



Weatherford®

Evaluation, Drilling & Intervention
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Devon Energy
333 W. Sherridan Ave
Oklahoma City, OK, 73102

Date: June 22, 2015

HOBBS OCD

Attention: Nathan Yanchak

SEP 15 2015

Re: Devon Energy
Well: Bell Lake 19 State 6H
Lea County, New Mexico

RECEIVED

Enclosed, please find the original survey performed on the referenced well by Precision Energy Services, Inc. (P-5 No. 676004), a Weatherford company. Other information required by your office is as follows:

Name & Title Of Surveyor	Well Number	Surveyed Depths	Dates Performed	Type of Survey
Andrew Schmidt MWD Supervisor	6H	9113 MD 14136 MD	5/26/2015 6/17/2015	Measurement While Drilling

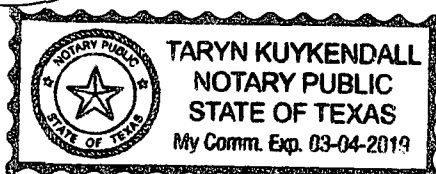
A notarized plan vs. actual is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Jesse Aguilar
MWD Ops Coordinator

On this, the 24th day of June, 2015, before me a notary public, the undersigned officer, personally appeared Jesse Aguilar, known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument, and acknowledged that he executed the same for the purposes therein contained.

In witness hereof, I hereunto set my hand and official seal.

Notary Public



SEP 21 2015

5D Survey Report**Devon Energy****Field Name:** *Lea Co, NM Nad 83 NMEZ***Site Name:** *Bell Lake 19 State 6H***Well Name:** *Bell Lake 19 State 6H***Survey:** *Wft MWD Svy*

17 June 2015

**Weatherford®**

Bell Lake 19 State 6H

Field Name
Lea Co, NM Nad
83 NMEZ

Map Units : US ft
Company Name : Devon Energy
Vertical Reference Datum (VRD) : Mean Sea Level
Projected Coordinate System : NAD83 / New Mexico East (ftUS)
Comment :

Site Name
Bell Lake 19
State 6H

Units : US ft
North Reference : Grid
Convergence Angle : 0.38
Position
Northing : 436071.54 US ft
Latitude : 32° 11' 48.55"
Easting : 762329.95 US ft
Longitude : -103° 37' 8.06"
Elevation above Mean Sea Level: 3542.00 US ft
Comment :

Slot Name
Bell Lake 19
State 6H

Position (Offsets relative to Site Centre)
+N / -S : 0.00 US ft
Northing : 436071.54 US ft
Latitude : 32° 11' 48.55"
+E / -W : 0.00 US ft
Easting : 762329.95 US ft
Longitude : -103° 37' 8.06"
Slot TVD Reference : Ground Elevation
Elevation above Mean Sea Level : 3542.00 US ft
Comment :

Well Name
Bell Lake 19
State 6H

Type : Main well
UWI :
Rig Height Kelly Bushing : 25.00 US ft
Relative to Mean Sea Level: 3567.00 US ft
Comment :
Closure Distance : 4640.28 US ft
Closure Azimuth : 0.501239°
Vertical Section (Position of Origin Relative to Slot)
+N / -S : 0.00 US ft
+E / -W : 0.00 US ft
Az : 359.67°

Survey Name : Wft MWD Svy

Date : 04/Jun/2015
Survey Tool : MWD
Comment :
Company : Wft

Magnetic Model

Model Name: BGGM
Date: 15/Jul/2015
Field Strength:
48216.7 nT
Declination: 7.28°
Dip: 60.11°

Tie Point

MD: 8993
Inclination: 0.31
Azimuth: 105.14
TVD: 8990.84
North Offset: -88.1343
East Offset: 135.972

