

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APR 12 2011

FORM APPROVED
OMB NO. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other		5. Lease Serial No. NM-105886
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr., Other: _____		6. If Indian, Allottee or Tribe Name NA
2. Name of Operator Yates Petroleum Corporation		7. Unit or CA Agreement Name and No.
3. Address 105 S. 4th Str., Artesia, NM 88210	3a. Phone No. (include area code) 575-748-1471	8. Lease Name and Well No. Gemini BOQ Com #1H
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At Surface 330'FSL & 330'FEL (Unit P, SESE)		9. API Well No. 30-005-27972
At top prod. Interval reported below BHL 354'FSL & 4932'FEL (Unit M, SWSW)		10. Field and Pool or Exploratory WILDCAT, ABO-WC (97714)
		11. Sec., T., R., M., on Block and Survey or Area Section 12-T15S-R31E
		12. County or Parish 13. State Chaves New Mexico

14. Date Spudded RH 11/28/10 RT 12/1/10	15. Date T.D. Reached 1/4/11	16. Date Completed ☐ D & A ☒ Ready to Prod. 3/18/11	17. Elevations (DF, RKB, RT, GL)* 4355'GL 4373'KB
18. Total Depth: MD 13,330' TVD 9150'	19. Plug Back T.D.: MD 13,330' TVD NA	20. Depth Bridge Plug Set: MD NA TVD NA	

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CNL, Hi-Res Laterolog Array, Borehole Compensated Sonic	22. Was Well cored? ☒ No ☐ Yes (Submit analysis) Was DST run? ☒ No ☐ Yes (Submit report) Directional Survey? ☐ No ☒ Yes (Submit copy) (ATTACHED)
---	---

23. Casing and Liner Record (Report all strings set in well)									
Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	State Cementer Depth	No. of Sks & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
26"	20"	Cond.	0	40'		5yds redi-mix		0	
17-1/2"	13-3/8"	48#	0	403'		450sx Halcem		0	
12-1/4"	9-5/8"	36# 40#	0	4105'		1275sx "H" 200sx "C"		0	
8-3/4"	7"	26#	0	8347'		410sx "H"		2000'calc	
6-1/8"	4-1/2"	11.6#	8193'	13,295'		Liner			

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	
2-7/8"	8170'								
25. Producing Intervals						26. Perforation Record			
Formation		Top	Bottom			Perforated Interval	Size	No. Holes	Perf. Status
A) Wolfcamp		9223'	13,250' (Ports)						
B)									
C)									

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.	
Depth Interval 9223'-13,250'	Amount and Type of Material Frac w/30# x-linked gel, 1,064,130# 20/40 Jordan-Unimin, 48,813g 7-1/2% HCL acid

28. Production - Interval A									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
3/19/11	4/7/11	24	→	129	77	334	NA	NA	Pumping
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
NA	NA	NA	→	129	77	334	NA	Producing	

28a. Production-Interval B									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

*(See instructions and spaces for additional data on page 2)

APR 19 2011

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Flaring

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

Formation	Top	Bottom	Description, Contents, etc.	Name	Top
					Meas. Depth
Yates	2358'	3106'		Yates	2358'
Queen	3107'	3955'		Queen	3107'
San Andres	3956'	6943'		San Andres	3956'
Tubb	6944'	7643'		Tubb	6944'
Abo	7644'	8960'		Abo	7644'
Wolfcamp	8961'	13,330'		Wolfcamp	8961'
REFER TO LOGS					

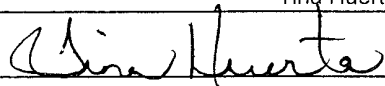
32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☒ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☒ Directional Survey
- ☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☒ Other: Deviation Survey

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Tina Huerta Title Regulatory Compliance Supervisor

