

Apache Corporation
303 Veterans Airpark Lane, #3000
Midland, TX 79705

Hummingbird Federal Com #008H
Eddy County, New Mexico

API # 30-015-43051
E-Sec: 1 175. R31E
2210 FNL, 100 FWL

253	2.53	0.50	0.88	2.21	2.21
489	2.36	1.25	2.19	5.16	7.38
761	2.72	2.00	3.50	9.52	16.90
806	0.45	2.10	3.68	1.65	18.55
1020	2.14	0.40	0.70	1.50	20.05
1364	3.44	0.90	1.58	5.42	25.47
1663	2.99	0.30	0.53	1.57	27.04
1961	2.98	1.00	1.75	5.22	32.25
2214	2.53	0.50	0.88	2.21	34.46
2471	2.57	0.10	0.18	0.45	34.91
2684	2.13	0.10	0.18	0.37	35.29
2985	3.01	0.10	0.18	0.53	35.81
3241	2.56	0.40	0.70	1.79	37.61
3454	2.13	0.60	1.05	2.24	39.84
3748	2.94	0.50	0.88	2.57	42.41
3976	2.28	0.70	1.23	2.79	45.21
4270	2.94	0.50	0.88	2.57	47.78
4518	2.48	0.50	0.88	2.17	49.95
4787	2.69	0.60	1.05	2.82	52.77
5030	2.43	0.70	1.23	2.98	55.75
5354	3.24	0.20	0.35	1.13	56.89



Archie Brown - General Manager

The attached instrument was acknowledged before me on the 22nd day of September, 2015 by
Archie Brown - General Manager, CapStar Drilling, Inc.


Notary Public





Apache Corporation

Eddy County, NM (NAD27 NME)

Hummingbird Federal Com

#8H

OH / Job# 1514236

Design: Surveys (Capstar 114)

Standard Survey Report

13 September, 2015





Phoenix Technology Services LP

Survey Report



Company:	Apache Corporation	Local Co-ordinate Reference:	Well #8H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	KB @ 4030.00usft (Capstar 114)
Site:	Hummingbird Federal Com	MD Reference:	KB @ 4030.00usft (Capstar 114)
Well:	#8H	North Reference:	Grid
Wellbore:	OH / Job# 1514236	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Capstar 114)	Database:	Compass 5000 GCR

Project:	Eddy County, NM (NAD27 NME)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site:	Hummingbird Federal Com		
Site Position:	Map	Northings:	677,262.80 usft
From:		Eastings:	655,481.80 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 51' 39.07462 N
		Longitude:	103° 48' 37.14788 W
		Grid Convergence:	0.27 °

Well:	#8H		
Well Position	+N-S	0.00 usft	Northings:
	+E-W	0.00 usft	Eastings:
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft
		Latitude:	32° 51' 53.07868 N
		Longitude:	103° 49' 51.22685 W
		Ground Level:	4,019.00 usft

Wellbore:	OH / Job# 1514236		
Magnetics:	Model Name	Sample Date	Declination
	HDGM	8/27/2015	7.50
			Dip Angle
			60.85
			Field Strength
			48,615

Design:	Surveys (Capstar 114)		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N-S	+E-W
	(usft)	(usft)	(usft)
	0.00	0.00	0.00
			Direction
			(°)
			89.57

Survey Program:	Date 9/13/2015		
From	To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
100.00	5,237.00	Phoenix Gyro Surveys (OH / Job# 151423)	PHX_SPT_GTD
5,385.00	10,520.00	Phoenix MWD Surveys (OH / Job# 151423)	PHX+MWD+HDGM
			Description
			PHX Continuous north-seeking gyro
			PHX+MWD+HDGM

