

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.	
6. If Indian, Allottee or Tribe Name	
7. If Unit of CA/Agreement, Name and/or No.	
8. Well Name and No.	
9. API Well No.	
10. Field and Pool or Exploratory Area	11. Country or Parish, State

SUBMIT IN TRIPLICATE - Other instructions on page 2	
1. Type of Well ☐ Oil Well ☐ Gas Well ☐ Other	
2. Name of Operator	
3a. Address	3b. Phone No. (include area code)
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)	

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA	
TYPE OF SUBMISSION	TYPE OF ACTION
☐ Notice of Intent	☐ Acidize ☐ Deepen ☐ Production (Start/Resume) ☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing ☐ Hydraulic Fracturing ☐ Reclamation ☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair ☐ New Construction ☐ Recomplete ☐ Other
	☐ Change Plans ☐ Plug and Abandon ☐ Temporarily Abandon
	☐ Convert to Injection ☐ Plug Back ☐ Water Disposal

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)	Title
Signature	Date

THE SPACE FOR FEDERAL OR STATE OFFICE USE		
Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

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.

(Instructions on page 2)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Additional Information

Additional Remarks

10-15 @ 1.67 FPH - 3min/in.

15-20 @ 2.5 FPH - 2min/in.

20-25 @ 5 FPH or controlled ROP - Once 25 has been time drilled or 100% formation, good differential, and all involved has been contacted and agreed. Slowly begin to increase ROP. Be sure to watch all drilling parameters during the sidetrack operation. If a decrease in WOB or Diff occurs we will need to speak with all parties concerned.

Approved via email by Zota Stevens on March 3, 2023,

Location of Well

0. SHL: NENW / 232 FNL / 1645 FWL / TWSP: 20S / RANGE: 34E / SECTION: 18 / LAT: 32.5797504 / LONG: -103.6028498 (TVD: 0 feet, MD: 0 feet)
PPP: NWNW / 10 FNL / 998 FWL / TWSP: 20S / RANGE: 34E / SECTION: 18 / LAT: 32.5801065 / LONG: -103.6049309 (TVD: 10873 feet, MD: 10950 feet)
PPP: SWSW / 0 FNL / 998 FWL / TWSP: 20S / RANGE: 34E / SECTION: 19 / LAT: 32.5549999 / LONG: -103.6049413 (TVD: 11025 feet, MD: 19989 feet)
PPP: NWSW / 0 FNL / 998 FWL / TWSP: 20S / RANGE: 34E / SECTION: 18 / LAT: 32.5731318 / LONG: -103.604932 (TVD: 11025 feet, MD: 13392 feet)
PPP: SWNW / 0 FNL / 998 FWL / TWSP: 20S / RANGE: 34E / SECTION: 18 / LAT: 32.5767567 / LONG: -103.6049302 (TVD: 11025 feet, MD: 12073 feet)
BHL: SWSW / 10 FSL / 998 FWL / TWSP: 20S / RANGE: 34E / SECTION: 19 / LAT: 32.5514018 / LONG: -103.6049431 (TVD: 11025 feet, MD: 21298 feet)



Permian Resources

Lea County, NM (NAD83 NME)

Batman

Batman Fed Com 201H

ST01 / 71612

Plan 3 03-03-23

Anticollision Report

03 March, 2023

PERMIAN
R E S O U R C E S



Anticollision Report

PERMIAN

RESOURCES

Company:	Permian Resources	Local Co-ordinate Reference:	Well Batman Fed Com 201H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3641.38usft (H&P 296)
Reference Site:	Batman	MD Reference:	RKB @ 3641.38usft (H&P 296)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ST01 / 71612	Database:	USA Compass
Reference Design:	Plan 3 03-03-23	Offset TVD Reference:	Reference Datum

Reference	Plan 3 03-03-23		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD + Stations Interval 100.00usft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Max. Cent. Dist. of 1,000.00usft or Max. SF of 4	Error Surface:	Pedal Curve
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program	Date	3/3/2023		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
178.00	11,014.00	Phoenix MWD Surveys (OH / 71612)	MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction
11,014.00	21,232.73	Plan 3 03-03-23 (ST01 / 71612)	MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Batman						
Batman Fed Com 131H - OH / 71610 - Plan 2 01-20-23	1,615.63	1,615.08	23.42	13.21	2.294	CC
Batman Fed Com 131H - OH / 71610 - Plan 2 01-20-23	1,644.00	1,643.45	23.46	13.15	2.276	ES
Batman Fed Com 131H - OH / 71610 - Plan 2 01-20-23	6,019.00	6,009.46	56.76	21.58	1.613	SF
Batman Fed Com 131H - OH / 71610 - Surveys (H&P 296)	1,573.80	1,573.21	25.72	15.49	2.515	CC
Batman Fed Com 131H - OH / 71610 - Surveys (H&P 296)	1,600.00	1,599.40	25.76	15.44	2.496	ES
Batman Fed Com 131H - OH / 71610 - Surveys (H&P 296)	1,644.00	1,643.38	26.01	15.53	2.482	SF
Batman Fed Com 132H - Pilot / 71611 - Surveys (H&P 29)	2,172.34	2,172.79	25.92	13.50	2.088	CC, ES
Batman Fed Com 132H - Pilot / 71611 - Surveys (H&P 29)	2,200.00	2,200.36	26.07	13.56	2.084	SF
Batman Fed Com 132H - ST01 / 71611 - Surveys (H&P 2)	2,172.34	2,172.79	25.92	13.50	2.088	CC, ES
Batman Fed Com 132H - ST01 / 71611 - Surveys (H&P 2)	2,200.00	2,200.36	26.07	13.56	2.084	SF
Batman Fed Com 133H - OH / 71616 - Surveys (H&P 425)						Out of range
Batman Fed Com 134H - OH / 71617 - Surveys (H&P 425)						Out of range
Batman Fed Com 201H - OH / 71612 - Surveys (H&P 296)	11,320.00	11,318.96	12.35	9.12	3.824	CC, ES
Batman Fed Com 201H - OH / 71612 - Surveys (H&P 296)	11,350.00	11,334.00	19.18	13.50	3.378	SF
Batman Offsets (NAD27 - Grid)						
Hamon A Fed Com 10H - OH - Surveys	6,328.01	6,262.17	175.24	154.23	8.339	CC
Hamon A Fed Com 10H - OH - Surveys	6,400.00	6,334.36	175.36	154.14	8.262	ES
Hamon A Fed Com 10H - OH - Surveys	7,300.00	7,226.74	218.33	190.84	7.942	SF
Hamon A Fed Com 12H - OH - Surveys	5,083.33	5,034.24	214.99	195.37	10.958	CC, ES
Hamon A Fed Com 12H - OH - Surveys	6,100.00	6,025.07	258.86	231.77	9.553	SF
Hamon A Federal Com 11H - OH - Surveys	9,197.59	9,163.02	82.96	43.33	2.093	CC, ES, SF
Hamon A Federal Com 9H - OH - Surveys	6,156.76	6,096.52	225.12	201.13	9.385	CC, ES
Hamon A Federal Com 9H - OH - Surveys	6,500.00	6,421.58	246.74	218.66	8.787	SF
Hamon Fed Com A 2H - OH - Surveys	8,581.01	8,519.46	123.73	88.01	3.464	CC
Hamon Fed Com A 2H - OH - Surveys	8,684.00	8,621.17	124.23	87.70	3.400	ES
Hamon Fed Com A 2H - OH - Surveys	9,100.00	9,034.56	134.89	94.17	3.313	SF
Hamon Federal Com 1H - OH - Surveys	6,075.99	6,022.68	51.51	29.87	2.380	CC
Hamon Federal Com 1H - OH - Surveys	6,114.00	6,059.83	52.16	28.93	2.245	ES
Hamon Federal Com 1H - OH - Surveys	6,200.00	6,144.02	57.44	31.11	2.181	SF
Batman Offsets (NAD83 - True)						
Topaz 19 Federal Com 1 - OH - Surveys	20,512.61	11,461.38	845.05	748.77	8.777	CC, ES, SF

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report

PERMIAN

RESOURCES

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Reference Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ST01 / 71612	Database:	USA Compass
Reference Design:	Plan 3 03-03-23	Offset TVD Reference:	Reference Datum

Offset Design: Batman - Batman Fed Com 131H - OH / 71610 - Plan 2 01-20-23													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1+MS													Offset Well Error: 1.00 usft
Reference		Offset		Semi Major Axis		Highside		Offset Wellbore Centre		Distance		Rule Assigned:	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.52	1.00	1.00	-90.619	-0.32	-30.01	30.01				
100.00	100.00	99.48	100.00	1.27	1.12	6.236	-0.32	-30.01	29.89	27.50	2.39	12.500	
178.00	178.00	177.48	178.00	1.89	1.51	6.292	-0.32	-30.01	29.62	26.22	3.40	8.700	
200.00	200.00	199.48	200.00	1.96	1.65	10.428	-0.32	-30.01	29.53	25.92	3.61	8.186	
261.00	261.00	260.48	261.00	2.14	1.89	20.444	-0.32	-30.01	29.25	25.22	4.03	7.255	
300.00	300.00	299.48	300.00	2.25	2.05	11.505	-0.32	-30.01	29.04	24.74	4.30	6.749	
345.00	345.00	344.48	345.00	2.38	2.20	4.203	-0.32	-30.01	28.75	24.16	4.58	6.273	
400.00	400.00	399.48	400.00	2.54	2.39	1.519	-0.32	-30.01	28.35	23.43	4.92	5.761	
429.00	428.99	428.47	428.99	2.62	2.47	0.088	-0.32	-30.01	28.15	23.06	5.09	5.532	
500.00	499.99	499.47	499.99	2.81	2.69	23.952	-0.32	-30.01	27.71	22.22	5.49	5.048	
514.00	513.99	513.47	513.99	2.84	2.72	29.853	-0.32	-30.01	27.64	22.07	5.56	4.967	
598.00	597.99	597.47	597.99	3.06	2.95	48.173	-0.32	-30.01	27.24	21.24	6.00	4.543	
600.00	599.99	599.47	599.99	3.06	2.96	48.195	-0.32	-30.01	27.23	21.22	6.01	4.533	
695.00	694.99	694.47	694.99	3.33	3.19	25.360	-0.32	-30.01	26.82	20.32	6.50	4.125	
700.00	699.99	699.47	699.99	3.34	3.20	28.035	-0.32	-30.01	26.80	20.27	6.53	4.106	
790.00	789.99	789.47	789.99	3.57	3.41	74.620	-0.32	-30.01	26.57	19.62	6.95	3.822	
800.00	799.99	799.47	799.99	3.60	3.44	71.930	-0.32	-30.01	26.56	19.56	7.00	3.795	
885.00	884.99	884.47	884.99	3.81	3.62	53.339	-0.32	-30.01	26.33	18.96	7.37	3.572	
900.00	899.99	899.47	899.99	3.84	3.66	57.135	-0.32	-30.01	26.27	18.84	7.43	3.534	
980.00	979.99	979.47	979.99	4.04	3.83	79.693	-0.32	-30.01	26.10	18.33	7.77	3.361	
1,000.00	999.99	999.47	999.99	4.08	3.87	71.325	-0.32	-30.01	26.07	18.22	7.85	3.322	
1,075.00	1,074.98	1,074.46	1,074.98	4.26	4.02	33.880	-0.32	-30.01	25.85	17.69	8.15	3.170	
1,100.00	1,099.98	1,099.46	1,099.98	4.32	4.07	43.182	-0.32	-30.01	25.74	17.48	8.26	3.118	
1,170.00	1,169.98	1,169.46	1,169.98	4.49	4.20	61.617	-0.32	-30.01	25.46	16.93	8.54	2.983	
1,200.00	1,199.98	1,199.46	1,199.98	4.57	4.26	53.645	-0.32	-30.01	25.34	16.69	8.65	2.928	
1,265.00	1,264.98	1,264.46	1,264.98	4.73	4.38	36.396	-0.32	-30.01	24.99	16.09	8.91	2.806	
1,300.00	1,299.98	1,299.46	1,299.98	4.81	4.45	35.384	-0.32	-30.01	24.77	15.72	9.05	2.738	
1,360.00	1,359.98	1,359.46	1,359.98	4.96	4.55	33.752	-0.32	-30.01	24.37	15.09	9.28	2.626	
1,400.00	1,399.98	1,399.46	1,399.98	5.06	4.63	35.343	-0.32	-30.01	24.14	14.70	9.44	2.557	
1,462.00	1,461.98	1,461.46	1,461.98	5.21	4.73	42.532	-0.32	-30.01	23.94	14.25	9.68	2.473	
1,500.00	1,499.98	1,499.46	1,499.98	5.29	4.80	11.445	-0.32	-30.01	23.84	14.02	9.82	2.428	
1,549.00	1,548.97	1,548.45	1,548.97	5.38	4.88	-3.788	-0.32	-30.01	23.61	13.62	9.99	2.363	
1,600.00	1,599.97	1,599.45	1,599.97	5.44	4.97	-70.346	-0.32	-30.01	23.43	13.27	10.16	2.306	
1,615.63	1,615.60	1,615.08	1,615.60	5.46	4.99	-90.003	-0.32	-30.01	23.42	13.21	10.21	2.294 CC	
1,644.00	1,643.97	1,643.45	1,643.97	5.49	5.04	-110.394	-0.32	-30.01	23.46	13.15	10.31	2.276 ES	
1,700.00	1,699.97	1,699.45	1,699.97	5.50	5.13	-135.713	-0.32	-30.01	23.71	13.27	10.44	2.270	
1,740.00	1,739.97	1,739.45	1,739.97	5.51	5.20	-147.054	-0.32	-30.01	24.03	13.49	10.54	2.280	
1,800.00	1,799.96	1,799.44	1,799.96	5.52	5.30	-143.808	-0.32	-30.01	24.65	13.97	10.67	2.309	
1,835.00	1,834.96	1,834.44	1,834.96	5.52	5.35	-142.600	-0.32	-30.01	25.04	14.29	10.75	2.330	
1,900.00	1,899.96	1,899.44	1,899.96	5.54	5.45	-151.747	-0.32	-30.01	25.80	14.91	10.89	2.369	
1,930.00	1,929.95	1,929.43	1,929.95	5.55	5.50	-156.605	-0.32	-30.01	26.14	15.19	10.95	2.387	
2,000.00	1,999.95	1,999.43	1,999.95	5.57	5.61	-158.658	-0.32	-30.01	27.00	15.90	11.10	2.432	
2,025.00	2,024.94	2,024.31	2,024.83	5.58	5.64	-159.299	-0.32	-30.06	27.39	16.24	11.15	2.457	
2,100.00	2,099.94	2,098.92	2,099.43	5.61	5.75	-157.589	-0.21	-30.85	29.20	17.90	11.30	2.584	
2,120.00	2,119.93	2,118.81	2,119.32	5.62	5.78	-157.027	-0.15	-31.23	29.83	18.49	11.34	2.631	
2,200.00	2,199.93	2,198.33	2,198.81	5.70	5.89	-66.855	0.15	-33.41	32.46	20.92	11.54	2.813	
2,216.00	2,215.93	2,214.24	2,214.71	5.71	5.92	-42.637	0.23	-33.97	32.97	21.39	11.58	2.847	
2,300.00	2,299.92	2,297.70	2,298.09	5.85	6.05	-20.018	0.75	-37.66	35.40	23.53	11.87	2.982	
2,311.00	2,310.91	2,308.63	2,309.00	5.87	6.07	-19.455	0.83	-38.24	35.67	23.76	11.91	2.996	
2,400.00	2,399.83	2,397.05	2,397.25	6.07	6.22	-20.031	1.59	-43.63	37.49	25.23	12.26	3.058	
2,406.00	2,405.82	2,403.01	2,403.20	6.08	6.23	-20.109	1.65	-44.04	37.59	25.30	12.29	3.059	
2,500.00	2,499.59	2,496.38	2,496.28	6.30	6.42	-19.182	2.67	-51.29	38.78	26.10	12.68	3.058	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report

PERMIAN

RESOURCES

Company:	Permian Resources	Local Co-ordinate Reference:	Well Batman Fed Com 201H
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Reference Wellbore	ST01 / 71612	Database:	USA Compass
Reference Design:	Plan 3 03-03-23	Offset TVD Reference:	Reference Datum