Signature  Date April 11, 2011

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

RECEIVED

APR 12 2011



Actual Wellpath Report

No 1H AWP

Page 1 of 5



REFERENCE WELLPATH IDENTIFICATION

Operator	Yates Petroleum Corporation	Slot	No.1H SHL
Area	Chaves County, NM	Well	No.1H
Field	(Gemini) Wildcat Abo Wolfcamp	Wellbore	No 1H AWB
Facility	Gemini Federal No.1H		

REPORT SETUP INFORMATION

Projection System	NAD83 / TM New Mexico State Planes, Eastern Zone (3001), US feet	Software System	WellArchitect@ 2.0
North Reference	Grid	User	Gomeoscr
Scale	0.999944	Report Generated	1/5/2011 at 7:51:45 AM
Convergence at slot	0.31° East	Database/Source file	WA Midland/No_1H_AWB.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[USft]	Northing[USft]	Latitude	Longitude
Slot Location	0.00	0.00	714748.20	736815.40	33°01'27.196"N	103°46'03.168"W
Facility Reference Pt			714748.20	736815.40	33°01'27.196"N	103°46'03.168"W
Field Reference Pt			714748.20	736815.40	33°01'27.196"N	103°46'03.168"W

WELLPATH DATUM

Calculation method	Minimum curvature	Rig on No.1H SHL (RT) to Facility Vertical Datum	0.00ft
Horizontal Reference Pt	Slot	Rig on No.1H SHL (RT) to Mean Sea Level	4355.00ft
Vertical Reference Pt	Rig on No.1H SHL (RT)	Facility Vertical Datum to Mud Line (Facility)	0.00ft
MD Reference Pt	Rig on No.1H SHL (RT)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	269.38°



Actual Wellpath Report

No 1H AWP

Page 2 of 5



INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	Yates Petroleum Corporation	Slot	No.1H SHL
Area	Chaves County, NM	Well	No.1H
Field	(Gemini) Wildcat Abo Wolfcamp	Wellbore	No 1H AWB
Facility	Gemini Federal No.1H		