Well path created using minimum curvature

Survey Points (Relative to Slot centre, TVD relative to Kelly Bushing)										
MD (US ft)	Incl (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	VS (US ft)	DLS (°/100 US ft)	Northing (US ft)	Easting (US ft)	Comment
8993.00	0.31	105.14	8990.84	-88.13	135.97	-88.92	0.00	435983.41	762465.92	Tie On Extreme
9113.00	0.28	315.22	9110.84	-88.01	136.08	-88.79	0.47	435983.53	762466.03	First Wft Svy
9145.00	2.37	333.96	9142.83	-87.36	135.73	-88.14	6.58	435984.18	762465.68	
9176.00	5.25	336.23	9173.76	-85.49	134.88	-86.26	9.30	435986.05	762464.83	
9208.00	8.36	338.01	9205.53	-81.99	133.42	-82.76	9.74	435989.55	762463.37	
9240.00	11.58	340.09	9237.04	-76.81	131.45	-77.57	10.12	435994.73	762461.40	
9271.00	14.70	343.01	9267.22	-70.12	129.24	-70.87	10.29	436001.42	762459.19	
9303.00	17.32	346.37	9297.98	-61.61	126.93	-62.34	8.68	436009.93	762456.88	
9335.00	19.84	349.08	9328.31	-51.65	124.78	-52.36	8.32	436019.89	762454.73	
9366.00	22.07	348.02	9357.26	-40.78	122.58	-41.49	7.30	436030.76	762452.53	
9398.00	24.67	345.94	9386.63	-28.42	119.71	-29.11	8.52	436043.12	762449.66	
9430.00	28.01	344.91	9415.31	-14.68	116.13	-15.35	10.53	436056.86	762446.08	

