

Endurance Resources, LLC

HALLIBURTON
Sperry Drilling Services



ENDURANCE
RESOURCES, LLC

Project: Lea County, NM (NAD 83)
Site: Duo Sonic 29 Fed
Well: Duo Sonic 29 Fed 503H
Wellbore: Wellbore #1
Design: Plan #1
Rig: TBD

SURFACE LOCATION

US State Plane 1983
New Mexico Eastern Zone
Elevation: GL 3249.5' + KB 25' @ 3274.50usft (TBD)
Northing Easting Latitude Longitude
399556.34 834095.18 32° 5' 41.755 N 103° 23' 16.659 W

WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

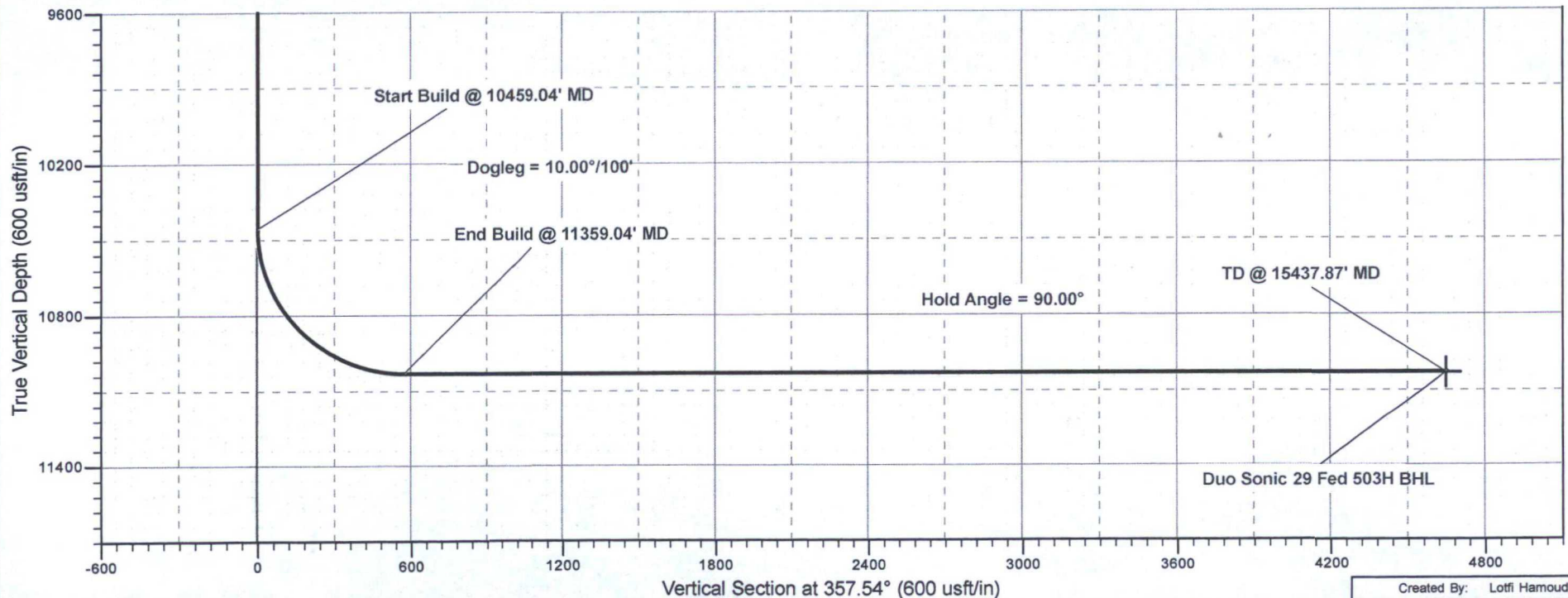
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Duo Sonic 29 Fed 503H BHL	11032.00	4647.51	-199.37	404203.85	833895.80	32° 6' 27.759 N	103° 23' 18.503 W

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
10459.04	0.00	0.00	10459.04	0.00	0.00	0.00	0.00	0.00	Start Build
11359.04	90.00	357.54	11032.00	572.43	-24.56	10.00	357.54	572.96	End Build
15437.87	90.00	357.54	11032.00	4647.51	-199.37	0.00	0.00	4651.79	TD

