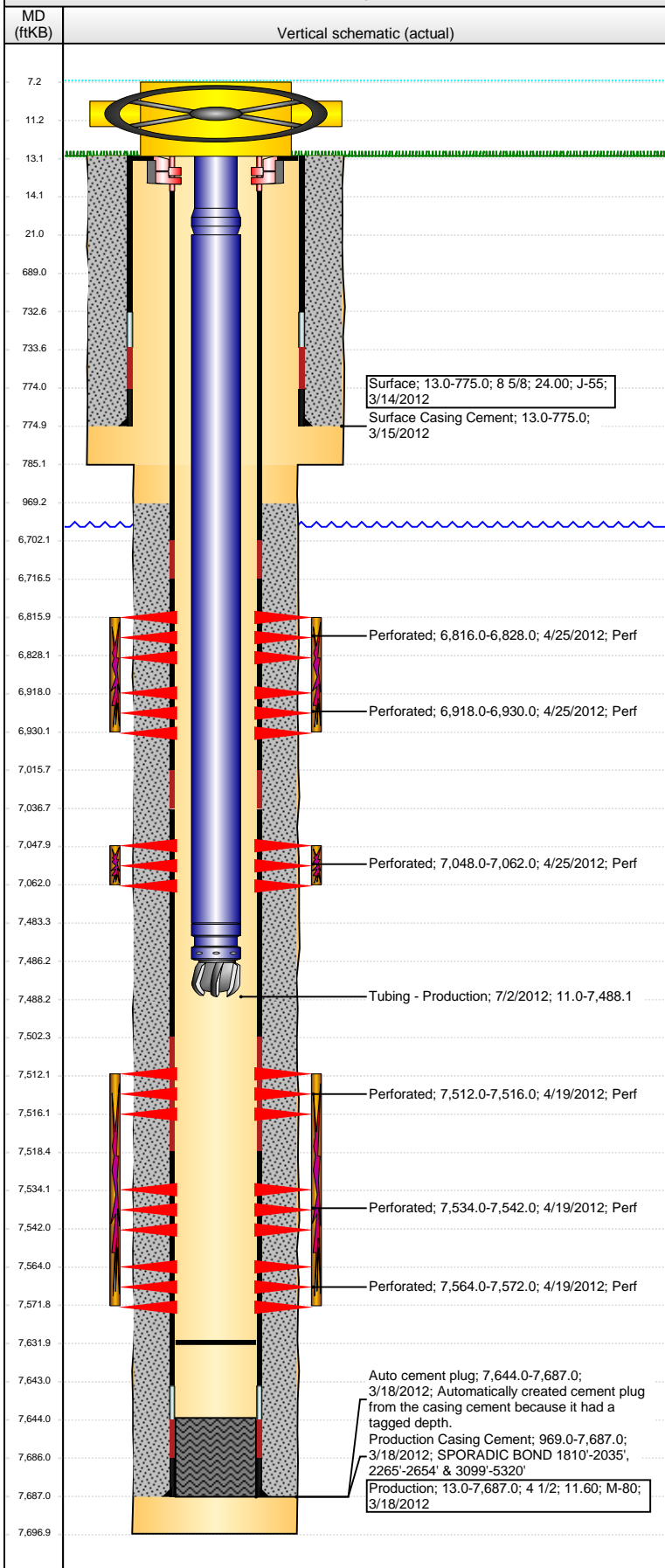


Well Name: KY BLUE D30-32

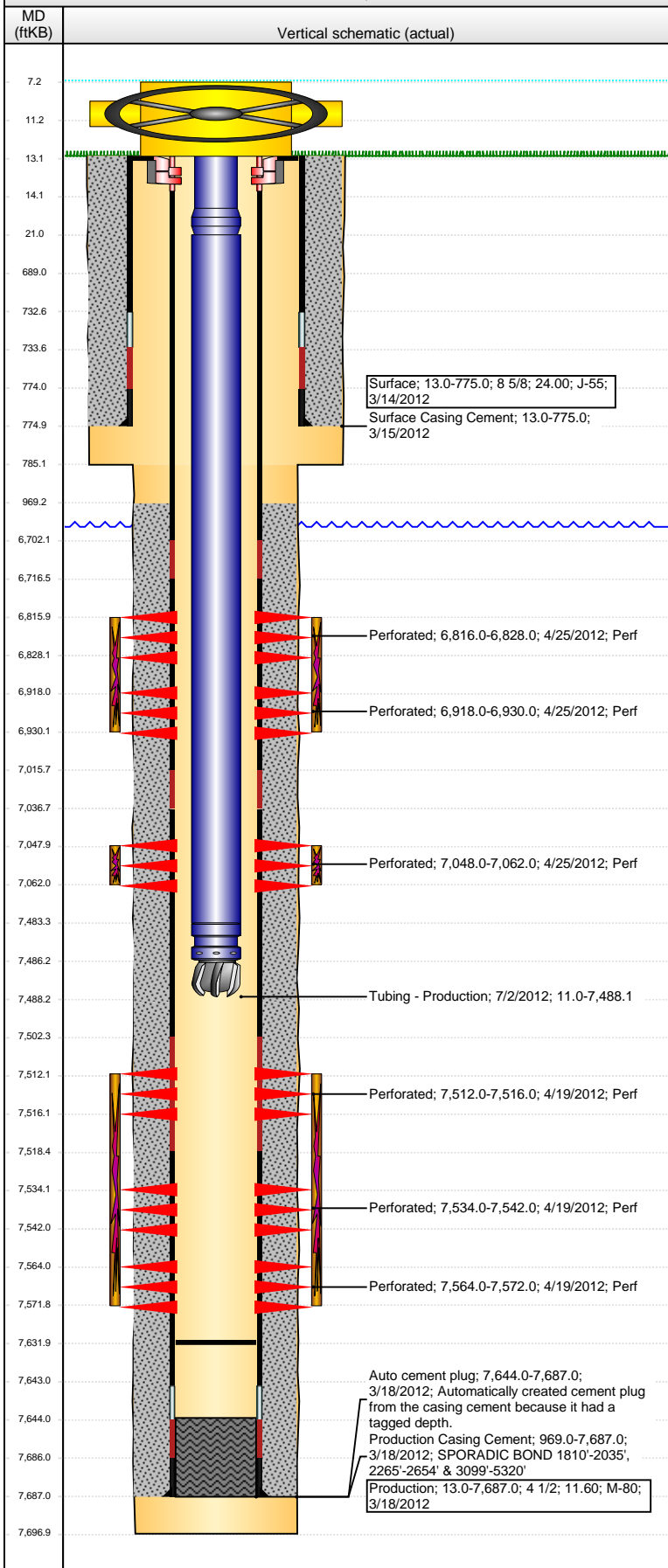
VERTICAL - ORIGINAL HOLE, 9/7/2016 2:02:30 PM



Well Header			
API	Business Unit	District	Well Config
05-123-34348	DJ BASIN	15	VERTICAL
Original KB Elevation (ft)	KB - GL / MSL (ftKB)	Spud Date	P & A Date
4,807	13.00	3/14/2012	
Comment			
1/2 PUMP OFF SUB BIT /CONE BIT @ 7632.02' KB			
Directions To Well			
FROM WCR 30 & 49, GO SOUTH 0.7 MILE, WEST 0.1 MILES, FOLLOW LEASE ROAD NORTHWEST 0.1 MILE INTO LOCATION			
Congressional Location			
Quarter 3	Quarter 4	Section	Township
NE	SE	25	3 N
Range		Range E/W Dir	
65		W	
Bottom Hole Location			
North-South Distance (ft)		From E or W Line	
Plug Back Total Depths			
Date	Depth (ftKB)	Method	Com
3/18/2012	7,644.0	CASING TALLY	FLOAT COLLAR
4/4/2012	7,629.0	CASED HOLE LOG	DEPTH LOGGER
7/2/2012	7,632.0	TBG TALLY	7' IN 248JT USING N2/CONE BIT
Wellbore Sections			
Section Des	Size (in)	Act Top, MD (ftKB)	Act Btm, MD (ftKB)
SURFACE	12 1/4	13	785
PRODUCTION	7 7/8	785	7,697
Zone Statuses			
Zone Name	Status Date	Status	Fluid Type
NIOBRARA	4/27/2012	PR	