5D Survey Report

Survey Points (Relative to Slot centre, TVD relative to Kelly Bushing)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	VS (US ft)	DLS (%/100 US ft)	Northing (US ft)	Easting (US ft)	Comment
9461.00	31.58	343.77	9442.20	0.14	111.96	-0.50	11.66	436071.68	762441.91	
9462.60	31.77	343.78	9443.57	0.95	111.73	0.31	11.82	436072.49	762441.68	Cross Prod. Box
9493.00	35.36	343.97	9468.89	17.09	107.06	16.48	11.82	436088.63	762437.01	
9524.00	38.77	345.15	9493.63	35.10	102.10	34.51	11.24	436106.64	762432.05	
9556.00	42.48	347.51	9517.91	55.35	97.19	54.78	12.55	436126.89	762427.14	
9588.00	44.26	350.15	9541.17	76.90	92.94	76.36	7.94	436148.44	762422.89	
9619.00	46.13	354.14	9563.02	98.68	89.95	98.16	10.94	436170.22	762419.90	
9651.00	49.58	357.08	9584.49	122.33	88.15	121.82	12.75	436193.87	762418.10	
9682.00	54.07	357.94	9603.65	146.67	87.10	146.17	14.65	436218.21	762417.05	
9714.00	56.71	356.32	9621.82	172.97	85.77	172.47	9.24	436244.51	762415.72	
9746.00	59.39	354.39	9638.76	200.03	83.57	199.54	9.81	436271.57	762413.52	
9777.00	61.82	354.37	9653.97	226.91	80.92	226.44	7.84	436298.45	762410.87	
9809.00	64.09	355.93	9668.52	255.30	78.52	254.85	8.32	436326.84	762408.47	
9840.00	66.78	357.01	9681.41	283.44	76.78	282.99	9.24	436354.98	762406.73	
9872.00	69.65	357.94	9693.28	313.12	75.48	312.68	9.37	436384.66	762405.43	
9904.00	72.74	358.13	9703.60	343.39	74.44	342.96	9.67	436414.93	762404.39	
9927.00	74.85	358.13	9710.02	365.47	73.72	365.04	9.17	436437.01	762403.67	
9959.00	77.53	358.51	9717.65	396.52	72.81	396.10	8.45	436468.06	762402.76	
9990.00	79.67	358.85	9723.78	426.90	72.11	426.48	6.99	436498.44	762402.06	
10022.00	81.72	359.34	9728.96	458.48	71.61	458.06	6.58	436530.02	762401.56	
10053.00	83.69	359.82	9732.89	489.22	71.39	488.80	6.54	436560.76	762401.34	
10085.00	84.54	359.76	9736.17	521.05	71.27	520.64	2.66	436592.59	762401.22	
10117.00	85.52	359.70	9738.94	552.93	71.12	552.51	3.07	436624.47	762401.07	
10148.00	86.64	359.58	9741.06	583.86	70.92	583.44	3.63	436655.40	762400.87	
10180.00	87.69	359.51	9742.65	615.82	70.67	615.40	3.29	436687.36	762400.62	
10211.00	88.95	0.07	9743.56	646.80	70.56	646.39	4.45	436718.34	762400.51	
10243.00	89.51	0.59	9743.99	678.80	70.74	678.38	2.39	436750.34	762400.69	
10275.00	89.16	1.45	9744.36	710.79	71.31	710.37	2.90	436782.33	762401.26	
10369.00	91.68	1.01	9743.67	804.76	73.33	804.33	2.72	436876.30	762403.28	
10464.00	91.75	359.78	9740.82	899.71	73.98	899.27	1.30	436971.25	762403.93	
10559.00	91.89	0.42	9737.81	994.67	74.15	994.22	0.69	437066.21	762404.10	
10654.00	91.75	0.55	9734.79	1089.61	74.95	1089.16	0.20	437161.15	762404.90	
10749.00	91.54	358.46	9732.06	1184.57	74.13	1184.12	2.21	437256.11	762404.08	
10844.00	90.63	358.15	9730.26	1279.51	71.32	1279.07	1.01	437351.05	762401.27	
10939.00	89.37	357.93	9730.26	1374.45	68.07	1374.03	1.35	437445.99	762398.02	
11034.00	90.49	359.12	9730.38	1469.41	65.63	1469.01	1.72	437540.95	762395.58	
11129.00	90.77	359.53	9729.34	1564.40	64.51	1564.00	0.52	437635.94	762394.46	
11224.00	93.15	1.96	9726.09	1659.32	65.74	1658.92	3.58	437730.86	762395.69	
11318.00	91.96	1.73	9721.90	1753.18	68.76	1752.76	1.29	437824.72	762398.71	
11413.00	90.56	0.25	9719.81	1848.14	70.41	1847.70	2.14	437919.68	762400.36	
11508.00	91.12	359.74	9718.41	1943.13	70.40	1942.69	0.80	438014.67	762400.35	
11603.00	89.93	359.15	9717.54	2038.12	69.48	2037.68	1.40	438109.66	762399.43	
11698.00	90.42	358.24	9717.25	2133.09	67.31	2132.67	1.09	438204.63	762397.26	
11793.00	89.23	357.57	9717.54	2228.02	63.84	2227.62	1.44	438299.56	762393.79	
11888.00	89.37	357.77	9718.70	2322.94	59.98	2322.55	0.26	438394.48	762389.93	
11982.00	88.81	359.08	9720.20	2416.89	57.40	2416.52	1.52	438488.43	762387.35	
12077.00	90.63	359.50	9720.66	2511.88	56.22	2511.51	1.97	438583.42	762386.17	
12172.00	91.47	0.02	9718.92	2606.86	55.82	2606.49	1.04	438678.40	762385.77	
12267.00	90.42	358.60	9717.35	2701.83	54.68	2701.48	1.86	438773.37	762384.63	
12361.00	90.84	359.13	9716.32	2795.81	52.81	2795.46	0.72	438867.35	762382.76	
12456.00	89.44	359.60	9716.09	2890.80	51.76	2890.46	1.55	438962.34	762381.71	
12551.00	90.14	359.88	9716.44	2985.80	51.33	2985.45	0.79	439057.34	762381.28	
12646.00	91.61	0.84	9714.99	3080.78	51.93	3080.43	1.85	439152.32	762381.88	
12741.00	89.72	359.53	9713.88	3175.77	52.23	3175.42	2.42	439247.31	762382.18	
12836.00	89.65	359.49	9714.40	3270.76	51.42	3270.41	0.08	439342.30	762381.37	
12931.00	89.79	359.59	9714.87	3365.76	50.66	3365.41	0.18	439437.30	762380.61	
13025.00	91.19	359.53	9714.07	3459.75	49.94	3459.41	1.49	439531.29	762379.89	
13120.00	91.12	358.90	9712.15	3554.72	48.64	3554.38	0.67	439626.26	762378.59	