To convert a Magnetic Direction to a Grid Direction, Add 6.58°

Magnetic Model: BGGM2015 Date: 15-Mar-16
Azimuths to Grid North



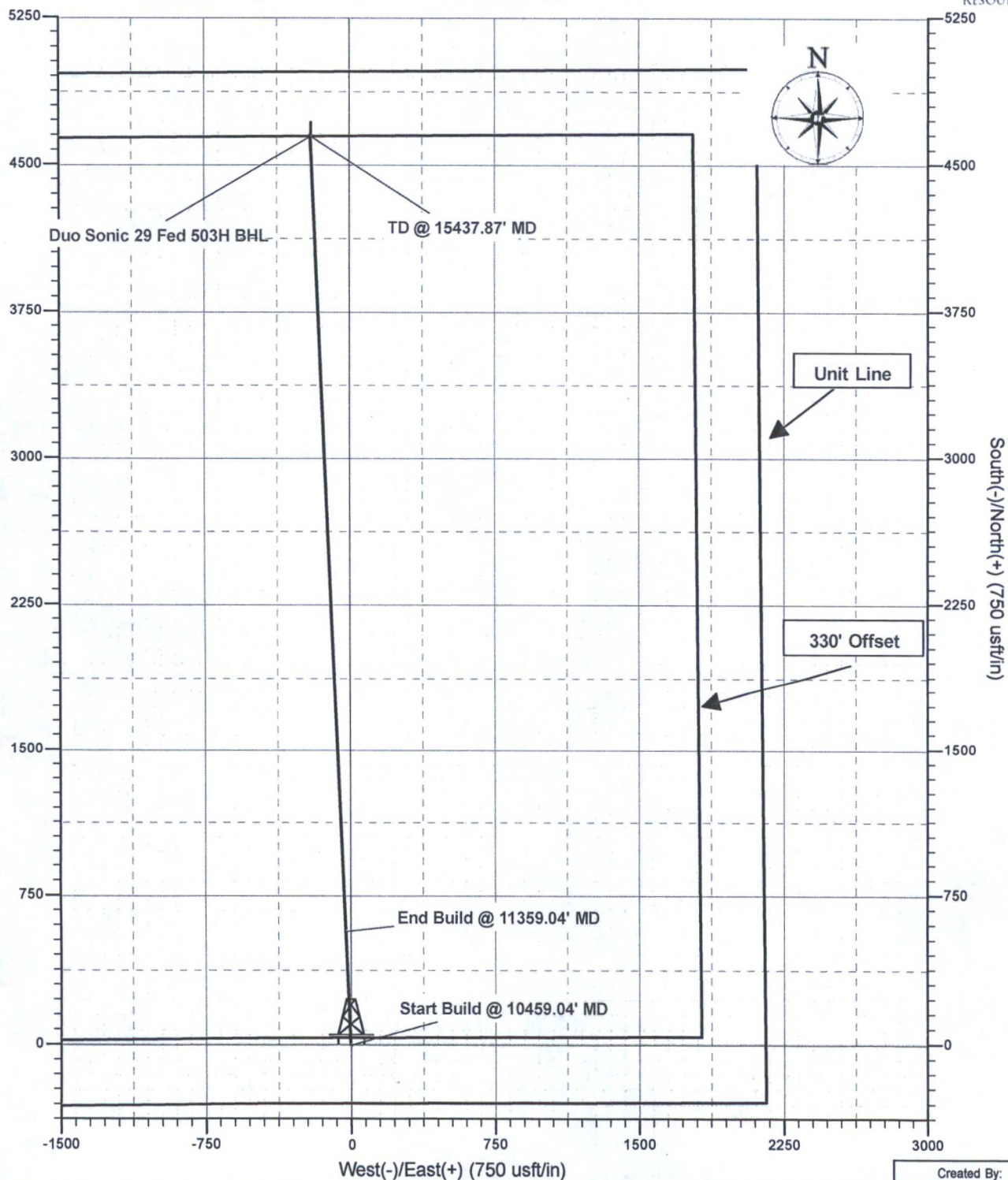
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US State Plane 1983
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 Elevation: GL 3249.5' + KB 25' @ 3274.50usft (TBD)
 Northing 399556.34 Easting 834095.18 Latitude 32° 5' 41.755 N Longitude 103° 23' 16.659 W

To convert a Magnetic Direction to a Grid Direction, Add 6.58°

Magnetic Model: BGGM2015 Date: 15-Mar-16
 Azimuths to Grid North



Endurance Resources, LLC

Lea County, NM (NAD 83)

Duo Sonic 29 Fed

Duo Sonic 29 Fed 503H

Wellbore #1

Plan: Plan #1

HOBBS OCD
OCT 03 2016
RECEIVED

Sperry Drilling Services Proposal Report

15 March, 2016

Well Coordinates: 399,556.34 N, 834,095.18 E (32° 05' 41.76" N, 103° 23' 16.66" W)
Ground Level: 3,249.50 usft