Offset Design: Batman - Batman Fed Com 131H - OH / 71610 - Plan 2 01-20-23													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1+MS													Offset Well Error: 1.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
2,501.00	2,500.59	2,497.37	2,497.27	6.30	6.42	-19.181	2.68	-51.37	38.79	26.10	12.68	3.058	
2,597.00	2,596.19	2,592.72	2,592.18	6.54	6.62	-21.161	3.94	-60.34	39.60	26.49	13.11	3.021	
2,600.00	2,599.18	2,595.70	2,595.15	6.55	6.63	-21.234	3.98	-60.65	39.62	26.50	13.12	3.020	
2,692.00	2,690.69	2,687.05	2,685.93	6.78	6.84	-23.298	5.40	-70.75	40.96	27.41	13.54	3.024	
2,700.00	2,698.65	2,694.99	2,693.81	6.80	6.86	-23.772	5.53	-71.70	41.13	27.55	13.58	3.029	
2,787.00	2,785.19	2,781.32	2,779.42	7.03	7.09	-28.967	7.08	-82.68	43.94	29.95	13.99	3.141	
2,800.00	2,798.12	2,794.21	2,792.19	7.06	7.12	-28.801	7.32	-84.43	44.49	30.43	14.06	3.165	
2,882.00	2,879.59	2,875.51	2,872.62	7.29	7.34	-27.997	8.97	-96.12	47.81	33.35	14.46	3.306	
2,900.00	2,897.46	2,893.35	2,890.25	7.35	7.39	-27.216	9.35	-98.84	48.51	33.96	14.56	3.333	
2,978.00	2,974.77	2,970.65	2,968.54	7.59	7.62	-24.081	11.09	-111.23	51.32	36.34	14.97	3.427	
3,000.00	2,996.56	2,992.45	2,988.02	7.65	7.69	-23.833	11.61	-114.91	52.09	36.99	15.09	3.451	
3,073.00	3,068.84	3,065.34	3,059.79	7.89	7.91	-22.808	13.37	-127.44	54.76	39.23	15.53	3.527	
3,100.00	3,095.57	3,092.32	3,086.37	7.97	8.00	-23.577	14.02	-132.08	55.77	40.08	15.69	3.554	
3,168.00	3,162.96	3,160.25	3,153.27	8.19	8.22	-25.719	15.66	-143.76	58.74	42.63	16.11	3.647	
3,200.00	3,194.68	3,192.22	3,184.75	8.30	8.32	-23.253	16.44	-149.26	60.21	43.90	16.31	3.692	
3,263.00	3,257.10	3,255.17	3,246.74	8.51	8.53	-18.307	17.96	-160.08	62.68	45.96	16.72	3.748	
3,300.00	3,293.74	3,292.15	3,283.16	8.63	8.66	-15.409	18.85	-166.44	63.86	46.88	16.98	3.761	
3,358.00	3,351.12	3,350.12	3,340.25	8.83	8.86	-10.887	20.25	-176.41	65.27	47.87	17.40	3.752	
3,400.00	3,392.66	3,392.10	3,381.59	8.98	9.00	-8.632	21.27	-183.63	66.20	48.48	17.71	3.737	
3,453.00	3,445.12	3,445.06	3,433.75	9.17	9.19	-5.468	22.55	-192.74	67.64	49.52	18.12	3.733	
3,500.00	3,491.65	3,492.02	3,480.00	9.34	9.36	-4.549	23.68	-200.81	68.93	50.44	18.49	3.728	
3,548.00	3,539.12	3,539.99	3,527.24	9.51	9.53	-3.674	24.84	-209.06	69.97	51.11	18.86	3.709	
3,600.00	3,590.47	3,591.97	3,578.42	9.71	9.72	-2.718	26.10	-218.00	70.67	51.38	19.28	3.665	
3,644.00	3,633.84	3,635.95	3,621.74	9.88	9.89	-1.936	27.16	-225.56	70.80	51.16	19.64	3.605	
3,700.00	3,689.00	3,691.93	3,676.87	10.09	10.10	0.296	28.51	-235.19	70.72	50.63	20.09	3.520	
3,739.00	3,727.42	3,730.91	3,715.26	10.24	10.24	1.937	29.45	-241.89	70.69	50.28	20.41	3.463	
3,800.00	3,787.47	3,791.89	3,775.31	10.48	10.48	2.140	30.93	-252.38	70.50	49.58	20.91	3.371	
3,834.00	3,820.91	3,825.88	3,808.78	10.61	10.61	2.219	31.75	-258.22	70.24	49.05	21.19	3.315	
3,900.00	3,885.76	3,891.86	3,873.76	10.87	10.86	0.995	33.34	-269.57	69.38	47.64	21.73	3.192	
3,929.00	3,914.23	3,920.85	3,902.31	10.99	10.97	0.396	34.04	-274.55	68.84	46.87	21.97	3.134	
4,000.00	3,983.87	3,991.83	3,972.21	11.27	11.25	-3.707	35.76	-286.76	67.32	44.77	22.55	2.985	
4,024.00	4,007.40	4,015.82	3,995.84	11.37	11.34	-5.270	36.34	-290.88	66.76	44.02	22.74	2.935	
4,100.00	4,081.87	4,091.79	4,070.66	11.68	11.64	-8.971	38.18	-303.95	64.82	41.47	23.36	2.775	
4,119.00	4,100.48	4,110.78	4,089.36	11.76	11.72	-9.996	38.63	-307.21	64.30	40.79	23.51	2.735	
4,200.00	4,179.76	4,191.73	4,169.07	12.10	12.04	-11.567	40.59	-321.13	61.94	37.80	24.15	2.565	
4,214.00	4,193.46	4,205.72	4,182.85	12.15	12.10	-11.856	40.93	-323.54	61.52	37.26	24.26	2.536	
4,300.00	4,277.54	4,291.64	4,267.47	12.52	12.45	-15.279	43.01	-338.31	58.72	33.81	24.91	2.357	
4,310.00	4,287.31	4,301.63	4,277.31	12.56	12.49	-15.720	43.25	-340.03	58.37	33.39	24.98	2.337	
4,400.00	4,375.41	4,391.56	4,365.87	12.94	12.85	-19.228	45.42	-355.50	56.11	30.50	25.61	2.191	
4,405.00	4,380.31	4,396.56	4,370.80	12.96	12.87	-19.426	45.54	-356.36	56.03	30.39	25.64	2.185	
4,500.00	4,473.56	4,491.52	4,464.31	13.35	13.26	-21.306	47.84	-372.69	55.07	28.81	26.26	2.097	
4,595.00	4,566.84	4,586.49	4,557.84	13.75	13.65	-24.309	50.13	-389.02	54.31	27.47	26.84	2.024	
4,600.00	4,571.75	4,591.49	4,562.76	13.77	13.68	-24.491	50.25	-389.87	54.26	27.40	26.86	2.020	
4,626.45	4,597.73	4,617.92	4,588.80	13.89	13.79	-25.416	50.89	-394.42	54.15	27.13	27.02	2.004	
4,690.00	4,660.33	4,681.46	4,651.36	14.17	14.05	-27.358	52.43	-405.35	54.79	27.39	27.40	1.999	
4,700.00	4,670.20	4,691.45	4,661.21	14.21	14.09	-27.651	52.67	-407.07	54.99	27.52	27.47	2.002	
4,785.00	4,754.02	4,776.42	4,744.89	14.56	14.45	-30.308	54.72	-421.68	56.53	28.58	27.94	2.023	
4,800.00	4,768.81	4,791.42	4,759.65	14.63	14.51	-30.815	55.08	-424.26	56.78	28.76	28.02	2.026	
4,881.00	4,848.65	4,872.38	4,839.39	14.96	14.85	-33.625	57.04	-438.18	58.21	29.79	28.41	2.049	
4,900.00	4,867.37	4,891.38	4,858.09	15.04	14.93	-34.236	57.50	-441.44	58.56	30.06	28.50	2.055	
4,976.00	4,942.25	4,967.34	4,932.90	15.36	15.25	-36.758	59.33	-454.51	59.92	31.13	28.80	2.081	
5,000.00	4,965.88	4,991.32	4,956.52	15.46	15.35	-37.600	59.91	-458.63	60.35	31.47	28.88	2.090	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report

PERMIAN

RESOURCES

Company:	Permian Resources	Local Co-ordinate Reference:	Well Batman Fed Com 201H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3641.38usft (H&P 296)
Reference Site:	Batman	MD Reference:	RKB @ 3641.38usft (H&P 296)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ST01 / 71612	Database:	USA Compass
Reference Design:	Plan 3 03-03-23	Offset TVD Reference:	Reference Datum

Offset Design: Batman - Batman Fed Com 131H - OH / 71610 - Plan 2 01-20-23												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IFR1+MS												Offset Well Error:	1.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
5,071.00	5,035.78	5,062.28	5,026.40	15.76	15.65	-40.174	61.63	-470.83	61.58	32.50	29.08	2.117	
5,100.00	5,064.32	5,091.26	5,054.94	15.88	15.78	-41.385	62.33	-475.82	62.08	32.93	29.15	2.130	
5,166.00	5,129.22	5,157.21	5,119.89	16.16	16.06	-44.277	63.92	-487.16	63.18	33.94	29.24	2.161	
5,200.00	5,162.65	5,191.18	5,153.35	16.31	16.20	-44.714	64.74	-493.00	63.74	34.48	29.27	2.178	
5,261.00	5,222.64	5,252.14	5,213.38	16.57	16.46	-45.223	66.22	-503.48	64.76	35.42	29.34	2.207	
5,300.00	5,261.01	5,291.12	5,251.77	16.73	16.63	-45.417	67.16	-510.18	65.41	36.01	29.40	2.225	
5,347.00	5,307.27	5,338.10	5,298.03	16.93	16.83	-45.487	68.30	-518.26	66.18	36.67	29.50	2.243	
5,400.00	5,359.42	5,391.08	5,350.20	17.16	17.06	-47.547	69.58	-527.37	67.06	37.45	29.61	2.265	
5,448.00	5,406.65	5,439.05	5,397.45	17.37	17.27	-49.502	70.73	-535.62	67.92	38.26	29.67	2.289	
5,500.00	5,457.79	5,491.03	5,448.64	17.59	17.49	-45.766	71.99	-544.56	68.60	38.83	29.77	2.304	
5,543.00	5,500.07	5,534.03	5,490.98	17.78	17.67	-42.409	73.03	-551.95	68.70	38.78	29.92	2.296	
5,600.00	5,556.08	5,591.02	5,547.11	18.03	17.92	-35.566	74.41	-561.75	68.00	37.72	30.28	2.246	
5,638.00	5,593.38	5,629.01	5,584.52	18.20	18.09	-30.904	75.33	-568.28	66.92	36.31	30.61	2.186	
5,700.00	5,654.21	5,690.96	5,645.53	18.47	18.35	-30.054	76.82	-578.94	64.80	33.55	31.25	2.074	
5,734.00	5,687.57	5,724.94	5,678.99	18.62	18.50	-29.545	77.64	-584.78	63.66	32.05	31.61	2.014	
5,800.00	5,752.35	5,790.90	5,743.95	18.91	18.79	-28.402	79.24	-596.12	61.53	29.18	32.35	1.902	
5,829.00	5,780.82	5,819.88	5,772.49	19.04	18.91	-27.844	79.94	-601.11	60.64	27.95	32.69	1.855	
5,900.00	5,850.56	5,890.83	5,842.36	19.34	19.22	-24.750	81.65	-613.31	58.49	24.89	33.61	1.740	
5,924.00	5,874.14	5,914.81	5,865.98	19.45	19.32	-23.578	82.23	-617.43	57.77	23.83	33.95	1.702	
5,997.59	5,946.58	5,988.02	5,938.07	19.77	19.64	-25.348	83.60	-630.06	56.66	21.73	34.93	1.622	
6,000.00	5,948.95	5,990.41	5,940.43	19.78	19.65	-25.435	83.63	-630.47	56.66	21.70	34.96	1.621	
6,019.00	5,967.70	6,009.46	5,959.19	19.87	19.73	-26.185	83.82	-633.77	56.76	21.58	35.18	1.613 SF	
6,100.00	6,047.80	6,090.28	6,038.78	20.22	20.08	-28.145	84.52	-647.79	58.48	22.38	36.10	1.620	
6,114.00	6,061.67	6,104.27	6,052.56	20.28	20.14	-28.577	84.64	-650.22	58.98	22.72	36.26	1.626	
6,200.00	6,147.01	6,190.16	6,137.14	20.63	20.51	-30.064	85.38	-665.12	63.13	25.85	37.28	1.694	
6,209.00	6,155.95	6,199.14	6,145.99	20.67	20.55	-30.271	85.46	-666.68	63.67	26.28	37.39	1.703	
6,300.00	6,246.38	6,289.95	6,235.42	21.03	20.95	-27.772	86.24	-682.43	69.16	30.71	38.45	1.799	
6,304.00	6,250.36	6,293.95	6,239.36	21.05	20.97	-27.664	86.28	-683.12	69.40	30.90	38.50	1.803	
6,400.00	6,345.85	6,389.69	6,333.65	21.43	21.39	-28.103	87.10	-699.73	76.05	36.43	39.62	1.919	
6,495.00	6,440.54	6,484.25	6,426.77	21.79	21.80	-35.785	87.92	-716.13	84.92	44.22	40.70	2.087	
6,500.00	6,445.53	6,489.22	6,431.66	21.81	21.82	-35.714	87.96	-716.99	85.47	44.72	40.75	2.097	
6,590.00	6,535.39	6,578.55	6,519.64	22.11	22.22	-34.341	88.73	-732.49	96.10	54.34	41.76	2.301	
6,600.00	6,545.38	6,588.46	6,529.40	22.15	22.26	-34.479	88.82	-734.21	97.38	55.50	41.87	2.326	
6,685.00	6,630.33	6,672.58	6,612.24	22.40	22.63	-38.836	89.55	-748.80	109.21	66.38	42.83	2.550	
6,700.00	6,645.33	6,687.40	6,626.83	22.45	22.70	-39.834	89.67	-751.37	111.46	68.47	42.99	2.593	
6,780.00	6,725.31	6,766.44	6,704.67	22.66	23.05	-44.741	90.35	-765.08	123.49	79.70	43.79	2.820	
6,800.00	6,745.31	6,786.20	6,724.13	22.71	23.13	-43.051	90.53	-768.51	126.51	82.53	43.98	2.877	
6,875.00	6,820.29	6,860.32	6,797.12	22.92	23.46	-36.826	91.16	-781.36	137.77	93.10	44.67	3.084	
6,900.00	6,845.28	6,885.03	6,821.45	22.99	23.57	-35.068	91.38	-785.65	141.51	96.62	44.90	3.152	
6,970.00	6,915.26	6,954.20	6,889.58	23.18	23.88	-29.778	91.97	-797.65	152.04	106.51	45.53	3.339	
7,000.00	6,945.26	6,983.84	6,918.77	23.26	24.01	-29.163	92.23	-802.79	156.57	110.77	45.79	3.419	
7,065.00	7,010.24	7,048.06	6,982.01	23.44	24.29	-27.816	92.78	-813.93	166.45	120.09	46.36	3.590	
7,100.00	7,045.24	7,082.64	7,016.06	23.53	24.45	-27.546	93.08	-819.92	171.79	125.13	46.66	3.681	
7,160.00	7,105.22	7,141.91	7,074.44	23.70	24.71	-27.128	93.59	-830.21	180.94	133.77	47.17	3.836	
7,200.00	7,145.22	7,181.43	7,113.36	23.81	24.88	-25.995	93.93	-837.06	187.03	139.53	47.50	3.937	
7,255.00	7,200.20	7,235.77	7,166.87	23.96	25.12	-24.445	94.40	-846.49	195.41	147.46	47.95	4.075	
7,300.00	7,245.20	7,280.24	7,210.66	24.08	25.32	-23.410	94.79	-854.20	202.27	153.95	48.32	4.186	
7,351.00	7,296.18	7,330.63	7,260.28	24.22	25.55	-22.288	95.22	-862.94	210.03	161.30	48.73	4.310	
7,400.00	7,345.17	7,379.04	7,307.96	24.36	25.76	-19.061	95.64	-871.34	217.50	168.37	49.13	4.427	
7,446.00	7,391.17	7,424.48	7,352.71	24.48	25.96	-15.638	96.03	-879.22	224.56	175.06	49.50	4.537	
7,500.00	7,445.16	7,477.82	7,405.24	24.63	26.20	-15.313	96.49	-888.47	232.88	182.95	49.93	4.664	
7,541.00	7,486.15	7,518.32	7,445.12	24.74	26.38	-14.942	96.84	-895.50	239.20	188.94	50.26	4.759	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report

PERMIAN

RESOURCES

Company:	Permian Resources	Local Co-ordinate Reference:	Well Batman Fed Com 201H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3641.38usft (H&P 296)
Reference Site:	Batman	MD Reference:	RKB @ 3641.38usft (H&P 296)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ST01 / 71612	Database:	USA Compass
Reference Design:	Plan 3 03-03-23	Offset TVD Reference:	Reference Datum

Offset Design: Batman - Batman Fed Com 131H - OH / 71610 - Plan 2 01-20-23												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IFR1+MS												Offset Well Error:	1.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
7,600.00	7,545.14	7,576.60	7,502.52	24.90	26.64	-11.783	97.34	-905.60	248.30	197.57	50.73	4.895	
7,636.00	7,581.13	7,612.16	7,537.54	25.00	26.80	-9.878	97.65	-911.77	253.84	202.83	51.01	4.976	
7,700.00	7,645.13	7,675.37	7,599.79	25.17	27.08	-6.372	98.20	-922.74	263.74	212.23	51.52	5.120	
7,731.00	7,676.12	7,705.99	7,629.94	25.25	27.22	-4.440	98.46	-928.05	268.58	216.82	51.76	5.189	
7,800.00	7,745.11	7,774.11	7,697.03	25.42	27.52	-1.603	99.05	-939.86	279.40	227.10	52.30	5.343	
7,826.00	7,771.11	7,799.78	7,722.31	25.49	27.64	-0.459	99.27	-944.32	283.49	231.00	52.50	5.400	
7,900.00	7,845.10	7,872.83	7,794.25	25.67	27.96	0.665	99.90	-956.99	295.19	242.13	53.06	5.563	
7,921.00	7,866.10	7,893.56	7,814.66	25.73	28.06	0.995	100.08	-960.58	298.52	245.30	53.23	5.609	
8,000.00	7,945.09	7,971.54	7,891.46	25.92	28.40	4.712	100.75	-974.11	311.08	257.25	53.82	5.780	
8,016.00	7,961.09	7,987.33	7,907.01	25.96	28.48	5.481	100.89	-976.85	313.63	259.68	53.94	5.814	
8,100.00	8,045.08	8,070.26	7,988.68	26.17	28.85	4.502	101.60	-991.23	326.87	272.29	54.58	5.989	
8,112.00	8,057.08	8,082.11	8,000.35	26.20	28.90	4.402	101.70	-993.29	328.74	274.07	54.67	6.013	
8,200.00	8,145.07	8,169.01	8,085.93	26.42	29.29	14.761	102.45	-1,008.36	342.46	287.12	55.34	6.188	
8,207.00	8,152.07	8,175.93	8,092.74	26.43	29.32	15.581	102.51	-1,009.56	343.55	288.16	55.39	6.202	
8,300.00	8,245.06	8,267.73	8,183.14	26.64	29.73	20.236	103.31	-1,025.49	358.28	302.20	56.08	6.388	
8,303.00	8,248.05	8,270.69	8,186.06	26.65	29.74	20.430	103.33	-1,026.00	358.77	302.66	56.11	6.394	
8,398.00	8,343.05	8,364.45	8,278.40	26.87	30.16	16.384	104.14	-1,042.26	373.91	317.10	56.80	6.582	
8,400.00	8,345.04	8,366.43	8,280.34	26.87	30.17	16.390	104.16	-1,042.60	374.22	317.41	56.82	6.586	
8,493.00	8,438.03	8,458.23	8,370.75	27.09	30.59	19.178	104.95	-1,058.53	388.99	331.49	57.50	6.765	
8,500.00	8,445.03	8,465.14	8,377.55	27.10	30.62	20.009	105.01	-1,059.73	390.11	332.56	57.55	6.779	
8,589.00	8,534.03	8,552.95	8,464.03	27.29	31.01	32.763	105.77	-1,074.96	404.47	346.29	58.18	6.952	
8,600.00	8,545.03	8,563.80	8,474.72	27.31	31.06	31.308	105.86	-1,076.84	406.26	348.00	58.26	6.973	
8,684.00	8,629.02	8,646.69	8,556.35	27.48	31.43	22.903	106.57	-1,091.22	419.76	360.90	58.85	7.132	
8,700.00	8,645.01	8,662.48	8,571.90	27.51	31.50	26.274	106.71	-1,093.96	422.31	363.35	58.96	7.163	
8,780.00	8,725.01	8,741.37	8,649.59	27.64	31.86	60.684	107.39	-1,107.64	435.50	376.01	59.49	7.321	
8,800.00	8,745.01	8,761.08	8,669.00	27.65	31.95	67.861	107.56	-1,111.06	438.89	379.29	59.60	7.364	
8,875.00	8,820.00	8,834.95	8,741.75	27.69	32.28	83.923	108.20	-1,123.87	451.70	391.67	60.03	7.525	
8,900.00	8,845.00	8,859.57	8,765.99	27.69	32.39	88.532	108.41	-1,128.14	456.01	395.85	60.15	7.581	
8,970.00	8,914.99	8,928.48	8,833.85	27.68	32.70	101.359	109.01	-1,140.10	468.22	407.72	60.50	7.739	
9,000.00	8,944.99	8,958.00	8,862.92	27.66	32.83	99.554	109.26	-1,145.22	473.50	412.86	60.64	7.808	
9,066.00	9,010.98	9,022.96	8,926.89	27.64	33.13	95.725	109.82	-1,156.48	485.06	424.11	60.95	7.958	
9,100.00	9,044.98	9,056.42	8,959.85	27.64	33.28	92.364	110.11	-1,162.29	490.99	429.88	61.12	8.033	
9,161.00	9,105.97	9,116.48	9,019.00	27.64	33.55	87.377	110.63	-1,172.71	501.57	440.15	61.42	8.166	
9,200.00	9,144.97	9,154.88	9,056.82	27.65	33.72	84.069	110.96	-1,179.37	508.28	446.65	61.63	8.248	
9,256.00	9,200.96	9,210.04	9,111.13	27.67	33.97	79.102	111.43	-1,188.93	517.86	455.94	61.92	8.363	
9,300.00	9,244.95	9,253.39	9,153.83	27.70	34.16	71.666	111.81	-1,196.45	525.31	463.14	62.17	8.449	
9,351.00	9,295.95	9,303.66	9,203.33	27.75	34.39	62.229	112.24	-1,205.17	533.85	471.39	62.46	8.546	
9,400.00	9,344.94	9,351.98	9,250.92	27.83	34.61	45.785	112.66	-1,213.55	541.91	479.13	62.78	8.632	
9,446.00	9,390.93	9,397.37	9,295.62	27.91	34.81	31.962	113.05	-1,221.43	549.31	486.23	63.08	8.708	
9,500.00	9,444.93	9,451.80	9,349.22	28.03	35.05	31.231	113.52	-1,230.86	557.86	494.41	63.45	8.792	
9,541.00	9,485.92	9,496.71	9,393.50	28.12	35.25	30.749	113.89	-1,238.39	564.08	500.32	63.76	8.848	
9,600.00	9,544.91	9,561.44	9,457.40	28.16	35.53	-134.447	114.40	-1,248.63	573.08	509.00	64.09	8.943	
9,636.00	9,580.91	9,600.93	9,496.46	28.19	35.71	-141.648	114.70	-1,254.52	578.88	514.60	64.28	9.006	
9,700.00	9,644.89	9,671.30	9,566.13	28.09	36.01	-137.641	115.19	-1,264.35	588.94	524.47	64.47	9.136	
9,731.00	9,675.89	9,705.49	9,600.03	28.04	36.15	-135.562	115.41	-1,268.82	593.49	528.94	64.55	9.194	
9,800.00	9,744.87	9,781.81	9,675.78	28.01	36.47	-127.691	115.87	-1,278.07	602.83	538.03	64.80	9.302	
9,900.00	9,844.85	9,892.93	9,786.28	27.97	36.92	-115.161	116.45	-1,289.73	614.39	549.25	65.14	9.431	
9,921.00	9,865.84	9,916.33	9,809.58	27.96	37.01	-112.445	116.56	-1,291.91	616.52	551.31	65.21	9.455	
10,000.00	9,944.84	10,004.56	9,897.50	27.97	37.35	-91.339	116.92	-1,299.29	623.43	557.95	65.48	9.521	
10,017.00	9,961.83	10,023.58	9,916.47	27.97	37.42	-81.235	116.99	-1,300.70	624.69	559.15	65.54	9.532	
10,100.00	10,044.83	10,116.60	10,009.29	28.06	37.75	-64.953	117.29	-1,306.70	629.74	563.87	65.87	9.560	
10,112.00	10,056.83	10,130.06	10,022.74	28.07	37.80	-63.549	117.33	-1,307.44	630.33	564.41	65.92	9.562	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report

