

Tebo 29 2H

API Number: 0500507209

Niobrara Horizontal

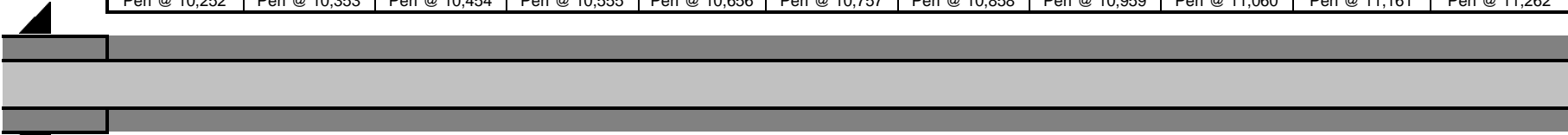
Horizontal Wellbore Schematic

Original Elevation (GL):	5,839'
KB Elevation (KB):	5,863'

String	Size	Weight	Grade	Thread	Top
Surface	9 5/8"	36	J-55	STC	24"
Interm.	7"	32	P-110	BTC	24"
Liner	4 1/2"	13.5	P-110	BTC	7,026'

ITEM	MD	TVD
4-1/2" Liner Top:	7,026'	7,024'
KOP:	7,180'	7,177'
45° :	7,705'	7,652'
90° :	8,442'	7,812'
PBTD:	12,341'	7,884'
TD:	12,430'	7,883'
Driller's TD:	12,436'	7,883'

Stg 20	Stg 19	Stg 18	Stg 17	Stg 16	Stg 15	Stg 14	Stg 13	Stg 12	Stg 11	Stg 10
Plug & Perf	Plug & Perf	Plug & Perf	Plug & Perf	Plug & Perf	Plug & Perf	Plug & Perf	Plug & Perf	Plug & Perf	Plug & Perf	Plug & Perf
Plug @ 10,333'	Plug @ 10,434'	Plug @ 10,535'	Plug @ 10,636'	Plug @ 10,737'	Plug @ 10,838'	Plug @ 10,939'	Plug @ 11,040'	Plug @ 11,141'	Plug @ 11,242'	Plug @ 11,343'
Perf @ 10,318'	Perf @ 10,419'	Perf @ 10,520'	Perf @ 10,621'	Perf @ 10,722'	Perf @ 10,823'	Perf @ 10,924'	Perf @ 11,025'	Perf @ 11,126'	Perf @ 11,227'	Perf @ 11,328'
Perf @ 10,302'	Perf @ 10,403'	Perf @ 10,504'	Perf @ 10,605'	Perf @ 10,706'	Perf @ 10,807'	Perf @ 10,908'	Perf @ 11,009'	Perf @ 11,110'	Perf @ 11,211'	Perf @ 11,312'
Perf @ 10,285'	Perf @ 10,386'	Perf @ 10,487'	Perf @ 10,588'	Perf @ 10,689'	Perf @ 10,790'	Perf @ 10,891'	Perf @ 10,992'	Perf @ 11,093'	Perf @ 11,194'	Perf @ 11,295'
Perf @ 10,269'	Perf @ 10,370'	Perf @ 10,471'	Perf @ 10,572'	Perf @ 10,673'	Perf @ 10,774'	Perf @ 10,875'	Perf @ 10,976'	Perf @ 11,077'	Perf @ 11,178'	Perf @ 11,279'
Perf @ 10,252'	Perf @ 10,353'	Perf @ 10,454'	Perf @ 10,555'	Perf @ 10,656'	Perf @ 10,757'	Perf @ 10,858'	Perf @ 10,959'	Perf @ 11,060'	Perf @ 11,161'	Perf @ 11,262'



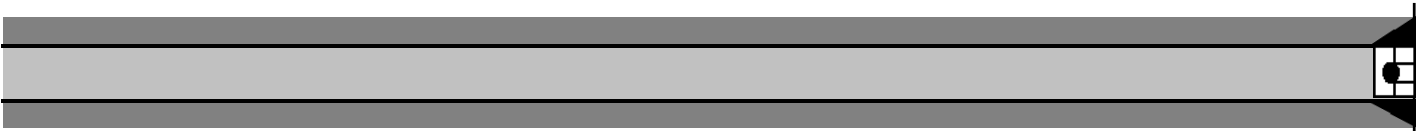
7" Shoe
8,163'

