

NM AB State #4 (CVU 442)

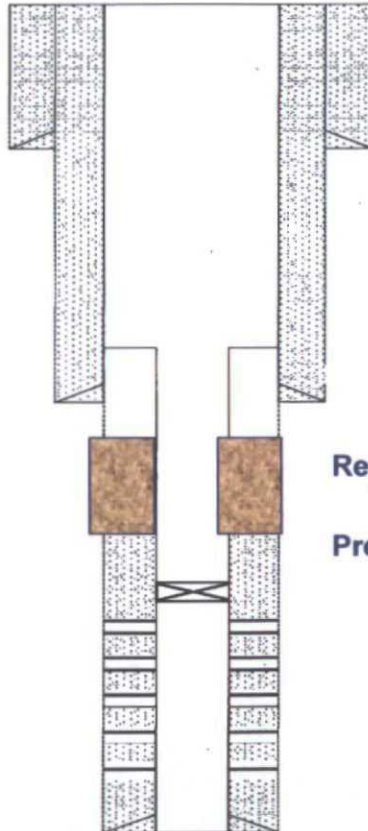
CVU #442 (Formerly NM 'AB' State # 4) Wellbore Diagram

Created	07/08/11	By:	BBMK	Well #	4	Fd / St #	427775
Updated		By:		API	30-025-03087		
Lease			New Mexico "AB"	Surface	Tshp/Rng	1-06-18S-35E	
Field			Vacuum ABO	Unit Ltr		Section	6
Surf Loc			1650 FSL & 660 FEL	Bottom hole	Tshp/Rng		
Bot Loc				Unit Ltr		Section	
County	LEA	St.	NM	Directions			
Status		TA		Chevron		FA4239	

Surface Casing	
Size	10 3/4
Wt , Grd	28 60#
Depth	309'
Sxs Cmt	350
Circulate	Yes
TOC	Surface
Hole Size	13 1/4

Intermediate Casing	
Size	7 5/8
Wt , Grd	J-55 26 40#
Depth	5261'
Sxs Cmt	650'
Circulate	Yes
TOC	Surface
Hole Size	9 7/8

Production Casing (Liner)	
Size	4 1/2
Wt , Grd	J-55 11 60#
Depth	9080'
Sxs Cmt	550'
Circulate	No
CMT Top	6300' (Calc)
Hole Size	6 3/4
Hung @	5108'



KB	
DF	3894'
GL	
Int Spud	11/06/61
Int Comp	

Formation	Tops
Anhy	1500'
Salt	1664'
Salt	2640'
Yates	2920'
San Andres	4733'
Abo	8182'

Revised TOC = 5909'

Previos TOC = 6300'

CIBP @ 8020'

8075'-8176'	11/97
8196'-8660'	10/97
8208'-8439'	7/73
8483'-8640'	1/68
8674'-8826'	12/61

PBTD: 9066'
TD: 9080'

Volume Calculations

- 4-1/2" liner x 6-3/4" hole = 0.0246 bbls/ft
- Liner depth = 9080 ft
- Cement pumped = 350 sxs lead with 200 sxs top sqz
- Total cement = 550 sxs
- Class H neat = 1.06 ft³/sx

Therefore,

- 550 sxs x 1.06 x 75% = 437 ft³ or 78 bbls
- This equates to 3170 ft of coverage, (78 bbls / 0.0246 bbls/ft)
- TOC = 9080 ft – 3170 ft = 5909 ft
- Top of injection interval = 6100 ft

BEFORE THE OIL CONSERVATION DIVISION

Santa Fe, New Mexico

Exhibit No. 7

Submitted by:

CONOCOPHILLIPS COMPANY

Hearing Date: March 7, 2013

ConocoPhillips

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