

Results of Directional Survey

API number:	30-025-41675		
OGRID:		Operator:	GMT EXPLORATION COMPANY LLC
		Property:	MERCHANT LIVESTOCK 19 STATE # 2H

surface	ULSTR:	N	19	T	22S	R	35E
				33	FSL	2260	FWL

BH Loc	ULSTR:	C	19	T	22S	R	35E
15103	MD	10457.3	TVD	434	FNL	2256	FWL
4846 FSL							

Top Perf/OH	ULSTR:	N	19	T	22S	R	35E
11247	MD	10492.7	TVD	131	FNL	3232	FWL

Bot Perf/OH	ULSTR:	C	19	T	22S	R	35E
14882	MD	10467.6	TVD	655	FSL	2239	FWL
4625 FNL							

	MD	N/S	E/W	VD
	11186	-171.30	911.70	10491.67
TOP PERFS/OH	11247	-164.42	972.24	10492.65
	11281	-160.58	1005.98	10493.19
	14874	4584.47	-21.57	10467.90
BOT PERFS/OH	14882	4592.44	-20.93	10467.56
	14968	4678.09	-14.09	10463.90

NEXT TO LAST	15060	4769.71	-6.98	10459.49
LAST READING	15103	4812.54	-3.83	10457.32
TD	15103	4812.54	-3.83	10457.32

Surface Location	33	FS	2260	FW
Projected BHL	4846	FS	2256	FW
Location of				
Top Perfs/OH	131	FN	3232	FW
Bottom Perfs/OH	4625	FS	2239	FW

SUMMARY of Subsurface Locations

Surface Location	N-19-22S-35E	33	FS	2260	FW	Vert. Depth
Top Perfs/OH	N-19-22S-35E	131	FN	3232	FW	10492.65
Bottom Perfs/OH	C-19-22S-35E	4625	FS	2239	FW	10467.56
Projected TD	C-19-22S-35E	4846	FS	2256	FW	10457.32

SEP 05 2014

HOBBS OGD

AUG 28 2014

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Weatherford

Evaluation, Drilling & Intervention

10000 West County Rd. 116

P.O. Box 61028

Midland, TX USA 79711

Tel. (432) 561-8892 Fax (432) 561-8895

GMT Exploration Co, LLC
125 W. Missouri Ave, Ste. 450
Midland, TX 79701

Date: June 25, 2014

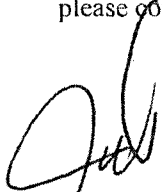
Attention: Sarah Heger

Re: GMT Exploration Co, LLC
Well: Merchant Livestock 19 State 2H
Lea County, New Mexico

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:

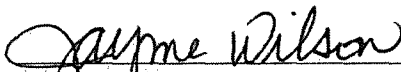
Name & Title Of Surveyor	Well Number	Surveyed Depths	Dates Performed	Type of Survey
Justin Nguyen	2H	9988 MD	4/29/2014	Measurement
MWD Supervisor		15060 MD	6/04/2014	While Drilling

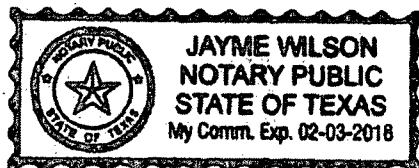
A notarized plan vs. actual is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.


Jesse Aguilar
MWD Ops Coordinator

On this, the 25th day of June, 2014, 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



Merchant Livestock
19 State #2H
Lea Co., New Mexico

Plan Data for Merchant Livestock 19 State #2H Lateral

Site: Merchant Livestock 19 State #2H
Unit: USFest TVD Reference:
Company Name: GMT Exploration Co., LLC
Position: Northing: 499585.20USft Latitude: 32°22'12.1"
Easting: 827084.90USft Longitude: -103°24'28.1"
North Reference: Grid Grid Convergence: 0.50°
Elevation Above VRD: 3551.00USft

Plan Data for Merchant Livestock 19 State #2H Lateral

Plan Point Information:
Dogleg Severity Unit: */100.00ft Position offsets from Slot centre

