

OCD - HOBBS  
06/26/2017  
RECEIVED



## **McElvain Energy, Inc.**

**Sec. 30 T18S R34E**

**EK Federal Com 30**

**EK 31 BS2 Federal Com 1H**

**Wellbore #1**

**Plan: Design #1 01Aug16 kjs**

## **Standard Planning Report - Geographic**

**01 August, 2016**



# Planning Report - Geographic

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well EK 31 BS2 Federal Com 1H
Company:	McElvain Energy, Inc.	TVD Reference:	WELL @ 3919.0usft (Original Well Elev)
Project:	Sec. 30 T16S R34E	MD Reference:	WELL @ 3919.0usft (Original Well Elev)
Site:	EK Federal Com 30	North Reference:	Grid
Well:	EK 31 BS2 Federal Com 1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1 01Aug16 kjs		

Project:	Sec. 30 T16S R34E, Lea County, NM		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site:	EK Federal Com 30			
Site Position:		Northing:	623,533.80 usft	Latitude: 32° 42' 42.886 N
From:	Map	Easting:	788,543.80 usft	Longitude: 103° 35' 28.945 W
Position Uncertainty:	0.0 usft	Grid Radius:	13-3/16 "	Grid Convergence: 0.40 "

Well:	EK 31 BS2 Federal Com 1H			
Well Position	+N/-S	0.0 usft	Northing:	623,478.10 usft
	+E/-W	0.0 usft	Easting:	788,752.30 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:		Ground Level: 3,684.0 usft

Wellbore:	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	08/01/16	7.00	60.50	48,389

Design:	Design #1 01Aug16 kjs			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(usft)	(usft)	(usft)	(°)
	0.0	0.0	0.0	178.52

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
8,838.6	0.00	0.00	8,836.6	0.0	0.0	0.00	0.00	0.00	0.00	
7,069.9	6.50	120.26	7,069.0	-12.4	21.2	1.60	1.50	0.00	120.26	
9,080.6	8.50	120.26	9,078.8	-127.6	218.8	0.00	0.00	0.00	0.00	
8,523.6	0.00	0.00	8,509.0	-140.0	240.0	1.60	-1.50	0.00	180.00	
10,260.0	88.34	179.51	9,888.3	-603.6	243.9	12.00	12.00	24.39	179.51	
14,832.7	88.34	178.51	10,119.0	-5,174.2	282.8	0.00	0.00	0.00	0.00	0.00 TD / P&H LEK 31 BS2



# Planning Report - Geographic

Database: EDM 5000.1 Single User Db  
Company: McElvain Energy, Inc.  
Project: Sec. 30 T16S R34E  
Site: EK Federal Com 30  
Well: EK 31 B32 Federal Com 1H  
Wellbore: Wellbore #1  
Design: Design #1 01Aug16 kjs

Local Co-ordinate Reference: Well EK 31 B32 Federal Com 1H  
TVD Reference: WELL @ 3919.0usft (Original Well Elev)  
MD Reference: WELL @ 3919.0usft (Original Well Elev)  
North Reference: Grid  
Survey Calculation Method: Minimum Curvature

## Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.0	0.00	0.00	0.0	0.0	0.0	823,476.10	768,752.30	32° 42' 42.488 N	103° 35' 38.214 W
200.0	0.00	0.00	200.0	0.0	0.0	823,476.10	768,752.30	32° 42' 42.488 N	103° 35' 38.214 W
400.0	0.00	0.00	400.0	0.0	0.0	823,476.10	768,752.30	32° 42' 42.488 N	103° 35' 38.214 W
600.0	0.00	0.00	600.0	0.0	0.0	823,476.10	768,752.30	32° 42' 42.488 N	103° 35' 38.214 W
800.0	0.00	0.00	800.0	0.0	0.0	823,476.10	768,752.30	32° 42' 42.488 N	103° 35' 38.214 W
1,000.0	0.00	0.00	1,000.0	0.0	0.0	823,476.10	768,752.30	32° 42' 42.488 N	103° 35' 38.214 W
1,200.0	0.00	0.00	1,200.0	0.0	0.0	823,476.10	768,752.30	32° 42' 42.488 N	103° 35' 38.214 W
1,400.0	0.00	0.00	1,400.0	0.0	0.0	823,476.10	768,752.30	32° 42' 42.488 N	103° 35' 38.214 W
1,600.0	0.00	0.00	1,600.0	0.0	0.0	823,476.10	768,752.30	32° 42' 42.488 N	103° 35' 38.214 W
1,669.0	0.00	0.00	1,669.0	0.0	0.0	823,476.10	768,752.30	32° 42' 42.488 N	103° 35' 38.214 W
Runtler									
1,729.0	0.00	0.00	1,729.0	0.0	0.0	823,476.10	768,752.30	32° 42' 42.488 N	103° 35' 38.214 W
Salt									
1,800.0	0.00	0.00	1,800.0	0.0	0.0	823,476.10	768,752.30	32° 42' 42.488 N	103° 35' 38.214 W
2,000.0	0.00	0.00	2,000.0	0.0	0.0	823,476.10	768,752.30	32° 42' 42.488 N	103° 35' 38.214 W
2,200.0	0.00	0.00	2,200.0	0.0	0.0	823,476.10	768,752.30	32° 42' 42.488 N	103° 35' 38.214 W
2,400.0	0.00	0.00	2,400.0	0.0	0.0	823,476.10	768,752.30	32° 42' 42.488 N	103° 35' 38.214 W
2,600.0	0.00	0.00	2,600.0	0.0	0.0	823,476.10	768,752.30	32° 42' 42.488 N	103° 35' 38.214 W
2,800.0	0.00	0.00	2,800.0	0.0	0.0	823,476.10	768,752.30	32° 42' 42.488 N	103° 35' 38.214 W
3,000.0	0.00	0.00	3,000.0	0.0	0.0	823,476.10	768,752.30	32° 42' 42.488 N	103° 35' 38.214 W
3,200.0	0.00	0.00	3,200.0	0.0	0.0	823,476.10	768,752.30	32° 42' 42.488 N	103° 35' 38.214 W
3,294.0	0.00	0.00	3,294.0	0.0	0.0	823,476.10	768,752.30	32° 42' 42.488 N	103° 35' 38.214 W
Yates									
3,400.0	0.00	0.00	3,400.0	0.0	0.0	823,476.10	768,752.30	32° 42' 42.488 N	103° 35' 38.214 W
3,600.0	0.00	0.00	3,600.0	0.0	0.0	823,476.10	768,752.30	32° 42' 42.488 N	103° 35' 38.214 W
