





Form	ACO1 - Well Completion
Operator	Ritchie Exploration, Inc.
Well Name	JOSEPH 30CD 3
Doc ID	1707320

#### Tops

Name	Top	Datum
Anhydrite	2396	+525
B/Anhydrite	2418	+503
Heebner	3899	-978
Toronto	3920	-999
Lansing	3944	-1023
Muncie Shale	4095	-1174
Stark Shale	4176	-1255
Hush	4214	-1293
BKC	4255	-1334
Marmaton	4275	-1354
Pawnee	4380	-1459
Myrick	4419	-1498
Fort Scott	4434	-1513
Cherokee Shale	4464	-1543
Johnson	4506	-1585
Morrow Sand	4541	-1620
Mississippian	4580	-1659

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#### Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	216	common	175	3%cc,2%gel
Production	7.875	5.50	15.50	4690	ASC	200	10%salt,2%gel,5#/s x gilsonite