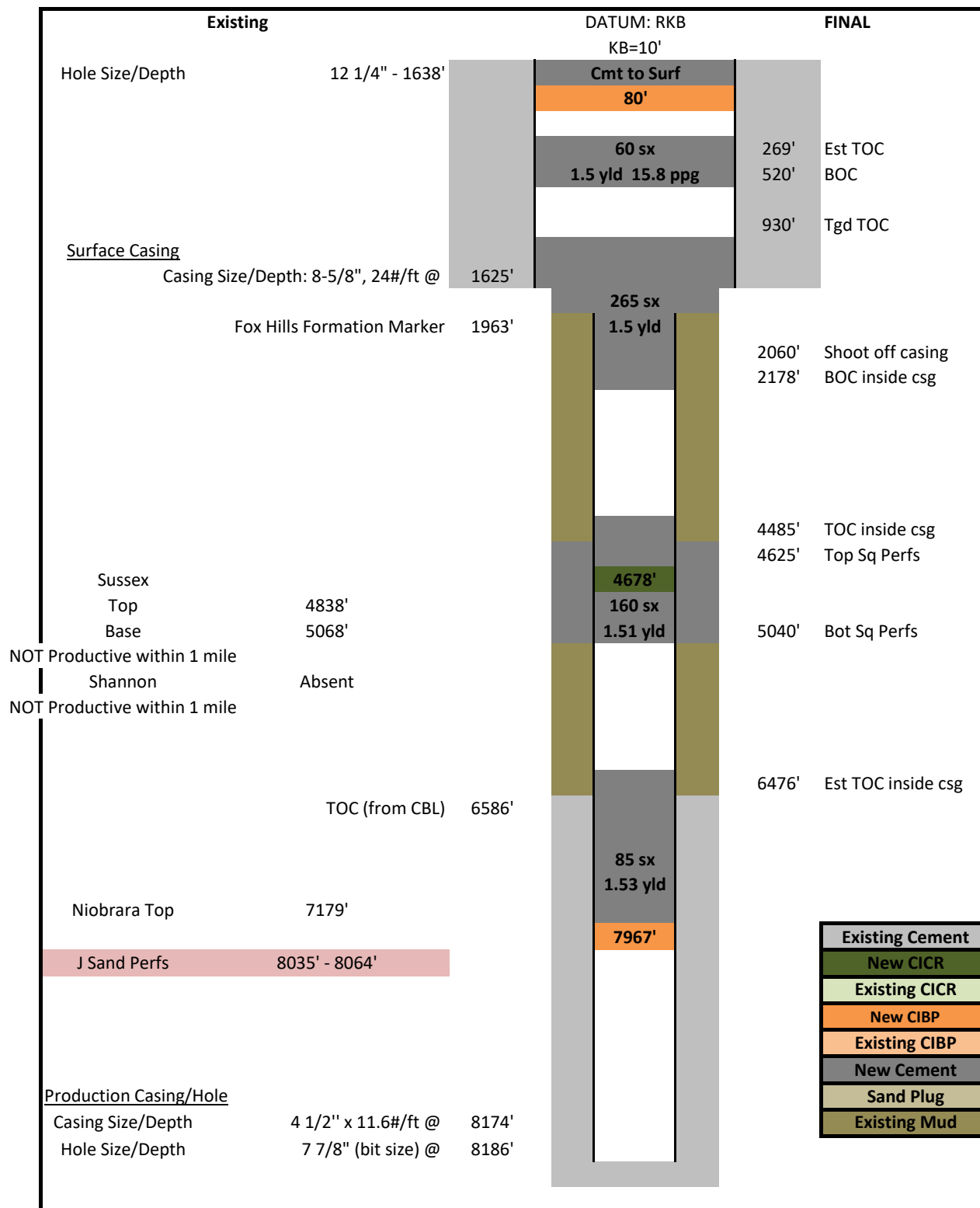


API:	05-001-09332	KB ELEVATION:	5239	QTR-QTR:	NENE
WELL NAME:	HSR-LOMA ALTA 1-21	GROUND LEVEL:	5229	SECTION:	21
COUNTY:	ADAMS	MD:	8186	TOWNSHIP:	1S
LATITUDE:	39.95422	PBMD:	8145	RANGE:	65W
LONGITUDE:	-104.6642076	CREATED BY:	D. HASZ		
		DATE:	4/24/2017		