PERMIAN

RESOURCES

Company:	Permian Resources	Local Co-ordinate Reference:	Well Batman Fed Com 201H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3641.38usft (H&P 296)
Reference Site:	Batman	MD Reference:	RKB @ 3641.38usft (H&P 296)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ST01 / 71612	Database:	USA Compass
Reference Design:	Plan 3 03-03-23	Offset TVD Reference:	Reference Datum

Offset Design: Batman - Batman Fed Com 131H - OH / 71610 - Plan 2 01-20-23											Offset Site Error: 0.00 usft	
Survey Program: 0-MWD+IFR1+MS											Offset Well Error: 1.00 usft	
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)		
10,200.00	10,144.81	10,228.88	10,121.45	28.22	38.13	-57.709	117.55	-1,311.94	633.53	567.26	66.27	9.559
10,207.00	10,151.81	10,236.75	10,129.31	28.23	38.15	-57.413	117.57	-1,312.22	633.70	567.40	66.30	9.558
10,300.00	10,244.79	10,341.27	10,233.80	28.30	38.45	-105.715	117.70	-1,314.98	635.82	569.29	66.53	9.556
10,302.00	10,246.79	10,343.52	10,236.05	28.31	38.46	-106.868	117.70	-1,315.02	635.86	569.33	66.54	9.557
10,397.00	10,341.77	10,449.24	10,341.77	28.19	38.65	-168.988	117.75	-1,315.84	638.37	571.90	66.47	9.604
10,400.00	10,344.77	10,452.24	10,344.77	28.18	38.65	-168.990	117.75	-1,315.84	638.47	572.01	66.46	9.607
10,491.00	10,435.72	10,543.20	10,435.73	27.96	38.66	-168.752	117.74	-1,315.84	641.39	575.15	66.24	9.683
10,500.00	10,444.71	10,552.22	10,444.75	27.94	38.66	-170.036	117.60	-1,315.84	641.68	575.46	66.22	9.691
10,539.00	10,483.69	10,591.13	10,483.56	27.84	38.64	-176.053	115.06	-1,315.82	642.90	576.81	66.09	9.728
10,600.00	10,544.55	10,651.08	10,542.62	28.35	38.61	-107.183	104.98	-1,315.75	644.96	578.35	66.60	9.683
10,634.00	10,578.20	10,684.05	10,574.42	28.64	38.60	-101.070	96.31	-1,315.69	646.24	579.34	66.90	9.660
10,700.00	10,641.22	10,747.54	10,633.63	28.70	38.57	-100.235	73.53	-1,315.53	650.56	583.66	66.90	9.724
10,729.00	10,667.07	10,775.00	10,658.20	28.73	38.56	-99.688	61.28	-1,315.44	653.50	586.58	66.92	9.766
10,800.00	10,724.17	10,843.35	10,715.96	28.72	38.53	-96.240	24.85	-1,315.19	661.62	594.67	66.95	9.883
10,824.00	10,741.19	10,866.41	10,734.20	28.71	38.52	-95.488	10.74	-1,315.09	664.42	597.47	66.95	9.924
10,900.00	10,789.14	10,940.37	10,787.75	28.68	38.50	-94.143	-40.18	-1,314.73	672.89	605.95	66.94	10.052
10,919.00	10,799.85	10,959.12	10,800.02	28.67	38.50	-93.873	-54.35	-1,314.63	674.85	607.92	66.93	10.083
11,000.00	10,841.64	11,040.21	10,846.35	28.67	38.49	-92.648	-120.78	-1,314.16	681.81	614.89	66.92	10.188
11,014.00	10,848.30	11,054.34	10,853.24	28.67	38.49	-92.417	-133.11	-1,314.08	682.74	615.82	66.92	10.202
11,050.00	10,864.80	11,090.70	10,869.26	29.07	38.50	-91.359	-165.74	-1,313.85	684.48	617.51	66.96	10.222
11,060.00	10,869.23	11,100.78	10,873.26	29.08	38.50	-91.059	-174.99	-1,313.78	684.76	617.79	66.97	10.225
11,090.00	10,882.45	11,130.83	10,884.00	29.09	38.50	-91.468	-203.05	-1,313.59	685.83	618.82	67.01	10.234
11,100.00	10,886.84	11,140.75	10,887.16	29.10	38.51	-91.344	-212.46	-1,313.52	686.30	619.27	67.03	10.238
11,120.00	10,895.46	11,160.45	10,892.85	29.11	38.51	-91.061	-231.31	-1,313.39	687.25	620.17	67.08	10.245
11,200.00	10,929.51	11,236.03	10,907.34	29.16	38.54	-89.529	-305.41	-1,312.87	691.42	624.01	67.41	10.257
11,220.00	10,938.02	11,253.87	10,909.04	29.17	38.55	-89.031	-323.17	-1,312.74	692.62	625.10	67.52	10.258
11,250.00	10,950.25	11,279.93	10,910.32	29.19	38.56	-87.746	-349.19	-1,312.56	694.37	626.68	67.70	10.257
11,300.00	10,968.18	11,326.58	10,911.05	29.24	38.59	-85.732	-395.84	-1,312.23	696.67	628.68	67.98	10.248
11,320.00	10,974.47	11,345.66	10,911.34	29.25	38.61	-85.037	-414.91	-1,312.10	697.29	629.21	68.09	10.241
11,350.00	10,982.78	11,374.61	10,911.79	29.28	38.63	-84.100	-443.86	-1,311.90	697.84	629.61	68.23	10.228
11,400.00	10,993.20	11,423.62	10,912.54	29.33	38.67	-83.032	-492.87	-1,311.55	697.47	629.02	68.45	10.190
11,450.00	10,999.26	11,473.25	10,913.30	29.39	38.72	-82.597	-542.48	-1,311.20	695.39	626.75	68.64	10.131
11,488.75	11,000.93	11,511.86	10,913.00	29.43	38.76	-82.707	-581.09	-1,310.93	692.53	623.77	68.76	10.072
11,500.00	11,001.03	11,523.07	10,914.07	29.45	38.77	-82.703	-592.29	-1,310.85	691.54	622.75	68.79	10.053
11,513.75	11,001.15	11,536.76	10,914.28	29.46	38.78	-82.698	-605.99	-1,310.76	690.33	621.50	68.83	10.029
11,600.00	11,001.90	11,622.78	10,915.60	29.59	38.88	-82.710	-691.99	-1,310.15	684.04	614.93	69.11	9.898
11,700.00	11,002.77	11,722.69	10,917.14	29.77	39.00	-82.751	-791.89	-1,309.45	679.96	610.50	69.46	9.789
11,763.70	11,003.33	11,786.38	10,918.12	29.87	39.09	-82.791	-855.57	-1,309.01	679.17	609.48	69.69	9.745
11,800.00	11,003.65	11,822.68	10,918.67	29.94	39.15	-82.811	-891.87	-1,308.75	679.12	609.29	69.83	9.726
11,900.00	11,004.52	11,922.68	10,920.21	30.13	39.30	-82.867	-991.85	-1,308.05	678.98	608.75	70.23	9.668
12,000.00	11,005.39	12,022.68	10,921.75	30.33	39.47	-82.922	-1,091.83	-1,307.35	678.84	608.18	70.66	9.607
12,100.00	11,006.26	12,122.68	10,923.29	30.55	39.66	-82.977	-1,191.82	-1,306.65	678.70	607.58	71.12	9.543
12,200.00	11,007.13	12,222.67	10,924.82	30.79	39.86	-83.032	-1,291.80	-1,305.94	678.56	606.96	71.61	9.476
12,300.00	11,008.00	12,322.67	10,926.36	31.04	40.07	-83.088	-1,391.79	-1,305.24	678.43	606.30	72.13	9.406
12,400.00	11,008.87	12,422.67	10,927.90	31.31	40.30	-83.143	-1,491.77	-1,304.54	678.29	605.62	72.67	9.333
12,500.00	11,009.74	12,522.67	10,929.44	31.59	40.54	-83.198	-1,591.75	-1,303.84	678.15	604.90	73.25	9.258
12,600.00	11,010.61	12,622.66	10,930.97	31.89	40.79	-83.254	-1,691.74	-1,303.14	678.02	604.17	73.85	9.181
12,700.00	11,011.48	12,722.66	10,932.51	32.20	41.06	-83.309	-1,791.72	-1,302.43	677.88	603.41	74.48	9.102
12,800.00	11,012.35	12,822.66	10,934.05	32.53	41.34	-83.364	-1,891.70	-1,301.73	677.75	602.62	75.13	9.021
12,900.00	11,013.23	12,922.66	10,935.59	32.87	41.63	-83.420	-1,991.69	-1,301.03	677.61	601.81	75.81	8.939
13,000.00	11,014.10	13,022.66	10,937.12	33.22	41.93	-83.475	-2,091.67	-1,300.33	677.48	600.97	76.51	8.855
13,100.00	11,014.97	13,122.65	10,938.66	33.59	42.25	-83.531	-2,191.65	-1,299.63	677.35	600.11	77.23	8.770

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report

PERMIAN

RESOURCES

Company:	Permian Resources	Local Co-ordinate Reference:	Well Batman Fed Com 201H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3641.38usft (H&P 296)
Reference Site:	Batman	MD Reference:	RKB @ 3641.38usft (H&P 296)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ST01 / 71612	Database:	USA Compass
Reference Design:	Plan 3 03-03-23	Offset TVD Reference:	Reference Datum

Offset Design: Batman - Batman Fed Com 131H - OH / 71610 - Plan 2 01-20-23											Offset Site Error: 0.00 usft	
Survey Program: 0-MWD+IFR1+MS											Offset Well Error: 1.00 usft	
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)		
13,200.00	11,015.84	13,222.65	10,940.20	33.97	42.58	83.586	-2,291.64	-1,298.93	677.21	599.23	77.98	8.684
13,300.00	11,016.71	13,322.98	10,941.82	34.37	42.92	83.648	-2,391.95	-1,298.22	677.07	598.33	78.74	8.598
13,400.00	11,017.58	13,422.98	10,943.80	34.77	43.26	83.741	-2,491.93	-1,297.52	676.90	597.37	79.52	8.512
13,500.00	11,018.45	13,522.97	10,945.79	35.19	43.62	83.835	-2,591.90	-1,296.82	676.72	596.39	80.32	8.425
13,600.00	11,019.32	13,622.97	10,947.77	35.62	43.99	83.928	-2,691.87	-1,296.12	676.54	595.40	81.14	8.338
13,700.00	11,020.19	13,722.96	10,949.75	36.06	44.37	84.021	-2,791.84	-1,295.41	676.37	594.39	81.98	8.250
13,800.00	11,021.06	13,822.95	10,951.74	36.52	44.76	84.114	-2,891.81	-1,294.71	676.19	593.36	82.83	8.163
13,900.00	11,021.94	13,922.95	10,953.72	36.98	45.16	84.208	-2,991.78	-1,294.01	676.02	592.32	83.71	8.076
14,000.00	11,022.81	14,022.94	10,955.71	37.45	45.57	84.301	-3,091.76	-1,293.31	675.85	591.26	84.60	7.989
14,100.00	11,023.68	14,122.93	10,957.69	37.94	45.99	84.395	-3,191.73	-1,292.61	675.69	590.18	85.51	7.902
14,200.00	11,024.55	14,222.93	10,959.68	38.43	46.42	84.488	-3,291.70	-1,291.91	675.52	589.09	86.43	7.816
14,300.00	11,025.42	14,322.92	10,961.66	38.93	46.85	84.582	-3,391.67	-1,291.20	675.36	587.99	87.37	7.730
14,400.00	11,026.29	14,422.92	10,963.65	39.44	47.30	84.676	-3,491.64	-1,290.50	675.20	586.88	88.32	7.645
14,500.00	11,027.16	14,522.91	10,965.63	39.96	47.75	84.769	-3,591.61	-1,289.80	675.04	585.75	89.29	7.560
14,600.00	11,028.03	14,622.90	10,967.62	40.48	48.21	84.863	-3,691.59	-1,289.10	674.88	584.61	90.27	7.476
14,700.00	11,028.90	14,722.90	10,969.60	41.02	48.67	84.957	-3,791.56	-1,288.40	674.72	583.46	91.26	7.393
14,800.00	11,029.77	14,822.89	10,971.59	41.56	49.15	85.051	-3,891.53	-1,287.69	674.57	582.30	92.27	7.311
14,900.00	11,030.64	14,922.89	10,973.57	42.11	49.63	85.144	-3,991.50	-1,286.99	674.41	581.12	93.29	7.229
15,000.00	11,031.52	15,022.88	10,975.56	42.67	50.12	85.238	-4,091.47	-1,286.29	674.26	579.94	94.32	7.148
15,100.00	11,032.39	15,122.87	10,977.54	43.23	50.62	85.332	-4,191.44	-1,285.59	674.11	578.75	95.37	7.069
15,200.00	11,033.26	15,222.87	10,979.53	43.80	51.12	85.426	-4,291.42	-1,284.89	673.97	577.54	96.42	6.990
15,300.00	11,034.13	15,322.86	10,981.51	44.37	51.63	85.520	-4,391.39	-1,284.19	673.82	576.33	97.49	6.912
15,400.00	11,035.00	15,422.85	10,983.49	44.95	52.14	85.614	-4,491.36	-1,283.48	673.68	575.11	98.57	6.835
15,500.00	11,035.87	15,522.85	10,985.48	45.54	52.66	85.709	-4,591.33	-1,282.78	673.54	573.88	99.65	6.759
15,600.00	11,036.74	15,622.84	10,987.46	46.13	53.19	85.803	-4,691.30	-1,282.08	673.40	572.65	100.75	6.684
15,700.00	11,037.61	15,722.84	10,989.45	46.73	53.72	85.897	-4,791.27	-1,281.38	673.26	571.40	101.86	6.610
15,800.00	11,038.48	15,822.83	10,991.43	47.33	54.26	85.991	-4,891.25	-1,280.68	673.12	570.15	102.97	6.537
15,900.00	11,039.35	15,922.82	10,993.42	47.94	54.80	86.085	-4,991.22	-1,279.97	672.99	568.89	104.10	6.465
16,000.00	11,040.23	16,022.82	10,995.40	48.55	55.35	86.180	-5,091.19	-1,279.27	672.85	567.62	105.23	6.394
16,100.00	11,041.10	16,122.81	10,997.39	49.17	55.91	86.274	-5,191.16	-1,278.57	672.72	566.35	106.37	6.324
16,200.00	11,041.97	16,222.80	10,999.37	49.79	56.46	86.368	-5,291.13	-1,277.87	672.59	565.07	107.52	6.255
16,300.00	11,042.84	16,322.80	11,001.36	50.42	57.03	86.463	-5,391.10	-1,277.17	672.47	563.79	108.68	6.188
16,400.00	11,043.71	16,422.79	11,003.34	51.04	57.60	86.557	-5,491.07	-1,276.47	672.34	562.50	109.85	6.121
16,500.00	11,044.58	16,522.79	11,005.33	51.68	58.17	86.652	-5,591.05	-1,275.76	672.22	561.20	111.02	6.055
16,600.00	11,045.45	16,622.78	11,007.31	52.31	58.74	86.746	-5,691.02	-1,275.06	672.10	559.90	112.20	5.990
16,700.00	11,046.32	16,722.77	11,009.30	52.95	59.33	86.841	-5,790.99	-1,274.36	671.98	558.59	113.38	5.927
16,800.00	11,047.19	16,822.77	11,011.28	53.60	59.91	86.935	-5,890.96	-1,273.66	671.86	557.28	114.58	5.864
16,900.00	11,048.06	16,922.76	11,013.27	54.24	60.50	87.030	-5,990.93	-1,272.96	671.74	555.97	115.78	5.802
17,000.00	11,048.93	17,022.75	11,015.25	54.89	61.09	87.125	-6,090.90	-1,272.26	671.63	554.65	116.98	5.741
17,100.00	11,049.81	17,122.75	11,017.24	55.55	61.69	87.219	-6,190.88	-1,271.55	671.52	553.32	118.19	5.681
17,200.00	11,050.68	17,222.74	11,019.22	56.20	62.29	87.314	-6,290.85	-1,270.85	671.40	551.99	119.41	5.623
17,300.00	11,051.55	17,322.74	11,021.20	56.86	62.90	87.409	-6,390.82	-1,270.15	671.30	550.66	120.64	5.565
17,400.00	11,052.42	17,422.73	11,023.19	57.52	63.50	87.503	-6,490.79	-1,269.45	671.19	549.32	121.86	5.508
17,500.00	11,053.29	17,522.72	11,025.17	58.19	64.11	87.598	-6,590.76	-1,268.75	671.08	547.98	123.10	5.452
17,600.00	11,054.16	17,622.72	11,027.16	58.86	64.73	87.693	-6,690.73	-1,268.04	670.98	546.64	124.34	5.396
17,700.00	11,055.03	17,722.71	11,029.14	59.53	65.35	87.788	-6,790.71	-1,267.34	670.88	545.29	125.58	5.342
17,800.00	11,055.90	17,822.70	11,031.13	60.20	65.97	87.883	-6,890.68	-1,266.64	670.78	543.95	126.83	5.289
17,900.00	11,056.77	17,922.70	11,033.11	60.87	66.59	87.978	-6,990.65	-1,265.94	670.68	542.59	128.09	5.236
18,000.00	11,057.64	18,022.69	11,035.10	61.55	67.22	88.073	-7,090.62	-1,265.24	670.58	541.24	129.35	5.184
18,100.00	11,058.52	18,122.69	11,037.08	62.23	67.85	88.168	-7,190.59	-1,264.54	670.49	539.88	130.61	5.134
18,200.00	11,059.39	18,222.68	11,039.07	62.91	68.48	88.263	-7,290.56	-1,263.83	670.40	538.52	131.88	5.084
18,300.00	11,060.26	18,322.67	11,041.05	63.59	69.11	88.358	-7,390.54	-1,263.13	670.31	537.16	133.15	5.034

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report

PERMIAN

RESOURCES

Company:	Permian Resources	Local Co-ordinate Reference:	Well Batman Fed Com 201H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3641.38usft (H&P 296)
Reference Site:	Batman	MD Reference:	RKB @ 3641.38usft (H&P 296)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ST01 / 71612	Database:	USA Compass
Reference Design:	Plan 3 03-03-23	Offset TVD Reference:	Reference Datum