5D Survey Report

Survey Points (Relative to Slot centre, TVD relative to Kelly Bushing.)										
MD (US ft)	Incl (°)	AZ (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	VS (US ft)	DLS (%/100 US ft)	Northing (US ft)	Easting (US ft)	Comment
13215.00	91.75	0.05	9709.77	3649.69	47.77	3649.35	1.38	439721.23	762377.72	
13310.00	92.38	0.04	9706.35	3744.62	47.84	3744.29	0.66	439816.16	762377.79	
13405.00	91.33	0.13	9703.27	3839.57	47.98	3839.23	1.11	439911.11	762377.93	
13499.00	91.19	359.20	9701.21	3933.55	47.43	3933.21	1.00	440005.09	762377.38	
13594.00	88.25	358.85	9701.67	4028.52	45.81	4028.19	3.12	440100.06	762375.76	
13689.00	89.79	359.59	9703.29	4123.50	44.52	4123.17	1.80	440195.04	762374.47	
13784.00	90.77	0.83	9702.83	4218.49	44.87	4218.16	1.66	440290.03	762374.82	
13879.00	87.62	359.22	9704.17	4313.47	44.91	4313.14	3.72	440385.01	762374.86	
13973.00	86.01	358.54	9709.39	4407.30	43.08	4406.98	1.86	440478.84	762373.03	
14068.00	87.55	359.14	9714.72	4502.13	41.16	4501.82	1.74	440573.67	762371.11	
14136.00	89.86	359.97	9716.26	4570.10	40.63	4569.79	3.61	440641.64	762370.58	Last Wft Svy
14187.31	89.86	359.97	9716.39	4621.41	40.60	4621.10	0.00	440692.95	762370.55	Cross Prod. Box
14206.00	89.86	359.97	9716.43	4640.10	40.59	4639.79	0.00	440711.64	762370.54	Proj. To Bit



Bell Lake 19 State 6H
Lea Co, NM



Weatherford

Plan Data for Bell Lake 19 State 6H

Plan Point Information:										
DogLeg Severity Unit: °/100.00ft										
Position offsets from Slot centre										
MD	Inc	Az	TVD	+N/-S	+E/-W	Northing	Easting	VSec	DLS	
(USft)	(°)	(°)	(USft)	(USft)	(USft)	(USft)	(USft)	(USft)	(DLSU)	
9904.00	72.74	358.13	9703.60	343.39	74.44	436414.93	762404.39	342.96	9.67	
9965.00	77.36	359.13	9719.33	402.29	73.04	436473.83	762402.99	401.87	7.74	
10214.45	90.80	359.61	9745.00	649.83	70.33	436721.37	762400.28	649.41	5.39	
14186.67	90.80	359.61	9689.41	4621.57	43.51	440693.11	762373.46	4621.24	0.00	

Plan Data for Bell Lake 19 State 6H

Target Set Information:						
Name: Bell Lake 19 State 6H						
Position offsets from Slot centre						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape Comment
(USft)	(USft)	(USft)	(USft)	(USft)	(USft)	
PBHL 6H	9689.41	4621.57	43.51	440693.11	762373.46	Cuboid

Plan Data for Bell Lake 19 State 6H

Slot: Bell Lake 19 State 6H			
Position:			
Offset is from Site centre			
+N/-S:	0.00USft	Northing:	436071.54USft
+E/-W:	0.00USft	Easting:	762329.95USft
		Longitude:	-103°37'8.1"
		Elevation Above VRD:	3542.00USft

