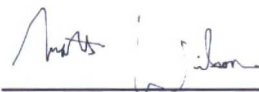


Survey Company: MS Energy Services
MWD Surveyor Name: Matt Wilson
Survey Type: MWD
Operating Company: Devon Energy Production Company, LP
Well Name & Number: Arabian 30-19 Fed COM 1H
API Number: 30-025-43176
Surveyed Depths: 147' – 17,824' MD; PTB: 17,876'
Dates Performed: 07/02/2017 – 07/20/2017
Location: Lea County, NM
Job Number: DDMO-170621

HOBBS OCD**DEC 26 2017****RECEIVED**

I certify that the data is true, correct and complete and within the limitations of the tool set forth by MS Energy Services; that I am authorized and qualified to make this report and that I have reviewed this report and find it conforms to the principles and procedures as set forth by MS Energy Services.

Digitally signed by:



Title: MWD Field Specialist

Date: 08-04-2017

Email: mwilson@msenergyservices.com

V09.04.02

Company:	Devon Energy Production Company, LP				
Well Name:	Arabian 30-19 Fed COM 1H				
Location:	Lea County, NM				
Rig:	Cactus #126				Magnetic Declination: 6
Job Number:	DDMO-170621				
API #:	30-025-43176				
Vertical Section Azimuth:	0.00				Proposed Direction: 0
Survey Calculation Method:	Minimum Curvature				
PTB:	MD	INC	AZM	TVD	N/S
	17,876	91.6	1.6	10435.45	7563.2

#	Depth Feet	Inc Degrees	Azm Degrees	TVD Feet	N/S Feet	E/W Feet	Surface Vert Sec
TIE IN	0	0.00	0.00	0.00	0.00	0.00	
1	147	0.20	127.60	147.00	-0.16	0.20	-0.16
2	246	0.70	28.60	246.00	0.27	0.63	0.27
3	339	0.60	29.20	338.99	1.19	1.14	1.19
4	401	0.20	12.40	400.99	1.58	1.32	1.58
5	494	0.40	25.00	493.99	2.03	1.49	2.03
6	587	0.70	33.10	586.98	2.80	1.94	2.80
7	679	0.70	45.00	678.98	3.67	2.64	3.67
8	772	0.90	36.40	771.97	4.66	3.48	4.66
9	864	0.80	47.00	863.96	5.68	4.38	5.68
10	988	0.90	47.50	987.94	6.93	5.73	6.93
11	1,073	0.60	76.50	1072.94	7.49	6.65	7.49
12	1,256	0.40	44.40	1255.93	8.17	8.03	8.17
13	1,439	0.80	54.70	1438.92	9.36	9.52	9.36
14	1,624	0.60	43.00	1623.91	10.81	11.24	10.81
15	1,810	0.50	109.60	1809.90	11.25	12.67	11.25
16	1,998	0.80	130.60	1997.89	10.13	14.44	10.13
17	2,186	0.40	175.20	2185.88	8.62	15.49	8.62
18	2,375	0.60	134.20	2374.87	7.27	16.25	7.27
19	2,563	0.60	194.10	2562.86	5.63	16.72	5.63
20	2,751	1.10	203.70	2750.84	3.02	15.75	3.02
21	2,939	0.90	215.00	2938.81	0.16	14.18	0.16
22	3,127	0.90	172.80	3126.79	-2.51	13.52	-2.51
23	3,315	0.70	175.90	3314.77	-5.12	13.78	-5.12
24	3,503	1.00	171.80	3502.75	-7.89	14.10	-7.89
25	3,691	1.80	137.10	3690.70	-11.68	16.35	-11.68
26	3,880	1.90	149.80	3879.60	-16.56	19.94	-16.56
27	4,068	2.80	139.30	4067.44	-22.74	24.50	-22.74
28	4,256	2.70	145.80	4255.22	-29.88	29.99	-29.88
29	4,288	2.80	149.10	4287.19	-31.18	30.81	-31.18
30	4,355	2.60	147.00	4354.11	-33.85	32.48	-33.85
31	4,449	2.70	163.40	4448.01	-37.76	34.27	-37.76
32	4,543	2.60	169.40	4541.91	-41.98	35.30	-41.98
33	4,637	2.60	169.20	4635.82	-46.17	36.09	-46.17