Local Coordinate Origin:	Centered on Well Duo Sonic 29 Fed 503H
Viewing Datum:	GL 3249.5' + KB 25' @ 3274.50usft (TBD)
TVDs to System:	N
North Reference:	Grid
Unit System:	API - US Survey Feet

Version: 5000.1 Build: 81B

HALLIBURTON

HALLIBURTON**Plan Report for Duo Sonic 29 Fed 503H - Plan #1**

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	Toolface Azimuth (°)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,400.00	0.00	0.00	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,500.00	0.00	0.00	4,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,600.00	0.00	0.00	4,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,700.00	0.00	0.00	4,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,800.00	0.00	0.00	4,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,900.00	0.00	0.00	4,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,000.00	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,100.00	0.00	0.00	5,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,200.00	0.00	0.00	5,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,300.00	0.00	0.00	5,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,400.00	0.00	0.00	5,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,500.00	0.00	0.00	5,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,600.00	0.00	0.00	5,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,700.00	0.00	0.00	5,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,800.00	0.00	0.00	5,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

HALLIBURTON**Plan Report for Duo Sonic 29 Fed 503H - Plan #1**

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	Toolface Azimuth (°)
5,900.00	0.00	0.00	5,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,000.00	0.00	0.00	6,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,100.00	0.00	0.00	6,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,200.00	0.00	0.00	6,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,300.00	0.00	0.00	6,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,400.00	0.00	0.00	6,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,500.00	0.00	0.00	6,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,600.00	0.00	0.00	6,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,700.00	0.00	0.00	6,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,800.00	0.00	0.00	6,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,900.00	0.00	0.00	6,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,000.00	0.00	0.00	7,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,100.00	0.00	0.00	7,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,200.00	0.00	0.00	7,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,300.00	0.00	0.00	7,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,400.00	0.00	0.00	7,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,500.00	0.00	0.00	7,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,600.00	0.00	0.00	7,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,700.00	0.00	0.00	7,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,800.00	0.00	0.00	7,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,900.00	0.00	0.00	7,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,000.00	0.00	0.00	8,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,100.00	0.00	0.00	8,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,200.00	0.00	0.00	8,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,300.00	0.00	0.00	8,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,400.00	0.00	0.00	8,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,500.00	0.00	0.00	8,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,600.00	0.00	0.00	8,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,700.00	0.00	0.00	8,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,800.00	0.00	0.00	8,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,900.00	0.00	0.00	8,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,000.00	0.00	0.00	9,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,100.00	0.00	0.00	9,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,200.00	0.00	0.00	9,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,300.00	0.00	0.00	9,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,400.00	0.00	0.00	9,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,500.00	0.00	0.00	9,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,600.00	0.00	0.00	9,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,700.00	0.00	0.00	9,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,800.00	0.00	0.00	9,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,900.00	0.00	0.00	9,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10,000.00	0.00	0.00	10,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10,100.00	0.00	0.00	10,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10,200.00	0.00	0.00	10,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10,300.00	0.00	0.00	10,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10,400.00	0.00	0.00	10,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10,459.04	0.00	0.00	10,459.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build @ 10459.04' MD - Dogleg = 10.00°/100'										
10,500.00	4.10	357.54	10,499.97	1.46	-0.06	1.46	10.00	10.00	0.00	357.54
10,550.00	9.10	357.54	10,549.62	7.20	-0.31	7.20	10.00	10.00	0.00	0.00
10,600.00	14.10	357.54	10,598.58	17.24	-0.74	17.25	10.00	10.00	0.00	0.00
10,650.00	19.10	357.54	10,646.48	31.50	-1.35	31.53	10.00	10.00	0.00	0.00
10,700.00	24.10	357.54	10,692.96	49.88	-2.14	49.93	10.00	10.00	0.00	0.00
10,750.00	29.10	357.54	10,737.65	72.24	-3.10	72.30	10.00	10.00	0.00	0.00
10,800.00	34.10	357.54	10,780.23	98.40	-4.22	98.49	10.00	10.00	0.00	0.00
10,850.00	39.10	357.54	10,820.36	128.17	-5.50	128.29	10.00	10.00	0.00	0.00
10,900.00	44.10	357.54	10,857.74	161.32	-6.92	161.47	10.00	10.00	0.00	0.00
10,950.00	49.10	357.54	10,892.09	197.61	-8.48	197.79	10.00	10.00	0.00	0.00
11,000.00	54.10	357.54	10,923.14	236.74	-10.16	236.96	10.00	10.00	0.00	0.00