Offset Design: Batman - Batman Fed Com 131H - OH / 71610 - Plan 2 01-20-23												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IFR1+MS												Offset Well Error:	1.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
18,400.00	11,061.13	18,422.45	11,042.24	64.27	69.75	88.385	-7,490.30	-1,262.43	670.24	535.78	134.46	4.985	
18,500.00	11,062.00	18,522.45	11,043.03	64.96	70.39	88.377	-7,590.29	-1,261.73	670.18	534.39	135.80	4.935	
18,600.00	11,062.87	18,622.45	11,043.81	65.65	71.03	88.370	-7,690.29	-1,261.03	670.13	532.99	137.14	4.887	
18,700.00	11,063.74	18,722.45	11,044.60	66.34	71.68	88.362	-7,790.28	-1,260.32	670.07	531.59	138.48	4.839	
18,800.00	11,064.61	18,822.45	11,045.38	67.03	72.32	88.355	-7,890.28	-1,259.62	670.02	530.19	139.83	4.792	
18,900.00	11,065.48	18,922.45	11,046.17	67.72	72.97	88.348	-7,990.27	-1,258.92	669.96	528.78	141.19	4.745	
19,000.00	11,066.35	19,022.45	11,046.95	68.42	73.63	88.340	-8,090.26	-1,258.22	669.91	527.36	142.54	4.700	
19,100.00	11,067.23	19,122.45	11,047.74	69.12	74.28	88.333	-8,190.26	-1,257.52	669.85	525.95	143.90	4.655	
19,200.00	11,068.10	19,222.45	11,048.53	69.82	74.94	88.325	-8,290.25	-1,256.81	669.80	524.53	145.27	4.611	
19,300.00	11,068.97	19,322.45	11,049.31	70.51	75.60	88.318	-8,390.25	-1,256.11	669.74	523.11	146.64	4.567	
19,400.00	11,069.84	19,422.45	11,050.10	71.22	76.26	88.310	-8,490.24	-1,255.41	669.69	521.68	148.01	4.525	
19,500.00	11,070.71	19,522.45	11,050.88	71.92	76.92	88.303	-8,590.24	-1,254.71	669.63	520.25	149.38	4.483	
19,600.00	11,071.58	19,622.45	11,051.67	72.62	77.58	88.296	-8,690.23	-1,254.01	669.58	518.82	150.76	4.441	
19,700.00	11,072.45	19,722.45	11,052.45	73.33	78.25	88.288	-8,790.22	-1,253.30	669.52	517.38	152.14	4.401	
19,800.00	11,073.32	19,822.45	11,053.24	74.03	78.92	88.281	-8,890.22	-1,252.60	669.46	515.94	153.52	4.361	
19,900.00	11,074.19	19,922.45	11,054.03	74.74	79.59	88.273	-8,990.21	-1,251.90	669.41	514.50	154.91	4.321	
20,000.00	11,075.06	20,022.45	11,054.81	75.45	80.26	88.266	-9,090.21	-1,251.20	669.35	513.06	156.30	4.283	
20,100.00	11,075.93	20,122.45	11,055.60	76.16	80.93	88.258	-9,190.20	-1,250.49	669.30	511.61	157.69	4.244	
20,200.00	11,076.81	20,222.45	11,056.38	76.87	81.61	88.251	-9,290.20	-1,249.79	669.24	510.16	159.09	4.207	
20,300.00	11,077.68	20,322.45	11,057.17	77.58	82.29	88.243	-9,390.19	-1,249.09	669.19	508.70	160.48	4.170	
20,400.00	11,078.55	20,422.45	11,057.95	78.30	82.96	88.236	-9,490.19	-1,248.39	669.13	507.25	161.88	4.133	
20,500.00	11,079.42	20,522.45	11,058.74	79.01	83.64	88.229	-9,590.18	-1,247.69	669.08	505.79	163.29	4.098	
20,600.00	11,080.29	20,622.45	11,059.52	79.73	84.33	88.221	-9,690.17	-1,246.98	669.02	504.33	164.69	4.062	
20,700.00	11,081.16	20,722.45	11,060.31	80.44	85.01	88.214	-9,790.17	-1,246.28	668.97	502.87	166.10	4.028	
20,800.00	11,082.03	20,822.45	11,061.10	81.16	85.69	88.206	-9,890.16	-1,245.58	668.91	501.40	167.51	3.993	
20,900.00	11,082.90	20,922.26	11,061.46	81.88	86.37	88.163	-9,989.98	-1,244.88	668.87	499.93	168.94	3.959	
21,000.00	11,083.77	21,022.26	11,061.44	82.60	87.06	88.086	-10,089.97	-1,244.18	668.84	498.45	170.39	3.925	
21,100.00	11,084.64	21,122.26	11,061.41	83.32	87.75	88.009	-10,189.97	-1,243.48	668.82	496.97	171.85	3.892	
21,200.00	11,085.52	21,222.25	11,061.39	84.04	88.44	87.932	-10,289.96	-1,242.78	668.79	495.48	173.31	3.859	
21,232.73	11,085.80	21,254.98	11,061.38	84.28	88.66	87.907	-10,322.69	-1,242.55	668.78	495.00	173.79	3.848	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report

PERMIAN

RESOURCES

Company:	Permian Resources	Local Co-ordinate Reference:	Well Batman Fed Com 201H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3641.38usft (H&P 296)
Reference Site:	Batman	MD Reference:	RKB @ 3641.38usft (H&P 296)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ST01 / 71612	Database:	USA Compass
Reference Design:	Plan 3 03-03-23	Offset TVD Reference:	Reference Datum

Offset Design: Batman - Batman Fed Com 131H - OH / 71610 - Surveys (H&P 296)													Offset Site Error: 0.00 usft
Survey Program: 177-MWD+IFR1+MS													Offset Well Error: 1.00 usft
Reference	Offset	Semi Major Axis		Distance		Rule Assigned:		Warning					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	0.00	0.52	1.00	1.00	-90.619	-0.32	-30.01	30.01				
100.00	100.00	99.40	99.92	1.27	1.34	6.188	-0.35	-30.14	30.02	27.41	2.61	11.499	
178.00	178.00	177.34	177.86	1.89	1.88	6.137	-0.41	-30.42	30.03	26.26	3.77	7.962	
200.00	200.00	199.36	199.87	1.96	1.94	10.217	-0.44	-30.51	30.03	26.13	3.90	7.699	
261.00	261.00	260.39	260.91	2.14	2.13	19.896	-0.61	-30.73	29.97	25.70	4.27	7.024	
300.00	300.00	299.37	299.89	2.25	2.24	10.631	-0.78	-30.85	29.89	25.41	4.48	6.665	
345.00	345.00	344.35	344.86	2.38	2.37	2.887	-1.01	-31.03	29.78	25.04	4.74	6.284	
400.00	400.00	399.36	399.88	2.54	2.52	-0.383	-1.31	-31.26	29.62	24.59	5.03	5.885	
429.00	428.99	428.37	428.88	2.62	2.60	-2.120	-1.47	-31.36	29.53	24.34	5.19	5.690	
500.00	499.99	499.38	499.89	2.81	2.79	20.899	-1.89	-31.60	29.34	23.79	5.55	5.284	
514.00	513.99	513.38	513.90	2.84	2.82	26.612	-1.98	-31.64	29.32	23.69	5.63	5.211	
598.00	597.99	597.45	597.96	3.06	3.04	43.774	-2.53	-31.80	29.08	23.06	6.02	4.832	
600.00	599.99	599.45	599.96	3.06	3.04	43.768	-2.54	-31.80	29.08	23.05	6.03	4.823	
695.00	694.99	694.46	694.97	3.33	3.31	19.680	-3.12	-31.86	28.73	22.21	6.53	4.402	
700.00	699.99	699.46	699.97	3.34	3.32	22.292	-3.15	-31.86	28.72	22.17	6.55	4.384	
790.00	789.99	789.50	790.01	3.57	3.56	67.631	-3.72	-31.82	28.46	21.49	6.97	4.084	
800.00	799.99	799.50	800.01	3.60	3.58	64.791	-3.79	-31.80	28.43	21.42	7.01	4.055	
885.00	884.99	884.50	885.00	3.81	3.79	44.938	-4.34	-31.71	28.10	20.72	7.38	3.808	
900.00	899.99	899.49	900.00	3.84	3.83	48.518	-4.43	-31.69	28.02	20.59	7.44	3.767	
980.00	979.99	979.46	979.96	4.04	4.02	70.096	-4.85	-31.68	27.81	20.04	7.77	3.578	
1,000.00	999.99	999.45	999.95	4.08	4.07	61.518	-4.94	-31.69	27.79	19.93	7.85	3.537	
1,075.00	1,074.98	1,074.42	1,074.92	4.26	4.26	23.267	-5.27	-31.80	27.65	19.48	8.17	3.384	
1,100.00	1,099.98	1,099.42	1,099.93	4.32	4.32	32.299	-5.38	-31.84	27.58	19.30	8.28	3.332	
1,170.00	1,169.98	1,169.45	1,169.95	4.49	4.49	50.034	-5.64	-31.93	27.35	18.78	8.57	3.190	
1,200.00	1,199.98	1,199.44	1,199.94	4.57	4.56	41.778	-5.73	-31.97	27.23	18.54	8.70	3.132	
1,265.00	1,264.98	1,264.41	1,264.91	4.73	4.71	23.900	-5.93	-32.09	26.96	17.99	8.96	3.007	
1,300.00	1,299.98	1,299.42	1,299.92	4.81	4.79	22.532	-6.04	-32.16	26.78	17.67	9.11	2.940	
1,360.00	1,359.98	1,359.44	1,359.94	4.96	4.92	20.236	-6.24	-32.25	26.43	17.07	9.37	2.822	
1,400.00	1,399.98	1,399.46	1,399.96	5.06	5.02	21.328	-6.39	-32.27	26.21	16.67	9.54	2.748	
1,462.00	1,461.98	1,461.48	1,461.98	5.21	5.18	27.614	-6.74	-32.25	25.99	16.18	9.81	2.648	
1,500.00	1,499.98	1,499.46	1,499.95	5.29	5.26	-4.161	-7.02	-32.23	25.89	15.94	9.95	2.602	
1,549.00	1,548.97	1,548.41	1,548.91	5.38	5.36	-20.556	-7.48	-32.25	25.75	15.62	10.14	2.540	
1,573.80	1,573.77	1,573.21	1,573.70	5.41	5.42	-46.893	-7.75	-32.29	25.72	15.49	10.23	2.515 CC	
1,600.00	1,599.97	1,599.40	1,599.89	5.44	5.49	-88.362	-8.02	-32.32	25.76	15.44	10.32	2.496 ES	
1,644.00	1,643.97	1,643.38	1,643.88	5.49	5.60	-129.253	-8.47	-32.40	26.01	15.53	10.48	2.482 SF	
1,700.00	1,699.97	1,699.54	1,700.03	5.50	5.71	-155.332	-8.96	-32.36	26.42	15.81	10.61	2.491	
1,740.00	1,739.97	1,739.65	1,740.14	5.51	5.79	-167.026	-9.23	-32.12	26.64	15.94	10.69	2.491	
1,800.00	1,799.96	1,799.68	1,800.16	5.52	5.89	-164.149	-9.57	-31.61	26.94	16.16	10.78	2.499	
1,835.00	1,834.96	1,834.70	1,835.18	5.52	5.94	-163.114	-9.76	-31.28	27.15	16.31	10.83	2.506	
1,900.00	1,899.96	1,899.35	1,899.83	5.54	6.06	-172.208	-10.03	-31.08	27.91	16.95	10.96	2.547	
1,930.00	1,929.95	1,929.19	1,929.67	5.55	6.11	-176.811	-10.10	-31.28	28.50	17.49	11.01	2.589	
2,000.00	1,999.95	1,998.91	1,999.39	5.57	6.21	-177.767	-10.17	-32.29	30.42	19.26	11.16	2.725	
2,025.00	2,024.94	2,023.81	2,024.27	5.58	6.25	-177.884	-10.16	-32.81	31.28	20.07	11.21	2.790	
2,100.00	2,099.94	2,098.43	2,098.86	5.61	6.35	-174.118	-9.81	-34.93	34.33	22.96	11.37	3.019	
2,120.00	2,119.93	2,118.31	2,118.74	5.62	6.37	-172.891	-9.63	-35.65	35.26	23.85	11.41	3.090	
2,200.00	2,199.93	2,197.96	2,198.31	5.70	6.47	-80.177	-8.61	-38.97	38.80	27.18	11.62	3.339	
2,216.00	2,215.93	2,213.89	2,214.22	5.71	6.49	-55.493	-8.36	-39.71	39.44	27.78	11.66	3.383	
2,300.00	2,299.92	2,297.42	2,297.61	5.85	6.59	-30.491	-6.79	-44.13	42.39	30.44	11.96	3.546	
2,311.00	2,310.91	2,308.35	2,308.52	5.87	6.61	-29.617	-6.54	-44.78	42.72	30.72	11.99	3.562	
2,400.00	2,399.83	2,396.94	2,396.89	6.07	6.73	-27.302	-4.02	-50.55	44.74	32.39	12.35	3.622	
2,406.00	2,405.82	2,402.92	2,402.85	6.08	6.74	-27.157	-3.81	-50.97	44.83	32.46	12.38	3.622	
2,500.00	2,499.59	2,496.25	2,495.81	6.30	6.87	-22.297	0.02	-58.29	45.92	33.15	12.77	3.597	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report

PERMIAN

RESOURCES

Company:	Permian Resources	Local Co-ordinate Reference:	Well Batman Fed Com 201H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3641.38usft (H&P 296)
Reference Site:	Batman	MD Reference:	RKB @ 3641.38usft (H&P 296)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ST01 / 71612	Database:	USA Compass
Reference Design:	Plan 3 03-03-23	Offset TVD Reference:	Reference Datum

Offset Design: Batman - Batman Fed Com 131H - OH / 71610 - Surveys (H&P 296)													Offset Site Error: 0.00 usft
Survey Program: 177-MWD+IFR1+MS													Offset Well Error: 1.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance		Rule Assigned:		Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
2,501.00	2,500.59	2,497.24	2,496.80	6.30	6.87	-22.250	0.06	-58.37	45.92	33.15	12.77	3.596	
2,597.00	2,596.19	2,592.91	2,591.94	6.54	7.01	-19.148	5.19	-66.97	46.17	32.99	13.18	3.503	
2,600.00	2,599.18	2,595.90	2,594.91	6.55	7.02	-19.042	5.37	-67.25	46.16	32.97	13.19	3.499	
2,692.00	2,690.69	2,688.12	2,686.57	6.78	7.16	-15.753	11.01	-75.62	45.59	31.99	13.60	3.353	
2,700.00	2,698.65	2,696.13	2,694.54	6.80	7.18	-15.783	11.49	-76.33	45.51	31.88	13.63	3.338	
2,787.00	2,785.19	2,783.12	2,781.03	7.03	7.33	-16.177	17.02	-83.90	44.85	30.83	14.02	3.198	
2,800.00	2,798.12	2,796.08	2,793.91	7.06	7.35	-15.298	17.88	-85.03	44.76	30.68	14.09	3.178	
2,882.00	2,879.59	2,877.75	2,875.04	7.29	7.50	-9.819	23.50	-92.39	43.83	29.37	14.46	3.031	
2,900.00	2,897.46	2,895.56	2,892.73	7.35	7.54	-7.957	24.78	-94.08	43.55	29.01	14.55	2.994	
2,978.00	2,974.77	2,972.61	2,969.13	7.59	7.71	-0.003	30.41	-102.33	42.68	27.78	14.91	2.863	
2,996.42	2,993.01	2,990.71	2,987.05	7.64	7.76	1.340	31.76	-104.51	42.61	27.61	15.00	2.841	
3,000.00	2,996.56	2,994.23	2,990.53	7.65	7.77	1.598	32.02	-104.95	42.61	27.59	15.01	2.838	
3,073.00	3,068.84	3,065.83	3,061.20	7.89	8.00	6.418	37.35	-115.12	43.93	28.55	15.38	2.856	
3,100.00	3,095.57	3,092.47	3,087.41	7.97	8.09	6.668	39.28	-119.47	45.01	29.49	15.52	2.900	
3,168.00	3,162.96	3,159.70	3,153.43	8.19	8.31	5.228	43.28	-131.49	48.80	32.88	15.92	3.065	
3,200.00	3,194.68	3,191.59	3,184.70	8.30	8.42	7.261	44.71	-137.64	50.94	34.78	16.15	3.154	
3,263.00	3,257.10	3,254.60	3,246.45	8.51	8.64	10.498	46.45	-150.07	54.86	38.24	16.63	3.300	
3,300.00	3,293.74	3,291.81	3,282.90	8.63	8.77	12.021	46.88	-157.48	56.94	40.02	16.92	3.365	
3,358.00	3,351.12	3,350.26	3,340.24	8.83	8.98	14.384	47.08	-168.83	59.55	42.18	17.37	3.428	
3,400.00	3,392.66	3,392.53	3,381.75	8.98	9.13	15.017	46.94	-176.81	61.17	43.47	17.70	3.456	
3,453.00	3,445.12	3,445.87	3,434.17	9.17	9.33	16.039	46.57	-186.63	63.26	45.15	18.11	3.493	
3,500.00	3,491.65	3,492.94	3,480.47	9.34	9.51	15.071	46.11	-195.13	64.95	46.47	18.48	3.515	
3,548.00	3,539.12	3,541.00	3,527.74	9.51	9.69	14.122	45.56	-203.77	66.32	47.48	18.85	3.519	
3,600.00	3,590.47	3,593.24	3,579.15	9.71	9.88	13.208	44.85	-213.06	67.24	47.97	19.27	3.489	
3,644.00	3,633.84	3,637.49	3,622.71	9.88	10.05	12.478	44.13	-220.77	67.37	47.75	19.63	3.433	
3,670.59	3,660.04	3,663.88	3,648.70	9.98	10.16	12.628	43.69	-225.35	67.31	47.48	19.84	3.394	
3,700.00	3,689.00	3,692.94	3,677.30	10.09	10.27	12.876	43.28	-230.51	67.39	47.33	20.06	3.359	
3,739.00	3,727.42	3,731.48	3,715.19	10.24	10.42	13.339	42.86	-237.56	67.75	47.40	20.36	3.328	
3,800.00	3,787.47	3,792.41	3,775.04	10.48	10.66	11.783	42.31	-248.95	68.40	47.56	20.84	3.282	
3,834.00	3,820.91	3,826.42	3,808.44	10.61	10.79	10.862	41.96	-255.31	68.57	47.45	21.12	3.247	
3,900.00	3,885.76	3,892.79	3,873.66	10.87	11.06	7.607	41.11	-267.58	68.33	46.64	21.69	3.151	
3,929.00	3,914.23	3,921.96	3,902.35	10.99	11.17	6.057	40.65	-272.86	67.92	45.97	21.94	3.095	
4,000.00	3,983.87	3,992.52	3,971.72	11.27	11.46	-0.396	39.54	-285.71	66.75	44.17	22.58	2.957	
4,024.00	4,007.40	4,016.34	3,995.12	11.37	11.56	-2.727	39.23	-290.15	66.43	43.63	22.79	2.914	
4,098.02	4,079.94	4,089.36	4,066.75	11.68	11.86	-8.274	38.79	-304.28	65.94	42.50	23.45	2.812	
4,100.00	4,081.87	4,091.31	4,068.66	11.68	11.86	-8.417	38.80	-304.67	65.94	42.48	23.47	2.810	
4,119.00	4,100.48	4,110.04	4,087.01	11.76	11.94	-9.780	38.87	-308.46	65.98	42.35	23.63	2.793	
4,200.00	4,179.76	4,190.71	4,165.94	12.10	12.28	-12.440	39.57	-325.13	66.45	42.12	24.33	2.731	
4,214.00	4,193.46	4,204.67	4,179.59	12.15	12.34	-12.885	39.71	-328.04	66.55	42.10	24.45	2.722	
4,300.00	4,277.54	4,290.04	4,263.01	12.52	12.70	-16.945	40.72	-346.16	67.36	42.20	25.16	2.677	
4,310.00	4,287.31	4,299.96	4,272.69	12.56	12.74	-17.418	40.85	-348.31	67.49	42.25	25.24	2.674	
4,400.00	4,375.41	4,389.73	4,360.26	12.94	13.12	-21.022	42.10	-367.99	69.70	43.76	25.94	2.687	
4,405.00	4,380.31	4,394.72	4,365.13	12.96	13.14	-21.217	42.17	-369.09	69.88	43.90	25.98	2.690	
4,500.00	4,473.56	4,488.83	4,456.82	13.35	13.55	-22.693	43.59	-390.24	74.17	47.49	26.68	2.780	
4,595.00	4,566.84	4,583.88	4,549.27	13.75	13.96	-24.322	45.83	-412.20	79.11	51.69	27.43	2.884	
4,600.00	4,571.75	4,588.89	4,554.15	13.77	13.98	-24.400	45.99	-413.36	79.35	51.88	27.47	2.889	
4,690.00	4,660.33	4,678.91	4,641.71	14.17	14.37	-25.251	49.23	-434.02	84.88	56.65	28.24	3.006	
4,700.00	4,670.20	4,688.91	4,651.43	14.21	14.42	-25.308	49.64	-436.31	85.62	57.30	28.32	3.023	
4,785.00	4,754.02	4,775.42	4,735.73	14.56	14.79	-25.853	53.44	-455.35	90.92	61.83	29.08	3.126	
4,800.00	4,768.81	4,790.68	4,750.64	14.63	14.85	-25.975	54.16	-458.55	91.65	62.44	29.22	3.137	
4,881.00	4,848.65	4,872.98	4,831.16	14.96	15.20	-26.807	58.00	-475.07	94.95	65.05	29.90	3.175	
4,900.00	4,867.37	4,892.14	4,849.95	15.04	15.28	-26.977	58.88	-478.75	95.56	65.50	30.06	3.179	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report

