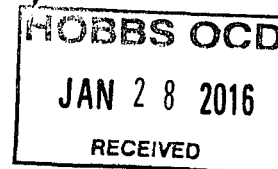


3002542502



OCT 26 2015



October 22, 2015

Matador Production Company
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Attn: Drilling Department

Re: Hibiscus 08 19 35 RN State Com 124H

Please find enclosed a copy of the survey from 0' to 3433.50' ran on the above referenced well.

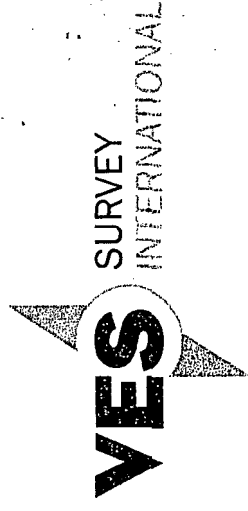
If I can be of any further service, please do not hesitate to call me at 800-606-4976.

Sincerely,

A handwritten signature in black ink, appearing to read "JB".

Jennifer Byerly
Operations

FEB 23 2016



Company: Matador Production Company
 Lease/Well: Hibiscus 08 19 35 RN State Com/124H

Rig Name: Patterson 297
 State/County: New Mexico/Lea
 VS-Azi: 0.00 Degrees

Latitude: 32.68283, Longitude: -103.47164
 Grid North = True North -0.47 degs (NAD 27)
 Grid Correction Applied = -0.47 degs

Depth Reference : RKB = 28.5

DRILLOG MS GYRO SURVEY CALCULATIONS
 Filename: gyro survey.ut
 Minimum Curvature Method
 Report Date/Time: 10/22/2015 / 13:58

VES Survey International
 Midland, TX
 432-563-5444

Surveyor: Andrew Askew

Hibiscus 08 19 35 RN State Com 124H / API 30-025-42502

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N-S FT	+E-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	****
64.62	0.33	148.90	64.62	-0.16	0.10	-0.16	0.19	148.90	0.51
158.20	0.22	123.15	158.20	-0.49	0.39	-0.49	0.62	141.72	0.17
251.78	0.21	125.18	251.78	-0.69	0.68	-0.69	0.97	135.37	0.01
345.36	0.19	104.25	345.36	-0.83	0.97	-0.83	1.28	130.37	0.08
438.94	0.16	35.20	438.94	-0.76	1.20	-0.76	1.42	122.20	0.22
532.52	0.28	32.52	532.52	-0.45	1.40	-0.45	1.47	107.87	0.13
626.10	0.28	28.26	626.10	-0.05	1.64	-0.05	1.64	91.84	0.02
719.68	0.32	29.57	719.67	0.38	1.87	0.38	1.91	78.59	0.04
813.26	0.32	37.77	813.25	0.81	2.16	0.81	2.31	69.47	0.05
906.84	0.32	35.87	906.83	1.22	2.47	1.22	2.76	63.66	0.01
1000.42	0.34	53.16	1000.41	1.60	2.84	1.60	3.26	60.65	0.11
1094.00	0.37	82.40	1093.99	1.81	3.37	1.81	3.82	61.80	0.19
1187.58	0.46	106.88	1187.57	1.74	4.03	1.74	4.39	66.69	0.21
1281.16	0.54	117.43	1281.14	1.42	4.78	1.42	4.99	73.41	0.13
1374.74	0.57	117.69	1374.72	1.01	5.58	1.01	5.67	79.78	0.03
1468.32	0.54	116.21	1468.29	0.60	6.38	0.60	6.41	84.66	0.04