Measured Depth	Inclination	Azimuth	Vertical Depth	+N-S	+E-W	Vertical Section	Dogleg Rate	Build Rate	Turn Rate
(usft)	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(°/100usft)	(°/100usft)	(°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.16	215.44	100.00	-0.11	-0.08	-0.08	0.16	0.16	0.00
200.00	0.58	238.73	200.00	-0.49	-0.60	-0.61	0.45	0.43	23.29
300.00	1.16	237.16	299.99	-1.31	-1.89	-1.90	0.57	0.57	-1.57
400.00	1.64	234.49	399.95	-2.79	-4.05	-4.07	0.68	0.68	-2.67
500.00	2.10	236.38	499.89	-4.74	-6.88	-6.82	0.27	0.26	1.89
600.00	2.24	229.29	599.82	-7.03	-9.89	-9.94	0.30	0.14	-7.09
700.00	2.31	233.07	699.74	-9.51	-12.98	-13.05	0.17	0.07	3.78
800.00	2.42	232.08	799.66	-12.02	-16.26	-16.35	0.12	0.11	-0.98
900.00	1.95	238.69	899.58	-14.20	-19.38	-19.46	0.53	-0.47	8.60



Phoenix Technology Services LP

Survey Report



Company:	Apache Corporation	Local Co-ordinate Reference:	Well #8H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	KB @ 4030.00usft (Capstar 114)
Site:	Hummingbird Federal Con	MD Reference:	KB @ 4030.00usft (Capstar 114)
Well:	#8H	North Reference:	Grid
Wellbore:	OH / Job# 1514236	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Capstar 114)	Database:	Compass 5000 GCR