PERMIAN

RESOURCES

Company:	Permian Resources	Local Co-ordinate Reference:	Well Batman Fed Com 201H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3641.38usft (H&P 296)
Reference Site:	Batman	MD Reference:	RKB @ 3641.38usft (H&P 296)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ST01 / 71612	Database:	USA Compass
Reference Design:	Plan 3 03-03-23	Offset TVD Reference:	Reference Datum

Offset Design: Batman - Batman Fed Com 131H - OH / 71610 - Surveys (H&P 296)												Offset Site Error:	0.00 usft
Survey Program: 177-MWD+IFR1+MS												Offset Well Error:	1.00 usft
Reference												Rule Assigned:	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
4,976.00	4,942.25	4,968.40	4,924.74	15.36	15.60	-27.779	62.34	-493.23	97.76	67.10	30.66	3.189	
5,000.00	4,965.88	4,992.56	4,948.45	15.46	15.70	-28.093	63.41	-497.77	98.37	67.52	30.85	3.189	
5,071.00	5,035.78	5,064.12	5,018.73	15.76	16.00	-29.175	66.47	-510.89	99.81	68.43	31.38	3.180	
5,100.00	5,064.32	5,093.24	5,047.35	15.88	16.13	-29.796	67.68	-516.12	100.25	68.66	31.59	3.173	
5,166.00	5,129.22	5,159.45	5,112.45	16.16	16.41	-31.286	70.46	-527.91	101.02	68.96	32.05	3.151	
5,200.00	5,162.65	5,194.05	5,146.48	16.31	16.55	-31.042	71.88	-533.93	101.25	68.96	32.29	3.136	
5,261.00	5,222.64	5,256.30	5,207.86	16.57	16.82	-30.710	74.09	-544.10	101.10	68.41	32.69	3.092	
5,300.00	5,261.01	5,295.26	5,246.32	16.73	16.98	-30.549	75.32	-550.17	100.77	67.84	32.93	3.060	
5,347.00	5,307.27	5,342.09	5,292.55	16.93	17.17	-30.234	76.83	-557.54	100.44	67.23	33.21	3.024	
5,351.51	5,311.70	5,346.00	5,296.40	16.95	17.19	-30.364	76.96	-558.15	100.41	67.18	33.24	3.021	
5,400.00	5,359.42	5,346.00	5,296.40	17.16	17.19	-31.187	76.96	-558.15	111.50	80.88	30.63	3.641	
5,448.00	5,406.65	5,346.00	5,296.40	17.37	17.19	-31.896	76.96	-558.15	139.25	113.03	26.22	5.311	
5,500.00	5,457.79	5,346.00	5,296.40	17.59	17.19	-28.004	76.96	-558.15	179.11	156.47	22.64	7.911	
5,543.00	5,500.07	5,346.00	5,296.40	17.78	17.19	-25.103	76.96	-558.15	215.86	195.11	20.75	10.403	
5,600.00	5,556.08	5,346.00	5,296.40	18.03	17.19	-20.354	76.96	-558.15	267.21	248.01	19.20	13.914	
5,638.00	5,593.38	5,346.00	5,296.40	18.20	17.19	-17.699	76.96	-558.15	302.41	283.87	18.55	16.303	
5,700.00	5,654.21	5,346.00	5,296.40	18.47	17.19	-17.698	76.96	-558.15	360.98	343.11	17.87	20.195	
5,734.00	5,687.57	5,346.00	5,296.40	18.62	17.19	-17.708	76.96	-558.15	393.55	375.91	17.64	22.310	
5,800.00	5,752.35	5,346.00	5,296.40	18.91	17.19	-17.819	76.96	-558.15	457.39	440.03	17.36	26.350	
5,829.00	5,780.82	5,346.00	5,296.40	19.04	17.19	-17.883	76.96	-558.15	485.64	468.35	17.28	28.098	
5,900.00	5,850.56	5,346.00	5,296.40	19.34	17.19	-17.861	76.96	-558.15	555.12	537.94	17.18	32.305	
5,924.00	5,874.14	5,346.00	5,296.40	19.45	17.19	-17.897	76.96	-558.15	578.70	561.53	17.17	33.705	
6,000.00	5,948.95	5,346.00	5,296.40	19.78	17.19	-20.185	76.96	-558.15	653.69	636.51	17.18	38.057	
6,019.00	5,967.70	5,346.00	5,296.40	19.87	17.19	-20.807	76.96	-558.15	672.51	655.32	17.19	39.127	
6,100.00	6,047.80	5,346.00	5,296.40	20.22	17.19	-24.799	76.96	-558.15	753.00	735.73	17.27	43.606	
6,114.00	6,061.67	5,346.00	5,296.40	20.28	17.19	-25.664	76.96	-558.15	766.94	749.65	17.29	44.367	
6,200.00	6,147.01	5,346.00	5,296.40	20.63	17.19	-31.314	76.96	-558.15	852.70	835.29	17.41	48.971	
6,209.00	6,155.95	5,346.00	5,296.40	20.67	17.19	-32.087	76.96	-558.15	861.69	844.26	17.43	49.446	
6,300.00	6,246.38	5,346.00	5,296.40	21.03	17.19	-33.089	76.96	-558.15	952.55	934.97	17.58	54.184	
6,304.00	6,250.36	5,346.00	5,296.40	21.05	17.19	-33.136	76.96	-558.15	956.54	938.96	17.59	54.390	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report

PERMIAN

RESOURCES

Company:	Permian Resources	Local Co-ordinate Reference:	Well Batman Fed Com 201H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3641.38usft (H&P 296)
Reference Site:	Batman	MD Reference:	RKB @ 3641.38usft (H&P 296)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ST01 / 71612	Database:	USA Compass
Reference Design:	Plan 3 03-03-23	Offset TVD Reference:	Reference Datum

Offset Design: Batman - Batman Fed Com 132H - Pilot / 71611 - Surveys (H&P 296)													Offset Site Error: 0.00 usft
Survey Program: 178-MWD+IFR1+MS													Offset Well Error: 1.00 usft
Rule Assigned:													
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.05	0.00	1.00	1.00	89.312	0.36	29.98	29.99				
100.00	100.00	100.08	100.03	1.27	1.35	-173.802	0.32	29.93	30.05	27.44	2.62	11.485	
178.00	178.00	178.11	178.06	1.89	1.89	-173.682	0.22	29.81	30.20	26.42	3.78	7.980	
200.00	200.00	200.10	200.05	1.96	1.96	-169.517	0.18	29.77	30.26	26.35	3.91	7.736	
261.00	261.00	261.08	261.03	2.14	2.14	-159.370	-0.05	29.69	30.45	26.18	4.27	7.131	
300.00	300.00	300.15	300.10	2.25	2.25	-167.983	-0.34	29.60	30.57	26.09	4.48	6.818	
345.00	345.00	345.23	345.17	2.38	2.38	-174.376	-0.91	29.39	30.66	25.93	4.73	6.478	
400.00	400.00	400.30	400.24	2.54	2.54	-175.590	-1.74	28.99	30.68	25.66	5.02	6.111	
429.00	428.99	429.34	429.27	2.62	2.62	-176.230	-2.17	28.72	30.64	25.47	5.17	5.924	
500.00	499.99	500.33	500.25	2.81	2.82	-150.737	-3.19	28.02	30.46	24.93	5.53	5.510	
514.00	513.99	514.33	514.24	2.84	2.87	-144.589	-3.39	27.89	30.41	24.81	5.60	5.432	
598.00	597.99	598.25	598.16	3.06	3.10	-125.339	-4.56	27.17	30.19	24.21	5.98	5.046	
600.00	599.99	600.25	600.16	3.06	3.11	-125.306	-4.58	27.15	30.18	24.19	5.99	5.037	
662.94	662.93	663.14	663.04	3.24	3.30	-137.084	-5.46	26.74	30.14	23.82	6.31	4.774	
695.00	694.99	695.18	695.07	3.33	3.40	-146.880	-5.93	26.56	30.15	23.67	6.48	4.656	
700.00	699.99	700.17	700.07	3.34	3.44	-144.104	-6.00	26.53	30.15	23.64	6.52	4.627	
790.00	789.99	790.03	789.92	3.57	4.03	-96.134	-7.40	26.27	30.33	23.07	7.26	4.175	
800.00	799.99	800.02	799.90	3.60	4.09	-98.720	-7.57	26.26	30.37	23.02	7.35	4.134	
885.00	884.99	885.00	884.87	3.81	4.66	-116.472	-9.02	26.40	30.97	22.92	8.04	3.851	
900.00	899.99	899.88	899.75	3.84	4.69	-112.540	-9.29	26.45	31.12	23.03	8.09	3.845	
980.00	979.99	979.89	979.74	4.04	4.88	-89.145	-10.84	26.68	31.82	23.45	8.37	3.802	
1,000.00	999.99	999.89	999.74	4.08	4.99	-97.278	-11.24	26.73	31.99	23.48	8.50	3.762	
1,075.00	1,074.98	1,074.91	1,074.75	4.26	5.38	-133.762	-12.60	26.90	32.71	23.71	9.00	3.635	
1,100.00	1,099.98	1,099.92	1,099.75	4.32	5.51	-124.193	-13.01	26.95	32.97	23.80	9.16	3.597	
1,170.00	1,169.98	1,169.95	1,169.77	4.49	5.88	-105.773	-14.01	27.11	33.62	23.98	9.64	3.489	
1,200.00	1,199.98	1,200.02	1,199.84	4.57	5.94	-113.954	-14.39	27.14	33.85	24.11	9.74	3.477	
1,265.00	1,264.98	1,265.18	1,265.00	4.73	6.09	-131.411	-15.15	27.00	34.23	24.28	9.95	3.440	
1,300.00	1,299.98	1,300.23	1,300.05	4.81	6.16	-132.484	-15.50	26.82	34.38	24.31	10.07	3.415	
1,360.00	1,359.98	1,360.33	1,360.14	4.96	6.28	-134.392	-15.97	26.43	34.50	24.24	10.27	3.361	
1,400.00	1,399.98	1,400.34	1,400.15	5.06	6.37	-132.916	-16.24	26.12	34.50	24.09	10.41	3.315	
1,462.00	1,461.98	1,462.34	1,462.15	5.21	6.51	-125.350	-16.72	25.60	34.36	23.73	10.63	3.234	
1,500.00	1,499.98	1,500.35	1,500.16	5.29	6.59	-155.916	-17.05	25.26	34.25	23.52	10.73	3.192	
1,549.00	1,548.97	1,549.37	1,549.17	5.38	6.68	-170.259	-17.51	24.78	34.20	23.34	10.86	3.149	
1,600.00	1,599.97	1,600.36	1,600.16	5.44	6.78	124.465	-17.90	24.31	34.12	23.13	11.00	3.103	
1,644.00	1,643.97	1,644.35	1,644.15	5.49	6.87	85.901	-18.09	23.97	33.93	22.82	11.11	3.054	
1,700.00	1,699.97	1,700.27	1,700.07	5.50	6.97	62.793	-18.31	23.62	33.58	22.35	11.22	2.991	
1,740.00	1,739.97	1,740.22	1,740.01	5.51	7.05	53.150	-18.54	23.42	33.28	21.97	11.31	2.944	
1,800.00	1,799.96	1,800.39	1,800.18	5.52	7.12	58.499	-18.44	23.21	32.63	21.15	11.48	2.842	
1,835.00	1,834.96	1,835.49	1,835.28	5.52	7.17	60.433	-17.94	23.15	32.09	20.50	11.58	2.770	
1,900.00	1,899.96	1,900.55	1,900.32	5.54	7.16	50.818	-16.18	23.27	30.87	19.16	11.71	2.636	
1,930.00	1,929.95	1,930.56	1,930.30	5.55	7.15	44.718	-15.01	23.45	30.27	18.50	11.77	2.571	
2,000.00	1,999.95	2,000.57	2,000.24	5.57	7.12	38.820	-11.96	23.91	28.81	16.88	11.93	2.414	
2,025.00	2,024.94	2,025.57	2,025.22	5.58	7.11	36.693	-10.84	24.05	28.27	16.28	11.99	2.358	
2,100.00	2,099.94	2,100.57	2,100.12	5.61	7.09	32.551	-7.08	24.44	26.74	14.55	12.18	2.195	
2,120.00	2,119.93	2,120.56	2,120.07	5.62	7.08	31.107	-5.94	24.54	26.38	14.15	12.24	2.156	
2,172.34	2,172.27	2,172.79	2,172.20	5.67	7.08	59.412	-2.57	24.87	25.92	13.50	12.41	2.088 CC, ES	
2,200.00	2,199.93	2,200.36	2,199.69	5.70	7.08	110.601	-0.54	25.08	26.07	13.56	12.51	2.084 SF	
2,216.00	2,215.93	2,216.30	2,215.58	5.71	7.08	132.262	0.72	25.21	26.30	13.74	12.56	2.094	
2,300.00	2,299.92	2,299.98	2,298.98	5.85	7.07	143.189	7.56	26.03	29.40	16.55	12.85	2.288	
2,311.00	2,310.91	2,310.93	2,309.89	5.87	7.07	142.567	8.46	26.15	30.02	17.14	12.88	2.331	
2,400.00	2,399.83	2,399.51	2,398.14	6.07	7.09	135.672	15.94	27.18	36.51	23.40	13.12	2.784	
2,406.00	2,405.82	2,405.47	2,404.09	6.08	7.09	135.361	16.46	27.25	37.03	23.90	13.13	2.821	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report

PERMIAN

RESOURCES

Company:	Permian Resources	Local Co-ordinate Reference:	Well Batman Fed Com 201H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3641.38usft (H&P 296)
Reference Site:	Batman	MD Reference:	RKB @ 3641.38usft (H&P 296)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ST01 / 71612	Database:	USA Compass
Reference Design:	Plan 3 03-03-23	Offset TVD Reference:	Reference Datum

Offset Design: Batman - Batman Fed Com 132H - Pilot / 71611 - Surveys (H&P 296)												Offset Site Error:	0.00 usft
Survey Program: 178-MWD+IFR1+MS												Offset Well Error:	1.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance		Rule Assigned:		Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
2,500.00	2,499.59	2,498.96	2,497.22	6.30	7.12	134.787	24.49	28.50	46.25	32.90	13.35	3.464	
2,501.00	2,500.59	2,499.95	2,498.21	6.30	7.12	134.790	24.57	28.51	46.36	33.00	13.35	3.472	
2,597.00	2,596.19	2,594.79	2,592.60	6.54	7.18	133.353	33.62	29.82	57.85	44.26	13.58	4.259	
2,600.00	2,599.18	2,597.74	2,595.54	6.55	7.18	133.309	33.93	29.86	58.24	44.65	13.59	4.285	
2,692.00	2,690.69	2,688.13	2,685.32	6.78	7.25	131.766	44.29	31.22	70.97	57.16	13.80	5.141	
2,700.00	2,698.65	2,695.99	2,693.12	6.80	7.25	131.306	45.26	31.35	72.13	58.31	13.82	5.218	
2,787.00	2,785.19	2,781.69	2,778.12	7.03	7.32	126.509	56.08	32.92	84.74	70.71	14.03	6.040	
2,800.00	2,798.12	2,794.48	2,790.80	7.06	7.33	126.755	57.73	33.17	86.64	72.57	14.06	6.161	
2,882.00	2,879.59	2,874.96	2,870.56	7.29	7.41	128.229	68.37	34.89	99.48	85.21	14.27	6.971	
2,900.00	2,897.46	2,892.82	2,888.25	7.35	7.43	129.183	70.78	35.30	102.49	88.17	14.32	7.155	
2,978.00	2,974.77	2,970.92	2,965.64	7.59	7.51	132.822	81.17	36.55	115.85	101.28	14.57	7.952	
3,000.00	2,996.56	2,992.86	2,987.40	7.65	7.54	133.155	84.03	36.75	119.66	105.02	14.64	8.173	
3,073.00	3,068.84	3,065.60	3,059.54	7.89	7.64	134.263	93.30	37.20	132.13	117.25	14.88	8.880	
3,100.00	3,095.57	3,092.59	3,086.32	7.97	7.68	133.509	96.64	37.29	136.61	121.64	14.97	9.125	
3,168.00	3,162.96	3,160.77	3,154.05	8.19	7.79	131.629	104.41	37.54	147.16	131.95	15.21	9.678	
3,200.00	3,194.68	3,193.26	3,186.36	8.30	7.84	134.257	107.78	37.63	151.88	136.56	15.32	9.912	
3,263.00	3,257.10	3,257.50	3,250.32	8.51	7.96	139.207	113.78	37.54	161.16	145.60	15.56	10.357	
3,300.00	3,293.74	3,295.50	3,288.21	8.63	8.05	141.953	116.85	37.32	166.57	150.86	15.71	10.602	
3,358.00	3,351.12	3,355.23	3,347.80	8.83	8.19	146.123	120.68	36.80	174.95	158.99	15.95	10.966	
3,400.00	3,392.66	3,398.11	3,390.64	8.98	8.27	148.023	122.76	36.30	180.78	164.64	16.13	11.206	
3,453.00	3,445.12	3,452.31	3,444.79	9.17	8.38	150.555	124.75	35.53	187.60	171.24	16.36	11.469	
3,500.00	3,491.65	3,498.93	3,491.39	9.34	8.47	150.844	125.99	34.90	193.51	176.95	16.56	11.685	
3,548.00	3,539.12	3,546.45	3,538.89	9.51	8.56	151.281	126.94	34.43	199.81	183.04	16.77	11.913	
3,600.00	3,590.47	3,597.93	3,590.38	9.71	8.62	151.967	127.56	34.14	207.06	190.04	17.02	12.166	
3,644.00	3,633.84	3,641.38	3,633.82	9.88	8.67	152.683	127.74	34.06	213.63	196.40	17.24	12.395	
3,700.00	3,689.00	3,697.15	3,689.59	10.09	8.69	154.885	127.65	34.02	222.27	204.75	17.51	12.693	
3,739.00	3,727.42	3,736.03	3,728.47	10.24	8.70	156.363	127.48	33.95	228.27	210.57	17.70	12.894	
3,800.00	3,787.47	3,797.50	3,789.94	10.48	8.72	156.269	126.95	33.69	237.65	219.63	18.01	13.192	
3,834.00	3,820.91	3,831.78	3,824.22	10.61	8.73	156.278	126.49	33.44	242.87	224.68	18.19	13.351	
3,900.00	3,885.76	3,897.20	3,889.62	10.87	8.75	155.145	125.47	32.85	253.13	234.59	18.54	13.652	
3,929.00	3,914.23	3,925.90	3,918.32	10.99	8.76	154.722	125.00	32.55	257.73	239.03	18.70	13.783	
4,000.00	3,983.87	3,995.95	3,988.35	11.27	8.80	151.619	123.86	31.77	268.95	249.86	19.09	14.087	
4,024.00	4,007.40	4,019.62	4,012.01	11.37	8.81	150.627	123.48	31.48	272.70	253.47	19.23	14.183	
4,100.00	4,081.87	4,095.57	4,087.95	11.68	8.85	149.398	122.12	30.42	284.48	264.81	19.66	14.467	
4,119.00	4,100.48	4,114.57	4,106.95	11.76	8.87	149.125	121.73	30.11	287.39	267.62	19.78	14.533	
4,200.00	4,179.76	4,195.46	4,187.80	12.10	8.92	150.987	119.86	28.58	299.87	279.61	20.26	14.802	
4,214.00	4,193.46	4,209.44	4,201.77	12.15	8.93	151.299	119.50	28.28	302.04	281.70	20.34	14.848	
4,300.00	4,277.54	4,292.83	4,285.12	12.52	9.00	151.750	117.63	26.53	315.77	294.91	20.86	15.138	
4,310.00	4,287.31	4,302.51	4,294.80	12.56	9.01	151.797	117.45	26.34	317.42	296.50	20.92	15.174	
4,400.00	4,375.41	4,389.14	4,381.41	12.94	9.11	152.621	116.43	24.71	331.95	310.50	21.45	15.475	
4,405.00	4,380.31	4,393.96	4,386.22	12.96	9.12	152.650	116.40	24.63	332.74	311.26	21.48	15.490	
4,500.00	4,473.56	4,488.10	4,480.35	13.35	9.25	154.777	116.09	22.94	347.33	325.29	22.04	15.756	
4,595.00	4,566.84	4,581.97	4,574.20	13.75	9.39	155.533	115.89	21.07	361.84	339.23	22.61	16.000	
4,600.00	4,571.75	4,586.90	4,579.13	13.77	9.40	155.564	115.89	20.97	362.62	339.98	22.65	16.013	
4,690.00	4,660.33	4,677.01	4,669.21	14.17	9.55	155.870	115.90	18.97	375.20	351.99	23.21	16.167	
4,700.00	4,670.20	4,687.06	4,679.26	14.21	9.56	155.844	115.91	18.73	376.45	353.18	23.27	16.179	
4,785.00	4,754.02	4,771.71	4,763.89	14.56	9.71	155.656	116.00	16.60	387.21	363.43	23.78	16.284	
4,800.00	4,768.81	4,786.63	4,778.80	14.63	9.74	155.624	116.01	16.21	389.13	365.26	23.87	16.303	
4,881.00	4,848.65	4,866.40	4,858.55	14.96	9.87	155.464	115.96	14.19	399.58	375.22	24.36	16.400	
4,900.00	4,867.37	4,885.07	4,877.21	15.04	9.91	155.497	115.91	13.74	402.05	377.57	24.48	16.423	
4,976.00	4,942.25	4,959.20	4,951.32	15.36	10.04	155.631	115.75	12.02	412.19	387.25	24.95	16.524	
5,000.00	4,965.88	4,982.72	4,974.83	15.46	10.08	155.657	115.72	11.51	415.48	390.39	25.09	16.557	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report