Stg 40	Stg 39	Stg 38	Stg 37	Stg 36	Stg 35	Stg 34	Stg 33	Stg 32	Stg 31	Stg 30
Plug & Perf	Plug & Perf	Plug & Perf	Plug & Perf	Plug & Perf	Plug & Perf	Plug & Perf	Plug & Perf	Plug & Perf	Plug & Perf	Plug & Perf
Plug @ 8,313'	Plug @ 8,414'	Plug @ 8,515'	Plug @ 8,616'	Plug @ 8,717'	Plug @ 8,818'	Plug @ 8,919'	Plug @ 9,020'	Plug @ 9,121'	Plug @ 9,222'	Plug @ 9,323'
Perf @ 8,298'	Perf @ 8,399'	Perf @ 8,500'	Perf @ 8,601'	Perf @ 8,702'	Perf @ 8,803'	Perf @ 8,904'	Perf @ 9,005'	Perf @ 9,106'	Perf @ 9,207'	Perf @ 9,308'
Perf @ 8,282'	Perf @ 8,383'	Perf @ 8,484'	Perf @ 8,585'	Perf @ 8,686'	Perf @ 8,787'	Perf @ 8,888'	Perf @ 8,989'	Perf @ 9,090'	Perf @ 9,191'	Perf @ 9,292'
Perf @ 8,265'	Perf @ 8,366'	Perf @ 8,467'	Perf @ 8,568'	Perf @ 8,669'	Perf @ 8,770'	Perf @ 8,871'	Perf @ 8,972'	Perf @ 9,073'	Perf @ 9,174'	Perf @ 9,275'
Perf @ 8,249'	Perf @ 8,350'	Perf @ 8,451'	Perf @ 8,552'	Perf @ 8,653'	Perf @ 8,754'	Perf @ 8,855'	Perf @ 8,956'	Perf @ 9,057'	Perf @ 9,158'	Perf @ 9,259'
Perf @ 8,232'	Perf @ 8,333'	Perf @ 8,434'	Perf @ 8,535'	Perf @ 8,636'	Perf @ 8,737'	Perf @ 8,838'	Perf @ 8,939'	Perf @ 9,040'	Perf @ 9,141'	Perf @ 9,242'

Bottom	Bit Size	Sacks	TOC
2118"	13 1/2"	650	Surface
8163"	8 3/4"	535	692'
12,430'	6"	330	5,403'

Stg 9	Stg 8	Stg 7	Stg 6	Stg 5	Stg 4	Stg 3	Stg 2	Stg 1
Plug & Perf	Plug & Perf	Plug & Perf	Plug & Perf	Plug & Perf	Plug & Perf	Plug & Perf	Plug & Perf	Plug & Perf
Plug @ 11,444'	Plug @ 11,545'	Plug @ 11,646'	Plug @ 11,747'	Plug @ 11,848'	Plug @ 11,949'	Plug @ 12,050'	Plug @ 12,151'	Plug @ '
Perf @ 11,429'	Perf @ 11,530'	Perf @ 11,631'	Perf @ 11,732'	Perf @ 11,833'	Perf @ 11,934'	Perf @ 12,035'	Perf @ 12,136'	Perf @ 12,311'
Perf @ 11,413'	Perf @ 11,514'	Perf @ 11,615'	Perf @ 11,716'	Perf @ 11,817'	Perf @ 11,918'	Perf @ 12,019'	Perf @ 12,120'	Perf @ 12,276'
Perf @ 11,396'	Perf @ 11,497'	Perf @ 11,598'	Perf @ 11,699'	Perf @ 11,800'	Perf @ 11,901'	Perf @ 12,002'	Perf @ 12,103'	Perf @ 12,241'
Perf @ 11,380'	Perf @ 11,481'	Perf @ 11,582'	Perf @ 11,683'	Perf @ 11,784'	Perf @ 11,885'	Perf @ 11,986'	Perf @ 12,087'	
Perf @ 11,363'	Perf @ 11,464'	Perf @ 11,565'	Perf @ 11,666'	Perf @ 11,767'	Perf @ 11,868'	Perf @ 11,969'	Perf @ 12,070'	