3,719.0	0.00	0.00	3,719.0	0.0	0.0	823,476.10	768,752.30	32° 42' 42.488 N	103° 35' 38.214 W
Seven Rivers									
3,800.0	0.00	0.00	3,800.0	0.0	0.0	823,476.10	768,752.30	32° 42' 42.488 N	103° 35' 38.214 W
4,000.0	0.00	0.00	4,000.0	0.0	0.0	823,476.10	768,752.30	32° 42' 42.488 N	103° 35' 38.214 W
4,200.0	0.00	0.00	4,200.0	0.0	0.0	823,476.10	768,752.30	32° 42' 42.488 N	103° 35' 38.214 W
4,400.0	0.00	0.00	4,400.0	0.0	0.0	823,476.10	768,752.30	32° 42' 42.488 N	103° 35' 38.214 W
4,419.0	0.00	0.00	4,419.0	0.0	0.0	823,476.10	768,752.30	32° 42' 42.488 N	103° 35' 38.214 W
Cusack									
4,600.0	0.00	0.00	4,600.0	0.0	0.0	823,476.10	768,752.30	32° 42' 42.488 N	103° 35' 38.214 W
4,679.0	0.00	0.00	4,679.0	0.0	0.0	823,476.10	768,752.30	32° 42' 42.488 N	103° 35' 38.214 W
Parrosa									
4,800.0	0.00	0.00	4,800.0	0.0	0.0	823,476.10	768,752.30	32° 42' 42.488 N	103° 35' 38.214 W
4,900.0	0.00	0.00	4,900.0	0.0	0.0	823,476.10	768,752.30	32° 42' 42.488 N	103° 35' 38.214 W
9 558"									
5,000.0	0.00	0.00	5,000.0	0.0	0.0	823,476.10	768,752.30	32° 42' 42.488 N	103° 35' 38.214 W
5,200.0	0.00	0.00	5,200.0	0.0	0.0	823,476.10	768,752.30	32° 42' 42.488 N	103° 35' 38.214 W
5,244.0	0.00	0.00	5,244.0	0.0	0.0	823,476.10	768,752.30	32° 42' 42.488 N	103° 35' 38.214 W
San Andres									
5,400.0	0.00	0.00	5,400.0	0.0	0.0	823,476.10	768,752.30	32° 42' 42.488 N	103° 35' 38.214 W
5,469.0	0.00	0.00	5,469.0	0.0	0.0	823,476.10	768,752.30	32° 42' 42.488 N	103° 35' 38.214 W
Delaware									
5,479.0	0.00	0.00	5,479.0	0.0	0.0	823,476.10	768,752.30	32° 42' 42.488 N	103° 35' 38.214 W
1st Delaware Sand									
5,600.0	0.00	0.00	5,600.0	0.0	0.0	823,476.10	768,752.30	32° 42' 42.488 N	103° 35' 38.214 W
5,800.0	0.00	0.00	5,800.0	0.0	0.0	823,476.10	768,752.30	32° 42' 42.488 N	103° 35' 38.214 W
5,869.0	0.00	0.00	5,869.0	0.0	0.0	823,476.10	768,752.30	32° 42' 42.488 N	103° 35' 38.214 W
2nd Delaware Sand									
6,000.0	0.00	0.00	6,000.0	0.0	0.0	823,476.10	768,752.30	32° 42' 42.488 N	103° 35' 38.214 W