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	ΔN-S (usft)	ΔE-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,000.00	1.70	240.97	999.53	-15.81	-22.13	-22.25	0.26	-0.25	2.28
1,100.00	1.42	238.29	1,099.50	-17.18	-24.48	-24.61	0.29	-0.28	-2.88
1,200.00	1.17	257.59	1,199.47	-18.05	-26.53	-26.67	0.50	-0.25	19.30
1,300.00	1.28	248.29	1,299.45	-18.68	-26.55	-26.69	0.22	0.09	-9.30
1,400.00	0.84	221.38	1,399.43	-19.63	-30.08	-30.20	0.64	-0.42	-26.91
1,500.00	0.47	33.08	1,499.43	-19.84	-30.32	-30.46	1.31	-0.37	171.70
1,600.00	0.17	227.25	1,599.43	-19.60	-30.20	-30.35	0.64	-0.30	-165.83
1,700.00	0.37	179.71	1,699.43	-20.02	-30.31	-30.46	0.28	0.20	-47.54
1,800.00	0.98	50.57	1,799.42	-19.81	-29.68	-29.81	1.23	0.59	-129.14
1,900.00	1.02	47.64	1,899.41	-18.68	-28.35	-28.49	0.08	0.06	-2.93
2,000.00	0.88	56.13	1,999.39	-17.65	-27.06	-27.19	0.20	-0.14	8.49
2,100.00	0.81	68.39	2,099.38	-16.93	-25.68	-25.81	0.19	0.03	12.26
2,200.00	0.68	73.25	2,199.37	-16.47	-24.38	-24.50	0.24	-0.23	4.86
2,300.00	0.38	342.69	2,299.37	-16.00	-23.80	-24.02	0.77	-0.32	-90.57
2,400.00	0.40	156.10	2,399.37	-16.01	-23.85	-23.97	0.76	0.04	173.42
2,500.00	0.24	209.61	2,499.37	-16.52	-23.82	-23.94	0.32	-0.16	53.51
2,600.00	0.28	158.33	2,599.37	-16.91	-23.84	-23.96	0.22	0.02	-51.28
2,700.00	0.20	333.18	2,699.37	-16.98	-23.83	-23.96	0.46	-0.06	174.85
2,800.00	0.14	292.72	2,799.37	-16.76	-24.02	-24.15	0.13	-0.06	-40.46
2,900.00	0.15	262.62	2,899.36	-16.73	-24.27	-24.39	0.08	0.01	-30.10
3,000.00	0.25	325.29	2,999.36	-16.57	-24.52	-24.64	0.22	0.10	62.67
3,100.00	0.31	231.59	3,099.36	-16.56	-24.86	-24.98	0.41	0.06	-93.70
3,200.00	0.31	162.74	3,199.36	-16.98	-24.99	-25.11	0.35	0.00	-68.85
3,300.00	0.44	152.51	3,299.36	-17.58	-24.73	-24.88	0.15	0.13	-10.23
3,400.00	0.69	275.75	3,399.36	-17.86	-25.15	-25.29	1.00	0.25	123.24
3,500.00	0.46	107.07	3,499.36	-17.92	-25.37	-25.50	1.14	-0.23	-168.68
3,600.00	0.54	245.56	3,599.35	-18.23	-25.41	-25.55	0.94	0.08	138.49
3,700.00	0.53	255.88	3,699.35	-18.54	-26.29	-26.43	0.10	-0.01	10.32
3,800.00	0.57	169.92	3,799.35	-19.14	-26.65	-26.79	0.75	0.04	-65.96
3,900.00	0.45	176.92	3,899.34	-20.02	-26.54	-26.69	0.13	-0.12	7.00
4,000.00	0.58	313.15	3,999.34	-20.07	-26.89	-27.04	0.96	0.13	136.23
4,100.00	0.39	268.13	4,099.34	-19.74	-27.60	-27.75	0.41	-0.19	-45.02
4,200.00	0.34	204.71	4,199.34	-20.02	-28.06	-28.21	0.39	-0.05	-63.42
4,300.00	0.32	178.36	4,299.33	-20.57	-28.18	-28.33	0.15	-0.02	-26.35
4,400.00	0.36	216.56	4,399.33	-21.11	-28.37	-28.53	0.24	0.05	38.20
4,500.00	0.34	295.02	4,499.33	-21.25	-28.84	-29.00	0.46	-0.04	78.46
4,600.00	0.36	130.71	4,599.33	-21.33	-28.87	-29.03	0.69	0.02	-164.31
4,700.00	0.36	237.90	4,699.33	-21.70	-28.90	-29.06	0.58	0.00	107.19
4,800.00	0.37	119.87	4,799.33	-22.03	-28.88	-29.05	0.63	0.01	-118.03
4,900.00	0.33	47.57	4,899.33	-22.00	-28.39	-28.55	0.41	-0.04	-72.30
5,000.00	0.36	252.45	4,999.33	-21.90	-28.49	-28.66	0.69	0.05	-155.12
5,100.00	0.30	319.35	5,099.32	-21.80	-28.98	-29.14	0.38	-0.08	66.90
5,200.00	0.26	258.99	5,199.32	-21.65	-29.37	-29.53	0.28	-0.04	-90.36



Phoenix Technology Services LP Survey Report



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Site:	Hummingbird Federal Com	MD Reference:	KB @ 4030.00usft (Capstar 114)
Well:	#8H	North Reference:	Grid
Wellbore:	OH / Job# 1514238	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Capstar 114)	Database:	Compass 5000 GCR