Company:	Devon Energy Production Company, LP		
Well Name:	Arabian 30-19 Fed COM 1H		
Location:	Lea County, NM		
Rig:	Cactus #126	Magnetic Declination:	6
Job Number:	DDMO-170621		
API #:	30-025-43176		

Vertical Section Azimuth:	0.00	Proposed Direction:	0
Survey Calculation Method:	Minimum Curvature		

PTB:	MD	INC	AZM	TVD	N/S
	17,876	91.6	1.6	10435.45	7563.2

#	Depth Feet	Inc Degrees	Azm Degrees	TVD Feet	N/S Feet	E/W Feet	Surface Vert Sec
34	4,731	2.50	168.00	4729.72	-50.27	36.92	-50.27
35	4,826	2.40	168.00	4824.64	-54.24	37.76	-54.24
36	4,919	2.30	167.20	4917.56	-57.97	38.58	-57.97
37	5,014	2.10	170.40	5012.49	-61.54	39.29	-61.54
38	5,108	2.50	178.50	5106.41	-65.29	39.63	-65.29
39	5,202	2.70	183.00	5200.32	-69.55	39.57	-69.55
40	5,296	2.60	185.80	5294.22	-73.88	39.24	-73.88
41	5,390	2.20	187.90	5388.13	-77.79	38.78	-77.79
42	5,484	2.50	183.70	5482.05	-81.62	38.40	-81.62
43	5,578	2.30	179.60	5575.97	-85.56	38.28	-85.56
44	5,672	2.10	181.20	5669.90	-89.16	38.25	-89.16
45	5,766	2.00	171.30	5763.84	-92.51	38.47	-92.51
46	5,860	1.90	166.30	5857.79	-95.64	39.08	-95.64
47	5,954	1.70	170.70	5951.74	-98.53	39.68	-98.53
48	6,049	1.30	164.70	6046.71	-100.96	40.19	-100.96
49	6,143	1.00	163.60	6140.69	-102.78	40.70	-102.78
50	6,237	0.50	157.80	6234.68	-103.94	41.09	-103.94
51	6,331	0.50	173.20	6328.68	-104.73	41.29	-104.73
52	6,425	0.50	170.40	6422.67	-105.54	41.41	-105.54
53	6,519	0.40	187.90	6516.67	-106.27	41.43	-106.27
54	6,613	0.30	226.80	6610.67	-106.77	41.21	-106.77
55	6,707	0.30	259.20	6704.67	-106.98	40.79	-106.98
56	6,801	0.40	249.90	6798.67	-107.14	40.24	-107.14
57	6,895	0.40	226.00	6892.66	-107.48	39.69	-107.48
58	6,989	0.80	226.80	6986.66	-108.16	38.98	-108.16
59	7,083	0.80	232.90	7080.65	-109.00	37.98	-109.00
60	7,177	1.00	229.80	7174.64	-109.93	36.83	-109.93
61	7,271	1.00	240.10	7268.62	-110.87	35.49	-110.87
62	7,365	0.90	233.50	7362.61	-111.71	34.18	-111.71
63	7,459	0.70	219.40	7456.60	-112.60	33.23	-112.60
64	7,553	0.80	227.40	7550.59	-113.49	32.38	-113.49
65	7,647	0.80	228.20	7644.59	-114.37	31.41	-114.37
66	7,741	0.80	235.50	7738.58	-115.18	30.38	-115.18
67	7,835	0.60	215.10	7832.57	-115.95	29.55	-115.95