CODELL	4/27/2012	PR	
J SAND	4/27/2012	PR	
Casing Strings			
Surface, 775.0ftKB			
Casing Description	Run Date	OD (in)	Wt/Len (l...)
Surface	3/14/2012	8 5/8	24.00
Production, 7,687.0ftKB			
Casing Description	Run Date	OD (in)	Wt/Len (l...)
Production	3/18/2012	4 1/2	11.60
Cement			
Description	Top Depth (ftKB)	Bottom Depth (ftKB)	
Surface Casing Cement	13.0	775.0	
Description	Top Depth (ftKB)	Bottom Depth (ftKB)	
Production Casing Cement	969.0	7,687.0	
Tubing Strings			
Tubing Description	Run Date	String...	ID (in)
Tubing - Production	7/2/2012	2 3/8	1.995
Tubing Components			
Item Des	OD (in)	Wt (lb/ft)	Grade
Pup Joint	2 3/8	4.70	J-55
Tubing	2 3/8	4.70	J-55
Pump Seating	2 3/8	1.10	N-80
Nipple	2 3/8	1.10	N-80
1/2 PUMP OFF SUB BIT	2 3/8	1.10	N-80
Perforation Data			
Zone	Bnch/St g	Entered Shot Total	Top (ftKB)
NIOBRARA, ORIGINAL HOLE	B	24	6,816.00
NIOBRARA, ORIGINAL HOLE	C	24	6,918.00
CODELL, ORIGINAL HOLE		56	7,048.00
J SAND, ORIGINAL HOLE	01	16	7,512.00
J SAND, ORIGINAL HOLE	01	32	7,534.00
J SAND, ORIGINAL HOLE	01	32	7,564.00
Date			
4/25/2012			
4/25/2012			
4/25/2012			
4/19/2012			
4/19/2012			
4/19/2012			