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)
5,237.00	0.34	298.57	5,236.32	-21.81	-29.55	-29.71	0.59	0.22	108.97
5,385.00	2.80	88.10	5,384.27	-21.28	-26.19	-26.35	2.16	1.73	101.03
First Phoenix MWD Survey									
5,428.00	9.40	87.90	5,427.00	-21.11	-21.59	-21.75	15.12	15.12	-0.47
5,470.00	15.80	82.80	5,467.86	-20.27	-12.48	-12.64	15.45	15.24	-12.14
5,513.00	22.40	78.60	5,508.58	-17.91	1.37	1.24	15.67	15.35	-9.77
5,555.00	26.80	79.10	5,546.79	-14.55	18.46	18.35	10.01	10.00	1.19
5,598.00	30.00	81.70	5,584.84	-11.18	38.55	38.47	8.41	7.91	6.05
5,641.00	32.80	83.70	5,621.32	-8.35	60.81	60.74	7.17	6.74	4.65
5,683.00	36.70	85.00	5,655.81	-6.00	84.65	84.61	9.22	9.05	3.10
5,726.00	41.50	87.70	5,689.17	-4.31	111.71	111.67	11.84	11.16	6.28
5,769.00	46.30	88.10	5,720.14	-3.49	141.50	141.47	11.39	11.16	3.28
5,811.00	51.60	89.20	5,747.72	-3.02	173.16	173.13	12.62	12.82	0.24
5,854.00	55.90	88.70	5,773.14	-2.38	207.82	207.80	10.04	10.00	-1.16
5,897.00	60.00	88.40	5,785.95	-1.46	244.25	244.23	9.55	9.53	-0.70
5,940.00	64.20	89.20	5,816.07	-0.87	282.24	282.22	9.90	9.77	1.88
5,982.00	67.30	89.50	5,833.31	-0.23	320.52	320.51	7.41	7.38	0.71
6,025.00	71.30	90.40	5,848.51	-0.20	360.74	360.73	9.51	9.30	2.09
6,068.00	75.30	91.20	5,860.86	-0.78	401.91	401.89	9.47	9.30	1.86
6,110.00	79.40	91.60	5,870.08	-1.78	442.87	442.84	9.81	9.76	0.85
6,154.00	85.60	90.20	5,875.80	-2.46	486.47	486.43	14.44	14.09	-3.18
6,198.00	89.60	88.50	5,877.56	-1.89	528.42	528.39	10.35	9.52	-4.05
6,239.00	90.80	87.60	5,877.41	-0.52	571.39	571.37	3.49	2.79	-2.09
6,282.00	91.50	87.40	5,876.55	1.35	614.34	614.33	1.89	1.63	-0.47
6,409.00	92.30	88.40	5,872.34	6.00	741.18	741.21	1.01	0.83	0.79
6,537.00	88.80	91.30	5,871.11	6.34	869.14	869.17	3.55	-2.73	2.27
6,664.00	89.10	92.00	5,873.43	2.88	996.07	996.06	0.80	0.24	0.55
6,782.00	90.00	91.60	5,874.44	-1.56	1,123.99	1,123.95	0.72	0.70	-0.16
6,920.00	89.00	91.30	5,876.56	-5.03	1,251.94	1,251.87	0.87	-0.78	-0.39
7,048.00	89.80	91.10	5,877.12	-7.71	1,379.80	1,379.80	0.49	0.47	-0.16
7,176.00	88.40	90.00	5,879.35	-8.93	1,507.87	1,507.76	1.27	-0.94	-0.86
7,305.00	88.20	90.30	5,883.18	-9.27	1,636.81	1,636.70	0.28	-0.16	0.23
7,432.00	88.70	89.20	5,886.62	-8.72	1,763.76	1,763.65	0.95	0.39	-0.87
7,560.00	89.30	88.70	5,888.65	-6.37	1,891.72	1,891.62	0.81	0.47	-0.39
7,688.00	90.20	87.70	5,889.41	-2.35	2,019.65	2,019.56	1.05	0.70	-0.78
7,817.00	90.70	86.60	5,888.40	4.08	2,146.49	2,146.46	0.94	0.39	-0.85
7,944.00	91.00	88.40	5,888.51	9.80	2,275.35	2,275.36	1.44	0.24	1.42
8,072.00	90.50	89.60	5,884.64	11.83	2,403.31	2,403.34	1.02	-0.39	0.94
8,200.00	88.70	91.00	5,885.73	11.16	2,531.30	2,531.31	1.78	-1.41	1.09
8,328.00	87.90	90.50	5,889.53	9.49	2,659.23	2,659.23	0.74	-0.63	-0.39
8,456.00	87.40	88.70	5,894.78	10.38	2,787.12	2,787.12	1.46	-0.39	-1.41
8,584.00	88.60	87.80	5,899.36	14.29	2,914.97	2,915.00	1.11	0.86	-0.70
8,712.00	90.10	87.30	5,900.92	19.76	3,042.84	3,042.80	1.31	1.25	-0.39