PERMIAN

RESOURCES

Company:	Permian Resources	Local Co-ordinate Reference:	Well Batman Fed Com 201H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3641.38usft (H&P 296)
Reference Site:	Batman	MD Reference:	RKB @ 3641.38usft (H&P 296)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ST01 / 71612	Database:	USA Compass
Reference Design:	Plan 3 03-03-23	Offset TVD Reference:	Reference Datum

Offset Design: Batman - Batman Fed Com 132H - Pilot / 71611 - Surveys (H&P 296)												Offset Site Error:	0.00 usft
Survey Program: 178-MWD+IFR1+MS												Offset Well Error:	1.00 usft
Reference												Rule Assigned:	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
5,071.00	5,035.78	5,053.19	5,045.29	15.76	10.20	155.768	115.51	9.98	425.33	399.78	25.54	16.653	
5,100.00	5,064.32	5,081.89	5,073.98	15.88	10.25	155.706	115.36	9.34	429.40	403.68	25.73	16.692	
5,166.00	5,129.22	5,146.96	5,139.03	16.16	10.37	155.578	115.16	7.89	438.88	412.73	26.14	16.786	
5,200.00	5,162.65	5,180.42	5,172.48	16.31	10.43	156.599	115.14	7.15	443.83	417.47	26.36	16.836	
5,261.00	5,222.64	5,240.33	5,232.38	16.57	10.54	158.413	115.11	5.84	452.73	425.98	26.75	16.925	
5,300.00	5,261.01	5,278.87	5,270.92	16.73	10.61	159.520	115.08	5.01	458.43	431.44	27.00	16.981	
5,347.00	5,307.27	5,325.67	5,317.70	16.93	10.70	160.842	115.07	3.98	465.27	437.97	27.29	17.046	
5,400.00	5,359.42	5,378.84	5,370.85	17.16	10.81	160.243	115.10	2.75	472.94	445.30	27.64	17.109	
5,448.00	5,406.65	5,427.25	5,419.25	17.37	10.91	159.720	115.21	1.53	479.84	451.88	27.97	17.158	
5,500.00	5,457.79	5,478.69	5,470.67	17.59	11.01	164.933	115.40	0.14	487.42	459.11	28.31	17.218	
5,543.00	5,500.07	5,520.60	5,512.57	17.78	11.10	169.117	115.52	-0.94	493.95	465.36	28.59	17.280	
5,600.00	5,556.08	5,576.45	5,568.40	18.03	11.22	176.477	115.65	-2.32	503.05	474.09	28.96	17.372	
5,638.00	5,593.38	5,613.81	5,605.75	18.20	11.30	-178.979	115.74	-3.24	509.40	480.20	29.20	17.444	
5,700.00	5,654.21	5,674.67	5,666.59	18.47	11.43	-178.890	115.87	-4.70	519.94	490.34	29.60	17.564	
5,734.00	5,687.57	5,708.02	5,699.93	18.62	11.50	-178.840	115.93	-5.49	525.71	495.88	29.82	17.628	
5,800.00	5,752.35	5,768.86	5,760.75	18.91	11.61	-178.706	116.11	-6.78	536.97	506.76	30.20	17.779	
5,829.00	5,780.82	5,794.38	5,786.28	19.04	11.65	-178.654	116.26	-7.11	542.10	511.74	30.35	17.859	
5,900.00	5,850.56	5,855.59	5,847.48	19.34	11.73	-177.082	116.86	-7.29	555.24	524.56	30.68	18.099	
5,924.00	5,874.14	5,875.74	5,867.62	19.45	11.74	-176.552	117.11	-7.12	559.91	529.14	30.77	18.198	
6,000.00	5,948.95	5,942.11	5,933.97	19.78	11.77	179.660	118.14	-5.75	574.81	543.76	31.05	18.513	
6,019.00	5,967.70	5,960.86	5,952.72	19.87	11.76	178.580	118.46	-5.27	578.39	547.27	31.12	18.587	
6,100.00	6,047.80	6,041.26	6,033.07	20.22	11.73	175.340	119.81	-3.25	592.45	561.04	31.41	18.862	
6,114.00	6,061.67	6,055.29	6,047.10	20.28	11.72	174.674	120.04	-2.90	594.67	563.21	31.46	18.902	
6,200.00	6,147.01	6,141.74	6,133.52	20.63	11.70	171.728	121.49	-0.91	607.20	575.43	31.76	19.117	
6,209.00	6,155.95	6,150.82	6,142.59	20.67	11.69	171.366	121.64	-0.71	608.40	576.61	31.79	19.136	
6,300.00	6,246.38	6,242.41	6,234.16	21.03	11.68	172.387	123.05	1.16	620.34	588.23	32.11	19.318	
6,304.00	6,250.36	6,246.42	6,238.17	21.05	11.68	172.432	123.11	1.24	620.86	588.73	32.13	19.325	
6,400.00	6,345.85	6,341.02	6,332.74	21.43	11.66	170.436	124.35	3.05	632.46	600.02	32.45	19.491	
6,495.00	6,440.54	6,434.09	6,425.78	21.79	11.63	161.265	125.08	5.16	642.03	609.28	32.75	19.606	
6,500.00	6,445.53	6,439.19	6,430.87	21.81	11.63	161.268	125.11	5.28	642.45	609.69	32.76	19.610	
6,590.00	6,535.39	6,530.66	6,522.33	22.11	11.59	161.258	125.57	7.22	649.11	616.09	33.02	19.656	
6,600.00	6,545.38	6,540.78	6,532.45	22.15	11.59	160.948	125.62	7.42	649.73	616.68	33.05	19.659	
6,685.00	6,630.33	6,627.31	6,618.96	22.40	11.57	155.031	126.12	9.05	653.88	620.61	33.27	19.654	
6,700.00	6,645.33	6,642.69	6,634.34	22.45	11.57	153.731	126.21	9.31	654.42	621.11	33.30	19.650	
6,780.00	6,725.31	6,723.59	6,715.23	22.66	11.55	147.478	126.68	10.56	657.21	623.73	33.48	19.628	
6,800.00	6,745.31	6,743.51	6,735.15	22.71	11.55	148.902	126.77	10.87	657.92	624.39	33.53	19.623	
6,875.00	6,820.29	6,818.33	6,809.95	22.92	11.54	154.207	127.02	12.03	660.62	626.92	33.70	19.604	
6,900.00	6,845.28	6,843.31	6,834.93	22.99	11.54	155.683	127.09	12.42	661.53	627.78	33.76	19.596	
6,970.00	6,915.26	6,913.26	6,904.87	23.18	11.52	160.212	127.28	13.52	664.06	630.13	33.93	19.573	
7,000.00	6,945.26	6,943.25	6,934.85	23.26	11.52	160.512	127.35	13.98	665.12	631.12	34.00	19.563	
7,065.00	7,010.24	7,008.11	6,999.71	23.44	11.51	161.224	127.46	15.00	667.37	633.21	34.16	19.537	
7,100.00	7,045.24	7,043.00	7,034.59	23.53	11.51	161.174	127.51	15.55	668.57	634.33	34.24	19.523	
7,160.00	7,105.22	7,103.33	7,094.92	23.70	11.50	161.096	127.59	16.51	670.66	636.26	34.40	19.497	
7,200.00	7,145.22	7,143.78	7,135.36	23.81	11.50	161.930	127.66	17.11	672.03	637.53	34.50	19.478	
7,255.00	7,200.20	7,198.69	7,190.26	23.96	11.49	163.094	127.76	17.91	673.89	639.25	34.64	19.452	
7,300.00	7,245.20	7,243.34	7,234.92	24.08	11.49	163.833	127.81	18.58	675.44	640.67	34.76	19.430	
7,351.00	7,296.18	7,294.41	7,285.98	24.22	11.49	164.645	127.84	19.36	677.22	642.32	34.90	19.405	
7,400.00	7,345.17	7,343.63	7,335.19	24.36	11.49	167.597	127.86	20.09	678.91	643.87	35.03	19.379	
7,446.00	7,391.17	7,389.79	7,381.35	24.48	11.49	170.762	127.86	20.76	680.42	645.26	35.16	19.352	
7,500.00	7,445.16	7,443.98	7,435.53	24.63	11.49	170.778	127.83	21.53	682.16	646.85	35.31	19.320	
7,541.00	7,486.15	7,485.44	7,476.98	24.74	11.49	170.932	127.79	22.11	683.46	648.04	35.43	19.293	
7,600.00	7,545.14	7,545.10	7,536.64	24.90	11.49	173.801	127.71	22.88	685.29	649.69	35.60	19.252	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report

PERMIAN

RESOURCES

Company:	Permian Resources	Local Co-ordinate Reference:	Well Batman Fed Com 201H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3641.38usft (H&P 296)
Reference Site:	Batman	MD Reference:	RKB @ 3641.38usft (H&P 296)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ST01 / 71612	Database:	USA Compass
Reference Design:	Plan 3 03-03-23	Offset TVD Reference:	Reference Datum

Offset Design: Batman - Batman Fed Com 132H - Pilot / 71611 - Surveys (H&P 296)													Offset Site Error: 0.00 usft
Survey Program: 178-MWD+IFR1+MS													Offset Well Error: 1.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance		Rule Assigned:		Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
7,636.00	7,581.13	7,581.44	7,572.97	25.00	11.49	175.535	127.63	23.32	686.38	650.68	35.70	19.225	
7,700.00	7,645.13	7,645.78	7,637.31	25.17	11.49	178.746	127.43	24.06	688.23	652.34	35.89	19.177	
7,731.00	7,676.12	7,676.27	7,667.80	25.25	11.49	-179.460	127.30	24.42	689.10	653.12	35.98	19.154	
7,800.00	7,745.11	7,744.25	7,735.78	25.42	11.49	-176.922	126.91	25.29	691.05	654.88	36.17	19.105	
7,826.00	7,771.11	7,770.06	7,761.58	25.49	11.49	-175.885	126.73	25.65	691.79	655.54	36.25	19.086	
7,900.00	7,845.10	7,843.52	7,835.03	25.67	11.48	-175.045	126.06	26.69	693.89	657.43	36.46	19.032	
7,921.00	7,866.10	7,864.38	7,855.88	25.73	11.48	-174.791	125.85	26.99	694.49	657.97	36.52	19.017	
8,000.00	7,945.09	7,942.99	7,934.49	25.92	11.48	-171.340	125.06	28.18	696.75	660.00	36.75	18.960	
8,016.00	7,961.09	7,958.98	7,950.48	25.96	11.48	-170.625	124.90	28.42	697.20	660.41	36.80	18.948	
8,100.00	8,045.08	8,042.63	8,034.11	26.17	11.48	-171.877	124.08	29.70	699.74	662.70	37.05	18.887	
8,112.00	8,057.08	8,054.48	8,045.95	26.20	11.48	-172.015	123.97	29.89	700.13	663.05	37.08	18.880	
8,200.00	8,145.07	8,142.17	8,133.63	26.42	11.49	-161.926	123.25	31.34	703.06	665.71	37.35	18.823	
8,207.00	8,152.07	8,149.27	8,140.73	26.43	11.50	-161.129	123.20	31.45	703.29	665.91	37.37	18.818	
8,300.00	8,245.06	8,243.19	8,234.64	26.64	11.52	-156.815	122.59	32.88	706.03	668.38	37.65	18.753	
8,303.00	8,248.05	8,246.20	8,237.65	26.65	11.52	-156.632	122.57	32.93	706.11	668.45	37.66	18.751	
8,398.00	8,343.05	8,341.30	8,332.74	26.87	11.55	-161.017	122.28	34.32	708.77	670.84	37.94	18.683	
8,400.00	8,345.04	8,343.30	8,334.73	26.87	11.55	-161.018	122.28	34.35	708.83	670.89	37.94	18.682	
8,493.00	8,438.03	8,435.05	8,426.48	27.09	11.60	-158.573	122.49	35.71	711.53	673.32	38.21	18.620	
8,500.00	8,445.03	8,441.83	8,433.26	27.10	11.61	-157.766	122.50	35.82	711.74	673.51	38.23	18.616	
8,589.00	8,534.03	8,530.76	8,522.18	27.29	11.66	-145.320	122.64	37.40	714.35	675.86	38.49	18.562	
8,600.00	8,545.03	8,542.25	8,533.66	27.31	11.67	-146.818	122.69	37.59	714.64	676.12	38.52	18.553	
8,684.00	8,629.02	8,631.12	8,622.52	27.48	11.75	-155.568	123.33	38.73	716.77	677.99	38.78	18.484	
8,700.00	8,645.01	8,648.31	8,639.70	27.51	11.77	-152.263	123.51	38.87	717.12	678.29	38.82	18.472	
8,780.00	8,725.01	8,742.74	8,734.13	27.64	11.89	-118.191	124.45	38.81	717.76	678.70	39.06	18.374	
8,800.00	8,745.01	8,767.86	8,759.25	27.65	11.93	-111.081	124.56	38.40	717.51	678.40	39.11	18.346	
8,875.00	8,820.00	8,839.55	8,830.92	27.69	11.98	-95.278	124.68	36.99	716.21	677.02	39.19	18.274	
8,900.00	8,845.00	8,862.33	8,853.70	27.69	11.99	-90.780	124.70	36.68	715.89	676.69	39.20	18.263	
8,970.00	8,914.99	8,926.55	8,917.92	27.68	12.04	-78.257	124.81	36.16	715.23	676.01	39.22	18.237	
9,000.00	8,944.99	8,954.11	8,945.48	27.66	12.06	-80.192	124.91	36.09	715.08	675.86	39.22	18.232	
9,066.00	9,010.98	9,020.93	9,012.29	27.64	12.11	-84.312	125.16	36.08	714.95	675.70	39.25	18.215	
9,100.00	9,044.98	9,056.57	9,047.94	27.64	12.14	-87.810	125.18	35.98	714.81	675.53	39.28	18.198	
9,161.00	9,105.97	9,124.32	9,115.68	27.64	12.18	-93.055	125.14	35.40	714.31	674.95	39.35	18.152	
9,200.00	9,144.97	9,167.25	9,158.60	27.65	12.20	-96.551	125.16	34.68	713.71	674.30	39.41	18.110	
9,256.00	9,200.96	9,222.96	9,214.31	27.67	12.23	-101.760	125.12	33.63	712.80	673.33	39.47	18.059	
9,300.00	9,244.95	9,266.84	9,258.18	27.70	12.26	-109.373	124.97	32.81	712.17	672.63	39.54	18.010	
9,351.00	9,295.95	9,318.05	9,309.38	27.75	12.29	-118.987	124.67	31.86	711.55	671.92	39.63	17.954	
9,400.00	9,344.94	9,367.16	9,358.48	27.83	12.31	-135.578	124.25	30.93	711.08	671.32	39.76	17.886	
9,446.00	9,390.93	9,413.07	9,404.37	27.91	12.33	-149.507	123.76	30.07	710.81	670.93	39.87	17.827	
9,500.00	9,444.93	9,466.75	9,458.04	28.03	12.35	-150.316	123.09	29.08	710.63	670.59	40.04	17.748	
9,541.00	9,485.92	9,507.26	9,498.54	28.12	12.37	-150.865	122.60	28.35	710.56	670.40	40.17	17.691	
9,600.00	9,544.91	9,567.26	9,558.53	28.16	12.40	43.797	121.97	27.30	709.85	669.60	40.25	17.635	
9,636.00	9,580.91	9,605.29	9,596.55	28.19	12.43	36.595	121.68	26.52	708.67	668.36	40.31	17.578	
9,700.00	9,644.89	9,674.02	9,665.27	28.09	12.48	40.765	121.40	24.80	705.92	665.63	40.29	17.523	
9,731.00	9,675.89	9,707.81	9,699.03	28.04	12.51	42.919	121.36	23.76	704.45	664.18	40.27	17.491	
9,800.00	9,744.87	9,779.73	9,770.91	28.01	12.58	50.940	121.54	21.18	700.97	660.66	40.32	17.387	
9,900.00	9,844.85	9,880.67	9,871.77	27.97	12.70	63.663	122.45	17.31	696.04	655.68	40.37	17.243	
9,921.00	9,865.84	9,901.68	9,892.76	27.96	12.72	66.422	122.67	16.49	695.05	654.67	40.38	17.214	
10,000.00	9,944.84	9,977.19	9,968.22	27.97	12.82	87.666	123.39	13.69	691.80	651.36	40.44	17.106	
10,017.00	9,961.83	9,993.18	9,984.20	27.97	12.84	97.788	123.51	13.16	691.25	650.79	40.45	17.087	
10,100.00	10,044.83	10,074.26	10,065.24	28.06	12.93	114.162	123.94	10.70	689.01	648.40	40.62	16.964	
10,112.00	10,056.83	10,086.17	10,077.15	28.07	12.95	115.587	123.98	10.35	688.73	648.09	40.64	16.947	
10,200.00	10,144.81	10,176.79	10,167.73	28.22	13.06	121.663	123.98	7.56	686.81	645.92	40.89	16.796	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report

