



XTO - Wellbore Diagram

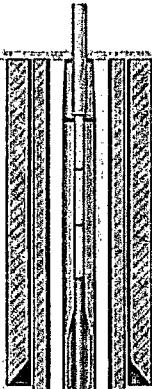
Well Name: Stanolind A 04

API/UWI	E/W Dist (ft)	E/W Ref	N/S Dist (ft)	N/S Ref	Location	Field Name	County	State/Province
30045326750000	865.0	FEL	1,085.0	FSL	T31N-R12W-S29	Basin Fruitland Coal	San Juan	New Mexico
Well Configuration Type	XTO ID B	Orig KB Elev (ft)	Gr Elev (ft)	KB-Grd (ft)	Spud Date	PBTD (All) (ftKB)	Total Depth (ftKB)	Method Of Production
Vertical	68745	6,065.00	6,065.00	0.00	9/19/2005	Original Hole - 2539.0	2,580.0	Beam

Well Config: Vertical - Original Hole: 1/13/2015 2:27:31 PM

Schematic - Actual

Incl. ftKB (TVD) ftKB (MD)



Top (MD): 2,222
Des: Fruitland Coal

PBTD,
2,539

TD, 2,580

Zones

Zone	Top (ftKB)	Btm (ftKB)
Fruitland Coal	2,222.0	2,344.0

Casing Strings

Casing Description	OD (in)	WT (lbs/ft)	String Grade	Top Connection	Set Depth (ftKB)
Surface	8 5/8	24.00	J-55		225.0
Casing Description	OD (in)	WT (lbs/ft)	String Grade	Top Connection	Set Depth (ftKB)
Production	5 1/2	15.50	J-55		2,580.0

Cement

Description	Type	String
Surface Casing Cement	casing	Surface, 225.0ftKB
Comment		
Cmt'd w/330 sx. Circ 30 bbls to surface.		
Description	Type	String
Production Casing Cement	casing	Production, 2,580.0ftKB
Comment		
Cmt'd w/180 sx. Circ 13 bbls to surface.		

Perforations

Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Hole Diameter (in)	Phasing (°)	Curr. Status	Zone
1/9/2007	2,222.0	2,344.0	3.0	0.490	120		Fruitland Coal

Tubing Strings

Tubing Description	Run Date	Set Depth (ftKB)
Tubing - Production	8/19/2014	2,491.8

Tubing Components

Item Description	Jts	Model	OD (in)	WT (lbs/ft)	Grade	Top Thread	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing	77	T&C Upset	2 7/8	6.50	J-55		2,462.67	0.0	2,462.7
Stator	1	40H2...	3 1/2				28.10	2,462.7	2,490.8
No Turn Tool	1		5 1/2				1.05	2,490.8	2,491.8

Rods

Rod Description	Run Date	String Length (ft)	Set Depth (ftKB)
Rod String	8/19/2014	2,501.20	2,490.0

Rod Components

Item Description	Jts	Model	OD (in)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Polished Rod	1		1 1/4		26.00	-11.2	14.8
Rod Sub	1		7/8	D	2.00	14.8	16.8
Rod Sub	1		7/8	D	6.00	16.8	22.8
Rod Sub	1		7/8	D	8.00	22.8	30.8
Sucker Rod w/Molded Guides	11		7/8	D	275.00	30.8	305.8
Continuous Sucker Rod			1 620C		2,129.00	305.8	2,434.8
Rod Sub	1		7/8	D	2.00	2,434.8	2,436.8
Shear Tool - 21K	1		7/8		0.70	2,436.8	2,437.5
Sucker Rod	1	WCN-78	7/8	D	25.00	2,437.5	2,462.5
Rotor	1	30N010	1 1/2		27.50	2,462.5	2,490.0

Stimulations & Treatments

Frac Start Date	Top Perf (ft...)	Bottom Pe...	V (slurry) (...)	Total Prop...	AIR (b...)	ATP (psi)	MTP (psi)	ISIP (psi)
10/19/2005	2222	2344		101.48...	40	1,133.0	1,39...	556.0
Comment								
BO w/1,000 gals acid & 125 BS. Frac w/Delta 140 (20# XL) (4,620# 40/70, 69,020 20/40 & 27,840 16/30 sd) dwon csg.								