POS-04-02

Company:		Devon Energy Production Company, LP					
Well Name:		Arabian 30-19 Fed COM 1H					
Location:		Lea County, NM					
Rig:		Cactus #126			Magnetic Declination:		6
Job Number:		DDMO-170621					
API #:		30-025-43176					
Vertical Section Azimuth:			0.00		Proposed Direction:		0
Survey Calculation Method:			Minimum Curvature				
PTB:	MD	INC		AZM	TVD	N/S	
	17,876	91.6		1.6	10435.45	7563.2	
#	Depth Feet	Inc Degrees	Azm Degrees	TVD Feet	N/S Feet	E/W Feet	Surface Vert Sec
68	7,929	0.70	205.80	7926.56	-116.87	29.02	-116.87
69	8,023	0.80	205.10	8020.55	-117.98	28.49	-117.98
70	8,117	0.70	196.60	8114.55	-119.13	28.05	-119.13
71	8,211	0.60	197.70	8208.54	-120.14	27.74	-120.14
72	8,305	0.60	198.90	8302.54	-121.08	27.43	-121.08
73	8,399	0.70	2.50	8396.53	-120.97	27.29	-120.97
74	8,493	0.70	356.70	8490.53	-119.82	27.28	-119.82
75	8,587	0.70	352.00	8584.52	-118.68	27.17	-118.68
76	8,681	0.90	349.00	8678.51	-117.39	26.95	-117.39
77	8,775	0.90	356.00	8772.50	-115.93	26.76	-115.93
78	8,869	0.90	16.40	8866.49	-114.48	26.91	-114.48
79	8,963	0.90	15.50	8960.48	-113.06	27.32	-113.06
80	9,057	0.80	347.10	9054.47	-111.71	27.37	-111.71
81	9,152	1.10	351.60	9149.45	-110.16	27.09	-110.16
82	9,246	1.20	334.50	9243.43	-108.38	26.53	-108.38
83	9,339	1.20	327.60	9336.41	-106.68	25.59	-106.68
84	9,434	1.10	329.40	9431.39	-105.06	24.60	-105.06
85	9,528	0.40	313.30	9525.39	-104.06	23.90	-104.06
86	9,622	0.20	320.60	9619.38	-103.70	23.56	-103.70
87	9,716	0.40	310.40	9713.38	-103.36	23.20	-103.36
88	9,810	0.50	311.40	9807.38	-102.88	22.64	-102.88
89	9,847	0.40	305.00	9844.38	-102.70	22.42	-102.70
90	9,906	1.90	343.50	9903.37	-101.64	21.97	-101.64
91	9,999	11.90	0.30	9995.58	-90.55	21.58	-90.55
92	10,046	16.50	3.80	10041.13	-79.04	22.05	-79.04
93	10,093	21.10	4.70	10085.61	-63.94	23.19	-63.94
94	10,140	26.10	2.30	10128.67	-45.16	24.29	-45.16
95	10,187	30.90	0.00	10169.96	-22.75	24.71	-22.75
96	10,234	35.60	359.30	10209.26	3.01	24.54	3.01
97	10,281	40.20	2.80	10246.34	31.86	25.12	31.86
98	10,328	45.40	3.20	10280.81	63.74	26.79	63.74
99	10,375	50.80	3.00	10312.19	98.66	28.68	98.66
100	10,422	55.20	0.60	10340.47	136.16	29.84	136.16
101	10,469	59.80	359.50	10365.72	175.79	29.86	175.79