4-1/2" Shoe
12,436'

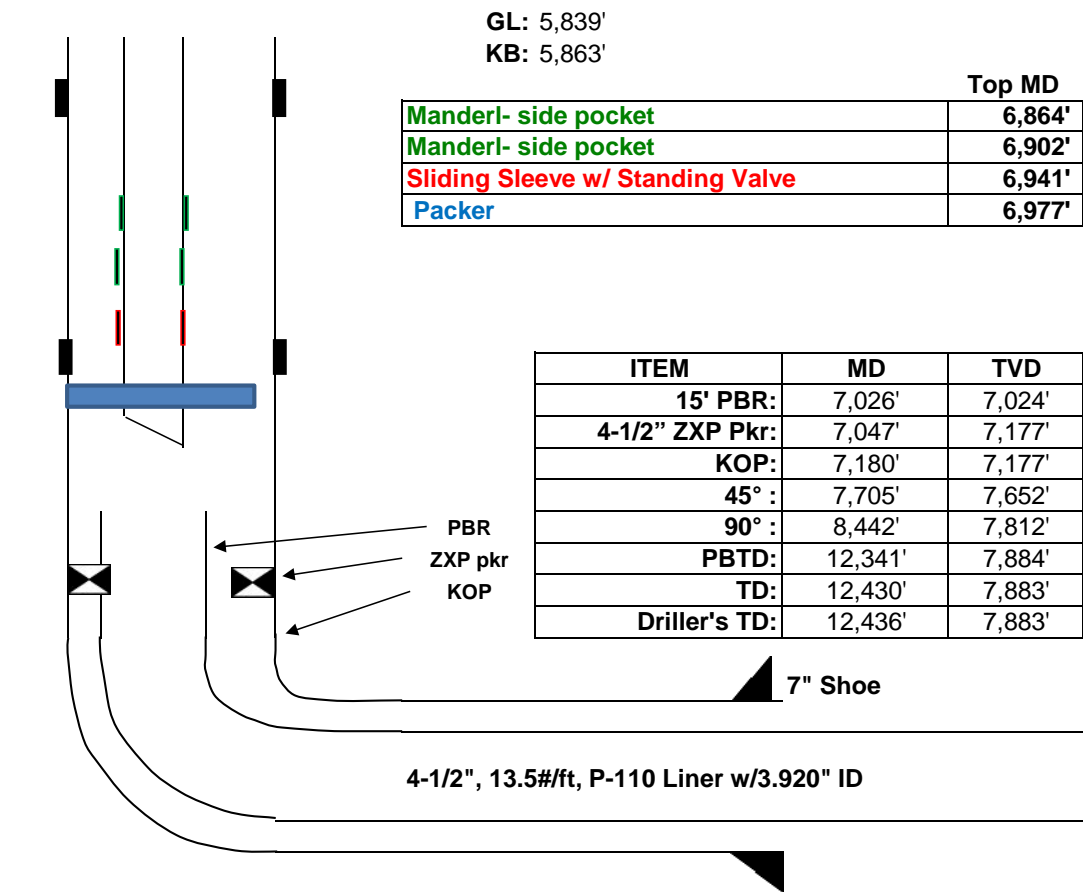


Stg 29	Stg 28	Stg 27	Stg 26	Stg 25	Stg 24	Stg 23	Stg 22	Stg 21
Plug & Perf	Plug & Perf	Plug & Perf	Plug & Perf	Plug & Perf	Plug & Perf	Plug & Perf	Plug & Perf	Plug & Perf
Plug @ 9,424'	Plug @ 9,525'	Plug @ 9,626'	Plug @ 9,727'	Plug @ 9,828'	Plug @ 9,929'	Plug @ 10,030'	Plug @ 10,131'	Plug @ 10,232'
Perf @ 9,409'	Perf @ 9,510'	Perf @ 9,611'	Perf @ 9,712'	Perf @ 9,813'	Perf @ 9,914'	Perf @ 10,015'	Perf @ 10,116'	Perf @ 10,217'
Perf @ 9,393'	Perf @ 9,494'	Perf @ 9,595'	Perf @ 9,696'	Perf @ 9,797'	Perf @ 9,898'	Perf @ 9,999'	Perf @ 10,100'	Perf @ 10,201'
Perf @ 9,376'	Perf @ 9,477'	Perf @ 9,578'	Perf @ 9,679'	Perf @ 9,780'	Perf @ 9,881'	Perf @ 9,982'	Perf @ 10,083'	Perf @ 10,184'
Perf @ 9,360'	Perf @ 9,461'	Perf @ 9,562'	Perf @ 9,663'	Perf @ 9,764'	Perf @ 9,865'	Perf @ 9,966'	Perf @ 10,067'	Perf @ 10,168'
Perf @ 9,343'	Perf @ 9,444'	Perf @ 9,545'	Perf @ 9,646'	Perf @ 9,747'	Perf @ 9,848'	Perf @ 9,949'	Perf @ 10,050'	Perf @ 10,151'

TD
12,341'

For Vertical Wellbore Schematic see previous page

Tebo 29 2H
 Niobrara Horizontal



String	Size	Weight	Grade	Thread	Top	Bottom	TOC
Surface	9 5/8"	36	J-55	STC	24'	2,118'	Surface
Interm.	7"	32	P-110	BTC	24'	7,703'	24
Liner	4 1/2"	13 1/2	P-110	BTC	7,026'	12,430'	5,403'

String	Drift (in)	Capacity (BBL/ft)	Burst (psi)	Collapse (psi)	Tension (psi)