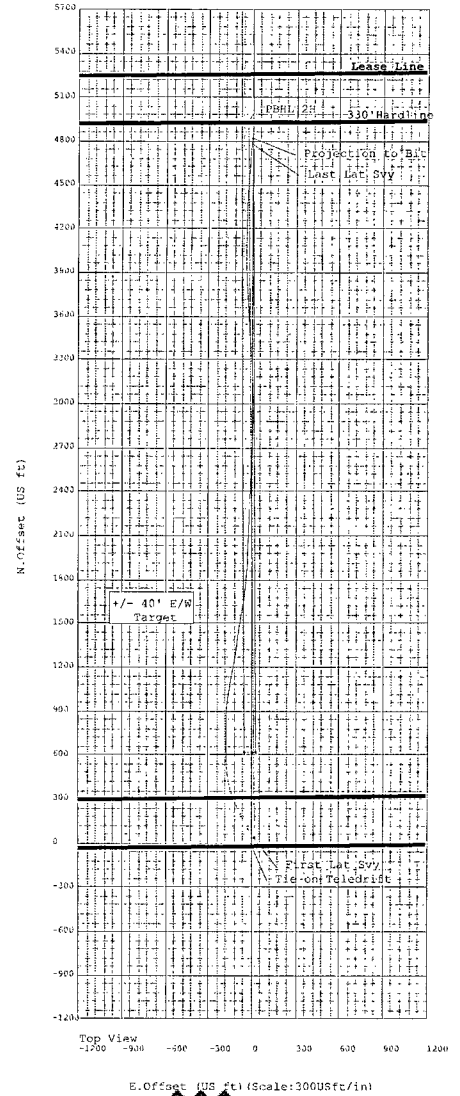
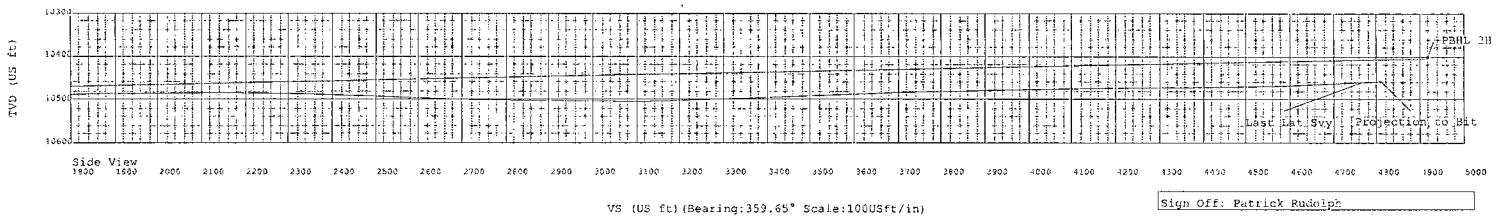
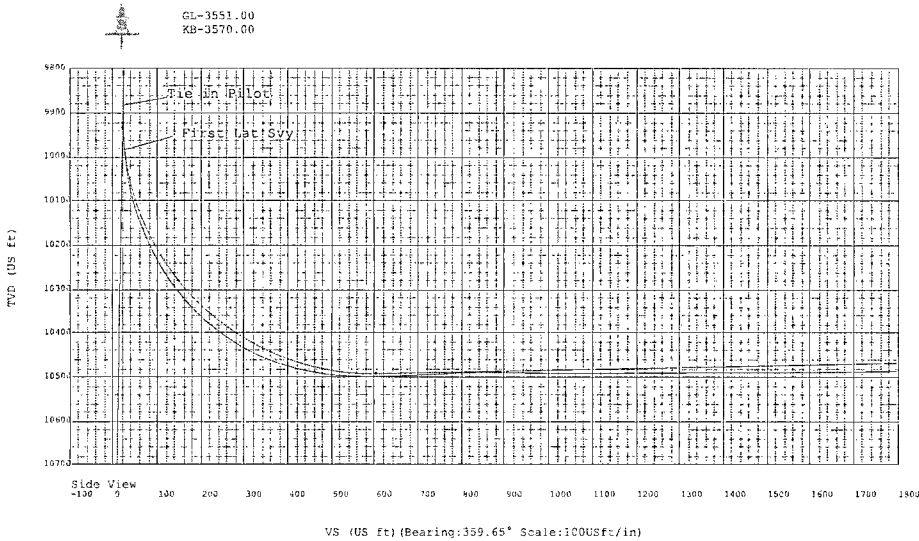
MD	Inc	Az	TVD	+N/-S	+E/-W	Northing	Easting	VSec	DLB
(USft)	(°)	(°)	(USft)	(USft)	(USft)	(USft)	(USft)	(USft)	(DLSD)
9927.19	1.28	204.85	9926.21	20.12	21.88	499605.32	827106.78	19.99	0.00
9935.09	1.80	358.40	9934.11	20.16	21.84	499605.36	827106.74	20.03	37.97
9940.09	1.80	358.42	9939.11	20.32	21.83	499605.52	827106.73	20.19	0.01
10833.96	91.18	359.40	10494.00	604.78	15.38	500189.98	827100.28	604.68	10.00
15147.99	91.18	359.40	10405.00	4917.66	-29.98	504502.86	827054.92	4917.75	0.00