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Site:	Hummingbird Federal Com	MD Reference:	KB @ 4030.00usft (Capstar 114)
Well:	#8H	North Reference:	Grid
Wellbore:	OH / Job# 1514238	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Capstar 114)	Database:	Compass 5000 GCR

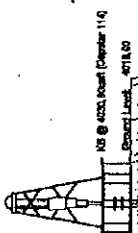
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Built Rate (°/100usft)	Turn Rate (°/100usft)
8,840.00	88.80	88.50	5,899.91	24.45	3,170.75	3,170.84	1.09	0.55	0.94
8,868.00	88.70	88.60	5,800.47	28.57	3,298.72	3,298.83	1.85	-1.64	0.88
9,098.00	90.20	89.70	5,901.70	27.35	3,426.71	3,426.82	1.17	1.17	0.08
9,224.00	89.10	90.20	5,902.48	27.46	3,554.70	3,554.81	0.94	-0.88	0.39
9,353.00	87.70	90.00	5,908.08	27.24	3,663.85	3,663.75	1.10	-1.09	-0.16
9,481.00	88.80	89.40	5,910.22	27.91	3,811.58	3,811.68	0.84	0.70	-0.47
9,609.00	90.20	89.10	5,911.58	29.59	3,939.56	3,939.67	1.27	1.26	-0.23
9,737.00	90.80	90.00	5,910.66	30.59	4,067.55	4,067.66	0.77	0.31	0.70
9,865.00	91.00	90.60	5,908.88	29.92	4,195.53	4,195.64	0.56	0.31	0.47
9,993.00	89.50	91.20	5,908.32	27.91	4,323.51	4,323.80	1.26	-1.17	0.47
10,121.00	88.90	90.20	5,912.34	28.35	4,451.43	4,451.50	2.18	-2.03	-0.78
10,249.00	88.80	89.70	5,917.36	26.46	4,579.32	4,579.39	1.36	1.33	-0.39
10,377.00	89.80	88.90	5,918.04	26.02	4,707.30	4,707.38	1.19	1.02	-0.63
10,450.00	90.50	88.20	5,918.78	29.87	4,780.27	4,780.38	1.28	0.82	-0.88
Final Phoenix MWD Survey									
10,520.00	90.50	88.20	5,918.17	32.07	4,850.24	4,850.34	0.00	0.00	0.00
Projection to TD									

Measured Depth (usft)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Comment
5,385.00	5,384.27	-21.28	-26.19	First Phoenix MWD Survey
10,450.00	5,918.78	29.87	4,780.27	Final Phoenix MWD Survey
10,520.00	5,918.17	32.07	4,850.24	Projection to TD

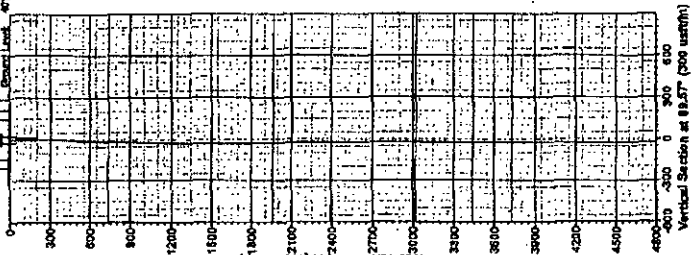
Checked By: _____ Approved By: _____ Date: _____

Project: Eddy County, NM (NAD27 NME)
 Site: Hummingbird Federal Com
 Well: #8H
 Wellbore: OH / Job# 1514236
 Design: Plan #3 09-08-15
 Rig: Capstar 114

Phoenix
 TECHNOLOGY SERVICES



NS @ 4200' (Capstar 114)
 NS @ 4200' (Capstar 114)



Well Details	Wellbore	Wellhead	Well Depth	Well Diameter	Well Orientation	Well Completion
Wellbore	OH / Job# 1514236	Wellhead	4200'	4.0"	100° 49' 51.288" N	100° 49' 51.288" W

