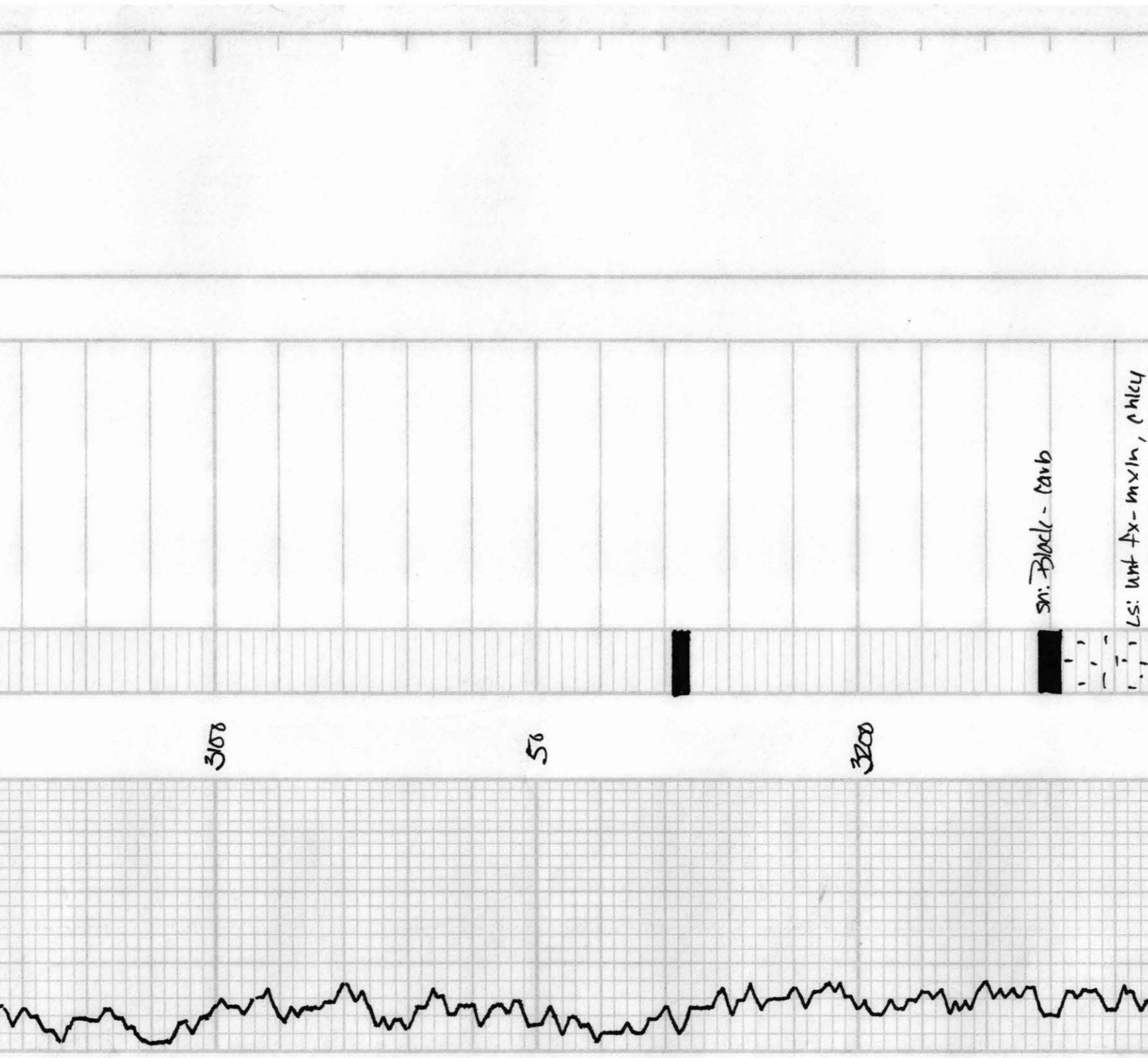
Drilling Contractor	Discovery Drilling, Rig #3	
Commenced	9-28-16	Completed 10-5-16
Samples Saved From	3200	To RTD
Drilling Time Kept From	2950	To RTD
Samples Examined From	3200	To RTD
Geological Supervision From	2950	To RTD

Summary and Recommendations

Due to structural position, DST recovery, and log evaluation, it was decided to set 5 1/2" production casing for completion.

Respectfully Submitted,

Marc A. Downing



REMARKS
Vis 50 WT 80 NL 80 LDM 3#
DST #1 3362-3394 30-30
Rec: 5' mud
IHP: 1687#
IFP: 8-10#
FFP: 11-12#
SIP: 326#
FFP: 1584#
Vis 44 WT 8.9 NL 8.0 LDM 2#
DST #2 3411-3440 45-45-45-45
Rec: 376' m/w
IHP: 1687#
IFP: 20-117#
FFP: 120-108#
SIP: 444-435#
FFP: 1622#
DST #3 3470-3522 45-45-45-60-60
Rec: 47' ocm
IHP: 1687#
IFP: 11-24#
FFP: 20-30#
SIP: 145-181#
FFP: 1633#
Vis 47 WT 8.0 NL 8.0 LDM 2#
DST #4 3517-3544 45-45-45-45
Rec: 320' gip
IHP: 1687#
IFP: 10-24#
FFP: 20-31#
SIP: 920-874#
FFP: 1703#
Vis 51 WT 9.1# NL 8.8 LDM 2#
DST #5 3629-3666 45-45-45-60-60
Rec: 174' gip
IHP: 1687#
IFP: 206 C90 (31° API)
FFP: 126 ocm
SIP: 659cm
FFP: 1641#
IFP: 24-71# (5' blow)
FFP: 77-135# (R98 43")
SIP: 1130-1146#
FFP: 1800#

Ala.

Down