PERMIAN

RESOURCES

Company:	Permian Resources	Local Co-ordinate Reference:	Well Batman Fed Com 201H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3641.38usft (H&P 296)
Reference Site:	Batman	MD Reference:	RKB @ 3641.38usft (H&P 296)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ST01 / 71612	Database:	USA Compass
Reference Design:	Plan 3 03-03-23	Offset TVD Reference:	Reference Datum

Offset Design: Batman - Batman Fed Com 132H - Pilot / 71611 - Surveys (H&P 296)													Offset Site Error: 0.00 usft
Survey Program: 178-MWD+IFR1+MS													Offset Well Error: 1.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance			Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)		
10,207.00	10,151.81	10,184.11	10,175.04	28.23	13.06	121.985	123.95	7.31	686.66	645.75	40.91	16.784	
10,300.00	10,244.79	10,287.29	10,278.13	28.30	13.19	74.059	123.16	3.15	683.24	642.08	41.15	16.602	
10,302.00	10,246.79	10,289.54	10,280.38	28.31	13.19	72.915	123.14	3.04	683.13	641.97	41.16	16.597	
10,397.00	10,341.77	10,377.75	10,368.49	28.19	13.39	11.028	122.40	-1.01	676.99	635.77	41.22	16.425	
10,400.00	10,344.77	10,380.46	10,371.20	28.18	13.40	11.031	122.39	-1.12	676.77	635.56	41.22	16.420	
10,491.00	10,435.72	10,462.66	10,453.35	27.96	13.61	11.379	122.23	-3.81	670.88	629.71	41.18	16.293	
10,500.00	10,444.71	10,470.80	10,461.49	27.94	13.63	10.114	122.24	-4.01	670.37	629.20	41.17	16.283	
10,539.00	10,483.69	10,506.17	10,496.86	27.84	13.71	4.336	122.34	-4.80	668.27	627.14	41.14	16.245	
10,600.00	10,544.55	10,561.65	10,552.32	28.35	13.83	-72.173	122.62	-5.68	665.31	623.54	41.77	15.929	
10,634.00	10,578.20	10,592.32	10,582.99	28.64	13.89	-78.314	122.83	-5.97	663.80	621.69	42.10	15.766	
10,700.00	10,641.22	10,649.67	10,640.34	28.70	14.02	-80.074	123.32	-6.15	659.82	617.74	42.08	15.678	
10,729.00	10,667.07	10,673.14	10,663.81	28.73	14.07	-81.406	123.56	-6.09	657.57	615.54	42.03	15.644	
10,800.00	10,724.17	10,730.43	10,721.09	28.72	14.12	-87.516	124.20	-5.83	653.35	611.61	41.73	15.655	
10,824.00	10,741.19	10,747.78	10,738.44	28.71	14.13	-89.173	124.40	-5.78	652.82	611.23	41.59	15.695	
10,831.88	10,746.53	10,753.21	10,743.88	28.71	14.14	-89.685	124.46	-5.77	652.79	611.24	41.55	15.713	
10,900.00	10,789.14	10,796.43	10,787.09	28.68	14.18	-93.457	124.96	-5.72	655.76	614.70	41.07	15.968	
10,919.00	10,799.85	10,807.23	10,797.89	28.67	14.19	-94.288	125.09	-5.72	657.74	616.83	40.92	16.076	
11,000.00	10,841.64	10,849.24	10,839.90	28.67	14.23	-97.916	125.60	-5.76	672.56	632.32	40.24	16.715	
11,014.00	10,848.30	10,855.92	10,846.57	28.67	14.24	-98.425	125.68	-5.78	676.19	636.08	40.11	16.857	
11,050.00	10,864.80	10,872.41	10,863.07	29.07	14.26	-100.253	125.88	-5.82	687.21	646.95	40.26	17.069	
11,060.00	10,869.23	10,876.85	10,867.50	29.08	14.26	-100.725	125.94	-5.83	690.71	650.52	40.20	17.184	
11,090.00	10,882.45	10,890.09	10,880.74	29.09	14.28	-101.074	126.10	-5.88	701.64	661.63	40.01	17.539	
11,100.00	10,886.84	10,894.49	10,885.14	29.10	14.28	-101.283	126.15	-5.89	705.38	665.44	39.94	17.660	
11,120.00	10,895.46	10,903.12	10,893.77	29.11	14.29	-101.678	126.26	-5.93	713.17	673.35	39.82	17.910	
11,200.00	10,929.51	10,937.21	10,927.86	29.16	14.34	-104.317	126.66	-6.09	748.01	708.63	39.38	18.995	
11,220.00	10,938.02	10,945.74	10,936.39	29.17	14.35	-104.968	126.76	-6.14	757.56	718.28	39.28	19.286	
11,250.00	10,950.25	10,957.98	10,948.63	29.19	14.36	-105.126	126.91	-6.21	772.78	733.63	39.14	19.743	
11,300.00	10,968.18	10,976.00	10,966.64	29.24	14.40	-104.830	127.11	-6.33	800.97	762.02	38.95	20.562	
11,320.00	10,974.47	10,982.36	10,973.00	29.25	14.41	-104.505	127.18	-6.38	813.19	774.30	38.89	20.910	
11,350.00	10,982.78	10,990.72	10,981.37	29.28	14.43	-103.185	127.27	-6.44	832.50	793.70	38.80	21.455	
11,400.00	10,993.20	11,001.13	10,991.77	29.33	14.46	-99.940	127.38	-6.51	867.21	828.53	38.67	22.423	
11,450.00	10,999.26	11,007.00	10,997.64	29.39	14.47	-95.232	127.43	-6.56	904.61	866.05	38.57	23.456	
11,488.75	11,000.93	11,008.38	10,999.03	29.43	14.47	-90.476	127.45	-6.57	935.13	896.63	38.50	24.292	
11,500.00	11,001.03	11,008.38	10,999.02	29.45	14.47	-90.476	127.45	-6.57	944.17	905.69	38.48	24.539	
11,513.75	11,001.15	11,008.38	10,999.02	29.46	14.47	-90.475	127.45	-6.57	955.29	916.84	38.45	24.843	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report

PERMIAN

RESOURCES

Company:	Permian Resources	Local Co-ordinate Reference:	Well Batman Fed Com 201H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3641.38usft (H&P 296)
Reference Site:	Batman	MD Reference:	RKB @ 3641.38usft (H&P 296)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ST01 / 71612	Database:	USA Compass
Reference Design:	Plan 3 03-03-23	Offset TVD Reference:	Reference Datum

Offset Design: Batman - Batman Fed Com 132H - ST01 / 71611 - Surveys (H&P 296)													Offset Site Error: 0.00 usft
Survey Program: 178-MWD+IFR1+MS, 9875-MWD+IFR1+MS													Offset Well Error: 1.00 usft
Reference	Offset	Semi Major Axis	Highside	Rule Assigned:				Warning					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	0.05	0.00	1.00	1.00	89.312	0.36	29.98	29.99				
100.00	100.00	100.08	100.03	1.27	1.35	-173.802	0.32	29.93	30.05	27.44	2.62	11.485	
178.00	178.00	178.11	178.06	1.89	1.89	-173.682	0.22	29.81	30.20	26.42	3.78	7.980	
200.00	200.00	200.10	200.05	1.96	1.96	-169.517	0.18	29.77	30.26	26.35	3.91	7.736	
261.00	261.00	261.08	261.03	2.14	2.14	-159.370	-0.05	29.69	30.45	26.18	4.27	7.131	
300.00	300.00	300.15	300.10	2.25	2.25	-167.983	-0.34	29.60	30.57	26.09	4.48	6.818	
345.00	345.00	345.23	345.17	2.38	2.38	-174.376	-0.91	29.39	30.66	25.93	4.73	6.478	
400.00	400.00	400.30	400.24	2.54	2.54	-175.590	-1.74	28.99	30.68	25.66	5.02	6.111	
429.00	428.99	429.34	429.27	2.62	2.62	-176.230	-2.17	28.72	30.64	25.47	5.17	5.924	
500.00	499.99	500.33	500.25	2.81	2.82	-150.737	-3.19	28.02	30.46	24.93	5.53	5.510	
514.00	513.99	514.33	514.24	2.84	2.87	-144.589	-3.39	27.89	30.41	24.81	5.60	5.432	
598.00	597.99	598.25	598.16	3.06	3.10	-125.339	-4.56	27.17	30.19	24.21	5.98	5.046	
600.00	599.99	600.25	600.16	3.06	3.11	-125.306	-4.58	27.15	30.18	24.19	5.99	5.037	
662.94	662.93	663.14	663.04	3.24	3.30	-137.084	-5.46	26.74	30.14	23.82	6.31	4.774	
695.00	694.99	695.18	695.07	3.33	3.40	-146.880	-5.93	26.56	30.15	23.67	6.48	4.656	
700.00	699.99	700.17	700.07	3.34	3.44	-144.104	-6.00	26.53	30.15	23.64	6.52	4.627	
790.00	789.99	790.03	789.92	3.57	4.03	-96.134	-7.40	26.27	30.33	23.07	7.26	4.175	
800.00	799.99	800.02	799.90	3.60	4.09	-98.720	-7.57	26.26	30.37	23.02	7.35	4.134	
885.00	884.99	885.00	884.87	3.81	4.66	-116.472	-9.02	26.40	30.97	22.92	8.04	3.851	
900.00	899.99	899.88	899.75	3.84	4.69	-112.540	-9.29	26.45	31.12	23.03	8.09	3.845	
980.00	979.99	979.89	979.74	4.04	4.88	-89.145	-10.84	26.68	31.82	23.45	8.37	3.802	
1,000.00	999.99	999.89	999.74	4.08	4.99	-97.278	-11.24	26.73	31.99	23.48	8.50	3.762	
1,075.00	1,074.98	1,074.91	1,074.75	4.26	5.38	-133.762	-12.60	26.90	32.71	23.71	9.00	3.635	
1,100.00	1,099.98	1,099.92	1,099.75	4.32	5.51	-124.193	-13.01	26.95	32.97	23.80	9.16	3.597	
1,170.00	1,169.98	1,169.95	1,169.77	4.49	5.88	-105.773	-14.01	27.11	33.62	23.98	9.64	3.489	
1,200.00	1,199.98	1,200.02	1,199.84	4.57	5.94	-113.954	-14.39	27.14	33.85	24.11	9.74	3.477	
1,265.00	1,264.98	1,265.18	1,265.00	4.73	6.09	-131.411	-15.15	27.00	34.23	24.28	9.95	3.440	
1,300.00	1,299.98	1,300.23	1,300.05	4.81	6.16	-132.484	-15.50	26.82	34.38	24.31	10.07	3.415	
1,360.00	1,359.98	1,360.33	1,360.14	4.96	6.28	-134.392	-15.97	26.43	34.50	24.24	10.27	3.361	
1,400.00	1,399.98	1,400.34	1,400.15	5.06	6.37	-132.916	-16.24	26.12	34.50	24.09	10.41	3.315	
1,462.00	1,461.98	1,462.34	1,462.15	5.21	6.51	-125.350	-16.72	25.60	34.36	23.73	10.63	3.234	
1,500.00	1,499.98	1,500.35	1,500.16	5.29	6.59	-155.916	-17.05	25.26	34.25	23.52	10.73	3.192	
1,549.00	1,548.97	1,549.37	1,549.17	5.38	6.68	-170.259	-17.51	24.78	34.20	23.34	10.86	3.149	
1,600.00	1,599.97	1,600.36	1,600.16	5.44	6.78	-124.465	-17.90	24.31	34.12	23.13	11.00	3.103	
1,644.00	1,643.97	1,644.35	1,644.15	5.49	6.87	85.901	-18.09	23.97	33.93	22.82	11.11	3.054	
1,700.00	1,699.97	1,700.27	1,700.07	5.50	6.97	62.793	-18.31	23.62	33.58	22.35	11.22	2.991	
1,740.00	1,739.97	1,740.22	1,740.01	5.51	7.05	53.150	-18.54	23.42	33.28	21.97	11.31	2.944	
1,800.00	1,799.96	1,800.39	1,800.18	5.52	7.12	58.499	-18.44	23.21	32.63	21.15	11.48	2.842	
1,835.00	1,834.96	1,835.49	1,835.28	5.52	7.17	60.433	-17.94	23.15	32.09	20.50	11.58	2.770	
1,900.00	1,899.96	1,900.55	1,900.32	5.54	7.16	50.818	-16.18	23.27	30.87	19.16	11.71	2.636	
1,930.00	1,929.95	1,930.56	1,930.30	5.55	7.15	44.718	-15.01	23.45	30.27	18.50	11.77	2.571	
2,000.00	1,999.95	2,000.57	2,000.24	5.57	7.12	38.820	-11.96	23.91	28.81	16.88	11.93	2.414	
2,025.00	2,024.94	2,025.57	2,025.22	5.58	7.11	36.693	-10.84	24.05	28.27	16.28	11.99	2.358	
2,100.00	2,099.94	2,100.57	2,100.12	5.61	7.09	32.551	-7.08	24.44	26.74	14.55	12.18	2.195	
2,120.00	2,119.93	2,120.56	2,120.07	5.62	7.08	31.107	-5.94	24.54	26.38	14.15	12.24	2.156	
2,172.34	2,172.27	2,172.79	2,172.20	5.67	7.08	59.412	-2.57	24.87	25.92	13.50	12.41	2.088 CC, ES	
2,200.00	2,199.93	2,200.36	2,199.69	5.70	7.08	110.601	-0.54	25.08	26.07	13.56	12.51	2.084 SF	
2,216.00	2,215.93	2,216.30	2,215.58	5.71	7.08	132.262	0.72	25.21	26.30	13.74	12.56	2.094	
2,300.00	2,299.92	2,299.98	2,298.98	5.85	7.07	143.189	7.56	26.03	29.40	16.55	12.85	2.288	
2,311.00	2,310.91	2,310.93	2,309.89	5.87	7.07	142.567	8.46	26.15	30.02	17.14	12.88	2.331	
2,400.00	2,399.83	2,399.51	2,398.14	6.07	7.09	135.672	15.94	27.18	36.51	23.40	13.12	2.784	
2,406.00	2,405.82	2,405.47	2,404.09	6.08	7.09	135.361	16.46	27.25	37.03	23.90	13.13	2.821	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report

PERMIAN

RESOURCES

Company:	Permian Resources	Local Co-ordinate Reference:	Well Batman Fed Com 201H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3641.38usft (H&P 296)
Reference Site:	Batman	MD Reference:	RKB @ 3641.38usft (H&P 296)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ST01 / 71612	Database:	USA Compass
Reference Design:	Plan 3 03-03-23	Offset TVD Reference:	Reference Datum

Offset Design: Batman - Batman Fed Com 132H - ST01 / 71611 - Surveys (H&P 296)													Offset Site Error: 0.00 usft
Survey Program: 178-MWD+IFR1+MS, 9875-MWD+IFR1+MS													Offset Well Error: 1.00 usft
Reference	Offset	Semi Major Axis	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
2,500.00	2,499.59	2,498.96	2,497.22	6.30	7.12	134.787	24.49	28.50	46.25	32.90	13.35	3.464	
2,501.00	2,500.59	2,499.95	2,498.21	6.30	7.12	134.790	24.57	28.51	46.36	33.00	13.35	3.472	
2,597.00	2,596.19	2,594.79	2,592.60	6.54	7.18	133.353	33.62	29.82	57.85	44.26	13.58	4.259	
2,600.00	2,599.18	2,597.74	2,595.54	6.55	7.18	133.309	33.93	29.86	58.24	44.65	13.59	4.285	
2,692.00	2,690.69	2,688.13	2,685.32	6.78	7.25	131.766	44.29	31.22	70.97	57.16	13.80	5.141	
2,700.00	2,698.65	2,695.99	2,693.12	6.80	7.25	131.306	45.26	31.35	72.13	58.31	13.82	5.218	
2,787.00	2,785.19	2,781.69	2,778.12	7.03	7.32	126.509	56.08	32.92	84.74	70.71	14.03	6.040	
2,800.00	2,798.12	2,794.48	2,790.80	7.06	7.33	126.755	57.73	33.17	86.64	72.57	14.06	6.161	
2,882.00	2,879.59	2,874.96	2,870.56	7.29	7.41	128.229	68.37	34.89	99.48	85.21	14.27	6.971	
2,900.00	2,897.46	2,892.82	2,888.25	7.35	7.43	129.183	70.78	35.30	102.49	88.17	14.32	7.155	
2,978.00	2,974.77	2,970.92	2,965.64	7.59	7.51	132.822	81.17	36.55	115.85	101.28	14.57	7.952	
3,000.00	2,996.56	2,992.86	2,987.40	7.65	7.54	133.155	84.03	36.75	119.66	105.02	14.64	8.173	
3,073.00	3,068.84	3,065.60	3,059.54	7.89	7.64	134.263	93.30	37.20	132.13	117.25	14.88	8.880	
3,100.00	3,095.57	3,092.59	3,086.32	7.97	7.68	133.509	96.64	37.29	136.61	121.64	14.97	9.125	
3,168.00	3,162.96	3,160.77	3,154.05	8.19	7.79	131.629	104.41	37.54	147.16	131.95	15.21	9.678	
3,200.00	3,194.68	3,193.26	3,186.36	8.30	7.84	134.257	107.78	37.63	151.88	136.56	15.32	9.912	
3,263.00	3,257.10	3,257.50	3,250.32	8.51	7.96	139.207	113.78	37.54	161.16	145.60	15.56	10.357	
3,300.00	3,293.74	3,295.50	3,288.21	8.63	8.05	141.953	116.85	37.32	166.57	150.86	15.71	10.602	
3,358.00	3,351.12	3,355.23	3,347.80	8.83	8.19	146.123	120.68	36.80	174.95	158.99	15.95	10.966	
3,400.00	3,392.66	3,398.11	3,390.64	8.98	8.27	148.023	122.76	36.30	180.78	164.64	16.13	11.206	
3,453.00	3,445.12	3,452.31	3,444.79	9.17	8.38	150.555	124.75	35.53	187.60	171.24	16.36	11.469	
3,500.00	3,491.65	3,498.93	3,491.39	9.34	8.47	150.844	125.99	34.90	193.51	176.95	16.56	11.685	
3,548.00	3,539.12	3,546.45	3,538.89	9.51	8.56	151.281	126.94	34.43	199.81	183.04	16.77	11.913	
3,600.00	3,590.47	3,597.93	3,590.38	9.71	8.62	151.967	127.56	34.14	207.06	190.04	17.02	12.166	
3,644.00	3,633.84	3,641.38	3,633.82	9.88	8.67	152.683	127.74	34.06	213.63	196.40	17.24	12.395	
3,700.00	3,689.00	3,697.15	3,689.59	10.09	8.69	154.885	127.65	34.02	222.27	204.75	17.51	12.693	
3,739.00	3,727.42	3,736.03	3,728.47	10.24	8.70	156.363	127.48	33.95	228.27	210.57	17.70	12.894	
3,800.00	3,787.47	3,797.50	3,789.94	10.48	8.72	156.269	126.95	33.69	237.65	219.63	18.01	13.192	
3,834.00	3,820.91	3,831.78	3,824.22	10.61	8.73	156.278	126.49	33.44	242.87	224.68	18.19	13.351	
3,900.00	3,885.76	3,897.20	3,889.62	10.87	8.75	155.145	125.47	32.85	253.13	234.59	18.54	13.652	
3,929.00	3,914.23	3,925.90	3,918.32	10.99	8.76	154.722	125.00	32.55	257.73	239.03	18.70	13.783	
4,000.00	3,983.87	3,995.95	3,988.35	11.27	8.80	151.619	123.86	31.77	268.95	249.86	19.09	14.087	
4,024.00	4,007.40	4,019.62	4,012.01	11.37	8.81	150.627	123.48	31.48	272.70	253.47	19.23	14.183	
4,100.00	4,081.87	4,095.57	4,087.95	11.68	8.85	149.398	122.12	30.42	284.48	264.81	19.66	14.467	
4,119.00	4,100.48	4,114.57	4,106.95	11.76	8.87	149.125	121.73	30.11	287.39	267.62	19.78	14.533	
4,200.00	4,179.76	4,195.46	4,187.80	12.10	8.92	150.987	119.86	28.58	299.87	279.61	20.26	14.802	
4,214.00	4,193.46	4,209.44	4,201.77	12.15	8.93	151.299	119.50	28.28	302.04	281.70	20.34	14.848	
4,300.00	4,277.54	4,292.83	4,285.12	12.52	9.00	151.750	117.63	26.53	315.77	294.91	20.86	15.138	
4,310.00	4,287.31	4,302.51	4,294.80	12.56	9.01	151.797	117.45	26.34	317.42	296.50	20.92	15.174	
4,400.00	4,375.41	4,389.14	4,381.41	12.94	9.11	152.621	116.43	24.71	331.95	310.50	21.45	15.475	
4,405.00	4,380.31	4,393.96	4,386.22	12.96	9.12	152.650	116.40	24.63	332.74	311.26	21.48	15.490	
4,500.00	4,473.56	4,488.10	4,480.35	13.35	9.25	154.777	116.09	22.94	347.33	325.29	22.04	15.756	
4,595.00	4,566.84	4,581.97	4,574.20	13.75	9.39	155.533	115.89	21.07	361.84	339.23	22.61	16.000	
4,600.00	4,571.75	4,586.90	4,579.13	13.77	9.40	155.564	115.89	20.97	362.62	339.98	22.65	16.013	
4,690.00	4,660.33	4,677.01	4,669.21	14.17	9.55	155.870	115.90	18.97	375.20	351.99	23.21	16.167	
4,700.00	4,670.20	4,687.06	4,679.26	14.21	9.56	155.844	115.91	18.73	376.45	353.18	23.27	16.179	
4,785.00	4,754.02	4,771.71	4,763.89	14.56	9.71	155.656	116.00	16.60	387.21	363.43	23.78	16.284	
4,800.00	4,768.81	4,786.63	4,778.80	14.63	9.74	155.624	116.01	16.21	389.13	365.26	23.87	16.303	
4,881.00	4,848.65	4,866.40	4,858.55	14.96	9.87	155.464	115.96	14.19	399.58	375.22	24.36	16.400	
4,900.00	4,867.37	4,885.07	4,877.21	15.04	9.91	155.497	115.91	13.74	402.05	377.57	24.48	16.423	
4,976.00	4,942.25	4,959.20	4,951.32	15.36	10.04	155.631	115.75	12.02	412.19	387.25	24.95	16.524	
5,000.00	4,965.88	4,982.72	4,974.83	15.46	10.08	155.657	115.72	11.51	415.48	390.39	25.09	16.557	