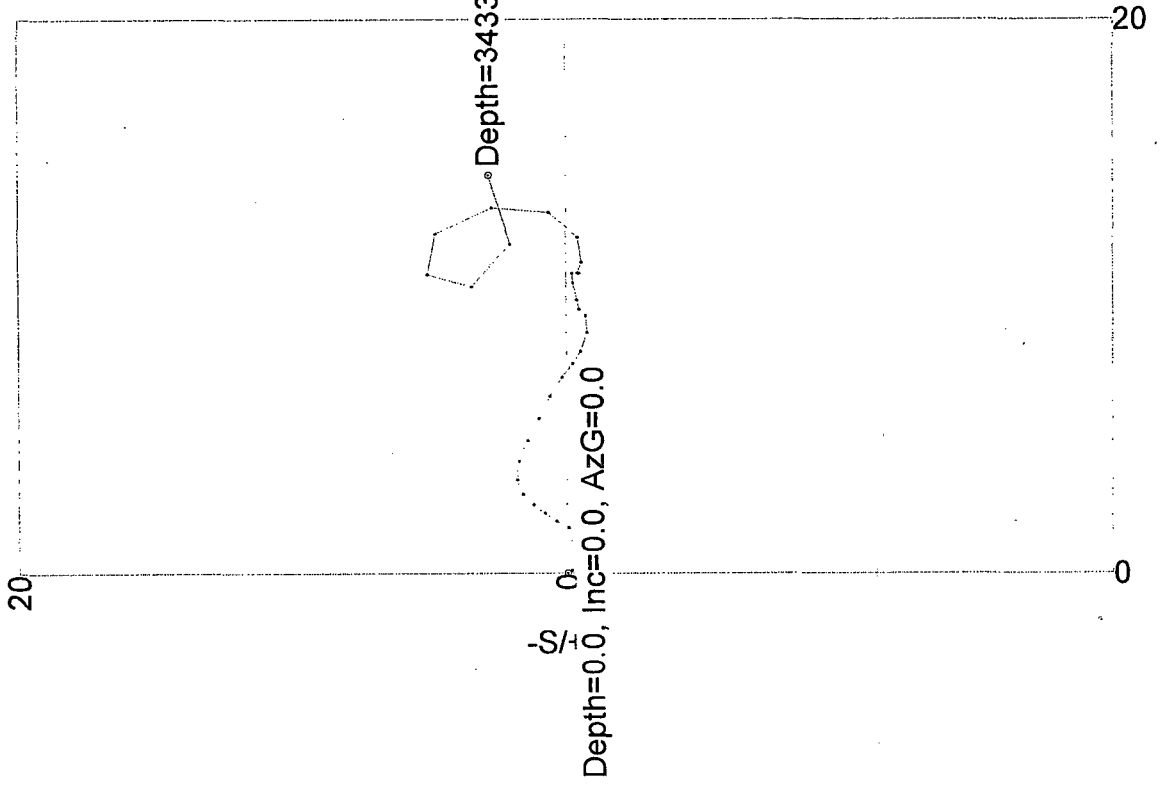
Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Logleg Severity Deg/100
1561.90	0.45	129.84	1561.87	0.17	7.06	0.17	7.06	88.64	0.16
1655.48	0.32	129.23	1655.45	-0.23	7.55	-0.23	7.55	91.78	0.14
1749.06	0.34	117.12	1749.03	-0.53	8.00	-0.53	8.01	93.77	0.08
1842.64	0.55	105.20	1842.60	-0.77	8.68	-0.77	8.71	95.08	0.24
1936.22	0.31	45.75	1936.18	-0.71	9.29	-0.71	9.32	94.39	0.51
2029.80	0.09	42.91	2029.76	-0.48	9.52	-0.48	9.53	92.91	0.23
2123.38	0.36	84.17	2123.34	-0.40	9.86	-0.40	9.87	92.32	0.31
2216.96	0.44	70.36	2216.92	-0.25	10.48	-0.25	10.49	91.37	0.14
2310.54	0.12	184.74	2310.50	-0.23	10.81	-0.23	10.82	91.20	0.53
2404.12	0.18	175.30	2404.08	-0.46	10.82	-0.46	10.83	92.46	0.07
2497.70	0.14	358.53	2497.66	-0.49	10.83	-0.49	10.84	92.61	0.34
2591.28	0.05	175.51	2591.24	-0.42	10.83	-0.42	10.84	92.23	0.20
2684.86	0.49	106.63	2684.81	-0.58	11.22	-0.58	11.23	92.96	0.51
2778.44	0.70	63.63	2778.39	-0.44	12.12	-0.44	12.13	92.08	0.51
2872.02	1.10	25.91	2871.96	0.62	13.03	0.62	13.04	87.27	0.74
2965.60	1.57	350.50	2965.51	2.69	13.21	2.69	13.48	78.47	0.99
3059.18	1.31	317.04	3059.07	4.74	12.27	4.74	13.15	68.88	0.92
3152.76	1.09	237.46	3152.63	5.04	10.79	5.04	11.91	64.96	1.65
3246.34	1.44	165.22	3246.19	3.43	10.35	3.43	10.90	71.68	1.62
3339.92	1.55	102.12	3339.75	2.02	11.89	2.02	12.06	80.36	1.68
3433.50	2.02	50.10	3433.29	2.81	14.39	2.81	14.66	78.94	1.73



VES Survey International
Midland, TX
432-563-5444

Surveyor: Andrew Askew

Hibiscus 08 19 35 RN State Com 124H / API 30-025-42502



-W/+E

V.E.S. Survey Date: 10/18/2015



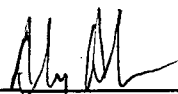
I Andy Askew certify that I am employed by Vaughn Energy Services. That I did on the day(s) of 10/18/15 through 10/18/15 conduct or supervise the taking of a MS Gyro survey from a depth of 0 feet to a depth of 3433.5 feet; that the data is true, correct, complete and within the limitations of the tool as set forth by Vaughn Energy Services, that I am authorized and qualified to make this report; that this survey was conducted at the request of Matador for the Hibiscus 08 19 35 RN State Com Well # 124H API # 30-025-42502 in Lea County / Parish New Mexico; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by Vaughn Energy Services

A handwritten signature in black ink, appearing to read "Andy Askew", is written over a horizontal line.

Andy Askew
Service Technician
Vaughn Energy Services



I Andy Askew certify that I am employed by Vaughn Energy Services. That I did on the day(s) of 10/18/15 through 10/18/15 conduct or supervise the taking of a MS Gyro survey from a depth of 0 feet to a depth of 3433.5 feet; that the data is true, correct, complete and within the limitations of the tool as set forth by Vaughn Energy Services, that I am authorized and qualified to make this report; that this survey was conducted at the request of Matador for the Hibiscus 08 19 35 RN State Com Well # 124H API # 30-025-42502 in Lea County / Parish New Mexico; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by Vaughn Energy Services



Andy Askew
Service Technician
Vaughn Energy Services