HALLIBURTON**Plan Report for Duo Sonic 29 Fed 503H - Plan #1**

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	Toolface Azimuth (°)
11,050.00	59.10	357.54	10,950.66	278.43	-11.94	278.68	10.00	10.00	0.00	0.00
11,100.00	64.10	357.54	10,974.43	322.35	-13.83	322.65	10.00	10.00	0.00	0.00
11,150.00	69.10	357.54	10,994.29	368.18	-15.79	368.52	10.00	10.00	0.00	0.00
11,200.00	74.10	357.54	11,010.07	415.57	-17.83	415.95	10.00	10.00	0.00	0.00
11,250.00	79.10	357.54	11,021.66	464.15	-19.91	464.57	10.00	10.00	0.00	0.00
11,300.00	84.10	357.54	11,028.96	513.55	-22.03	514.02	10.00	10.00	0.00	0.00
11,350.00	89.10	357.54	11,031.93	563.40	-24.17	563.92	10.00	10.00	0.00	0.00
11,359.04	90.00	357.54	11,032.00	572.43	-24.56	572.96	10.00	10.00	0.00	0.00
End Build @ 11359.04' MD - Hold Angle = 90.00°										
11,400.00	90.00	357.54	11,032.00	613.35	-26.31	613.92	0.00	0.00	0.00	0.00
11,500.00	90.00	357.54	11,032.00	713.26	-30.60	713.92	0.00	0.00	0.00	0.00
11,600.00	90.00	357.54	11,032.00	813.17	-34.88	813.92	0.00	0.00	0.00	0.00
11,700.00	90.00	357.54	11,032.00	913.08	-39.17	913.92	0.00	0.00	0.00	0.00
11,800.00	90.00	357.54	11,032.00	1,012.98	-43.46	1,013.92	0.00	0.00	0.00	0.00
11,900.00	90.00	357.54	11,032.00	1,112.89	-47.74	1,113.92	0.00	0.00	0.00	0.00
12,000.00	90.00	357.54	11,032.00	1,212.80	-52.03	1,213.92	0.00	0.00	0.00	0.00
12,100.00	90.00	357.54	11,032.00	1,312.71	-56.31	1,313.92	0.00	0.00	0.00	0.00
12,200.00	90.00	357.54	11,032.00	1,412.62	-60.60	1,413.92	0.00	0.00	0.00	0.00
12,300.00	90.00	357.54	11,032.00	1,512.52	-64.89	1,513.92	0.00	0.00	0.00	0.00
12,400.00	90.00	357.54	11,032.00	1,612.43	-69.17	1,613.92	0.00	0.00	0.00	0.00
12,500.00	90.00	357.54	11,032.00	1,712.34	-73.46	1,713.92	0.00	0.00	0.00	0.00
12,600.00	90.00	357.54	11,032.00	1,812.25	-77.74	1,813.92	0.00	0.00	0.00	0.00
12,700.00	90.00	357.54	11,032.00	1,912.16	-82.03	1,913.92	0.00	0.00	0.00	0.00
12,800.00	90.00	357.54	11,032.00	2,012.07	-86.32	2,013.92	0.00	0.00	0.00	0.00
12,900.00	90.00	357.54	11,032.00	2,111.97	-90.60	2,113.92	0.00	0.00	0.00	0.00
13,000.00	90.00	357.54	11,032.00	2,211.88	-94.89	2,213.92	0.00	0.00	0.00	0.00
13,100.00	90.00	357.54	11,032.00	2,311.79	-99.17	2,313.92	0.00	0.00	0.00	0.00
13,200.00	90.00	357.54	11,032.00	2,411.70	-103.46	2,413.92	0.00	0.00	0.00	0.00
13,300.00	90.00	357.54	11,032.00	2,511.61	-107.75	2,513.92	0.00	0.00	0.00	0.00
13,400.00	90.00	357.54	11,032.00	2,611.51	-112.03	2,613.92	0.00	0.00	0.00	0.00
13,500.00	90.00	357.54	11,032.00	2,711.42	-116.32	2,713.92	0.00	0.00	0.00	0.00
13,600.00	90.00	357.54	11,032.00	2,811.33	-120.60	2,813.92	0.00	0.00	0.00	0.00
13,700.00	90.00	357.54	11,032.00	2,911.24	-124.89	2,913.92	0.00	0.00	0.00	0.00
13,800.00	90.00	357.54	11,032.00	3,011.15	-129.17	3,013.92	0.00	0.00	0.00	0.00
13,900.00	90.00	357.54	11,032.00	3,111.05	-133.46	3,113.92	0.00	0.00	0.00	0.00
14,000.00	90.00	357.54	11,032.00	3,210.96	-137.75	3,213.92	0.00	0.00	0.00	0.00
14,100.00	90.00	357.54	11,032.00	3,310.87	-142.03	3,313.92	0.00	0.00	0.00	0.00
14,200.00	90.00	357.54	11,032.00	3,410.78	-146.32	3,413.92	0.00	0.00	0.00	0.00
14,300.00	90.00	357.54	11,032.00	3,510.69	-150.60	3,513.92	0.00	0.00	0.00	0.00
14,400.00	90.00	357.54	11,032.00	3,610.59	-154.89	3,613.92	0.00	0.00	0.00	0.00
14,500.00	90.00	357.54	11,032.00	3,710.50	-159.18	3,713.92	0.00	0.00	0.00	0.00
14,600.00	90.00	357.54	11,032.00	3,810.41	-163.46	3,813.92	0.00	0.00	0.00	0.00
14,700.00	90.00	357.54	11,032.00	3,910.32	-167.75	3,913.92	0.00	0.00	0.00	0.00
14,800.00	90.00	357.54	11,032.00	4,010.23	-172.03	4,013.92	0.00	0.00	0.00	0.00
14,900.00	90.00	357.54	11,032.00	4,110.14	-176.32	4,113.92	0.00	0.00	0.00	0.00
15,000.00	90.00	357.54	11,032.00	4,210.04	-180.61	4,213.92	0.00	0.00	0.00	0.00
15,100.00	90.00	357.54	11,032.00	4,309.95	-184.89	4,313.92	0.00	0.00	0.00	0.00
15,200.00	90.00	357.54	11,032.00	4,409.86	-189.18	4,413.92	0.00	0.00	0.00	0.00
15,300.00	90.00	357.54	11,032.00	4,509.77	-193.46	4,513.92	0.00	0.00	0.00	0.00
15,400.00	90.00	357.54	11,032.00	4,609.68	-197.75	4,613.92	0.00	0.00	0.00	0.00
15,437.87	90.00	357.54	11,032.00	4,647.51	-199.37	4,651.79	0.00	0.00	0.00	0.00
TD @ 15437.87' MD - Duo Sonic 29 Fed 503H BHL										

