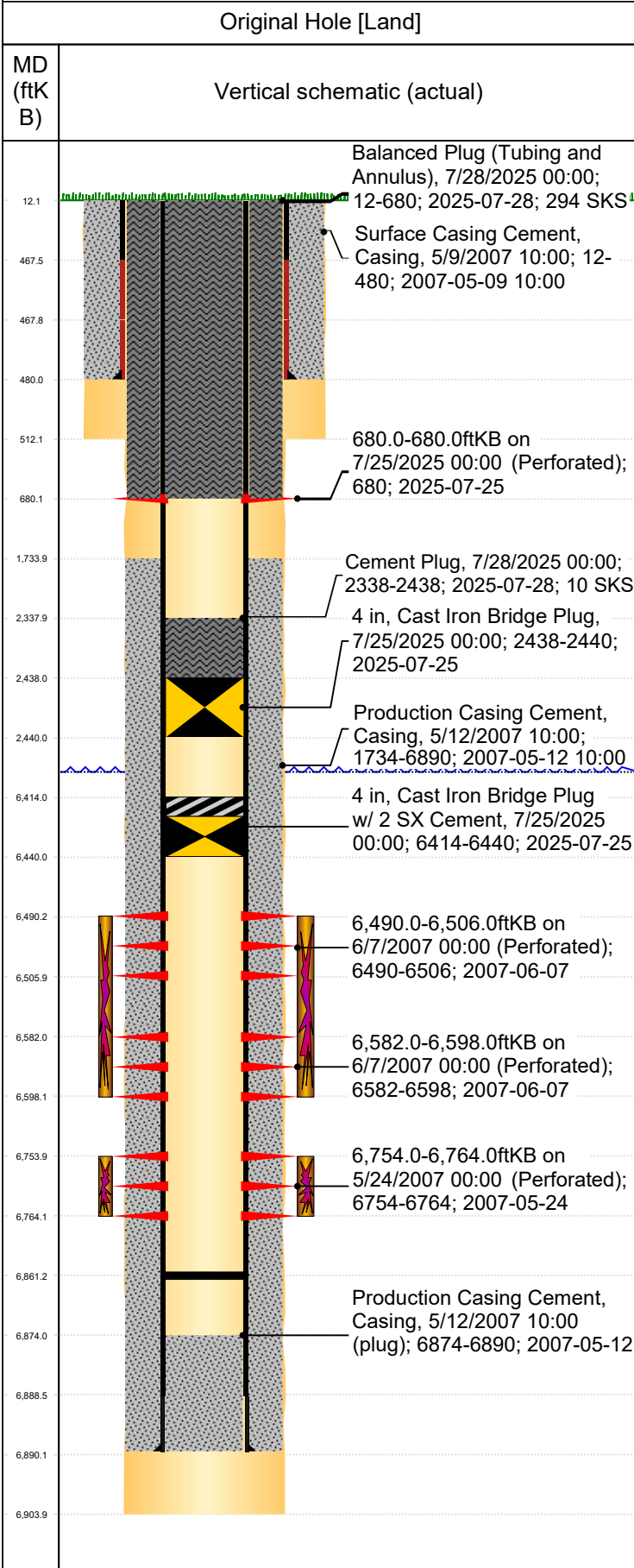




# PA Wellbore For State - Vertical

Well Name: WELLS RANCH USX AA35-12



Well Header				
Surface UWI	Business Unit	Gov Auth Dist	Prod Tree Loc	
0512325052	Rockies		Land	
Orig. KB to Gnd (ft)	Original Spud Date	Abandon Date	Well Sub-Status	High...
12.00	5/8/2007	9/5/2025	PA	N
Comment FRAC'D INTO BY THE 35-05				

Geologic Horizons	
Formation Name	Final Top MD (ftKB)
FOXHILLS-BASE PROD	393.5
Formation Name	Final Top MD (ftKB)
UPPER PIERRE AQUIFER-TOP PROD	567.0
Formation Name	Final Top MD (ftKB)
UPPER PIERRE AQUIFER-BASE PROD	1,634.0
Formation Name	Final Top MD (ftKB)
A SAND-TOP PROD	2,457.6
Formation Name	Final Top MD (ftKB)
PIERRE	2,729.0
Formation Name	Final Top MD (ftKB)
A SAND-BASE PROD	3,046.1
Formation Name	Final Top MD (ftKB)
PARKMAN	3,559.0
Formation Name	Final Top MD (ftKB)
SUSSEX-TOP PROD	4,088.0
Formation Name	Final Top MD (ftKB)
SUSSEX-BASE PROD	4,501.1
Formation Name	Final Top MD (ftKB)
SHANNON-TOP PROD	4,885.4
Formation Name	Final Top MD (ftKB)
SHANNON-BASE PROD	5,063.9
Formation Name	Final Top MD (ftKB)
TEEPEE BUTTES	5,734.0
Formation Name	Final Top MD (ftKB)
TEPEE BUTTES	5,855.6
Formation Name	Final Top MD (ftKB)
INTRA SHARON SPGS MK	6,449.1
Formation Name	Final Top MD (ftKB)
NIOBRARA-TOP PROD	6,484.0
Formation Name	Final Top MD (ftKB)
NIO A CHALK	6,484.5
Formation Name	Final Top MD (ftKB)
NIO A MARL	6,512.3
Formation Name	Final Top MD (ftKB)
NIO B CHALK	6,566.3
Formation Name	Final Top MD (ftKB)
NIO B MARL	6,599.5
Formation Name	Final Top MD (ftKB)
NIO C CHALK	6,642.7
Formation Name	Final Top MD (ftKB)
NIO C MARL	6,680.4
Formation Name	Final Top MD (ftKB)
NIO D CHALK	6,708.4
Formation Name	Final Top MD (ftKB)
NIO FT HAYS	6,730.3
Formation Name	Final Top MD (ftKB)
CARLILE	6,764.7
Formation Name	Final Top MD (ftKB)
CODELL	6,754.0
Formation Name	Final Top MD (ftKB)
GREENHORN	6,828.0

Surface Location (Congressional)								
Qtr 3	Qtr 4	Section	Twnshp	Twnsh...	Range	Rng E/...	Latitude (°)	Longitude (°)
NW	SW	35	6	N	63	W	40.44161937	-104.410941908
							5	

Wellbore Sections			
Section Des	Hole Size (in)	Top Depth (ftKB)	Btm Depth (ftKB)
SURFACE	12 1/4	12.0	512.0
PRODUCTION	7 7/8	512.0	6,904.0

Casing Strings						
Csg Des	Run Date	OD (in)	Wt/Len (lb/ft)	Grade	Top Depth (MD) (ftKB)	Set Depth (MD) (ftKB)
Surface	5/10/2007	8 5/8	24.00	J-55	12	480
Production Casing	5/12/2007	4 1/2	11.60	M-80	12	6890

Cement			
Des	Start Date	Top (ftKB)	Btm (ftKB)
SURFACE CASING CEMENT	5/9/2007	12.0	480.0