# Planning Report - Geographic

Database: EDM 5000.1 Single User Db  
Company: McElynn Energy, Inc.  
Project: Sec. 30 T14S R34E  
Site: EK Federal Com 30  
Well: EK 31 BS2 Federal Com 1H  
Wellbore: Wellbore #1  
Design: Design #1 01Aug16 kjs

Local Co-ordinate Reference: Well EK 31 BS2 Federal Com 1H  
TVD Reference: WELL @ 3818.0usft (Original Well Elev)  
MD Reference: WELL @ 3818.0usft (Original Well Elev)  
North Reference: Grid  
Survey Calculation Method: Minimum Curvature

## Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
8,200.0	0.00	0.00	8,200.0	0.0	0.0	823,478.10	788,752.30	32° 42' 42.488 N	103° 35' 38.214 W
8,400.0	0.00	0.00	8,400.0	0.0	0.0	823,478.10	788,752.30	32° 42' 42.488 N	103° 35' 38.214 W
8,600.0	0.00	0.00	8,600.0	0.0	0.0	823,478.10	788,752.30	32° 42' 42.488 N	103° 35' 38.214 W
8,838.6	0.00	0.00	8,838.6	0.0	0.0	823,478.10	788,752.30	32° 42' 42.488 N	103° 35' 38.214 W
Start Build 1.50									
8,800.0	2.45	120.28	8,800.0	-1.8	3.0	823,478.34	788,755.32	32° 42' 42.471 N	103° 35' 38.178 W
7,000.0	5.45	120.28	8,899.5	-8.7	14.9	823,469.40	788,767.22	32° 42' 42.401 N	103° 35' 38.040 W
7,068.8	6.50	120.28	7,068.8	-12.4	21.2	823,465.73	788,773.51	32° 42' 42.385 N	103° 35' 37.887 W
Hold 8.8 Inc, 120.28 Az									
7,200.0	8.60	120.28	7,188.2	-18.8	33.8	823,458.31	788,788.23	32° 42' 42.290 N	103° 35' 37.819 W
7,400.0	6.50	120.28	7,385.8	-31.2	53.5	823,448.90	788,805.79	32° 42' 42.176 N	103° 35' 37.581 W
7,600.0	8.50	120.28	7,595.7	-42.6	73.0	823,435.48	788,825.34	32° 42' 42.082 N	103° 35' 37.383 W
7,675.2	8.50	120.28	7,670.4	-46.9	80.4	823,431.21	788,832.70	32° 42' 42.018 N	103° 35' 37.277 W
Bone Spring									
7,800.0	6.50	120.28	7,794.4	-54.0	92.6	823,424.08	788,844.88	32° 42' 41.848 N	103° 35' 37.135 W
8,000.0	6.50	120.28	7,993.1	-85.4	112.2	823,412.88	788,864.48	32° 42' 41.833 N	103° 35' 36.907 W
8,200.0	8.60	120.28	8,181.8	-76.8	131.7	823,401.27	788,884.01	32° 42' 41.719 N	103° 35' 36.679 W
8,400.0	8.60	120.28	8,380.6	-88.2	151.3	823,388.85	788,903.57	32° 42' 41.605 N	103° 35' 36.451 W
8,600.0	6.50	120.28	8,568.2	-89.8	170.8	823,378.45	788,923.12	32° 42' 41.491 N	103° 35' 36.223 W
8,800.0	6.50	120.28	8,787.9	-111.1	190.4	823,367.05	788,942.68	32° 42' 41.376 N	103° 35' 35.995 W
8,970.7	6.50	120.28	8,957.6	-120.8	207.1	823,357.31	788,958.37	32° 42' 41.279 N	103° 35' 35.801 W
1st Bone Spring Sand									
9,000.0	6.50	120.28	8,988.7	-122.5	208.9	823,355.84	788,962.24	32° 42' 41.282 N	103° 35' 35.767 W
9,080.5	6.50	120.28	9,078.6	-127.8	218.8	823,350.48	788,971.09	32° 42' 41.218 N	103° 35' 35.664 W