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10/24/2022

Company:		Devon Energy Production Company, LP					
Well Name:		Arabian 30-19 Fed COM 1H					
Location:		Lea County, NM					
Rig:		Cactus #126				Magnetic Declination:	
Job Number:		DDMO-170621					
API #:		30-025-43176					
Vertical Section Azimuth:			0.00		Proposed Direction:		
Survey Calculation Method:			Minimum Curvature				
PTB:	MD		INC		AZM	TVD	N/S
	17,876		91.6		1.6	10435.45	7563.2
#	Depth Feet	Inc Degrees	Azm Degrees	TVD Feet	N/S Feet	E/W Feet	Surface Vert Sec
102	10,516	63.90	359.30	10387.89	217.22	29.43	217.22
103	10,564	68.00	359.60	10407.44	261.04	29.01	261.04
104	10,611	71.60	359.80	10423.67	305.14	28.78	305.14
105	10,658	74.70	0.60	10437.29	350.12	28.94	350.12
106	10,705	78.30	0.90	10448.26	395.81	29.54	395.81
107	10,752	81.20	1.60	10456.62	442.04	30.55	442.04
108	10,799	84.20	1.80	10462.60	488.63	31.93	488.63
109	10,870	88.30	1.80	10467.24	559.43	34.15	559.43
110	10,964	89.30	2.20	10469.21	653.35	37.43	653.35
111	11,058	90.60	2.80	10469.29	747.26	41.53	747.26
112	11,152	90.90	1.80	10468.06	841.17	45.31	841.17
113	11,246	90.20	1.70	10467.16	935.13	48.18	935.13
114	11,340	91.00	1.00	10466.17	1029.09	50.39	1029.09
115	11,434	92.10	1.40	10463.63	1123.04	52.36	1123.04
116	11,528	91.00	0.60	10461.09	1216.99	54.00	1216.99
117	11,622	90.50	359.40	10459.86	1310.98	54.00	1310.98
118	11,716	90.90	358.10	10458.71	1404.94	51.95	1404.94
119	11,810	92.10	358.50	10456.25	1498.87	49.16	1498.87
120	11,904	90.70	358.20	10453.95	1592.80	46.46	1592.80
121	11,998	88.70	358.50	10454.44	1686.75	43.75	1686.75
122	12,092	89.40	358.70	10456.00	1780.71	41.45	1780.71
123	12,187	89.90	358.90	10456.58	1875.69	39.46	1875.69
124	12,281	91.00	359.60	10455.84	1969.68	38.23	1969.68
125	12,375	89.50	359.30	10455.43	2063.67	37.33	2063.67
126	12,469	89.70	359.50	10456.09	2157.66	36.35	2157.66
127	12,563	90.20	359.90	10456.17	2251.66	35.85	2251.66
128	12,657	89.90	0.70	10456.09	2345.66	36.35	2345.66
129	12,751	90.30	1.10	10455.93	2439.64	37.82	2439.64
130	12,845	90.60	1.80	10455.19	2533.61	40.20	2533.61
131	12,939	89.60	0.30	10455.02	2627.59	41.92	2627.59
132	13,033	90.50	0.80	10454.94	2721.59	42.83	2721.59
133	13,128	91.10	0.90	10453.62	2816.57	44.23	2816.57
134	13,222	89.90	0.40	10452.79	2910.55	45.30	2910.55
135	13,316	90.70	359.80	10452.30	3004.55	45.47	3004.55

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Company:	Devon Energy Production Company, LP				
Well Name:	Arabian 30-19 Fed COM 1H				
Location:	Lea County, NM				
Rig:	Cactus #126			Magnetic Declination:	6
Job Number:	DDMO-170621				
API #:	30-025-43176				
Vertical Section Azimuth:	0.00			Proposed Direction:	0
Survey Calculation Method:	Minimum Curvature				
PTB:	MD	INC	AZM	TVD	N/S
	17,876	91.6	1.6	10435.45	7563.2