Plan Data for Merchant Livestock 19 State #2H Lateral

Target Set Information:
Name: Merchant Livestock 19 State #2H Target
Position offsets from Slot centre

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape	Comment
(USft)	(USft)	(USft)	(USft)	(USft)	(USft)		
PBHL 10405.00	4917.66	-29.98	504502.86	827054.92		Cuboid	
1p Tut 10494.00	604.78	15.38	500189.98	827100.28		Cuboid	

Merchant Livestock 19 State #2H Lateral
Merchant Livestock 19 State #2H Pilot
Merchant Livestock 19 State #2H Lateral



Weatherford

Merchant Livestock 19 State #2H Lateral

Field Name	Map Units : US ft		Company Name : GMT Exploration Co., LLC	
GMT Exploration Lea Co., New Mexico (NAD 83, NME)	Vertical Reference Datum (VRD) : Mean Sea Level			
	Projected Coordinate System : NAD83 / New Mexico East (ftUS)			
	Comment :			
Site Name Merchant Livestock 19 State #2H	Units : US ft	North Reference : Grid	Convergence Angle : 0.50	
	Position	Northing : 499585.20 US ft	Latitude : 32° 22' 12.12"	
		Easting : 827084.90 US ft	Longitude : -103° 24' 28.13"	
	Elevation above Mean Sea Level: 3551.00 US ft			
Comment :				
Slot Name Merchant Livestock 19 State #2H	Position (Offsets relative to Site Centre)			
	+N / -S : 0.00 US ft	Northing : 499585.20 US ft	Latitude : 32° 22' 12.12"	
	+E / -W : 0.00 US ft	Easting : 827084.90 US ft	Longitude : -103° 24' 28.13"	
	Slot TVD Reference : Ground Elevation			
	Elevation above Mean Sea Level : 3551.00 US ft			
Comment :				
Well Name Merchant Livestock 19 State #2H Lateral	Type : Sidetrack	UWI :		
	Parent : Merchant Livestock 19 State #2H Pilot	Tie Point Method : MD	Tie Point : 9927.19 US ft	
	Rig Height Drill Floor : 19.00 US ft	Comment :		
	Relative to Mean Sea Level: 3570.00 US ft			
	Closure Distance : 4812.54 US ft	Closure Azimuth : 359.954°		
	Vertical Section (Position of Origin Relative to Slot)			
	+N / -S : 0.00 US ft	+E / -W : 0.00 US ft	Az : 359.65°	

Target Set

Name : Merchant Livestock 19 State #2H Target
Number of Targets : 2

Comment :

Target Name:	Position (Relative to Slot centre)			
PBHL	+N / -S : 4917.66US ft	Northing : 504502.86 US ft	Latitude : 32° 23' 0.78"	
	+E / -W : -29.98 US ft	Easting : 827054.92US ft	Longitude : -103° 24' 27.98"	
	TVD (Drill Floor) : 10405.00 US ft			
Shape:				
Cuboid	Orientation	Azimuth : 359.65°	Inclination : 1.18°	
	Dimensions	Length : 8628.00 US ft	Breadth : 80.00 US ft	Height : 20.00 US ft

5D Survey Report

Target Name:	Position (Relative to Slot centre)		
Lp Tgt	+N / -S : 604.78US ft	Northing : 500189.98 US ft	Latitude : 32°22'18.10"
Shape:	+E / -W : 15.38 US ft	Easting : 827100.28US ft	Longitude : -103°24'27.89"
Cuboid	TVD (Drill Floor) : 10494.00 US ft		
	Orientation Azimuth : 359.65°	Inclination : 1.18°	
	Dimensions Length : 3600.00 US ft	Breadth : 80.00 US ft	Height : 20.00 US ft

Survey Name : Lateral Svy**Date** : 23/May/2014**Survey Tool** : MWD**Comment** :**Company** : Wft**Magnetic Model****Model Name**: BGGM**Date**: 20/May/2014**Field Strength**:**Declination**: 7.27°**Dip**: 60.26°

48434.6 nT

Tie Point**MD**: 9888**Inclination**: 1.33 **Azimuth**: 206.86**TVD**: 9887.03**North Offset**: 20.9392**East Offset**: 22.2622**Well path created using minimum curvature**