WELLPATH DATA (139 stations)												
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	DLS [°/100ft]	Comments
0.00	0.000	292.280	0.00	0.00	0.00	0.00	714748.20	736815.40	33°01'27.196"N	103°46'03.168"W	0.00	
200.00	0.160	292.280	200.00	0.26	0.11	-0.26	714747.94	736815.51	33°01'27.197"N	103°46'03.171"W	0.08	
400.00	0.090	23.710	400.00	0.45	0.36	-0.45	714747.75	736815.76	33°01'27.200"N	103°46'03.173"W	0.09	
600.00	0.180	265.940	600.00	0.70	0.48	-0.70	714747.50	736815.88	33°01'27.201"N	103°46'03.176"W	0.12	
800.00	0.270	265.960	800.00	1.48	0.42	-1.49	714746.71	736815.82	33°01'27.200"N	103°46'03.185"W	0.05	
1000.00	0.310	274.060	999.99	2.49	0.43	-2.50	714745.70	736815.83	33°01'27.200"N	103°46'03.197"W	0.03	
1200.00	0.400	254.390	1199.99	3.71	0.28	-3.71	714744.49	736815.68	33°01'27.199"N	103°46'03.211"W	0.08	
1400.00	0.330	237.190	1399.99	4.87	-0.22	-4.87	714743.33	736815.18	33°01'27.194"N	103°46'03.225"W	0.06	
1600.00	0.370	210.610	1599.98	5.69	-1.09	-5.68	714742.52	736814.31	33°01'27.186"N	103°46'03.234"W	0.08	
1800.00	0.320	198.120	1799.98	6.20	-2.18	-6.18	714742.02	736813.22	33°01'27.175"N	103°46'03.240"W	0.05	
2000.00	0.120	219.610	1999.98	6.52	-2.87	-6.49	714741.71	736812.53	33°01'27.168"N	103°46'03.244"W	0.11	
2200.00	0.680	58.270	2199.97	5.64	-2.41	-5.61	714742.59	736812.99	33°01'27.173"N	103°46'03.234"W	0.40	
2400.00	0.820	43.350	2399.96	3.63	-0.74	-3.62	714744.58	736814.66	33°01'27.189"N	103°46'03.210"W	0.12	
2600.00	0.730	26.640	2599.94	2.05	1.44	-2.07	714746.13	736816.84	33°01'27.210"N	103°46'03.192"W	0.12	
2800.00	1.010	36.750	2799.92	0.40	3.99	0.44	714747.76	736819.39	33°01'27.236"N	103°46'03.173"W	0.16	
3000.00	1.110	44.600	2999.88	-2.05	6.78	1.97	714750.17	736822.18	33°01'27.263"N	103°46'03.144"W	0.09	
3200.00	1.050	60.770	3199.85	-5.03	9.05	4.93	714753.13	736824.45	33°01'27.285"N	103°46'03.109"W	0.15	
3400.00	0.870	68.900	3399.82	-8.06	10.50	7.95	714756.15	736825.90	33°01'27.300"N	103°46'03.074"W	0.11	
3600.00	0.730	78.040	3599.80	-10.73	11.31	10.61	714758.81	736826.71	33°01'27.307"N	103°46'03.042"W	0.09	
3800.00	0.550	71.020	3799.79	-12.89	11.88	12.77	714760.97	736827.28	33°01'27.313"N	103°46'03.017"W	0.10	
4000.00	0.180	19.740	3999.78	-13.91	12.49	13.78	714761.98	736827.89	33°01'27.319"N	103°46'03.005"W	0.23	
4200.00	0.250	5.200	4199.78	-14.07	13.22	13.93	714762.12	736828.62	33°01'27.326"N	103°46'03.003"W	0.04	
4400.00	0.350	2.000	4399.78	-14.14	14.27	13.99	714762.19	736829.67	33°01'27.337"N	103°46'03.002"W	0.05	
4600.00	0.330	355.250	4599.78	-14.13	15.45	13.96	714762.16	736830.85	33°01'27.348"N	103°46'03.003"W	0.02	
4800.00	0.290	347.750	4799.77	-13.98	16.52	13.81	714762.00	736831.92	33°01'27.359"N	103°46'03.004"W	0.03	
5000.00	0.110	286.450	4999.77	-13.70	17.07	13.51	714761.71	736832.47	33°01'27.364"N	103°46'03.008"W	0.13	
5200.00	0.260	112.300	5199.77	-13.93	16.95	13.75	714761.95	736832.35	33°01'27.363"N	103°46'03.005"W	0.18	
5400.00	0.490	113.480	5399.77	-15.13	16.44	14.95	714763.15	736831.84	33°01'27.358"N	103°46'02.991"W	0.12	
5600.00	0.480	109.990	5599.76	-16.70	15.81	16.53	714764.72	736831.21	33°01'27.352"N	103°46'02.973"W	0.02	
5800.00	0.280	137.370	5799.75	-17.81	15.16	17.64	714765.84	736830.56	33°01'27.345"N	103°46'02.959"W	0.13	
6000.00	0.220	155.030	5999.75	-18.29	14.46	18.14	714766.34	736829.86	33°01'27.338"N	103°46'02.954"W	0.05	
6200.00	0.200	171.300	6199.75	-18.50	13.76	18.35	714766.55	736829.16	33°01'27.331"N	103°46'02.951"W	0.03	
6400.00	0.140	209.450	6399.75	-18.43	13.21	18.28	714766.48	736828.61	33°01'27.326"N	103°46'02.952"W	0.06	
6600.00	0.260	247.350	6599.75	-17.88	12.82	17.75	714765.94	736828.22	33°01'27.322"N	103°46'02.958"W	0.09	
6800.00	0.350	251.000	6799.75	-16.88	12.44	16.75	714764.95	736827.84	33°01'27.318"N	103°46'02.970"W	0.05	
7000.00	0.410	250.930	6999.74	-15.62	12.01	15.49	714763.69	736827.41	33°01'27.314"N	103°46'02.985"W	0.03	
7200.00	0.310	250.630	7199.74	-14.43	11.60	14.31	714762.51	736827.00	33°01'27.310"N	103°46'02.999"W	0.05	
7400.00	0.250	249.100	7399.74	-13.51	11.26	13.39	714761.59	736826.66	33°01'27.307"N	103°46'03.010"W	0.03	
7600.00	0.220	174.100	7599.73	-13.14	10.73	13.02	714761.22	736826.13	33°01'27.302"N	103°46'03.014"W	0.14	
7800.00	0.420	135.960	7799.73	-13.68	9.82	13.57	714761.77	736825.22	33°01'27.293"N	103°46'03.008"W	0.14	
8000.00	0.440	144.720	7999.73	-14.62	8.66	14.52	714762.72	736824.06	33°01'27.281"N	103°46'02.996"W	0.03	
8200.00	0.570	153.400	8199.72	-15.49	7.15	15.41	714763.61	736822.55	33°01'27.266"N	103°46'02.986"W	0.08	
8400.00	0.600	149.170	8399.71	-16.45	5.36	16.40	714764.59	736820.76	33°01'27.248"N	103°46'02.975"W	0.03	
8423.00	0.300	138.900	8422.71	-16.55	5.21	16.50	714764.70	736820.61	33°01'27.247"N	103°46'02.974"W	1.35	
8455.00	3.000	279.000	8454.69	-15.78	5.28	15.72	714763.92	736820.68	33°01'27.248"N	103°46'02.983"W	10.11	



