

Downhole Profile - Vertical Wells

BOPCO, L.P. - West Texas

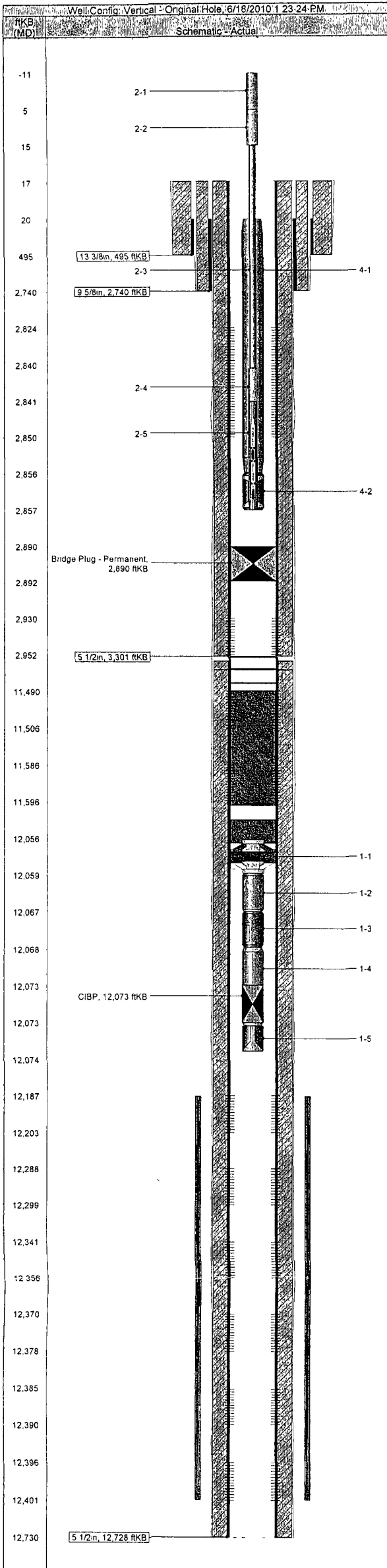
Well ID: 30-015-35481

Well Name: BIG EDDY UNIT #152

Field: Indian Flats Morrow Southwest Gas

Sect. 26 Town. 21S Rng. 28E County: Eddy State: New Mexico

Surface Location: 1980 FSL 660 FEL



Well Information						
Ong KB Elev (ft)	Gr Elev (ft)	KB-Grd (ft)	Spud Date	On Production Date	PBDT (All) (ftKB)	
3,225.30	3,208.30	17.00	1/6/2008	5/10/2008	Original Hole - 3248.0	
Wellbores						
Wellbore Name: Original Hole			Kick Off Depth (ftKB):			
Size (in)	Act Top (ftKB)	Act Btm (ftKB)				
17 1/2	17.0	495.0				
12 1/4	495.0	2,740.0				
8 3/4	2,740.0	12,730.0				
Casing Strings						
Casing Description	Wellbore	OD (in)	WT (lbs/ft)	Grade	Top Thread	Set @ (ftKB)
Surface	Original Hole	13 3/8	48.00	J-55		495.0
Intermediate	Original Hole	9 5/8	40.00	J-55		2,740.0
Production	Original Hole	5 1/2	17.00	HCP-110		3,301.0
Production	Original Hole	5 1/2	17.00	HCP-110		12,728.0
Perforations						
Perf. Date	Top (ftKB)	Btm (ftKB)	Zone	Current Status		
6/7/2010	2,824.0	2,850.0	Ramsey Sand, Original Hole	Abandoned (2930 - 2952)		
5/17/2010	2,930.0	2,952.0	Ramsey Sand, Original Hole	Abandoned (11490 - 11506)		
12/4/2008	11,490.0	11,506.0	Atoka, Original Hole	Abandoned (11586 - 11596)		
12/4/2008	11,586.0	11,596.0	Atoka, Original Hole	Abandoned (12187 - 12203)		
3/18/2008	12,187.0	12,203.0	Middle Morrow, Original Hole	Abandoned (12288 - 12299)		
3/18/2008	12,288.0	12,299.0	Middle Morrow, Original Hole	Abandoned (12341 - 12356)		
3/18/2008	12,341.0	12,356.0	Middle Morrow, Original Hole	Abandoned (12370 - 12378)		
3/18/2008	12,370.0	12,378.0	Middle Morrow, Original Hole	Abandoned (12385 - 12390)		
3/18/2008	12,385.0	12,390.0	Middle Morrow, Original Hole	Abandoned (11490 - 11596)		
3/18/2008	12,396.0	12,401.0	Middle Morrow, Original Hole			
Tubing Strings						
Tubing Description	Run Date	String Length (ft)	Set Depth (ftKB)			
Baker Mod "D" Pkr w/ tailpipe	4/5/2008	18.10	12,074.0			
No.	Item Description	Jts	OD (in)	WT (lbs/ft)	Grade	Top (ftKB)
1-1	5-1/2" Baker Mod "D" Packer	1	2 3/8			12,055.90
1-2	2-3/8" x 8' L-80 Tbg Sub	1	2 3/8			12,058.90
1-3	2-3/8" "F" Profile Nipple	1	2 3/8			12,066.90
1-4	2-3/8" x 6' L-80 Tbg Sub w/10K Mag "Dbl Disc"	1	2 3/8			12,067.55
1-5	2-3/8" WEG	1	2 3/8			12,073.55
Tubing Description	Run Date	String Length (ft)	Set Depth (ftKB)			
Tubing - Production	6/7/2010	2,837.00	2,857.0			
No.	Item Description	Jts	OD (in)	WT (lbs/ft)	Grade	Top (ftKB)
4-1	2-3/8" 4.6 ppf L-80 BRD Tubing	88	2 3/8	4.60	L-80	20.00
4-2	Seal Nipple	1	2 3/8			2,855.90
Other Downhole Equipment						
Run Date	Description	OD (in)	Top (ftKB)	Btm (ftKB)		
6/7/2010	Bridge Plug - Permanent	4 7/8	2,890.0	2,892.0		
12/2/2008	CIBP	2 3/8	12,073.0	12,073.5		
Rods						
Rod Description	Run Date	String Length (ft)	Set Depth (ftKB)			
Rod	6/8/2010	2,868.00	2,857.0			
Item No.	Item Description	Jts	OD (in)	WT (lbs/ft)	Grade	Top (ftKB)
