API:	**05-123-14981**	**KB ELEVATION:**	**4864**	**QTR-QTR:**	**NWSW**
WELL NAME:	**UPRR 41 PAN AM K 2**	**GROUND LEVEL:**	**4854**	**SECTION:**	**5**
COUNTY:	**WELD**	**MD:**	**7942**	**TWNSHIP:**	**3N**
LATITUDE:	**40.2514982**	**PBMD:**	**7887**	**RANGE:**	**67W**
LONGITUDE:	**-104.9186184**	**CREATED BY:**	**D. HASZ**		
		DATE:	1/28/2017		

Existing

DATUM: RKB
KB=10'

Proposed

Hole Size/Depth 12 1/4" - 539'

Surface Casing

Casing Size/Depth: 8 5/8, 24#/ft @ 514'

Fox Hills Formation Marker 680'

Sussex TOC (from CBL) 3890'
Top 4027'
Base 4241'
NOT Productive within 1 mile

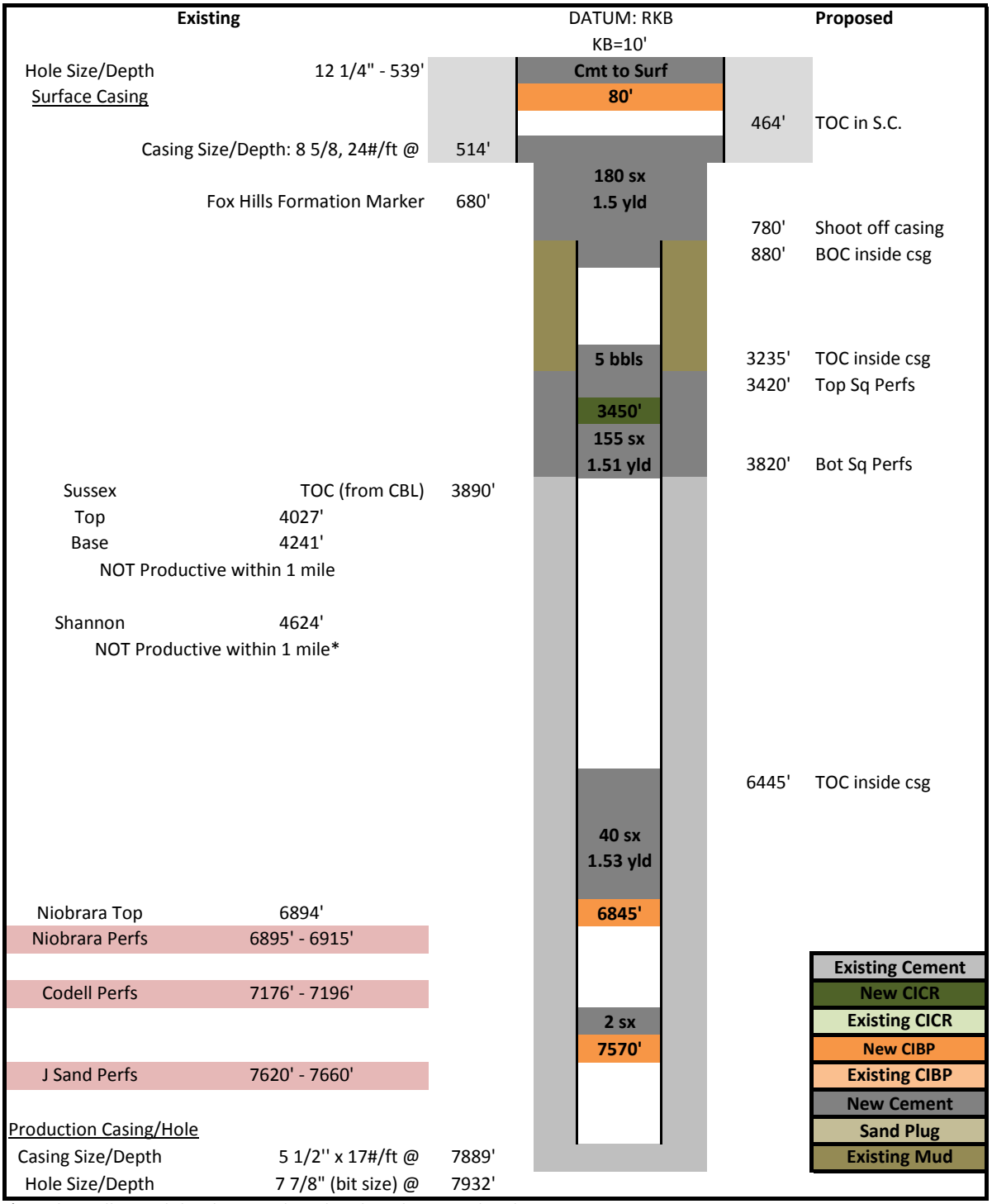
Shannon 4624'
NOT Productive within 1 mile*