Actual Wellpath Report

No 1H AWP

Page 3 of 5



INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	Yates Petroleum Corporation	Slot	No.1H SHL
Area	Chaves County, NM	Well	No.1H
Field	(Gemini) Wildcat Abo Wolfcamp	Wellbore	No 1H AWP
Facility	Gemini Federal No.1H		

WELLPATH DATA (139 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	DLS [°/100ft]	Comments
8487.00	7.300	277.800	8486.56	-12.94	5.68	12.88	714761.08	736821.08	33°01'27.252"N	103°46'03.016"W	13.44	
8517.00	11.800	273.700	8516.13	-8.00	6.14	7.93	714756.13	736821.54	33°01'27.256"N	103°46'03.074"W	15.16	
8549.00	15.400	271.400	8547.23	-0.48	6.46	0.41	714748.61	736821.86	33°01'27.260"N	103°46'03.162"W	11.37	
8581.00	18.700	268.000	8577.82	8.89	6.38	-8.96	714739.24	736821.78	33°01'27.260"N	103°46'03.272"W	10.77	
8612.00	22.600	268.400	8606.82	19.82	6.04	-19.89	714728.31	736821.44	33°01'27.257"N	103°46'03.401"W	12.59	
8644.00	27.500	269.100	8635.81	33.37	5.75	-33.43	714714.77	736821.15	33°01'27.255"N	103°46'03.560"W	15.34	
8676.00	32.000	270.400	8663.58	49.24	5.70	-49.30	714698.90	736821.10	33°01'27.255"N	103°46'03.746"W	14.21	
8707.00	34.700	271.400	8689.47	66.27	5.97	-66.34	714681.86	736821.37	33°01'27.259"N	103°46'03.946"W	8.89	
8739.00	37.500	271.700	8715.33	85.11	6.48	-85.19	714663.02	736821.88	33°01'27.265"N	103°46'04.168"W	8.77	
8770.00	40.700	271.200	8739.38	104.65	6.97	-104.73	714643.48	736822.37	33°01'27.271"N	103°46'04.397"W	10.37	
8801.00	43.800	270.800	8762.33	125.48	7.33	-125.57	714622.64	736822.73	33°01'27.275"N	103°46'04.642"W	10.04	
8833.00	46.900	269.900	8784.81	148.24	7.47	-148.33	714599.88	736822.87	33°01'27.278"N	103°46'04.909"W	9.89	
8864.00	50.300	269.600	8805.31	171.49	7.37	-171.58	714576.63	736822.77	33°01'27.278"N	103°46'05.182"W	10.99	
8896.00	53.100	269.900	8825.14	196.60	7.26	-196.69	714551.52	736822.66	33°01'27.278"N	103°46'05.477"W	8.78	
8927.00	56.000	270.800	8843.12	221.84	7.42	-221.94	714526.28	736822.81	33°01'27.281"N	103°46'05.774"W	9.65	
8959.00	59.400	271.400	8860.22	248.88	7.94	-248.98	714499.24	736823.34	33°01'27.288"N	103°46'06.091"W	10.74	
8989.00	63.100	271.400	8874.64	275.16	8.58	-275.27	714472.95	736823.98	33°01'27.296"N	103°46'06.400"W	12.33	
9021.00	65.700	271.100	8888.47	304.00	9.21	-304.12	714444.10	736824.61	33°01'27.303"N	103°46'06.739"W	8.17	
9053.00	69.100	270.500	8900.76	333.53	9.62	-333.65	714414.57	736825.02	33°01'27.309"N	103°46'07.086"W	10.77	
9084.00	72.800	269.200	8910.88	362.82	9.54	-362.95	714385.27	736824.94	33°01'27.310"N	103°46'07.430"W	12.58	
9115.00	76.800	269.200	8919.01	392.73	9.12	-392.85	714355.37	736824.52	33°01'27.307"N	103°46'07.781"W	12.90	