Well Name: KY BLUE D30-32

VERTICAL - ORIGINAL HOLE, 9/7/2016 2:02:33 PM



Stimulations & Treatments

Date	Zone	Primary Job Type
4/25/2012	J SAND, ORIGINAL HOLE	COMPLETION - ORIGINAL
Technical Result	Tech Result Details	Tech Result Note
Success	According to Plan	
Comment		
(JSAND)- BREAK 2275 @ 2.6 BBL, ISIP 1583, 5 MIN 1396, 10 MIN 1324, 15 MIN 1282, POST JOB ISIP 2421, 5 MIN 2273.		
AVG PRESS 2578, AVG RATE 35.3, MAX PRESS 3862, AVG VISC 22, AVG TEMP 73.6, AVG PH 10.06, MAX RATE 35.9		
3 LB SAND BLENDER SCREWS WHERE NOT WORKING ON ATOMATIC WE WENT TO MANUAL AND TRIED TO LINE OUT 3 LB. FINISHED JOB IN MANUAL.		
PSI WIRELINE SET PLUG AT 7170'		
JOB WENT WELL WITH NOTHING FURTHER TO REPORT.		

Date	Zone	Primary Job Type
4/25/2012	CODELL, ORIGINAL HOLE	COMPLETION - ORIGINAL
Technical Result	Tech Result Details	Tech Result Note
Success	According to Plan	
Comment		
(CODELL)-BREAK 2415 @ 1.9, ISIP 2828, 5 MIN 1980, POST JOB, ISIP 3509, 5 MIN 3400		
AVG PRESS 3677, AVG RATE 25.2, AVG VISC 30, AVG TEMP 75.4, AVG PH 10.1, MAX PRESS 4055, MAX RATE 30.91.		
LEAK OFF WAS 1000 PSI CALLED JASON AND WENT TO 25 BBLs MIN AND 30 VISC. HAD TO SHUT DOWN DURING PAD. EMPLOYEES OPENED VALVE AND LET WATER INTO THE HYDRO VISC DROPPED TO A 9 SHUT DOWN AND ROLLED HYDRO UNTIL WE GOT 29 A CONTINUED JOB DOWN FOR 45 MINUTES.		
PSI WIRELINE PERFD. 7048'-7062' PLUG @ 7170'		
JOB WENT WELL WITH NOTHING FURTHER TO REPORT.		

Date	Zone	Primary Job Type
4/25/2012	NIOBRARA, ORIGINAL HOLE	COMPLETION - ORIGINAL
Technical Result	Tech Result Details	Tech Result Note
Success	According to Plan	
Comment		
(NIO)- BREAK 3865 @ 1.9 ISIP 3385, POST JOB ISIP 3563, 5 MIN 3480		
AVG PRESS 4281, AVG RATE 50.16, AVG VISC 22.7, AVG TEMP 74.8, AVG PH 10.2, MAX PRESS 4669, MAX RATE 51.15.		
PSI WIRELINE PERFD. 6816'-6828' 6918'-6930' SET COMPOSITE FLOW THROUGH PLUG AT 7000' HALLIBURTON		
JOB WENT ACCORDING TO DESIGN WITH NOTHING FURTHER TO REPORT.		

Other In Hole				
Run Date	Des	OD (in)	Top (ftKB)	Btm (ftKB)

Logs			
Date	Type	Top, MD (ftKB)	Btm, MD (ftKB)
3/17/2012	SPECTRAL DENSITY/Pe/DSN NEUTRON/SP/ARRAY COMPENSATED TRUE RESISTIVITY	775.0	7,696.0
3/17/2012	SPECTRAL GAMMA RAY	775.0	7,696.0
4/19/2012	CBL/CCL/GR	780.0	7,629.0
12/10/2014	GYRO	13.0	7,400.0