HALLIBURTON**Plan Report for Duo Sonic 29 Fed 503H - Plan #1****Plan Annotations**

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
10,459.04	10,459.04	0.00	0.00	Start Build @ 10459.04' MD
10,459.04	10,459.04	0.00	0.00	Dogleg = 10.00°/100'
11,359.04	11,032.00	572.43	-24.56	End Build @ 11359.04' MD
11,359.04	11,032.00	572.43	-24.56	Hold Angle = 90.00°
15,437.87	11,032.00	4,647.51	-199.37	TD @ 15437.87' MD

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin		Start TVD (usft)
				+N/_S (usft)	+E/-W (usft)	
TD	No Target (Freehand)	357.54	Slot	0.00	0.00	0.00

Survey tool program

From (usft)	To (usft)	Survey/Plan	Survey Tool
0.00	15,437.87	Plan #1	MWD

Targets associated with this wellbore

Target Name	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Shape
Duo Sonic 29 Fed 503H BHL	11,032.00	4,647.51	-199.37	Point

HALLIBURTON**North Reference Sheet for Duo Sonic 29 Fed - Duo Sonic 29 Fed 503H - Wellbore #1**

All data is in US Feet unless otherwise stated. Directions and Coordinates are relative to Grid North Reference.

Vertical Depths are relative to GL 3249.5' + KB 25' @ 3274.50usft (TBD). Northing and Easting are relative to Duo Sonic 29 Fed 503H

Coordinate System is US State Plane 1983, New Mexico Eastern Zone using datum North American Datum 1983, ellipsoid GRS 1980

Projection method is Transverse Mercator (Gauss-Kruger)

Central Meridian is -104.33°, Longitude Origin:0° 0' 0.000 E°, Latitude Origin:0° 0' 0.000 N°

False Easting: 541,337.50usft, False Northing: 0.00usft, Scale Reduction: 1.00000725

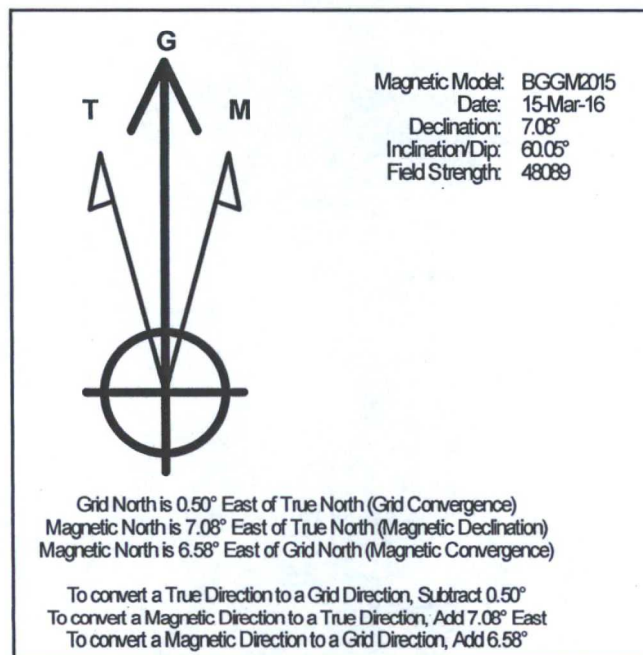
Grid Coordinates of Well: 399,556.34 usft N, 834,095.18 usft E