Niobrara Top 6894'
Niobrara Perfs 6895' - 6915'

Codell Perfs 7176' - 7196'

J Sand Perfs 7620' - 7660'

Production Casing/Hole
Casing Size/Depth 5 1/2'' x 17#/ft @ 7889'
Hole Size/Depth 7 7/8" (bit size) @ 7932'



*Nearby well tested the shannon, but abandoned it immediately

GENERAL INPUTS	
Name	David Hasz
Cell Phone Number	970-371-8820
Date	1/28/2017
WELL INPUTS	
Well Name	UPRR 41 PAN AM K 2
API #	05-123-14981
WINS #	76834
Gyro Date:	Apr-14
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)	514
Prod csg (size/wt)	5-1/2", 17#
Production Casing Shoe (ft)	7889
Tubing OD (in)	2-3/8"
Tubing Set Depth (ft)	7596
Collar Above JSand CIBP (ft)	7550
Collar Below JSand CIBP (ft)	7590
J Sand CIBP (ft)	7570
Collar Above Nio CIBP (ft)	6830
Collar Below Nio CIBP (ft)	6874
Niobrara CIBP / BOC (ft)	6845
Niobrara TOC (ft)	6445
Niobrara Cement Vol (sx)	40
SUSX/SH Bot Sq Holes (ft)	3820
SUSX/SH Top Sq Holes (ft)	3420
SUSX/SH Cmt Above CICR (bbls)	5
SUSX/SH TOC in Casing (ft)	3235
SUSX/SH OH Excess Factor (%)	60
SUSX/SH Cement Vol (sx)	155
Bradenhead Issues? (Y/N)	N
Stub Plug BOC (ft)	880
Cut Casing Depth (ft)	780
Stub Plug TOC Form6 (ft)	464
Stub Plug TOC Calc (ft)	310
Stub Plug Cement Vol (sx)	180
Stub OH Excess Factor (%)	100
GEOLOGY INPUTS	
FHM (ft)	680
Sussex Top (ft)	4027
Sussex Base (ft)	4241
Shannon Base (ft)	4624
Niobrara Top (ft)	6894
QUESTIONS?	
Who Drilled Well?	Amoco Production Con
Straight or Deviated Hole?	Straight
Age of well (yr)	25
Any squeeze holes? (Y/N)	N
Details of Integrity Issues?	NONE
SX Productive? (Y/N)	N
SH Productive? (Y/N)	N
Gyro Found (Y/N)	Y
CBL Found (Y/N)	Y
Packer Downhole? (Y/N)	Y
Packer Depth (ft)	6396

Tubular	ID (in)	Wt. (#)
Surf. Csg.	8.625	24
Prod. Csg.	5.5	17
SQ Prod. Hole	7.88	
Stub Prod. Hole	7.88	

Recommended Volume (sx)
34.1

Recommended Volume (sx)
150.4

Recommended Volume (sx)
180

Cut Circ. Vol. 1 (bbl)	65
Cut Circ. Vol. 2 (bbl)	68

*No end punctuation

*If No Integrity Issues, Put "NONE".

*Packer depth below is ignored if "N"

*Rounded up to nearest 10sx

*Limited to 100 bbl in prog