9147.00	80.800	268.400	8925.22	424.11	8.46	-424.23	714323.99	736823.86	33°01'27.302"N	103°46'08.149"W	12.74	
9178.00	83.500	268.400	8929.45	454.82	7.60	-454.93	714293.30	736823.00	33°01'27.296"N	103°46'08.510"W	8.71	
9206.00	86.300	268.900	8931.94	482.70	6.95	-482.80	714265.42	736822.35	33°01'27.291"N	103°46'08.837"W	10.16	
9210.00	86.400	270.600	8932.20	486.69	6.93	-486.80	714261.43	736822.33	33°01'27.291"N	103°46'08.884"W	42.49	
9247.00	89.100	270.200	8933.65	523.65	7.19	-523.76	714224.47	736822.59	33°01'27.295"N	103°46'09.319"W	7.38	
9273.00	91.000	270.600	8933.63	549.65	7.37	-549.76	714198.47	736822.77	33°01'27.298"N	103°46'09.624"W	7.47	
9305.00	90.800	270.700	8933.13	581.64	7.73	-581.75	714166.48	736823.13	33°01'27.304"N	103°46'10.000"W	0.70	
9337.00	90.500	270.700	8932.76	613.63	8.12	-613.75	714134.49	736823.52	33°01'27.309"N	103°46'10.375"W	0.94	
9369.00	90.300	270.600	8932.54	645.62	8.49	-645.75	714102.49	736823.89	33°01'27.314"N	103°46'10.751"W	0.70	
9400.00	91.500	270.700	8932.05	676.61	8.84	-676.74	714071.50	736824.24	33°01'27.320"N	103°46'11.115"W	3.88	
9463.00	91.600	271.300	8930.35	739.56	9.94	-739.71	714008.54	736825.34	33°01'27.334"N	103°46'11.855"W	0.97	
9527.00	91.100	269.500	8928.84	803.53	10.38	-803.69	713944.56	736825.78	33°01'27.342"N	103°46'12.606"W	2.92	
9590.00	89.600	269.000	8928.46	866.52	9.56	-866.68	713881.57	736824.96	33°01'27.337"N	103°46'13.346"W	2.51	
9653.00	90.600	268.800	8928.35	929.52	8.35	-929.66	713818.59	736823.75	33°01'27.328"N	103°46'14.086"W	1.62	
9717.00	91.500	270.700	8927.17	993.50	8.07	-993.65	713754.61	736823.47	33°01'27.329"N	103°46'14.837"W	3.28	
9780.00	91.500	271.100	8925.52	1056.46	9.06	-1056.62	713691.64	736824.46	33°01'27.342"N	103°46'15.577"W	0.63	
9843.00	91.600	269.300	8923.82	1119.43	9.28	-1119.59	713628.67	736824.68	33°01'27.347"N	103°46'16.316"W	2.86	
9906.00	91.400	268.800	8922.17	1182.41	8.24	-1182.56	713565.71	736823.64	33°01'27.340"N	103°46'17.056"W	0.85	
9969.00	91.000	268.300	8920.85	1245.38	6.64	-1245.53	713502.74	736822.04	33°01'27.328"N	103°46'17.795"W	1.02	
10032.00	91.200	268.000	8919.64	1308.36	4.61	-1308.48	713439.79	736820.01	33°01'27.311"N	103°46'18.535"W	0.57	
10096.00	91.400	267.900	8918.19	1372.32	2.32	-1372.43	713375.85	736817.72	33°01'27.292"N	103°46'19.286"W	0.35	
10159.00	90.900	267.700	8916.92	1435.28	-0.10	-1435.37	713312.92	736815.30	33°01'27.271"N	103°46'20.025"W	0.85	
10223.00	91.100	269.100	8915.81	1499.26	-1.89	-1499.33	713248.96	736813.51	33°01'27.257"N	103°46'20.777"W	2.21	
10286.00	91.200	269.900	8914.54	1562.25	-2.43	-1562.32	713185.98	736812.97	33°01'27.255"N	103°46'21.516"W	1.28	