2-1	Polished Rod	1	1 1/4			-11.00
2-2	Pony Rod (.6" x 24')	2	1 1/4			5.00
2-3	Sucker Rod	113	3/4	1.63	D	15.00
2-4	Pony Rod	1	1			2,840.00
2-5	Rod Pump (2" x 1-1/2" x 16')	1	1			2,841.00
Cement						
Surface Casing Cement, 1/7/2008						
String: Surface, 495.0 ftKB			Cement Evaluation Results:			
Stage Number	Stage Top (ftKB)	Stage Bottom (ftKB)	Cmnt Rtrn (bbl)	Top Measurement Method		
1	17.0	495.0		Circulated		
Fluid	Amount (sacks)	Class	Density (lb/gal)	Yield (ft ³ /sack)		
Lead	200 C		12.80	1.83		
Tail	255 C		14.80	1.34		
Intermediate Casing Cement, 1/13/2008						
String: Intermediate, 2,740.0 ftKB			Cement Evaluation Results:			
Stage Number	Stage Top (ftKB)	Stage Bottom (ftKB)	Cmnt Rtrn (bbl)	Top Measurement Method		
1	17.0	2,740.0		Circulated		
Fluid	Amount (sacks)	Class	Density (lb/gal)	Yield (ft ³ /sack)		
Lead	600 C		11.80	2.45		
Tail	265 C		14.80	1.33		
Production Casing Cement, 2/12/2008						
String: Production, 12,728.0 ftKB			Cement Evaluation Results:			
Stage Number	Stage Top (ftKB)	Stage Bottom (ftKB)	Cmnt Rtrn (bbl)	Top Measurement Method		
1	6,475.0	12,728.0		Circulated		
Fluid	Amount (sacks)	Class	Density (lb/gal)	Yield (ft ³ /sack)		
Lead	1,000 H		11.90	2.50		
Tail	660 H		13.20	1.62		
Stage Number	Stage Top (ftKB)	Stage Bottom (ftKB)	Cmnt Rtrn (bbl)	Top Measurement Method		
2	4,400.0	6,475.0		Temperature Log		
Fluid	Amount (sacks)	Class	Density (lb/gal)	Yield (ft ³ /sack)		
Lead	850 H		11.90	2.50		
Tail	250 H		13.20	1.62		
Cement Plug, 5/4/2010						
String: Production, 12,728.0 ftKB			Cement Evaluation Results:			
Stage Number	Stage Top (ftKB)	Stage Bottom (ftKB)	Cmnt Rtrn (bbl)	Top Measurement Method		
1	11,824.0	12,058.0		Tagged		
Fluid	Amount (sacks)	Class	Density (lb/gal)	Yield (ft ³ /sack)		
Cement Plug	25 H		15.60	1.18		
Cement Plug, 5/4/2010						
String: Production, 12,728.0 ftKB			Cement Evaluation Results:			
Stage Number	Stage Top (ftKB)	Stage Bottom (ftKB)	Cmnt Rtrn (bbl)	Top Measurement Method		
1	11,391.0	11,650.0		Tagged		
Fluid	Amount (sacks)	Class	Density (lb/gal)	Yield (ft ³ /sack)		
Cement Plug	40 H					
Cement Plug, 5/5/2010						
String: Production, 12,728.0 ftKB			Cement Evaluation Results:			
Stage Number	Stage Top (ftKB)	Stage Bottom (ftKB)	Cmnt Rtrn (bbl)	Top Measurement Method		
1	9,495.0	9,731.0		Tagged		
Fluid	Amount (sacks)	Class	Density (lb/gal)	Yield (ft ³ /sack)		
Cement Plug	25 H		15.60	1.18		
Cement Plug, 5/5/2010						
String: Production, 12,728.0 ftKB			Cement Evaluation Results:			
Stage Number	Stage Top (ftKB)	Stage Bottom (ftKB)	Cmnt Rtrn (bbl)	Top Measurement Method		
1	6,189.0	6,543.0		Tagged		
Fluid	Amount (sacks)	Class	Density (lb/gal)	Yield (ft ³ /sack)		
Cement Plug	35 C		14.80	1.32		
Cement Plug, 5/7/2010						
String: Production, 12,728.0 ftKB			Cement Evaluation Results:			
Stage Number	Stage Top (ftKB)	Stage Bottom (ftKB)	Cmnt Rtrn (bbl)	Top Measurement Method		
1	3,339.0	3,589.0		Tagged		



