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APPROVED BY: \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

Conditions of Approval (if any):

**SOUTH CULEBRA BLUFF 23-19**  
**Loving East - 30-015-35512**  
**Eddy County, New Mexico**  
**F-23-23S-28E 1950 FNL 2470 FWL**

Current Status: Inactive Inj; Updated by Y.LI on 8/8/2019

KB: 3,037.4'  
 GL: 3,020'

TOC @ surf  
 cmt w/ 250 sxs  
 Class "C" & 2%  
 CaCl. Circ to surf

8 5/8" csg @ 342'

DV Tool @ 3522'  
 TOC @ surf

2 stage cmt w/ 1143  
 sxs Class "C", 5% gel,  
 .3% FL-52A, & 4# GIL  
 lead & 100 sxs Class  
 "C" neat tail. Circ 56  
 sxs to surf

cmt w/ 905 sxs

5 1/2" csg @ 6396'

Spud Date: 4/21/2007  
 TD Date: 6/7/2007  
 Compl Date: 8/3/2007

CASING DETAIL				
Depth	Size	Weight	Grade	Hole Size
342'	8 5/8"	24#	K-55	12 1/4"
6396'	5 1/2"	15.5#	J-55	7 7/8"

well sidetracked, 11 degrees max inclination

Tbg Detail		
	Length (ft)	Depth (ft)
KB	17.4	
2-3/8" SS x 2-7/8" SS XO	0.35	17.4
197 Jts. Fiber Lined Tbg, 2-3/8", 4.7#, J-55, 8R, EUE tbg, 1.73 I.D.	6082.2	17.75
On-Off Tool w/1.43" ID 'F' Profile Nipple	0.61	6099.95
2-3/8" x 5-1/2" Arrow set 1-X Pkr, Nickle plated w/ Internal Plastic Coating	7.21	6100.56
2 3/8 WL Entry Guide	0.4	6107.77
EOT		6108.17

Note: Tbg details come from Range Record

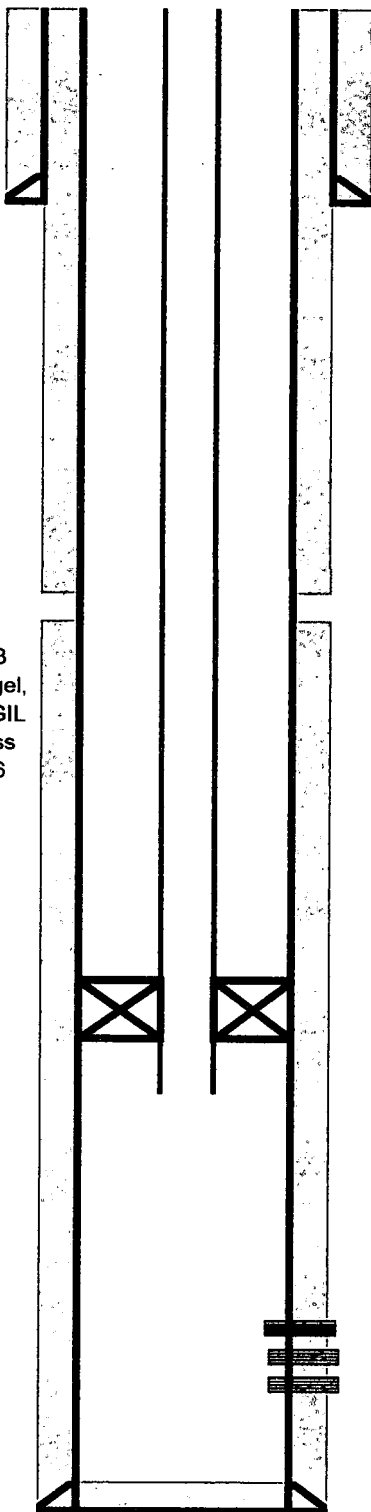
This wellbore diagram is based on most recent information regarding wellbore configuration & equipment that could be found in Midland Office well files & computer / online databases as of above update date.

Pkr @6104.16'

Brushy Canyon C & D Perforations:  
 6160' - 6177' - 4 spf  
 6183' - 6202' - 4 spf  
 6224' - 6236' - 4 spf

PBTD = 6,307'  
 TD = 6,400'

Note: This schematic is not to scale. For display purposes only.



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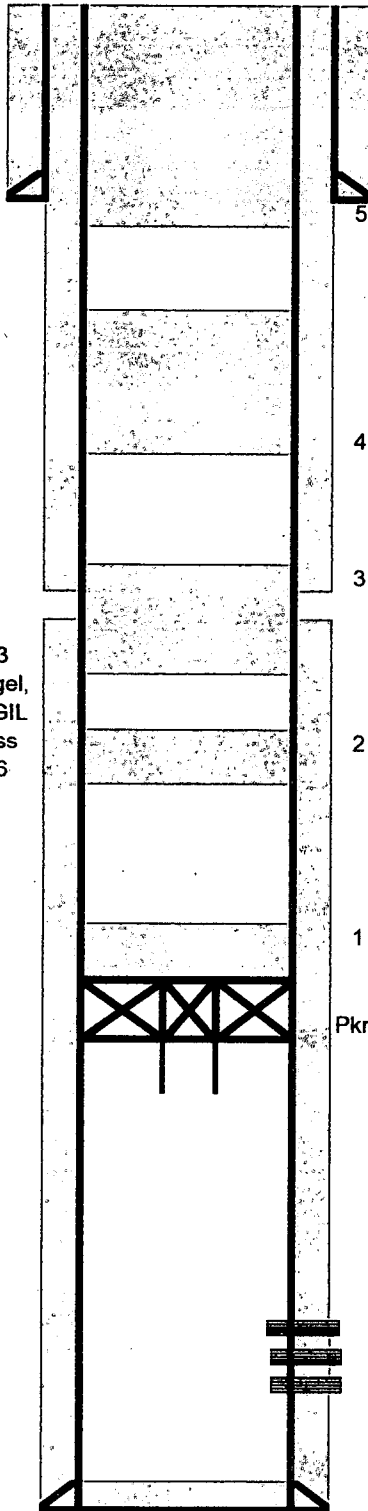
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Formation Name	Depth (MD)
T Salt	350
B Salt	2,401
Lamar LS	2,619
Bell Canyon	2,650
Cherry Canyon	3,380
Brushy Canyon	4,680
Bone Spring	6,234

5 Spot cement across  
 T.Salt to surface

4 Spot cement across Bell Canyon, Lamar LS, and B.Salt

3 Spot cement across the Cherry Canyon and DV Tool

2 Spot cement across the Brushy Canyon

1 Set tubing plug in 1.43 nipple, pressure test tbg and casing  
 unlatch from on-off tool, pump cement above CIBP

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