Start Drop -1.50									
9,200.0	4.85	120.28	9,185.5	-133.1	228.1	823,345.02	788,980.45	32° 42' 41.158 N	103° 35' 35.555 W
9,400.0	1.85	120.28	9,386.2	-138.0	238.3	823,338.12	788,990.58	32° 42' 41.087 N	103° 35' 35.437 W
9,523.0	0.01	120.28	9,508.1	-140.0	240.0	823,338.10	788,992.30	32° 42' 41.087 N	103° 35' 35.417 W
2nd Bone Spring Sand									
9,523.8	0.00	0.00	9,509.0	-140.0	240.0	823,338.10	788,992.30	32° 42' 41.087 N	103° 35' 35.417 W
KOP 12108									
9,600.0	8.14	179.51	9,584.8	-146.1	240.1	823,332.04	788,992.35	32° 42' 41.027 N	103° 35' 35.417 W
9,800.0	33.14	179.51	9,770.0	-217.7	240.7	823,280.45	788,992.88	32° 42' 40.318 N	103° 35' 35.416 W
10,000.0	57.14	179.51	9,910.1	-358.4	241.9	823,119.72	788,994.16	32° 42' 38.928 N	103° 35' 35.415 W
10,105.7	88.83	179.51	9,957.2	-452.8	242.7	823,025.30	788,994.88	32° 42' 37.981 N	103° 35' 35.411 W
Top Target - TOP TARGET WINDOW									
10,200.0	61.14	179.51	9,980.8	-543.8	243.4	822,934.21	788,995.73	32° 42' 37.090 N	103° 35' 35.410 W
10,260.0	88.34	179.51	9,986.3	-603.6	243.8	822,874.52	788,996.24	32° 42' 36.499 N	103° 35' 35.408 W
Landing P186.34 Inc, 179.51 Az									
10,400.0	88.34	179.51	9,990.3	-743.5	245.1	822,734.56	788,997.43	32° 42' 35.115 N	103° 35' 35.408 W
10,600.0	88.34	179.51	9,998.1	-843.4	248.8	822,534.88	788,999.13	32° 42' 33.138 N	103° 35' 35.403 W
10,800.0	88.34	179.51	10,001.8	-1,143.4	248.6	822,334.75	788,990.83	32° 42' 31.158 N	103° 35' 35.398 W
11,000.0	88.34	179.51	10,007.7	-1,343.3	260.2	822,134.84	788,992.63	32° 42' 29.180 N	103° 35' 35.385 W
11,200.0	88.34	179.51	10,013.6	-1,543.2	261.8	821,934.83	788,994.23	32° 42' 27.202 N	103° 35' 35.382 W
11,400.0	88.34	179.51	10,018.4	-1,743.1	253.8	821,735.02	788,995.83	32° 42' 25.224 N	103° 35' 35.388 W
11,600.0	88.34	179.51	10,025.2	-1,943.0	255.3	821,535.11	788,997.63	32° 42' 23.246 N	103° 35' 35.385 W
11,800.0	88.34	179.51	10,031.0	-2,142.8	257.0	821,335.21	788,999.33	32° 42' 21.268 N	103° 35' 35.381 W
12,000.0	88.34	179.51	10,038.6	-2,342.6	258.7	821,135.30	788,999.03	32° 42' 19.290 N	103° 35' 35.378 W
12,200.0	88.34	179.51	10,042.8	-2,542.7	260.4	820,935.39	788,997.72	32° 42' 17.312 N	103° 35' 35.374 W
12,400.0	88.34	179.51	10,048.4	-2,742.8	262.1	820,735.48	788,994.42	32° 42' 15.333 N	103° 35' 35.371 W
12,600.0	88.34	179.51	10,054.2	-2,942.6	263.8	820,535.57	788,991.12	32° 42' 13.355 N	103° 35' 35.367 W
12,800.0	88.34	179.51	10,060.0	-3,142.4	265.5	820,335.68	788,987.82	32° 42' 11.377 N	103° 35' 35.363 W
13,000.0	88.34	179.51	10,066.8	-3,342.3	267.2	820,135.75	788,984.52	32° 42' 9.399 N	103° 35' 35.360 W