OW RPT    OW CMT    WELLBOR    CMT    WL

	80		80	80
		269	269	no tag
60 sx	60 sx		60 sx	
	520	520	520	
tg 930	930		954	we tagged

	265 sx	265 sx	265 sx	
collar	2060		2060	2060
	2178	2178	2165	

	est 3900	4485	4485	
collar	4625		4625	4625
	4678		4678	
160 sx	160 sx		160 sx	pio
	5040	5040	5040	5040

		6476	6476	
85 sx	85 sx		85 sx	
	7967	7967	7967	WE SET

GENERAL INPUTS	
Name	David Hasz
Cell Phone Number	970-371-8820
Date	4/24/2017
WELL INPUTS	
Well Name	HSR-LOMA ALTA 1-21
API #	05-001-09332
WINS #	75461
Gyro Date:	
Surface Hole Size (in)	12-1/4
Prod Hole Size (in)	7-7/8
Surface Casing (size/wt)	8-5/8", 24#
Surface Casing Shoe (ft)	1625
Prod csg (size/wt)	4-1/2", 11.6#
Production Casing Shoe (ft)	8174
Tubing OD (in)	2-3/8"
Tubing Set Depth (ft)	8000
Collar Above CIBP (ft)	7950
Hyd. Set Collar Below CIBP (ft)	7988
Y Niobrara CIBP / BOC (ft)	7970
Niobrara TOC (ft)	6775
Niobrara Cement Vol (sx)	75
SUSX/SH Bot Sq Holes (ft)	5040
SUSX/SH Top Sq Holes (ft)	4635
SUSX/SH Cmt Above CIBP (bbls)	3
SUSX/SH TOC in Casing (ft)	4475
SUSX/SH OH Excess Factor (%)	60
SUSX/SH Cement Vol (sx)	155
Bradenhead Issues? (Y/N)	N
Stub Plug BOC (ft)	2165
Cut Casing Depth (ft)	2065
Stub Plug TOC Form6 (ft)	1575
Stub Plug TOC Calc (ft)	1425
Stub Plug Cement Vol (sx)	260
Stub OH Excess Factor (%)	100
GEOLOGY INPUTS	
FHM (ft)	1963
Sussex Top (ft)	4838
Sussex Base (ft)	5068
Shannon Base (ft)	Absent
Niobrara Top (ft)	7179
QUESTIONS?	
Who Drilled Well?	HS Resources Inc.
Straight or Deviated Hole?	Straight
Age of well (yr)	21
Any squeeze holes? (Y/N)	N
Details of Integrity Issues?	NONE
SUSX Productive? (Y/N)	N
SH Productive? (Y/N)	N
Gyro Found (Y/N)	N
CBL Found (Y/N)	Y
Packer Downhole? (Y/N)	N
Packer Depth (ft)	7500

Tubular	ID	Wt.
Surf. Csg.	8.625	24
Prod. Csg.	4.5	11.6
SQ Prod. Hole	7.88	
Stub Prod. Hole	7.88	

\*Leave blank if collars unknown

\*Leave blank if collars unknown

\*Hydraulically set plug allowed if CBL found and Prod Csg > 4

Recommended Volume (sx)
68.2

Recommended Volume (sx)
148.5

Recommended Volume (sx)
260

Cut Circ. Vol. 1 (bbl)	157
Cut Circ. Vol. 2 (bbl)	159

\*Limited to 100 bbl in p

1.5"

prog