

James Ranch Unit #13
Casing Program

Surface Casing

<u>Segment</u>	<u>Size</u>	<u>Grade</u>	<u>Thread</u>	<u>Weight</u>	<u>Top</u>	<u>Bottom</u>	<u>Length</u>
1	13-3/8"	H-40	ST&C	48#/ft	0	500'±	500'

Intermediate Casing

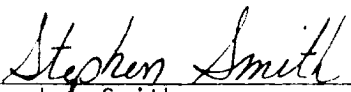
<u>Segment</u>	<u>Size</u>	<u>Grade</u>	<u>Thread</u>	<u>Weight</u>	<u>Top</u>	<u>Bottom</u>	<u>Length</u>
1	9-5/8"	K-55	ST&C	36#/ft	0	3750'±	3750'

2nd Intermediate Casing

<u>Segment</u>	<u>Size</u>	<u>Grade</u>	<u>Thread</u>	<u>Weight</u>	<u>Top</u>	<u>Bottom</u>	<u>Length</u>
1	7"	S-95	LT&C	26#/ft	9900'±	12,500'±	2600'±
2	7"	S-95	LT&C	23#/ft	6090'±	9900'±	3810'±
3	7"	K-55	LT&C	26#/ft	3440'±	6090'±	3650'±
4	7"	N-80	LT&C	23#/ft	1320'±	3440'±	1120'±
5	7"	N-80	LT&C	23#/ft	0	1320'±	1320'

Production Liner

<u>Segment</u>	<u>Size</u>	<u>Grade</u>	<u>Thread</u>	<u>Weight</u>	<u>Top</u>	<u>Bottom</u>	<u>Length</u>
1	5"	S-95	FL4S	18#/ft	12,250'±	15,400'±	3150'±


Stephen Smith