## Planning Report - Geographic

**Database:** EDM 5000.1 Single User Db  
**Company:** McElvain Energy, Inc.  
**Project:** Sec. 30 T18S R34E  
**Site:** EK Federal Com 30  
**Well:** EK 31 B52 Federal Com 1H  
**Wellbore:** Wellbore #1  
**Design:** Design #1 01Aug16 kja

**Local Co-ordinate Reference:** Well EK 31 B52 Federal Com 1H  
**TVD Reference:** WELL @ 3819.0usft (Original Well Elev)  
**MD Reference:** WELL @ 3819.0usft (Original Well Elev)  
**North Reference:** Grid  
**Survey Calculation Method:** Minimum Curvature

### Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
13,200.0	88.34	178.51	10,071.8	-3,642.3	258.8	618,835.85	788,021.22	32° 42' 7.421 N	103° 35' 35.356 W
13,400.0	88.34	178.51	10,077.4	-3,742.2	270.8	618,735.84	788,022.82	32° 42' 5.443 N	103° 35' 35.363 W
13,600.0	88.34	178.51	10,083.2	-3,842.1	272.3	618,536.03	788,024.82	32° 42' 3.465 N	103° 35' 35.349 W
13,800.0	88.34	178.51	10,089.0	-4,142.0	274.0	618,336.12	788,026.32	32° 42' 1.467 N	103° 35' 35.348 W
14,000.0	88.34	178.51	10,084.8	-4,341.8	275.7	618,136.21	788,026.02	32° 41' 59.509 N	103° 35' 35.342 W
14,200.0	88.34	178.51	10,100.6	-4,541.8	277.4	618,836.30	788,028.72	32° 41' 57.630 N	103° 35' 35.339 W
14,400.0	88.34	178.51	10,106.4	-4,741.7	279.1	618,736.38	788,031.42	32° 41' 55.552 N	103° 35' 35.335 W
14,600.0	88.34	178.51	10,112.2	-4,941.5	280.8	618,536.49	788,035.12	32° 41' 53.574 N	103° 35' 35.331 W
14,800.0	88.34	178.51	10,118.1	-5,141.5	282.5	618,336.58	788,034.82	32° 41' 51.598 N	103° 35' 35.328 W
14,831.7	88.34	178.51	10,119.0	-5,173.2	282.8	618,303.80	788,035.09	32° 41' 51.283 N	103° 35' 35.327 W
TD at 14832.7									
14,832.7	88.34	178.51	10,118.0	-5,174.2	282.8	618,303.80	788,035.10	32° 41' 51.273 N	103° 35' 35.327 W
TD / PBHLEK 31 B52 Fed Com 1H									

### Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
TD / PBHLEK 31 B52 F	0.00	0.01	10,119.0	-5,174.2	282.8	618,303.80	788,035.10	32° 41' 51.273 N	103° 35' 35.327 W
- plan hits target center									
- Point									

### Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
4,800.0	4,800.0	9 5/8"	9-5/8	12-1/4



## Planning Report - Geographic

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well EK 31 BS2 Federal Com 1H
Company:	McElvain Energy, Inc.	TVD Reference:	WELL @ 3919.0usft (Original Well Elev)
Project:	Sec. 30 T18S R34E	MD Reference:	WELL @ 3919.0usft (Original Well Elev)
Site:	EK Federal Com 30	North Reference:	Grid
Well:	EK 31 BS2 Federal Com 1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1 01Aug18 kjs		

### Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,669.0	-2,250.0	Rustler		1.88	179.55
1,729.0	-2,190.0	Salt		1.88	179.55
3,294.0	-625.0	Yates		1.88	179.55
3,718.0	-200.0	Seven Rivers		1.88	179.55
2,920.0	0.0	TARGET CENTER LINE		1.88	179.55
2,920.0	0.0	BASE TARGET WINDOW		1.88	179.55
4,418.0	500.0	Queen		1.88	179.55
4,879.0	780.0	Penrose		1.88	179.55
5,244.0	1,325.0	San Andres		1.88	179.55
5,489.0	1,550.0	Delaware		1.88	179.55
5,479.0	1,560.0	1st Delaware Sand		1.88	179.55
5,889.0	1,850.0	2nd Delaware Sand		1.88	179.55
7,876.2	3,751.4	Bone Spring		1.88	179.55
8,970.7	5,056.5	1st Bone Spring Sand		1.88	179.55
9,523.0	6,589.1	2nd Bone Spring Sand		1.88	179.55
10,105.7	8,038.2	TOP TARGET WINDOW		1.88	179.55

### Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N-S (usft)	+E-W (usft)	
8,636.8	6,638.8	0.0	0.0	Start Build 1.50
7,066.9	7,066.0	-12.4	21.2	Hold 6.6 Inc, 120.28 Az
9,090.5	8,076.8	-127.8	218.8	Start Drop -1.50
9,523.8	8,509.0	-140.0	240.0	KOP 12/100
10,105.7	8,957.2	-452.8	242.7	Top Target
10,280.0	9,988.3	-803.6	243.8	Landing PI 88.34 Inc, 179.51 Az
14,831.7	10,118.0	-5,173.2	282.8	TD at 14832.7