Surface	8.765	0.0773	3061	1,924	281,429
Interm.	5.969	0.0361	7700	10,248	640,714
Liner	3.795	0.0149	9500	10,162	301,429

Tubing Components

Item Des	Jts	OD Nom. (in)	Wt (lb/ft)	Grade	Top Thread	Len (ft)	Top MD (ft)
Tubing Hanger	1	7 1/16	4.7	L-80	EUE 8RD	0.65	24
Tubing	1	2 3/8	4.7	L-80	EUE 8RD	30.91	24.65
Tubing Pup Joint	1	2 3/8	4.7	L-80	EUE 8RD	6.1	55.56
Tubing	220	3.08	4.7	L-80	EUE 8RD	6,802.48	61.66
Manderl- side pocket	1	2 3/8	4.7	L-80	EUE 8RD	6.65	6864.14
Tubing	1	2 3/8	4.7	L-80	EUE 8RD	31.43	6870.79
Manderl- side pocket	1	2 3/8	4.7	L-80	EUE 8RD	6.65	6902.22
Tubing	1	2 3/8	4.7	L-80	EUE 8RD	31.83	6908.87
Sliding Sleeve w/ Standing Valve	1	4 1/4	4.7	L-80	EUE 8RD	3.13	6940.7
Tubing	1	2 3/8	4.7	L-80	EUE 8RD	31.45	6943.83
C/O 2 7/8 X 2 3/8	1	3.08	4.7	L80	EUE 8RD	0.67	6975.28
On-Off Tool	1	5 1/2	4.7	L80	EUE 8RD	1.5	6975.95
Packer	1	5.91	4.7	L80	EUE 8RD	7.9	6977.45
C/O 2 7/8 X 2 3/8	1	3.69	4.7	L80	EUE 8RD	0.65	6985.35
Ceramic disc sub	1	3.08	4.7	L80	EUE 8RD	1.29	6986
Tubing Pup Joint	1	2 3/8	4.7	L80	EUE 8RD	6.13	6987.29
XN 1.875 BX	1	3.08	4.7	L80	EUE 8RD	0.95	6993.42
Tubing Pup Joint	1	2 3/8	4.7	L80	EUE 8RD	6.1	6994.37
XN 1.875 BXN	1	3.08	4.7	L80	EUE 8RD	1.05	7000.47
Manderl- side pocket	1	3.08	4.7	L80	EUE 8RD	4.05	7001.52
Wireline Guide	1	3.08	4.7	L80	EUE 8RD	0.65	7005.57