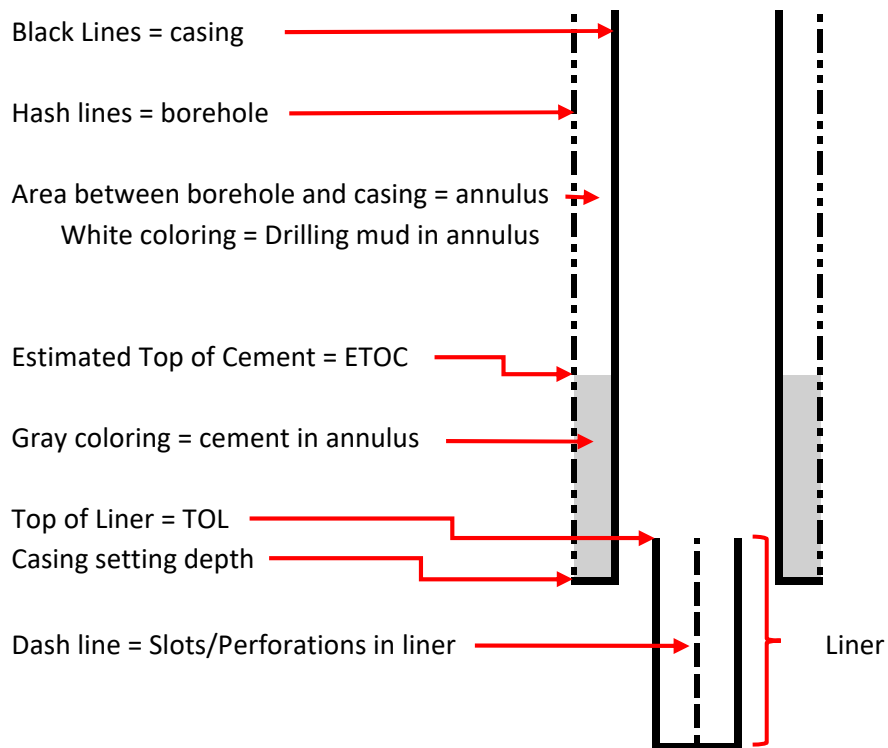


APPENDIX F

WELL BORE DIAGRAM EXAMPLES

Wellbore Diagram (WBD) Legend



Abbreviations:

- BFW = Base of Fresh Water
- DF = Derrick Floor
- GL = Ground Level
- KB = Kelly Bushing
- Kraemer = 3910' Approximate depth of productive interval below ground level
- SXS cmt = Sacks of Cement (used to cement casing in place)
- SL = Sea Level
- pud Date = The date drilling operation started
- SP = Stove Pipe
- Kraemer = Productive Intervals
- TD = Total Depth
- USDW = Underground Source of Drinking Water

WELL ID:
WELLSTATUS: Idle
WELL API:

Field: _____

100

500 ft

1000 ft

1500 ft

BFW - 1900'

2000 ft

Tar - 2300'

2500 ft

USDW - 3000'

Chapman - 3125'

3500 ft

Kraemer - 3910'

4000 ft

4500 ft

20" Stove pipe conductor csg set at 30'

ETOC = 650'

11-3/4", 61# casing set 900', cemented with 214 sxs cmt, ETOC = 650' (Based on 17-1/2" bore hole)

ETOC = 2800'

8-5/8", 36# casing set 3750' in 10-5/8" hole, cemented with 200 sxs cmt, ETOC = 2800'

5", 21# 120 mesh screen, landed at 4425' Perfs F/3776' - T/4425', TOL = 3734'

TD = 4425'

J
C
S
D
P
C
D
B
S
Z
C
F
B
T
U
C
K
P
5

[illegible]

Formation	Top	
BFW	1900'	
Tar	2300'	
USDW	3000'	
Chapman	3125'	
Kraemer	3910'	

[illegible]

Well #: _____
Status: **Abandonment**
API#: _____

Field: _____

500 ft

1000 ft

1500 ft

BFW = 1830'

Base of USDW = 1950'

2000 ft

Top of Shallow Hydrocarbon = 2040'

2500'

Top of U. Bolsa +/-2660'

Top of M. Bolsa= 2935'

3000 ft

Top of I. Ashton = 3395'

3500 ft

Top of L. Ashton (Jones) = 3875'

4000 ft

15-1/2" , 70# csg landed at 600'.

4-3/4" csg cut and recovered F/2843

R & C 8-1/4" 36# csg set at 3418'
cmtd w/300 sxs (ETOC = 3100'/80%)

Perfs = F/3580' - T/3620'

Place 55 sxs F/4590' - T/3862'
TOC plug = 3862'

4-3/4" csg landed at 4590', no record
of cmt. Top of csg = 2843'
4-3/4" csg slotted F/4590' - T/3940'

Elevation	+/-75.2	Datum	SL
KB		above	GL
		TD	4590'
		BFW	1830'
Completion Date:			
Directional Drilled:		No/vertical	

Junk/Plugs

Original drill well (7/1923)			
Landed 15-1/2", 70# casing at 600' (not cemented). Drilled 15" hole F/600' - T/3418, set 8-1/4", 36# casing at 3418' and cemented in place with 300 sxs			
Santa Crus cmt (yield 1.18 CF/sx). Drilled 7-5/8" (???) hole F/3418' - T/4590'. Ran 4-3/4", 16# casing to 4590'. Bottom 600' of 4-3/4" slotted F/3940' - T/4540'.			
Records indicate that there is a CP at 3940', no record of cement.			
Well work operations (12/1941)			
Cut and recovered 4-3/4" casing F/2843'			
Recompletion (4/1948)			
4-3/4" casing was cleaned out to 4590'. Placed 51 - 55 sxs cement F/4590' - T/3862' (tagged). Perforate F/3580' - T/3620' with 120 1/2" holes.			
Additional work completed, date unknown			
Place a cement plug F/3862' - T/3620'.			
Note: 15-1/2", 70# casing = 16", 70# (see Halliburton Red Book)			
Note: 8-1/4", 36# casing = 8-5/8", 36# (per old casing factors)			

Casing Information							
Size	WPF	Top	Bottom	CF	Sacks	ETOC	Comments
15-1/2"	70.0	0'	600'		0	N/A	
8-1/4"	36.0	0'	3418'		300	3000'	
4-3/4"	16.0	2843'	4950'		N/A	N/A	
Cement calculations based on 1.15 CF/sx cement							

Hole			
Size	Csg	Top	Bottom
N/R	15-1/2	0'	600'
15"	8-1/4"	0'	3418'
7-5/8" (??)	4-3/4"	2843'	4590'
3'			

Zones of Interest			
Formation		Top	
BFW		1830'	
Base of USDW		1930'	
Shal Hydrocarbon		2060'	
Top of U. Bolsa		2515'	
		"D" Sand	
Top of M. Bolsa		2925'	
		"I" sand	
Top of L. Bolsa		3110'	
Top of U. Ashton		3360'	
Top of I. Ashton		3420'	
Top of L. Ashton		3970'	
		Jones	

[illegible]

Well #: _____
Status: **Abandoned**
API#: _____

Field:

in place

[illegible]

Zones of Interest		
Formation	Top	Bottom
BFW		1310'
USDW	1415'	
UHZ	1610'	
Upper Bolsa	1720'	
Upper Tar (M. Bolsa)	2005'	
Lower Tar (L. Bolsa)	2140'	

Perforations				
	Top	Bottom	Comments	
5-3/4" slotted liner	2020'	2074'		
5-3/4" slotted liner	2143'	2214'		