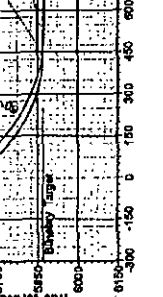
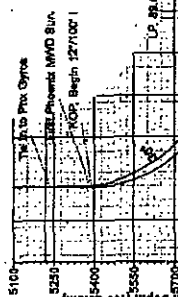
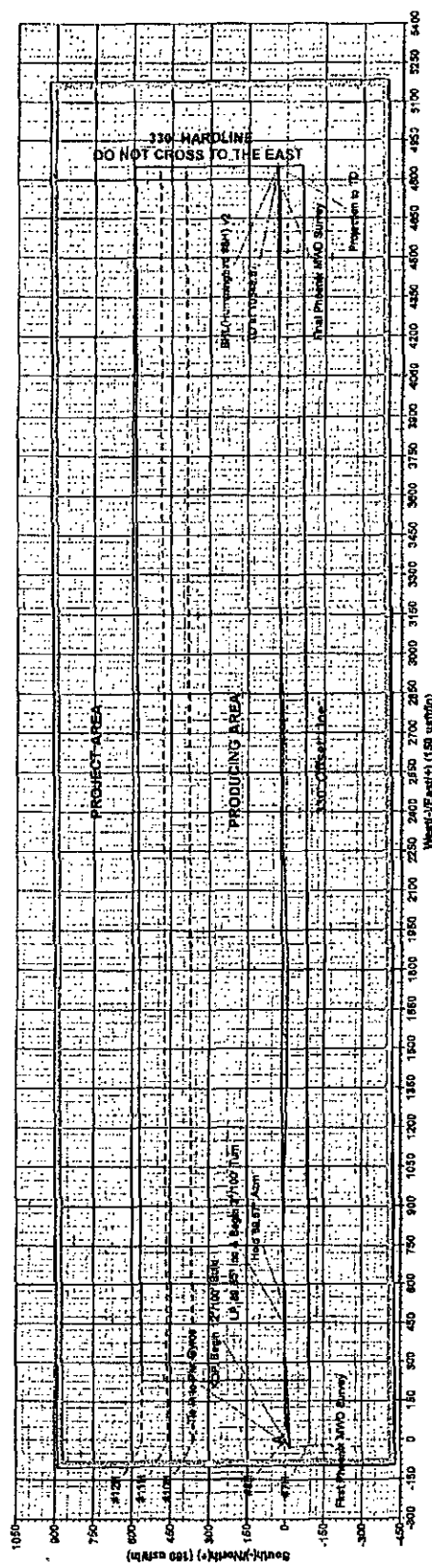
Section Details	Section	Depth	Length	Area	Volume	Weight	Notes
1	NS	0.00	0.00	0.00	0.00	0.00	NS @ 4200' (Capstar 114)
2	NS	0.00	0.00	0.00	0.00	0.00	NS @ 4200' (Capstar 114)
3	NS	0.00	0.00	0.00	0.00	0.00	NS @ 4200' (Capstar 114)
4	NS	0.00	0.00	0.00	0.00	0.00	NS @ 4200' (Capstar 114)
5	NS	0.00	0.00	0.00	0.00	0.00	NS @ 4200' (Capstar 114)

Design Target Details	Design	Target	Design	Target	Design	Target
1	NS	0.00	0.00	0.00	0.00	0.00
2	NS	0.00	0.00	0.00	0.00	0.00
3	NS	0.00	0.00	0.00	0.00	0.00
4	NS	0.00	0.00	0.00	0.00	0.00
5	NS	0.00	0.00	0.00	0.00	0.00

Formation Top Details	Formation	Top	Depth	Length	Area	Volume	Weight
1	NS	0.00	0.00	0.00	0.00	0.00	0.00
2	NS	0.00	0.00	0.00	0.00	0.00	0.00
3	NS	0.00	0.00	0.00	0.00	0.00	0.00
4	NS	0.00	0.00	0.00	0.00	0.00	0.00
5	NS	0.00	0.00	0.00	0.00	0.00	0.00