Geographical Coordinates of Well: 32° 05' 41.76" N, 103° 23' 16.66" W

Grid Convergence at Surface is: 0.50°

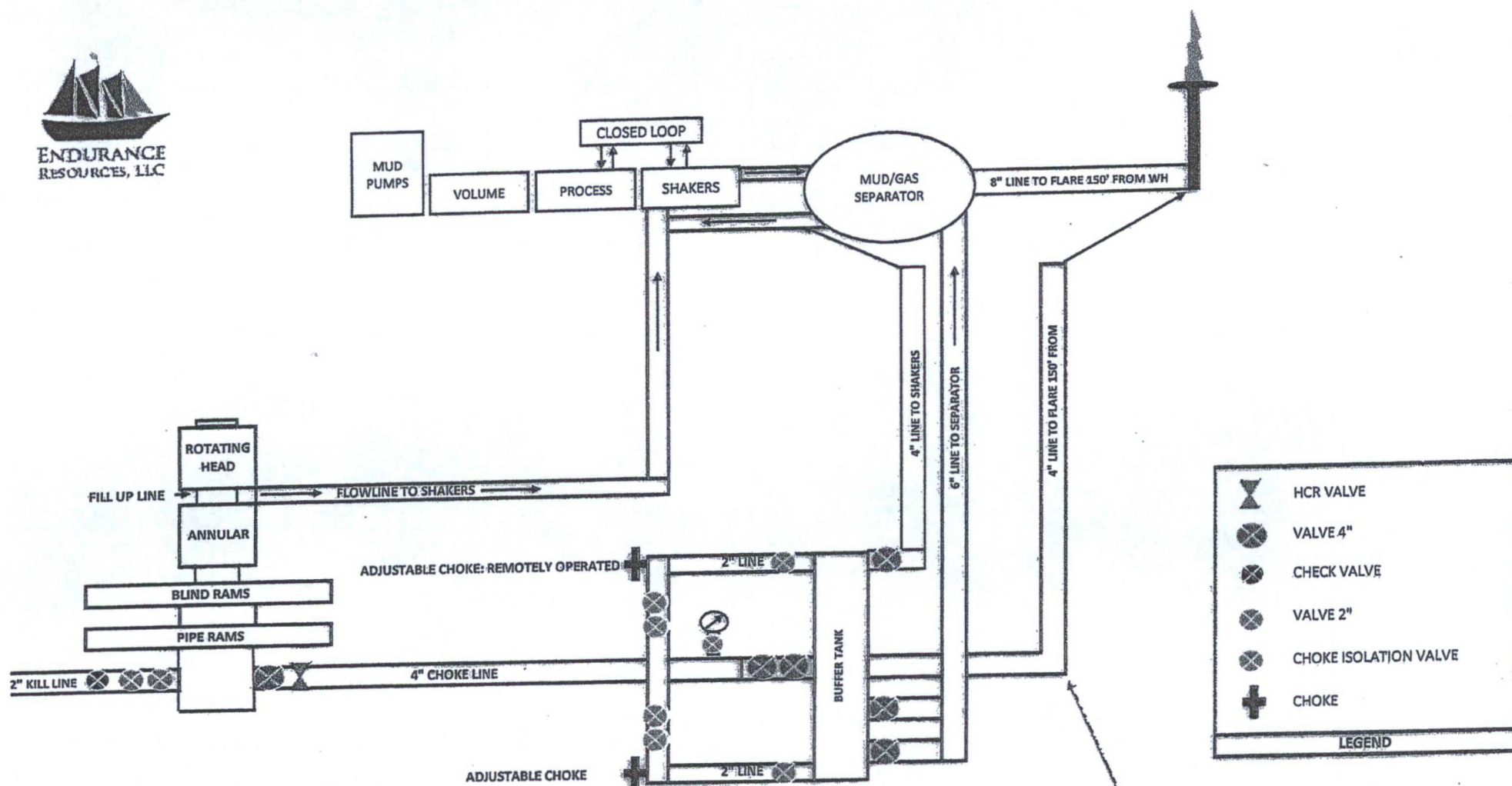
Based upon Minimum Curvature type calculations, at a Measured Depth of 15,437.87usft the Bottom Hole Displacement is 4,651.79usft in the Direction of 357.54° (Grid).

