

Wellsite Schematic

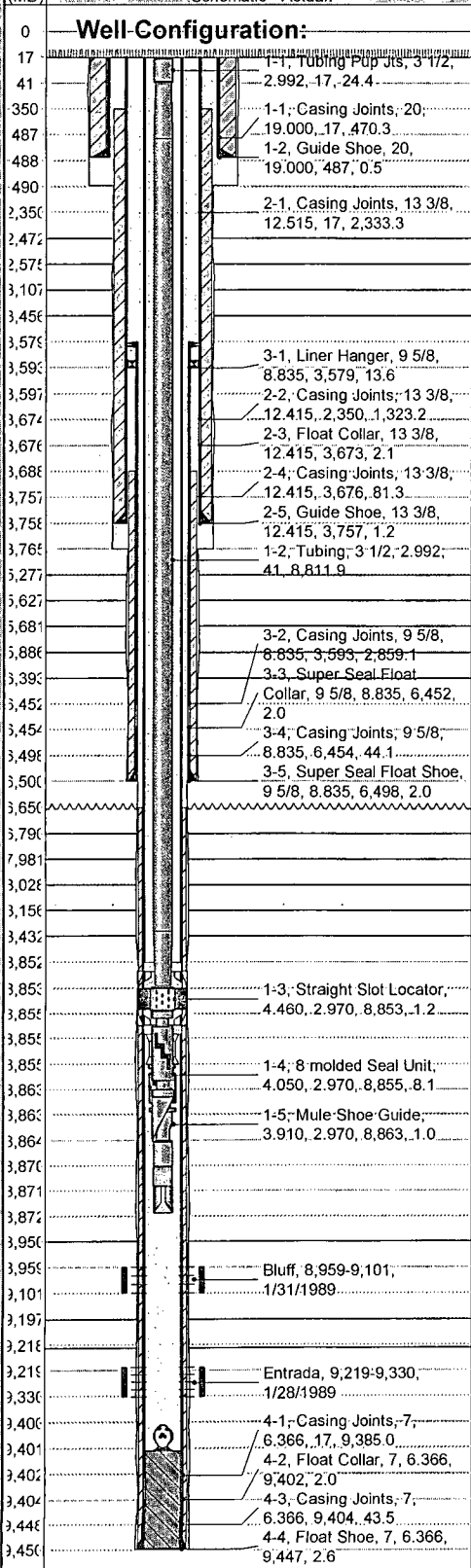
MIDDLE MESA #1 SWD

OIL CONS. DIV. DIST. 3

API / UWI 3004527004		Surface Legal Location NMPM,025-032N-007W		Field Name MORRISON BLUFF ENTRADA		License No. MAY 1 2014		Well Configuration Type	
Ground Elevation (ft)	Orig KB/RT (ft)	KB-Grd (ft)	KB-CF (ft)	KB-TF (ft)	Other Elevation Type	Other Elevation (ft)			

Well Config: - MIDDLE MESA SWD 1, 10/21/2010 9:25:07 AM

ftKB (MD) Schematic - Actual:



WELLHEADS

Type	Install Date
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Description	Make	Model	WP (psi)	Top Ring Gasket (in)	Min Bore (in)
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CASING STRINGS

Casing Description	String OD (in)	String Wt (lbs/ft)	String Grade	String Top Thrd	Set Depth (ftKB)
Surface	20	106.50	K-55		487.8
Intermediate1	13 3/8	61.00	K-55		3,758.0
Intermediate2	9 5/8	40.00	N-80		6,500.0
Production1	7	23.00	N-80		9,450.0

PBTDs

Depth (ftKB)	KO MD (ftKB)	TD (max) (ftKB)
9,401.0	0.0	9,450.0

PERFORATIONS

Date	Top (ftKB)	Btm (ftKB)	Zone	Current Status
1/31/1989	8,959.0	9,101.0	MORRISON ENTRADA, MIDD...	
1/28/1989	9,219.0	9,330.0	MORRISON ENTRADA, MIDD...	

TUBING STRING

Tubing Description	Run Date	Pull Date	String Length (ft)	Set Depth (ftKB)
Tubing - Water Injection	2/8/1989		8,846.61	8,863.6

Comment
Set depth adjusted from 15' to 17' KB.

Jts	Item Description	OD Nominal (in)	Nominal ID (in)	Wt (lbs/ft)	Grade	Make	Model	Len (ft)	Top (ftKB)
4	Tubing Pup Jts	3 1/2	2.992	9.30	J-55		T&C Upset	24.40	17.0
288	Tubing	3 1/2	2.992	9.30	J-55		T&C Upset	8,811.91	41.4
1	Straight Slot Locator	4.46	2.970	9.30	J-55			1.23	8,853.3
1	8 molded Seal Unit	4.05	2.970	9.30	J-55			8.10	8,854.5
1	Mule Shoe Guide	3.91	2.970	9.30	J-55			0.97	8,862.6

OTHER IN HOLE

Run Date	Description	OD (in)	ID (in)
2/6/1989	Otis WB Perm. Packer	7	
	Top (ftKB)		
	8,852.3		
	Bottom (ftKB)		
	8,854.9		
	Make		
	Model		
2/6/1989	Seal Bore Adapt.	5.9	4.000
	Top (ftKB)		
	8,854.9		
	Bottom (ftKB)		
	8,855.4		
	Make		
	Model		
2/6/1989	Seal Bore	4.93	4.000
	Top (ftKB)		
	8,855.4		
	Bottom (ftKB)		
	8,862.8		
	Make		
	Model		
2/6/1989	X Over Seal Bore	3 1/2	2.992
	Top (ftKB)		
	8,862.8		
	Bottom (ftKB)		
	8,863.6		
	Make		
	Model		
2/6/1989	3 1/2" Pup Jt	3 1/2	2.992
	Top (ftKB)		
	8,863.6		
	Bottom (ftKB)		
	8,870.1		
	Make		
	Model		
2/6/1989	3 1/2" Collar	3 1/2	2.992
	Top (ftKB)		
	8,870.1		
	Bottom (ftKB)		
	8,870.6		
	Make		
	Model		
2/6/1989	Otis X Nipple w/WL re-e...	3 1/2	2.813
	Top (ftKB)		
	8,870.6		
	Bottom (ftKB)		
	8,871.6		
	Make		
	Model		
2/13/1989	X Plug	3 1/2	2.813
	Top (ftKB)		
	9,400.0		
	Bottom (ftKB)		
	9,401.0		