Actual Wellpath Report

No 1H AWP

Page 4 of 5



INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	Yates Petroleum Corporation	Slot	No.1H SHL
Area	Chaves County, NM	Well	No.1H
Field	(Gemini) Wildcat Abo Wolfcamp	Wellbore	No 1H AWP
Facility	Gemini Federal No.1H		

WELLPATH DATA (139 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	DLS [°/100ft]	Comments
10349.00	91.900	269.400	8912.84	1625.23	-2.82	-1625.29	713123.00	736812.58	33°01'27.254"N	103°46'22.256"W	1.37	
10412.00	92.800	269.700	8910.26	1688.17	-3.31	-1688.24	713060.06	736812.09	33°01'27.253"N	103°46'22.995"W	1.51	
10476.00	91.600	269.400	8907.80	1752.12	-3.82	-1752.19	712996.12	736811.58	33°01'27.251"N	103°46'23.746"W	1.93	
10539.00	91.800	269.500	8905.93	1815.10	-4.42	-1815.15	712933.15	736810.98	33°01'27.249"N	103°46'24.486"W	0.35	
10602.00	92.900	269.600	8903.35	1878.04	-4.92	-1878.10	712870.21	736810.49	33°01'27.247"N	103°46'25.225"W	1.75	
10666.00	91.300	268.900	8901.00	1942.00	-5.75	-1942.05	712806.27	736809.65	33°01'27.242"N	103°46'25.976"W	2.73	
10729.00	91.000	268.800	8899.74	2004.98	-7.02	-2005.02	712743.29	736808.38	33°01'27.233"N	103°46'26.716"W	0.50	
10792.00	90.000	268.000	8899.19	2067.97	-8.78	-2067.99	712680.33	736806.62	33°01'27.219"N	103°46'27.456"W	2.03	
10856.00	90.300	269.200	8899.02	2131.96	-10.34	-2131.97	712616.35	736805.06	33°01'27.207"N	103°46'28.207"W	1.93	
10920.00	91.600	270.200	8897.96	2195.95	-10.67	-2195.96	712552.37	736804.73	33°01'27.207"N	103°46'28.959"W	2.56	
10983.00	91.700	269.800	8896.14	2258.92	-10.67	-2258.94	712489.40	736804.73	33°01'27.210"N	103°46'29.698"W	0.65	
11047.00	91.100	270.000	8894.58	2322.90	-10.79	-2322.92	712425.42	736804.61	33°01'27.212"N	103°46'30.450"W	0.99	
11109.00	90.800	269.300	8893.55	2384.89	-11.16	-2384.91	712363.43	736804.24	33°01'27.212"N	103°46'31.178"W	1.23	
11173.00	90.300	269.000	8892.94	2448.88	-12.11	-2448.90	712299.45	736803.29	33°01'27.206"N	103°46'31.930"W	0.91	
11236.00	91.400	268.700	8892.00	2511.87	-13.38	-2511.87	712236.47	736802.02	33°01'27.197"N	103°46'32.669"W	1.81	
11299.00	92.200	267.800	8890.03	2574.83	-15.30	-2574.81	712173.54	736800.10	33°01'27.181"N	103°46'33.409"W	1.91	
11362.00	91.800	268.000	8887.83	2637.77	-17.61	-2637.73	712110.62	736797.79	33°01'27.161"N	103°46'34.148"W	0.71	
11425.00	92.300	269.000	8885.57	2700.72	-19.26	-2700.67	712047.69	736796.14	33°01'27.148"N	103°46'34.887"W	1.77	
11488.00	91.900	268.900	8883.26	2763.68	-20.41	-2763.62	711984.75	736794.99	33°01'27.140"N	103°46'35.626"W	0.65	
11552.00	92.300	268.300	8880.92	2827.63	-21.97	-2827.55	711920.81	736793.43	33°01'27.128"N	103°46'36.377"W	1.13	
11615.00	92.300	269.700	8878.39	2890.57	-23.07	-2890.49	711857.88	736792.33	33°01'27.121"N	103°46'37.117"W	2.22	