Legend	Legend	Legend	Legend	Legend	Legend	Legend
1	NS	0.00	0.00	0.00	0.00	0.00
2	NS	0.00	0.00	0.00	0.00	0.00
3	NS	0.00	0.00	0.00	0.00	0.00
4	NS	0.00	0.00	0.00	0.00	0.00
5	NS	0.00	0.00	0.00	0.00	0.00

Map System: US State Plane 1827 (Eddi sub-area)
 Datum: NAD 1983 (NADCON CONUS)
 Zone Name: New Mexico East 3001
 Local Origin: Well #8H, Grid North
 Latitude: 32° 51' 53.2768" N
 Longitude: 107° 49' 51.2885" W
 Grid East: 854274.30
 Grid North: 871572.30
 Scale Factor: 1.000
 Geometric Accuracy: 1000M
 Magnetic Declination: 7.20°
 Do Azim from Horizontal: 62.85°
 Magnetic Field Strength: 48815
 To convert a Magnetic Direction to a Grid Direction, Add 7.20°
 To convert a Magnetic Direction to a True Direction, Add 7.20°
 To convert a True Direction to a Grid Direction, Subtract 0.37°

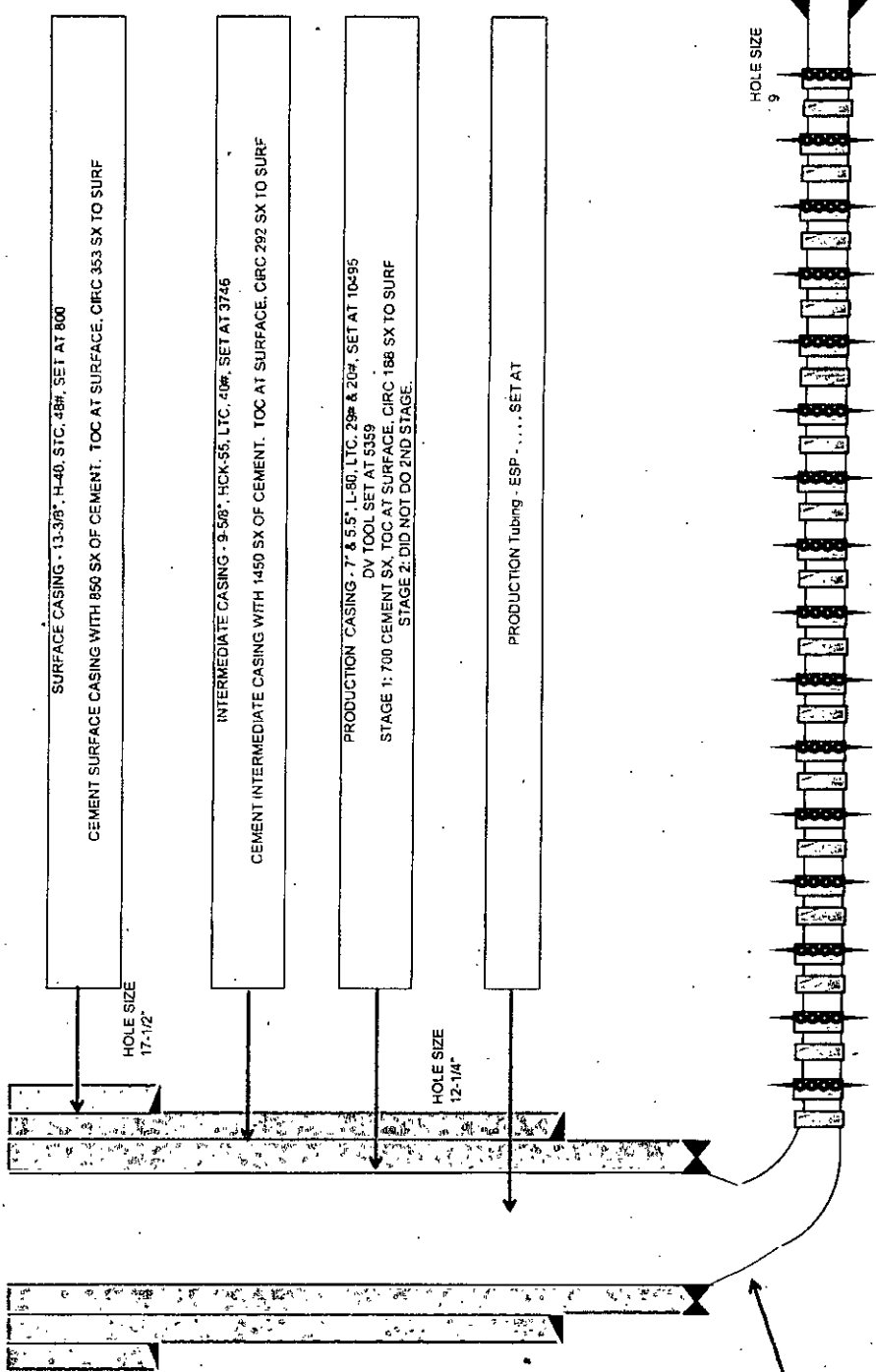


WELL NAME: HUMMINGBIRD FEDERAL 8H
 API: 30-015-43051
 SPUD DATE: 8/29/2015
 PRODUCING FORMATION: U. BLINEBRY
 FIELD: CEDAR LAKE (BP)
 COUNTY: EDDY
 STATE: NEW MEXICO
 WORKING INTEREST: 100.00%

SURFACE LOC: 2210' FNL & 100' FWL
 SECTION: 1
 TOWNSHIP: 17-S
 RANGE: 31-E