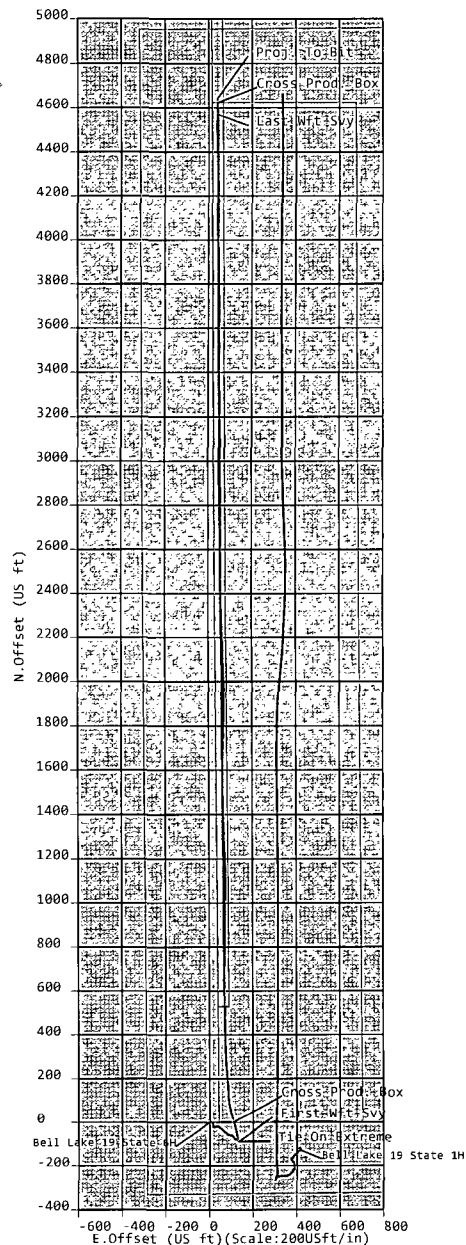
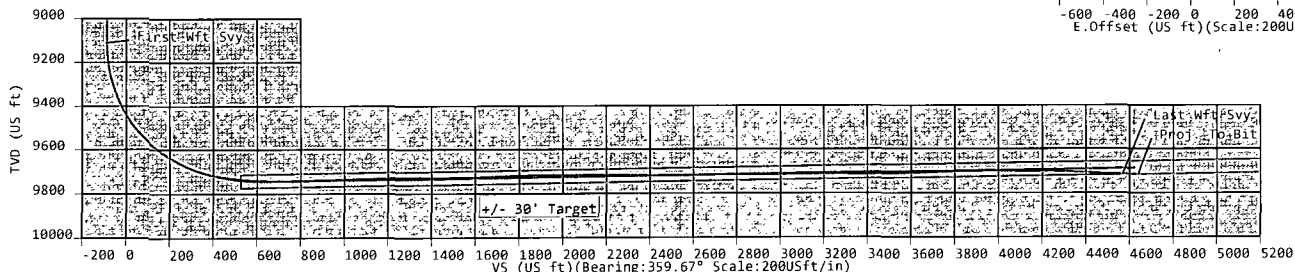
Plan Data for Bell Lake 19 State 6H

Well: Bell Lake 19 State 6H	
Type: Main-Well	
File Number:	
Plan Folder: P3	Plan: P3:V2
Vertical Section: Position offset of origin from Slot centre:	
+N/-S:	0.00USft
+E/-W:	0.00USft
Azimuth: 359.67°	
+E/-W: 0.00USft	
Magnetic Parameters:	
Model:	Field Strength: Declination: Dip: Date:
BGGM	48216(nT) 7.28° 68.11° 2015-07-15

Bell Lake 19 State 6H	_____
Bell Lake 19 State 1H Pilot	_____
Bell Lake 19 State 1H Lateral	_____
Bell Lake 19 State 6H	_____



KB-3567
GL-3542



Sign Off: Russell Joyner