11678.00	90.600	270.400	8876.80	2953.55	-23.02	-2953.47	711794.90	736792.39	33°01'27.124"N	103°46'37.856"W	2.92	
11742.00	90.200	269.500	8876.35	3017.54	-23.07	-3017.47	711730.91	736792.33	33°01'27.127"N	103°46'38.608"W	1.54	
11805.00	90.400	269.500	8876.02	3080.54	-23.62	-3080.46	711667.92	736791.78	33°01'27.125"N	103°46'39.348"W	0.32	
11869.00	90.700	269.900	8875.41	3144.53	-23.96	-3144.46	711603.92	736791.44	33°01'27.125"N	103°46'40.099"W	0.78	
11932.00	90.700	270.000	8874.64	3207.53	-24.01	-3207.45	711540.93	736791.39	33°01'27.128"N	103°46'40.839"W	0.16	
11994.00	90.400	269.800	8874.04	3269.52	-24.12	-3269.45	711478.94	736791.28	33°01'27.130"N	103°46'41.567"W	0.58	
12058.00	91.100	270.600	8873.20	3333.51	-23.90	-3333.44	711414.95	736791.50	33°01'27.136"N	103°46'42.319"W	1.66	
12121.00	91.400	270.500	8871.83	3396.48	-23.29	-3396.43	711351.97	736792.11	33°01'27.145"N	103°46'43.059"W	0.50	
12184.00	91.200	270.500	8870.40	3459.45	-22.74	-3459.41	711288.99	736792.66	33°01'27.153"N	103°46'43.798"W	0.32	
12248.00	90.800	270.300	8869.28	3523.43	-22.30	-3523.40	711225.01	736793.11	33°01'27.161"N	103°46'44.550"W	0.70	
12311.00	90.700	270.300	8868.46	3586.42	-21.97	-3586.39	711162.02	736793.44	33°01'27.168"N	103°46'45.290"W	0.16	
12374.00	90.200	270.300	8867.96	3649.41	-21.64	-3649.39	711099.03	736793.77	33°01'27.174"N	103°46'46.029"W	0.79	
12437.00	90.800	270.000	8867.41	3712.40	-21.47	-3712.38	711036.03	736793.93	33°01'27.179"N	103°46'46.769"W	1.06	
12501.00	91.200	270.100	8866.30	3776.38	-21.42	-3776.37	710972.05	736793.99	33°01'27.183"N	103°46'47.521"W	0.64	
12564.00	91.000	270.200	8865.09	3839.37	-21.25	-3839.36	710909.06	736794.15	33°01'27.188"N	103°46'48.261"W	0.35	
12627.00	90.600	269.400	8864.21	3902.36	-21.47	-3902.36	710846.07	736793.93	33°01'27.189"N	103°46'49.000"W	1.42	
12690.00	90.500	269.900	8863.60	3965.36	-21.86	-3965.35	710783.08	736793.55	33°01'27.189"N	103°46'49.740"W	0.81	
12754.00	90.200	269.700	8863.21	4029.35	-22.08	-4029.35	710719.09	736793.32	33°01'27.190"N	103°46'50.492"W	0.56	
12817.00	91.100	269.100	8862.50	4092.35	-22.74	-4092.34	710656.10	736792.66	33°01'27.187"N	103°46'51.232"W	1.72	
12881.00	91.400	269.500	8861.10	4156.33	-23.52	-4156.32	710592.12	736791.88	33°01'27.182"N	103°46'51.983"W	0.78	
12944.00	91.300	269.600	8859.62	4219.31	-24.01	-4219.30	710529.15	736791.39	33°01'27.180"N	103°46'52.723"W	0.22	
13007.00	91.000	269.100	8858.35	4282.30	-24.73	-4282.28	710466.17	736790.67	33°01'27.177"N	103°46'53.463"W	0.93	
13071.00	90.900	269.600	8857.29	4346.29	-25.46	-4346.27	710402.18	736789.95	33°01'27.173"N	103°46'54.214"W	0.80	
13134.00	91.100	270.400	8856.19	4409.28	-25.46	-4409.26	710339.20	736789.95	33°01'27.176"N	103°46'54.954"W	1.31	