Magnetic Convergence at surface is: -6.58° (15 March 2016, , BGGM2015)



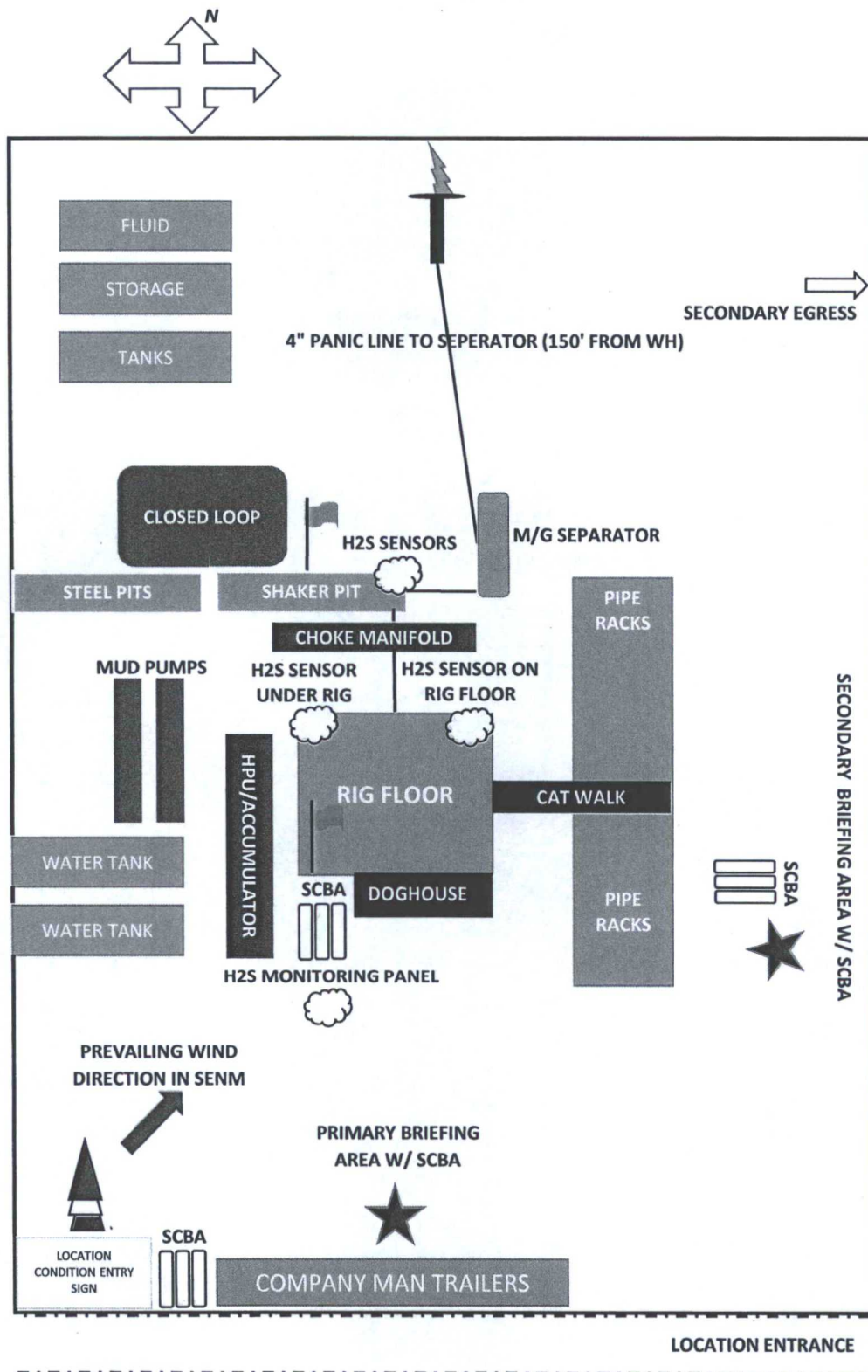
5M
10M

10M BOP, 5M CHOKE MANIFOLD, AND CLOSED LOOP EQUIPMENT SCHEMATIC FOR 13-5/8 BOP SYSTEM TESTED TO 3M PER ONSHORE ORDER #2

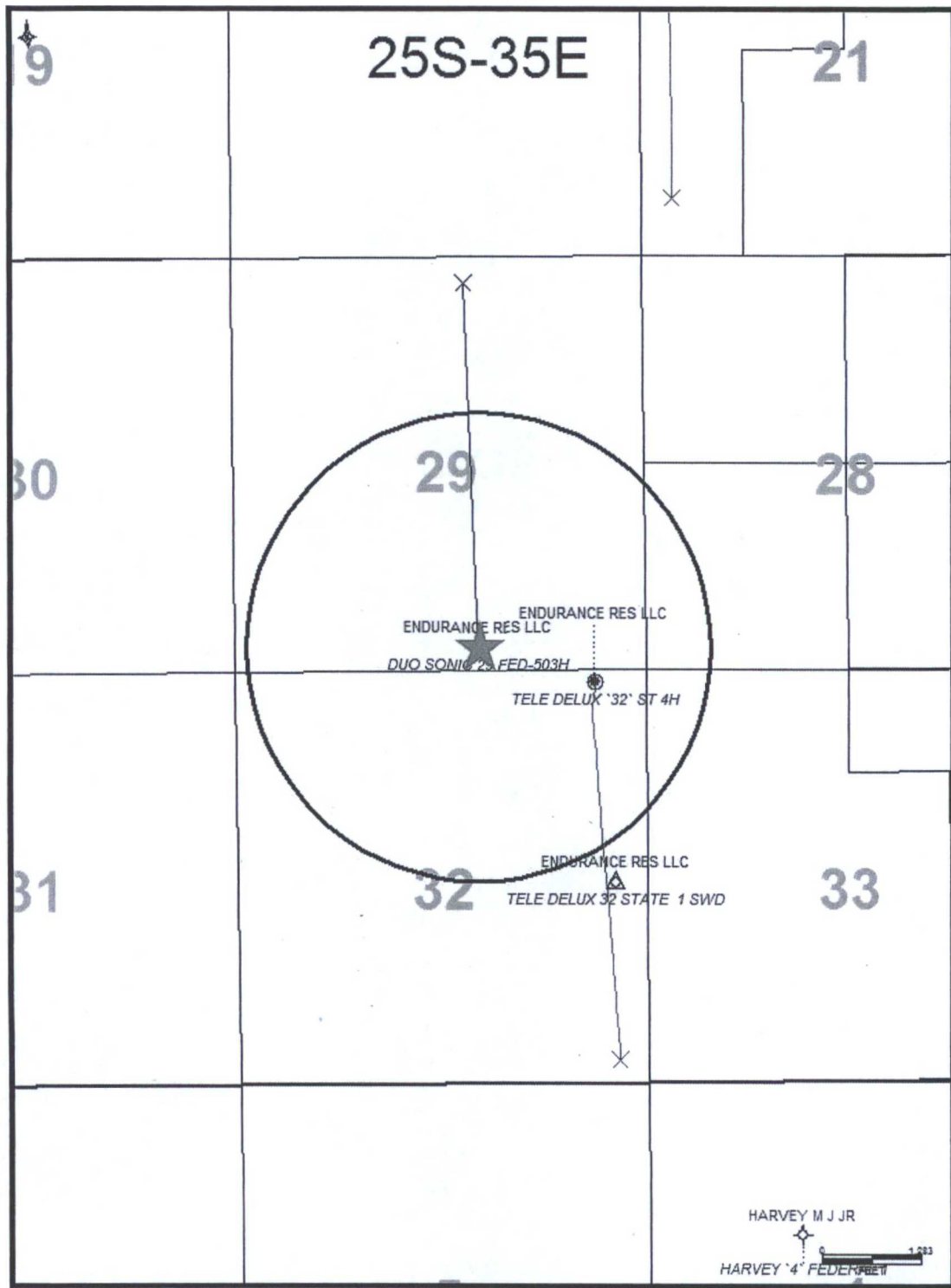


TARGETED T'S. ALL TURNS WILL BE TARGETED.
 OPTION TO USE FLEX HOUSE. TBD ONCE DRILLING RIG IS SECURED. WILL SUNDRY.
 ALL CHOKE LINES WILL BE STRAIGHT LINES UNLESS TURNS THAT USE TEE BLOCKS OR ARE
 TARGETED WITH RUNNING TEES, AND WILL BE ANCHORED TO PREVENT WHIP & REDUCE VIBRATION

ENDURANCE RESOURCES LLC
RIG LOCATION LAYOUT & H2S SAFETY EQUIPMENT LOCATION
WELL PADS 420' X 350'
NOTE: DRAWING NOT TO SCALE



Duo Sonic 29 Federal-503H
3000' H2S Radius Map



- ★ Surface Location
- H2S 3000' Radius