Survey Points (Relative to Slot centre, TVD relative to Drill Floor)											
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	
9988.00	5.64	326.37	9986.88	24.00	19.01	23.88	0.00	499609.20	827103.91	First Lat Svy	
10020.00	8.83	321.85	10018.62	27.24	16.62	27.14	10.12	499612.44	827101.52		
10051.00	12.52	324.28	10049.08	31.84	13.19	31.76	11.99	499617.04	827098.09		
10083.00	16.15	323.95	10080.08	38.26	8.55	38.20	11.35	499623.46	827093.45		
10115.00	18.86	328.47	10110.60	46.27	3.22	46.25	9.47	499631.47	827088.12		
10147.00	22.18	330.30	10140.56	55.92	-2.48	55.94	10.57	499641.12	827082.42		
10178.00	25.70	328.70	10168.89	66.75	-8.87	66.81	11.55	499651.95	827076.03		
10210.00	28.81	327.31	10197.34	79.17	-16.64	79.27	9.92	499664.37	827068.26		
10241.00	31.72	328.48	10224.11	92.41	-24.94	92.56	9.58	499677.61	827059.96		
10273.00	34.60	331.59	10250.90	107.58	-33.66	107.78	10.45	499692.78	827051.24		
10305.00	37.74	333.63	10276.73	124.35	-42.34	124.60	10.51	499709.55	827042.56		
10336.00	41.00	334.04	10300.69	142.00	-51.00	142.30	10.55	499727.20	827033.90		
10368.00	44.17	332.49	10324.25	161.33	-60.75	161.70	10.43	499746.53	827024.15		
10400.00	47.45	332.17	10346.55	181.64	-71.41	182.08	10.28	499766.84	827013.49		
10432.00	50.74	332.71	10367.50	203.08	-82.59	203.58	10.36	499788.28	827002.31		
10463.00	53.41	334.33	10386.55	224.97	-93.49	225.54	9.55	499810.17	826991.41		
10495.00	56.10	336.42	10405.02	248.73	-104.37	249.36	9.96	499833.93	826980.53		
10526.00	58.80	337.74	10421.70	272.79	-114.54	273.49	9.42	499857.99	826970.36		
10558.00	62.65	338.64	10437.34	298.71	-124.91	299.46	12.28	499883.91	826959.99		
10590.00	67.13	339.95	10450.92	325.80	-135.14	326.62	14.48	499911.00	826949.76		
10622.00	70.79	343.04	10462.41	354.12	-144.61	355.00	14.56	499939.32	826940.29		
10653.00	73.32	346.86	10471.96	382.59	-152.26	383.52	14.28	499967.79	826932.64		
10685.00	75.42	349.28	10480.58	412.74	-158.62	413.70	9.80	499997.94	826926.28		
10716.00	78.18	351.15	10487.66	442.48	-163.75	443.47	10.67	500027.68	826921.15		
10748.00	81.43	352.78	10493.33	473.66	-168.15	474.68	11.33	500058.86	826916.75		
10780.00	84.68	353.96	10497.19	505.21	-171.81	506.25	10.80	500090.41	826913.09		
10811.00	87.83	355.86	10499.22	536.01	-174.56	537.07	11.86	500121.21	826910.34		
10843.00	89.37	358.98	10500.00	567.97	-176.00	569.03	10.87	500153.17	826908.90		
10875.00	89.79	359.69	10500.24	599.96	-176.37	601.03	2.58	500185.16	826908.53		
10906.00	91.26	0.01	10499.95	630.96	-176.45	632.03	4.85	500216.16	826908.45		
10934.00	92.47	0.03	10499.04	658.95	-176.44	660.01	4.32	500244.15	826908.46		
10997.00	93.03	0.24	10496.02	721.87	-176.29	722.94	0.95	500307.07	826908.61		
11092.00	91.85	0.97	10491.97	816.78	-175.29	817.84	1.46	500401.98	826909.61		
11186.00	88.52	3.90	10491.67	910.67	-171.30	911.70	4.72	500495.87	826913.60		
11281.00	89.65	9.06	10493.19	1005.02	-160.58	1005.98	5.56	500590.22	826924.32		
11376.00	90.43	10.55	10493.12	1098.63	-144.40	1099.49	1.77	500683.83	826940.50		
11471.00	89.81	9.90	10492.92	1192.12	-127.54	1192.87	0.95	500777.32	826957.36		