Actual Wellpath Report

No 1H AWP

Page 5 of 5



INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	Yates Petroleum Corporation	Slot	No.1H SHL
Area	Chaves County, NM	Well	No.1H
Field	(Gemini) Wildcat Abo Wolfcamp	Wellbore	No 1H AWB
Facility	Gemini Federal No.1H		

WELLPATH DATA (139 stations)												
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	DLS [°/100ft]	Comments
13197.00	90.700	270.100	8855.20	4472.26	-25.18	-4472.25	710276.21	736790.22	33°01'27.182"N	103°46'55.694"W	0.79	
13261.00	91.300	270.500	8854.09	4536.24	-24.85	-4536.24	710212.22	736790.56	33°01'27.189"N	103°46'56.445"W	1.13	
13275.00	91.500	270.800	8853.74	4550.24	-24.69	-4550.24	710198.23	736790.71	33°01'27.191"N	103°46'56.610"W	2.57	
13327.00	91.500	270.800	8852.38	4602.20	-23.96	-4602.21	710146.26	736791.44	33°01'27.201"N	103°46'57.220"W	0.00	Proj to Bit

HOLE & CASING SECTIONS Ref Wellbore: No 1H AWB Ref Wellpath: No 1H AWP									
String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
7in Casing Intermediate	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7in Casing Intermediate	0.00	8350.00	8350.00	0.00	8349.71	0.00	0.00	5.81	16.13
6.125in Open Hole	8350.00	0.00	-8350.00	8349.71	0.00	5.81	16.13	0.00	0.00
6.125in Open Hole	8350.00	0.00	-8350.00	8349.71	0.00	5.81	16.13	0.00	0.00

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
No.1H PBHL		8870.00	-50.11	-4625.63	710122.84	736765.29	33°01'26.943"N	103°46'57.497"W	point

WELLPATH COMPOSITION Ref Wellbore: No 1H AWB Ref Wellpath: No 1H AWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	8400.00	Generic gyro - northseeking (Standard)	Gyro	No 1H AWB
8400.00	13327.00	NaviTrak (Standard)	MWD	No 1H AWB

