

**McVAY DRILLING COMPANY**

P.O. Box 2450
Hobbs, New Mexico 88241
(575) 397-3311
FAX: 39-DRILL

30-025-40518

HOBBS OCD**JUN 17 2015**

Well Name and Num: Tangerine BRT State #1H
Location: Sec 27, T20S, R35E
Operator: Yates
Drilling Contractor: McVay Drilling Company

RECEIVED

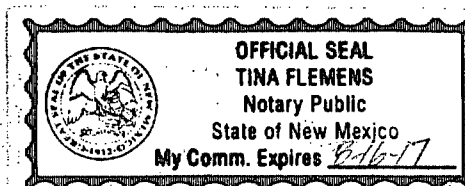
The undersigned certifies that he is an authorized representative of the drilling contractor who drilled the above described well and that he has conducted deviation tests and obtained the following results:

<u>Degrees @</u>	<u>Depth</u>	<u>Degrees @</u>	<u>Depth</u>	<u>Degrees @</u>	<u>Depth</u>
0.69	210	0.80	6960	89.50	11955
1.43	790	0.30	7529	90.10	12238
1.50	1358	0.90	7908	89.30	12714
0.90	1644	1.50	8288	88.80	13093
0.40	1930	1.40	8383	89.23	13281
0.30	2121	1.30	8667	89.20	13369
0.20	2500	1.10	8952	89.40	13658
0.20	2689	0.70	9142	88.80	13842
0.40	3069	0.30	9427	89.20	14222
0.60	3543	0.40	9712	89.00	14886
0.50	4017	0.50	9940	88.70	15098
0.20	4397	10.40	10088		
0.90	4890	45.22	10372		
0.74	5280	72.70	10594		
0.40	5629	83.60	10720		
0.20	6199	85.30	10906		
0.20	6389	89.90	11480		

By: Mico A. Benner

Subscribed and sworn to before me this 20th day of March, 2015

Tina Flemens
Notary Public, Lea County, New Mexico

**JUL 01 2015**



Job Number: SVMO-150172
 Company: Yates Petroleum Corporation
 Lease/Well: Tangerine.BRT ST 1H
 Location: Lea County, NM
 Rig Name: McVay #4
 RKB: 19.5'
 G.L. or M.S.L.: GL

State/Country: New Mexico/USA
 Declination: 7.10°
 Grid: East To Grid North
 File name: S:\2015SU-1\YATESP-1\MOITANGER-1\1H.SVY
 Date/Time: 02-Mar-15/ 11:35
 Curve Name: Surface - 5300' M.D. (Rate Gyro)

HOBBS OGD

JUN 17 2015

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8/504520.30

MS SURVEY

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane 179.54
 Vertical Section Referenced to Wellhead
 Rectangular Coordinates Referenced to Wellhead

We hereby certify that our survey data from
 Surface MD to 5300 MD is, to the best of
 our knowledge a true and accurate account of
 the well bore.
Daniel West 3/2/15
 MS Energy Services Date

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
200.00	.57	30.31	200.00	.86	.50	-.85	.99	30.31	.28
400.00	.08	281.56	399.99	1.75	.87	-1.74	1.95	26.42	.30
600.00	.33	199.44	599.99	1.23	.54	-1.23	1.34	23.65	.16
800.00	.38	220.63	799.99	.18	-.08	-.18	.20	335.29	.07
1000.00	.35	180.21	999.98	-.93	-.52	.93	1.07	209.15	.13
1200.00	.41	201.95	1199.98	-2.20	-.79	2.20	2.34	199.68	.08
1400.00	.40	221.04	1399.98	-3.39	-1.51	3.38	3.72	204.04	.07
1600.00	.14	131.34	1599.97	-4.08	-1.79	4.07	4.46	203.67	.21
1800.00	.22	132.96	1799.97	-4.51	-1.32	4.50	4.70	196.38	.04

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
2000.00	.39	162.72	1999.97	-5.42	-.84	5.41	5.48	188.83	.11
2200.00	.12	171.65	2199.97	-6.27	-.61	6.27	6.30	185.54	.14
2400.00	.24	139.88	2399.97	-6.80	-.31	6.80	6.81	182.60	.08
2600.00	.17	39.22	2599.97	-6.89	.15	6.89	6.89	178.76	.16
2800.00	.09	328.97	2799.97	-6.53	.26	6.53	6.53	177.76	.08
3000.00	.05	70.52	2999.97	-6.36	.26	6.37	6.37	177.69	.06
3200.00	.46	64.49	3199.96	-5.99	1.06	6.00	6.08	169.93	.21
3400.00	.28	39.31	3399.96	-5.27	2.10	5.28	5.67	158.28	.12
3600.00	.47	50.60	3599.95	-4.37	3.04	4.39	5.32	145.15	.10
3800.00	.24	27.50	3799.95	-3.47	3.87	3.51	5.20	131.93	.13
4000.00	.40	40.43	3999.95	-2.57	4.51	2.61	5.20	119.67	.09
4200.00	.32	238.55	4199.95	-2.33	4.49	2.37	5.06	117.44	.36
4400.00	.05	233.12	4399.94	-2.68	3.94	2.71	4.77	124.15	.14
4600.00	.37	241.83	4599.94	-3.03	3.31	3.06	4.49	132.54	.16
4800.00	.14	232.85	4799.94	-3.49	2.54	3.51	4.31	143.90	.12
5000.00	.55	269.48	4999.94	-3.64	1.39	3.65	3.90	159.15	.22
5200.00	.45	234.00	5199.93	-4.11	-.21	4.11	4.12	182.90	.16
Last Survey Depth Recorded									
5300.00	.11	304.90	5299.93	-4.29	-.60	4.28	4.33	188.03	.43