Downhole Profile - Vertical Wells

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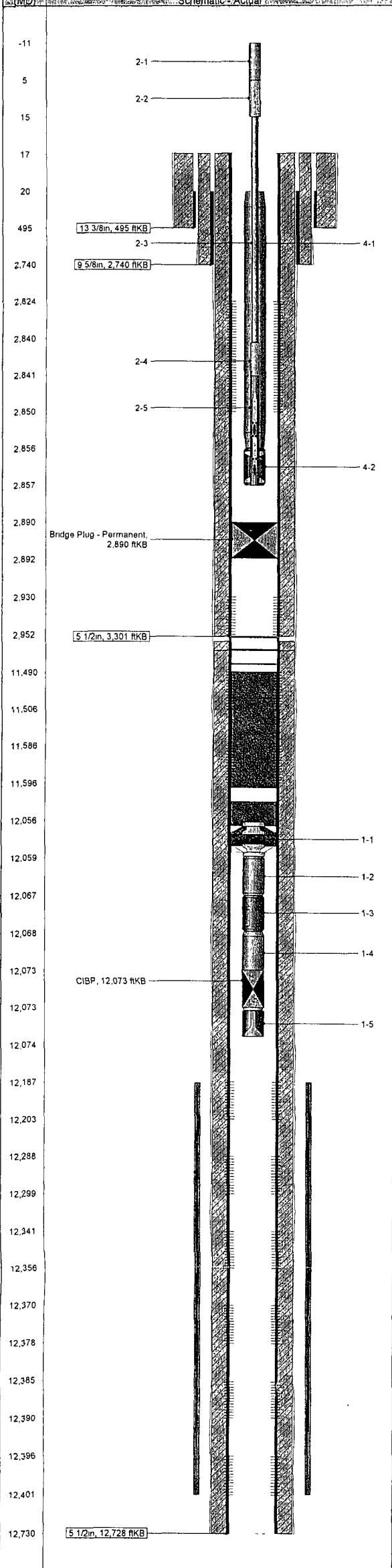
Well Name: BIG EDDY UNIT #152

Field: Indian Flats Morrow Southwest Gas

Sect: 26 Town: 21S Rng: 28E County: Eddy State: New Mexico

Surface Location: 1980 FSL 660 FEL

Well Config: Vertical - Original Hole: 6/18/2010 1:23:24 PM
Schematic - Actual



Fluid	Amount (sacks)	Class	Density (lb/gal)	Yield (ft ³ /sack)
Cement Plug	75	C	14.80	1.32

Cement

Production Casing Cement: 5/12/2010

String: Production, 3,301 0 ftKB Cement Evaluation Results:

Stage Number	Stage Top (ftKB)	Stage Bottom (ftKB)	Cmnt Rtn (bbl)	Top Measurement Method
1	17.0	3,301.0	85.0	Circulated

Fluid	Amount (sacks)	Class	Density (lb/gal)	Yield (ft ³ /sack)
Lead	550	EconoCem C	11.80	
Tail	250	VersaCem C	14.80	