 SURVEY: JOHN WEST SURVEYING CO
 BOTTOM HOLE LOC: 2214' FNL & 333' FEL
 SECTION: 1
 TOWNSHIP: 17-S
 RANGE: 31-E
 SURVEY: JOHN WEST SURVEYING CO
 DRILL RIG: CAPSTAR 114
 RIG RELEASE: 9/16/2015

KB (ft): 4,030.00
 GL (ft): 4,019.00
 KB/GL DIFF (ft): 11.00
 TMD (ft): 10,520.00
 TO OF PILOT HOLE (ft): N/A
 FC DEPTH (ft): 10,486.00
 PBMD (ft): 10,520.00
 RDV DEPTH (ft): N/A
 ORIO VALVE (ft): N/A
 DEEPEST TVD (ft): 5,919.00

TAPERED CASING STRING:
 7" 29# L-80 TO X-OVER @ 5.362'
 TAPERING TO 5.5" 20# L-80 SET @ 10.495'



KOP (ft): 5.362
 LATERAL LENGTH (ft): 4.307
 TD OF PILOT HOLE (ft): N/A

PACKERS & SLEEVES
 TOP PERF (MD): 6.213
 BOTTOM PERF (MD): 10.486

TMD (ft): 10.520
 FC DEPTH (ft): 10.486
 PBMD (ft): 10.520
 RDV DEPTH (ft): N/A
 ORIO VALVE (ft): N/A

PACKERS & SLEEVES - 16 STAGES			
TOTAL ACID (bbl)	TOTAL LTR (bbl)	TOTAL PROPPANT (lbs)	MAX WH RATE (bpm)
2.861	70.049	3,020,500	97.00
PRODUCTION METHOD		MAX WH PRESSURE (psl)	
Pumping		6,528	
LIFT TYPE		SETTING DEPTH	
ESP		0	
CROSSOVER SUB @ 5.362'			

COMPLETION:
 STIMULATION:
 STATUS:
 COMMENTS:

LAST UPDATED BY: HILLARI GOULD
 LAST UPDATED: 3/23/2016