5D Survey Report

Survey Points (Relative to Slot centre, TVD relative to Drill Floor)										
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
11566.00	90.55	9.34	10492.62	1285.78	-111.66	1286.44	0.98	500870.98	826973.24	
11659.00	90.35	7.65	10491.89	1377.75	-97.93	1378.33	1.83	500962.95	826986.97	
11753.00	89.74	7.83	10491.82	1470.90	-85.27	1471.39	0.68	501056.10	826999.63	
11848.00	90.43	10.48	10491.68	1564.68	-70.15	1565.08	2.88	501149.88	827014.75	
11943.00	90.97	8.36	10490.52	1658.38	-54.61	1658.69	2.30	501243.58	827030.29	
12038.00	90.68	6.20	10489.15	1752.60	-42.57	1752.83	2.29	501337.80	827042.33	
12133.00	91.67	4.73	10487.20	1847.15	-33.52	1847.32	1.87	501432.35	827051.38	
12227.00	90.00	1.80	10485.83	1940.97	-28.17	1941.11	3.59	501526.17	827056.73	
12321.00	90.49	1.71	10485.43	2034.93	-25.29	2035.04	0.53	501620.13	827059.61	
12418.00	90.43	3.40	10484.65	2131.82	-20.97	2131.91	1.74	501717.02	827063.93	
12513.00	88.95	2.92	10485.16	2226.67	-15.73	2226.73	1.64	501811.87	827069.17	
12607.00	88.52	2.24	10487.24	2320.56	-11.50	2320.58	0.86	501905.76	827073.40	
12701.00	88.15	2.05	10489.97	2414.45	-7.99	2414.45	0.44	501999.65	827076.91	
12795.00	88.40	2.32	10492.80	2508.34	-4.40	2508.32	0.39	502093.54	827080.50	
12888.00	87.47	1.80	10496.15	2601.22	-1.06	2601.17	1.15	502186.42	827083.84	
12982.00	88.50	3.07	10499.46	2695.07	2.93	2695.00	1.74	502280.27	827087.83	
13076.00	89.44	2.34	10501.15	2788.95	7.36	2788.85	1.27	502374.15	827092.26	
13171.00	89.38	0.60	10502.13	2883.91	9.80	2883.80	1.83	502469.11	827094.70	
13266.00	89.51	358.42	10503.05	2978.90	8.99	2978.78	2.30	502564.10	827093.89	
13361.00	89.38	358.13	10503.97	3073.85	6.13	3073.75	0.33	502659.05	827091.03	
13455.00	91.85	357.60	10502.96	3167.77	2.63	3167.69	2.69	502752.97	827087.53	
13551.00	91.73	356.61	10499.96	3263.60	-2.22	3263.55	1.04	502848.80	827082.68	
13646.00	92.16	356.62	10496.73	3358.38	-7.82	3358.36	0.45	502943.58	827077.08	
13740.00	92.47	356.09	10492.94	3452.11	-13.79	3452.13	0.65	503037.31	827071.11	
13835.00	92.34	356.50	10488.95	3546.83	-19.93	3546.88	0.45	503132.03	827064.97	
13929.00	91.67	356.13	10485.66	3640.58	-25.97	3640.67	0.81	503225.78	827058.93	
14024.00	91.54	355.83	10483.00	3735.31	-32.62	3735.43	0.34	503320.51	827052.28	
14118.00	91.54	357.52	10480.47	3829.11	-38.07	3829.27	1.80	503414.31	827046.83	
14212.00	91.67	359.72	10477.84	3923.04	-40.34	3923.21	2.34	503508.24	827044.56	
14306.00	90.53	0.07	10476.04	4017.02	-40.51	4017.19	1.27	503602.22	827044.39	
14401.00	90.99	0.78	10474.78	4112.01	-39.80	4112.18	0.89	503697.21	827045.10	
14496.00	90.68	0.80	10473.39	4206.99	-38.49	4207.15	0.33	503792.19	827046.41	
14591.00	90.68	1.45	10472.26	4301.96	-36.63	4302.11	0.68	503887.16	827048.27	
14685.00	90.43	2.26	10471.35	4395.91	-33.59	4396.03	0.90	503981.11	827051.31	
14780.00	90.74	3.93	10470.38	4490.76	-28.46	4490.85	1.79	504075.96	827056.44	
14874.00	92.29	4.48	10467.90	4584.47	-21.57	4584.52	1.75	504169.67	827063.33	
14968.00	92.59	4.66	10463.90	4678.09	-14.09	4678.09	0.37	504263.29	827070.81	
15060.00	92.90	4.21	10459.49	4769.71	-6.98	4769.66	0.59	504354.91	827077.92	Last Lat Svy
15103.00	92.90	4.21	10457.32	4812.54	-3.83	4812.47	0.00	504397.74	827081.07	Projection to Bit