

HOBBS OCD
OCT 13 2017
RECEIVED

MWD
SURVEYS

Customer: Conoco Phillips PGS Job #: LNM5121215
 Well: EVGBSU #2738-523 MWD Operator: K. Niemeyer
 Field/Block: Vacuum Directional Driller: Josh Phillips
 Co./Parish: Lea County, NM Date of First Survey: December 16, 2015
 State: New Mexico Date of Last Survey: December 18, 2015



Total Correction: 6.66 East Grid

Vertical Section Plane: 176.86 Nominal Dip Angle: 60.70 Magnetic Field Strength: .486

Measured Depth	Inc.	Azm.	T.V.D.	Ver. Sect.	Coordinates		Closure		DLS	Temp (°F)	Vib/Shk Color	Date	Time	Flow Rate
					+N / -S	+E / -W	Dist.	Angle						
Survey's are tied into: Gyro										Date Received:				
Company: Tie-In Survey Provider														
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
1	1,790	0.3	185.0	1789.99	4.64	-4.67	-0.41	4.69	185.00	0.02		12/16/15	14:15	
2	1,969	0.5	153.2	1968.99	5.82	-5.83	-0.10	5.83	180.95	0.16		12/16/15	15:15	
3	2,148	0.1	194.8	2147.98	6.68	-6.68	0.22	6.68	178.16	0.24		12/16/15	16:00	
4	2,327	0.3	91.8	2326.98	6.87	-6.85	0.64	6.88	174.63	0.19		12/16/15	17:15	
5	2,507	0.7	46.0	2506.98	6.19	-6.10	1.91	6.39	162.64	0.30		12/16/15	18:30	
6	2,686	1.5	69.2	2685.94	4.77	-4.51	4.88	6.64	132.70	0.50		12/16/15	19:45	
7	2,865	1.1	43.9	2864.90	2.88	-2.44	8.26	8.62	106.42	0.39		12/16/15	22:00	
8	3,044	0.4	312.4	3043.89	1.27	-0.78	8.99	9.03	94.93	0.66		12/16/15	23:00	
9	3,224	0.6	309.8	3223.88	0.18	0.25	7.81	7.81	88.16	0.11		12/17/15	0:45	
10	3,403	0.3	302.3	3402.87	-0.73	1.10	6.69	6.78	80.65	0.17		12/17/15	3:15	
11	3,582	1.4	178.1	3581.86	1.18	-0.83	6.37	6.42	97.47	0.89		12/17/15	6:30	
12	3,761	3.9	170.1	3760.65	9.41	-9.02	7.49	11.72	140.31	1.41		12/17/15	10:45	
13	3,940	7.8	171.0	3938.69	27.55	-27.02	10.43	28.96	158.89	2.18		12/17/15	15:15	
14	4,120	11.6	174.5	4116.08	57.79	-57.11	14.08	58.82	166.15	2.14		12/17/15	22:00	
15	4,299	11.4	174.4	4291.49	93.45	-92.63	17.53	94.27	169.28	0.11		12/18/15	2:00	
16	4,479	11.1	174.2	4468.03	128.53	-127.57	21.02	129.29	170.64	0.17		12/18/15	5:30	
17	4,658	12.4	180.7	4643.28	164.92	-163.93	22.52	165.47	172.18	1.04		12/18/15	10:45	
18	4,837	12.4	182.0	4818.11	203.24	-202.36	21.62	203.51	173.90	0.16		12/18/15	15:00	
19	5,025	12.2	183.1	5001.79	243.09	-242.37	19.84	243.18	175.32	0.16		12/18/15	19:45	