#	Depth Feet	Inc Degrees	Azm Degrees	TVD Feet	N/S Feet	E/W Feet	Surface Vert Sec
136	13,410	91.90	0.30	10450.17	3098.53	45.55	3098.53
137	13,504	90.40	0.10	10448.28	3192.50	45.88	3192.50
138	13,598	90.60	0.30	10447.46	3286.50	46.20	3286.50
139	13,692	91.60	0.70	10445.66	3380.48	47.02	3380.48
140	13,786	90.80	0.30	10443.69	3474.45	47.84	3474.45
141	13,880	92.20	0.70	10441.23	3568.41	48.66	3568.41
142	13,975	90.50	0.10	10438.99	3663.38	49.33	3663.38
143	14,069	91.50	0.40	10437.35	3757.36	49.74	3757.36
144	14,163	90.10	0.20	10436.04	3851.35	50.23	3851.35
145	14,257	90.50	0.40	10435.55	3945.35	50.72	3945.35
146	14,351	90.90	1.00	10434.40	4039.33	51.87	4039.33
147	14,445	89.60	0.90	10433.99	4133.32	53.43	4133.32
148	14,539	90.20	359.60	10434.15	4227.31	53.84	4227.31
149	14,633	91.50	359.10	10432.76	4321.30	52.77	4321.30
150	14,727	92.10	359.60	10429.80	4415.24	51.71	4415.24
151	14,821	91.10	358.70	10427.18	4509.19	50.31	4509.19
152	14,915	92.40	359.60	10424.31	4603.14	48.92	4603.14
153	15,009	91.40	358.50	10421.19	4697.07	47.36	4697.07
154	15,103	92.80	358.80	10417.75	4790.98	45.15	4790.98
155	15,197	91.70	359.20	10414.06	4884.89	43.51	4884.89
156	15,292	89.10	358.70	10413.39	4979.86	41.77	4979.86
157	15,385	89.90	359.50	10414.21	5072.85	40.31	5072.85
158	15,479	91.20	0.30	10413.30	5166.84	40.14	5166.84
159	15,574	90.40	0.20	10411.98	5261.83	40.56	5261.83
160	15,668	89.80	358.80	10411.81	5355.82	39.74	5355.82
161	15,762	88.70	358.80	10413.04	5449.79	37.77	5449.79
162	15,856	87.60	358.80	10416.08	5543.72	35.80	5543.72
163	15,950	87.80	358.80	10419.85	5637.62	33.83	5637.62
164	16,044	88.70	359.30	10422.72	5731.57	32.28	5731.57
165	16,138	89.90	0.30	10423.87	5825.55	31.95	5825.55
166	16,232	89.20	0.10	10424.61	5919.55	32.28	5919.55
167	16,326	89.60	0.00	10425.59	6013.55	32.36	6013.55
168	16,420	90.10	0.20	10425.84	6107.54	32.52	6107.54
169	16,515	89.00	0.90	10426.58	6202.53	33.43	6202.53

V09.04.02

Company:		Devon Energy Production Company, LP					
Well Name:		Arabian 30-19 Fed COM 1H					
Location:		Lea County, NM					
Rig:		Cactus #126				Magnetic Declination:	6
Job Number:		DDMO-170621					
API #:		30-025-43176					
Vertical Section Azimuth:				0.00		Proposed Direction:	0
Survey Calculation Method:				Minimum Curvature			
PTB:	MD	INC		AZM	TVD	N/S	
	17,876	91.6		1.6	10435.45	7563.2	
#	Depth Feet	Inc Degrees	Azm Degrees	TVD Feet	N/S Feet	E/W Feet	Surface Vert Sec
170	16,609	89.50	1.40	10427.82	6296.51	35.32	6296.51
171	16,703	89.30	0.30	10428.80	6390.49	36.71	6390.49
172	16,797	90.10	0.90	10429.29	6484.48	37.70	6484.48
173	16,891	89.00	0.20	10430.03	6578.47	38.60	6578.47
174	16,985	88.90	0.10	10431.75	6672.46	38.85	6672.46
175	17,079	89.40	0.30	10433.15	6766.45	39.17	6766.45
176	17,173	88.90	0.30	10434.54	6860.43	39.67	6860.43
177	17,267	89.30	0.40	10436.02	6954.42	40.24	6954.42
178	17,361	89.70	0.80	10436.84	7048.41	41.23	7048.41
179	17,454	88.90	1.30	10437.97	7141.39	42.93	7141.39
180	17,549	89.50	1.30	10439.30	7236.35	45.08	7236.35
181	17,643	90.20	1.50	10439.55	7330.32	47.38	7330.32
182	17,737	90.80	1.50	10438.73	7424.29	49.84	7424.29
183	17,824	91.60	1.60	10436.90	7511.24	52.19	7511.24
PTB:	17,876	91.60	1.60	10435.45	7563.20	53.65	7563.20