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Anticollision Report

PERMIAN

RESOURCES

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Reference Design:	Plan 3 03-03-23	Offset TVD Reference:	Reference Datum

Offset Design: Batman - Batman Fed Com 132H - ST01 / 71611 - Surveys (H&P 296)													Offset Site Error: 0.00 usft
Survey Program: 178-MWD+IFR1+MS, 9875-MWD+IFR1+MS													Offset Well Error: 1.00 usft
Reference	Offset	Semi Major Axis	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
5,071.00	5,035.78	5,053.19	5,045.29	15.76	10.20	155.768	115.51	9.98	425.33	399.78	25.54	16.653	
5,100.00	5,064.32	5,081.89	5,073.98	15.88	10.25	155.706	115.36	9.34	429.40	403.68	25.73	16.692	
5,166.00	5,129.22	5,146.96	5,139.03	16.16	10.37	155.578	115.16	7.89	438.88	412.73	26.14	16.786	
5,200.00	5,162.65	5,180.42	5,172.48	16.31	10.43	156.599	115.14	7.15	443.83	417.47	26.36	16.836	
5,261.00	5,222.64	5,240.33	5,232.38	16.57	10.54	158.413	115.11	5.84	452.73	425.98	26.75	16.925	
5,300.00	5,261.01	5,278.87	5,270.92	16.73	10.61	159.520	115.08	5.01	458.43	431.44	27.00	16.981	
5,347.00	5,307.27	5,325.67	5,317.70	16.93	10.70	160.842	115.07	3.98	465.27	437.97	27.29	17.046	
5,400.00	5,359.42	5,378.84	5,370.85	17.16	10.81	160.243	115.10	2.75	472.94	445.30	27.64	17.109	
5,448.00	5,406.65	5,427.25	5,419.25	17.37	10.91	159.720	115.21	1.53	479.84	451.88	27.97	17.158	
5,500.00	5,457.79	5,478.69	5,470.67	17.59	11.01	164.933	115.40	0.14	487.42	459.11	28.31	17.218	
5,543.00	5,500.07	5,520.60	5,512.57	17.78	11.10	169.117	115.52	-0.94	493.95	465.36	28.59	17.280	
5,600.00	5,556.08	5,576.45	5,568.40	18.03	11.22	176.477	115.65	-2.32	503.05	474.09	28.96	17.372	
5,638.00	5,593.38	5,613.81	5,605.75	18.20	11.30	-178.979	115.74	-3.24	509.40	480.20	29.20	17.444	
5,700.00	5,654.21	5,674.67	5,666.59	18.47	11.43	-178.890	115.87	-4.70	519.94	490.34	29.60	17.564	
5,734.00	5,687.57	5,708.02	5,699.93	18.62	11.50	-178.840	115.93	-5.49	525.71	495.88	29.82	17.628	
5,800.00	5,752.35	5,768.86	5,760.75	18.91	11.61	-178.706	116.11	-6.78	536.97	506.76	30.20	17.779	
5,829.00	5,780.82	5,794.38	5,786.28	19.04	11.65	-178.654	116.26	-7.11	542.10	511.74	30.35	17.859	
5,900.00	5,850.56	5,855.59	5,847.48	19.34	11.73	-177.082	116.86	-7.29	555.24	524.56	30.68	18.099	
5,924.00	5,874.14	5,875.74	5,867.62	19.45	11.74	-176.552	117.11	-7.12	559.91	529.14	30.77	18.198	
6,000.00	5,948.95	5,942.11	5,933.97	19.78	11.77	179.660	118.14	-5.75	574.81	543.76	31.05	18.513	
6,019.00	5,967.70	5,960.86	5,952.72	19.87	11.76	178.580	118.46	-5.27	578.39	547.27	31.12	18.587	
6,100.00	6,047.80	6,041.26	6,033.07	20.22	11.73	175.340	119.81	-3.25	592.45	561.04	31.41	18.862	
6,114.00	6,061.67	6,055.29	6,047.10	20.28	11.72	174.674	120.04	-2.90	594.67	563.21	31.46	18.902	
6,200.00	6,147.01	6,141.74	6,133.52	20.63	11.70	171.728	121.49	-0.91	607.20	575.43	31.76	19.117	
6,209.00	6,155.95	6,150.82	6,142.59	20.67	11.69	171.366	121.64	-0.71	608.40	576.61	31.79	19.136	
6,300.00	6,246.38	6,242.41	6,234.16	21.03	11.68	172.387	123.05	1.16	620.34	588.23	32.11	19.318	
6,304.00	6,250.36	6,246.42	6,238.17	21.05	11.68	172.432	123.11	1.24	620.86	588.73	32.13	19.325	
6,400.00	6,345.85	6,341.02	6,332.74	21.43	11.66	170.436	124.35	3.05	632.46	600.02	32.45	19.491	
6,495.00	6,440.54	6,434.09	6,425.78	21.79	11.63	161.265	125.08	5.16	642.03	609.28	32.75	19.606	
6,500.00	6,445.53	6,439.19	6,430.87	21.81	11.63	161.268	125.11	5.28	642.45	609.69	32.76	19.610	
6,590.00	6,535.39	6,530.66	6,522.33	22.11	11.59	161.258	125.57	7.22	649.11	616.09	33.02	19.656	
6,600.00	6,545.38	6,540.78	6,532.45	22.15	11.59	160.948	125.62	7.42	649.73	616.68	33.05	19.659	
6,685.00	6,630.33	6,627.31	6,618.96	22.40	11.57	155.031	126.12	9.05	653.88	620.61	33.27	19.654	
6,700.00	6,645.33	6,642.69	6,634.34	22.45	11.57	153.731	126.21	9.31	654.42	621.11	33.30	19.650	
6,780.00	6,725.31	6,723.59	6,715.23	22.66	11.55	147.478	126.68	10.56	657.21	623.73	33.48	19.628	
6,800.00	6,745.31	6,743.51	6,735.15	22.71	11.55	148.902	126.77	10.87	657.92	624.39	33.53	19.623	
6,875.00	6,820.29	6,818.33	6,809.95	22.92	11.54	154.207	127.02	12.03	660.62	626.92	33.70	19.604	
6,900.00	6,845.28	6,843.31	6,834.93	22.99	11.54	155.683	127.09	12.42	661.53	627.78	33.76	19.596	
6,970.00	6,915.26	6,913.26	6,904.87	23.18	11.52	160.212	127.28	13.52	664.06	630.13	33.93	19.573	
7,000.00	6,945.26	6,943.25	6,934.85	23.26	11.52	160.512	127.35	13.98	665.12	631.12	34.00	19.563	
7,065.00	7,010.24	7,008.11	6,999.71	23.44	11.51	161.224	127.46	15.00	667.37	633.21	34.16	19.537	
7,100.00	7,045.24	7,043.00	7,034.59	23.53	11.51	161.174	127.51	15.55	668.57	634.33	34.24	19.523	
7,160.00	7,105.22	7,103.33	7,094.92	23.70	11.50	161.096	127.59	16.51	670.66	636.26	34.40	19.497	
7,200.00	7,145.22	7,143.78	7,135.36	23.81	11.50	161.930	127.66	17.11	672.03	637.53	34.50	19.478	
7,255.00	7,200.20	7,198.69	7,190.26	23.96	11.49	163.094	127.76	17.91	673.89	639.25	34.64	19.452	
7,300.00	7,245.20	7,243.34	7,234.92	24.08	11.49	163.833	127.81	18.58	675.44	640.67	34.76	19.430	
7,351.00	7,296.18	7,294.41	7,285.98	24.22	11.49	164.645	127.84	19.36	677.22	642.32	34.90	19.405	
7,400.00	7,345.17	7,343.63	7,335.19	24.36	11.49	167.597	127.86	20.09	678.91	643.87	35.03	19.379	
7,446.00	7,391.17	7,389.79	7,381.35	24.48	11.49	170.762	127.86	20.76	680.42	645.26	35.16	19.352	
7,500.00	7,445.16	7,443.98	7,435.53	24.63	11.49	170.778	127.83	21.53	682.16	646.85	35.31	19.320	
7,541.00	7,486.15	7,485.44	7,476.98	24.74	11.49	170.932	127.79	22.11	683.46	648.04	35.43	19.293	
7,600.00	7,545.14	7,545.10	7,536.64	24.90	11.49	173.801	127.71	22.88	685.29	649.69	35.60	19.252	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report

PERMIAN

RESOURCES

Company:	Permian Resources	Local Co-ordinate Reference:	Well Batman Fed Com 201H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3641.38usft (H&P 296)
Reference Site:	Batman	MD Reference:	RKB @ 3641.38usft (H&P 296)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ST01 / 71612	Database:	USA Compass
Reference Design:	Plan 3 03-03-23	Offset TVD Reference:	Reference Datum

Offset Design: Batman - Batman Fed Com 132H - ST01 / 71611 - Surveys (H&P 296)													Offset Site Error: 0.00 usft
Survey Program: 178-MWD+IFR1+MS, 9875-MWD+IFR1+MS													Offset Well Error: 1.00 usft
Reference	Offset	Semi Major Axis	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
7,636.00	7,581.13	7,581.44	7,572.97	25.00	11.49	175.535	127.63	23.32	686.38	650.68	35.70	19.225	
7,700.00	7,645.13	7,645.78	7,637.31	25.17	11.49	178.746	127.43	24.06	688.23	652.34	35.89	19.177	
7,731.00	7,676.12	7,676.27	7,667.80	25.25	11.49	-179.460	127.30	24.42	689.10	653.12	35.98	19.154	
7,800.00	7,745.11	7,744.25	7,735.78	25.42	11.49	-176.922	126.91	25.29	691.05	654.88	36.17	19.105	
7,826.00	7,771.11	7,770.06	7,761.58	25.49	11.49	-175.885	126.73	25.65	691.79	655.54	36.25	19.086	
7,900.00	7,845.10	7,843.52	7,835.03	25.67	11.48	-175.045	126.06	26.69	693.89	657.43	36.46	19.032	
7,921.00	7,866.10	7,864.38	7,855.88	25.73	11.48	-174.791	125.85	26.99	694.49	657.97	36.52	19.017	
8,000.00	7,945.09	7,942.99	7,934.49	25.92	11.48	-171.340	125.06	28.18	696.75	660.00	36.75	18.960	
8,016.00	7,961.09	7,958.98	7,950.48	25.96	11.48	-170.625	124.90	28.42	697.20	660.41	36.80	18.948	
8,100.00	8,045.08	8,042.63	8,034.11	26.17	11.48	-171.877	124.08	29.70	699.74	662.70	37.05	18.887	
8,112.00	8,057.08	8,054.48	8,045.95	26.20	11.48	-172.015	123.97	29.89	700.13	663.05	37.08	18.880	
8,200.00	8,145.07	8,142.17	8,133.63	26.42	11.49	-161.926	123.25	31.34	703.06	665.71	37.35	18.823	
8,207.00	8,152.07	8,149.27	8,140.73	26.43	11.50	-161.129	123.20	31.45	703.29	665.91	37.37	18.818	
8,300.00	8,245.06	8,243.19	8,234.64	26.64	11.52	-156.815	122.59	32.88	706.03	668.38	37.65	18.753	
8,303.00	8,248.05	8,246.20	8,237.65	26.65	11.52	-156.632	122.57	32.93	706.11	668.45	37.66	18.751	
8,398.00	8,343.05	8,341.30	8,332.74	26.87	11.55	-161.017	122.28	34.32	708.77	670.84	37.94	18.683	
8,400.00	8,345.04	8,343.30	8,334.73	26.87	11.55	-161.018	122.28	34.35	708.83	670.89	37.94	18.682	
8,493.00	8,438.03	8,435.05	8,426.48	27.09	11.60	-158.573	122.49	35.71	711.53	673.32	38.21	18.620	
8,500.00	8,445.03	8,441.83	8,433.26	27.10	11.61	-157.766	122.50	35.82	711.74	673.51	38.23	18.616	
8,589.00	8,534.03	8,530.76	8,522.18	27.29	11.66	-145.320	122.64	37.40	714.35	675.86	38.49	18.562	
8,600.00	8,545.03	8,542.25	8,533.66	27.31	11.67	-146.818	122.69	37.59	714.64	676.12	38.52	18.553	
8,684.00	8,629.02	8,631.12	8,622.52	27.48	11.75	-155.568	123.33	38.73	716.77	677.99	38.78	18.484	
8,700.00	8,645.01	8,648.31	8,639.70	27.51	11.77	-152.263	123.51	38.87	717.12	678.29	38.82	18.472	
8,780.00	8,725.01	8,742.74	8,734.13	27.64	11.89	-118.191	124.45	38.81	717.76	678.70	39.06	18.374	
8,800.00	8,745.01	8,767.86	8,759.25	27.65	11.93	-111.081	124.56	38.40	717.51	678.40	39.11	18.346	
8,875.00	8,820.00	8,839.55	8,830.92	27.69	11.98	-95.278	124.68	36.99	716.21	677.02	39.19	18.274	
8,900.00	8,845.00	8,862.33	8,853.70	27.69	11.99	-90.780	124.70	36.68	715.89	676.69	39.20	18.263	
8,970.00	8,914.99	8,926.55	8,917.92	27.68	12.04	-78.257	124.81	36.16	715.23	676.01	39.22	18.237	
9,000.00	8,944.99	8,954.11	8,945.48	27.66	12.06	-80.192	124.91	36.09	715.08	675.86	39.22	18.232	
9,066.00	9,010.98	9,020.93	9,012.29	27.64	12.11	-84.312	125.16	36.08	714.95	675.70	39.25	18.215	
9,100.00	9,044.98	9,056.57	9,047.94	27.64	12.14	-87.810	125.18	35.98	714.81	675.53	39.28	18.198	
9,161.00	9,105.97	9,124.32	9,115.68	27.64	12.18	-93.055	125.14	35.40	714.31	674.95	39.35	18.152	
9,200.00	9,144.97	9,167.25	9,158.60	27.65	12.20	-96.551	125.16	34.68	713.71	674.30	39.41	18.110	
9,256.00	9,200.96	9,222.96	9,214.31	27.67	12.23	-101.760	125.12	33.63	712.80	673.33	39.47	18.059	
9,300.00	9,244.95	9,266.84	9,258.18	27.70	12.26	-109.373	124.97	32.81	712.17	672.63	39.54	18.010	
9,351.00	9,295.95	9,318.05	9,309.38	27.75	12.29	-118.987	124.67	31.86	711.55	671.92	39.63	17.954	
9,400.00	9,344.94	9,367.16	9,358.48	27.83	12.31	-135.578	124.25	30.93	711.08	671.32	39.76	17.886	
9,446.00	9,390.93	9,413.07	9,404.37	27.91	12.33	-149.507	123.76	30.07	710.81	670.93	39.87	17.827	
9,500.00	9,444.93	9,466.75	9,458.04	28.03	12.35	-150.316	123.09	29.08	710.63	670.59	40.04	17.748	
9,541.00	9,485.92	9,507.26	9,498.54	28.12	12.37	-150.865	122.60	28.35	710.56	670.40	40.17	17.691	
9,600.00	9,544.91	9,567.26	9,558.53	28.16	12.40	43.797	121.97	27.30	709.85	669.60	40.25	17.635	
9,636.00	9,580.91	9,605.29	9,596.55	28.19	12.43	36.595	121.68	26.52	708.67	668.36	40.31	17.578	
9,700.00	9,644.89	9,674.02	9,665.27	28.09	12.48	40.765	121.40	24.80	705.92	665.63	40.29	17.523	
9,731.00	9,675.89	9,707.81	9,699.03	28.04	12.51	42.919	121.36	23.76	704.45	664.18	40.27	17.491	
9,800.00	9,744.87	9,779.73	9,770.91	28.01	12.58	50.940	121.54	21.18	700.97	660.66	40.32	17.387	
9,900.00	9,844.85	9,882.76	9,873.86	27.97	12.67	63.664	122.48	17.08	695.90	655.56	40.35	17.249	
9,921.00	9,865.84	9,900.98	9,892.06	27.96	12.68	66.417	122.71	16.36	694.89	654.56	40.34	17.228	
10,000.00	9,944.84	9,970.00	9,961.03	27.97	12.72	87.602	124.11	14.25	692.17	651.83	40.34	17.158	
10,017.00	9,961.83	9,970.00	9,961.03	27.97	12.72	97.723	124.11	14.25	691.98	651.70	40.29	17.177	
10,023.97	9,968.80	9,986.99	9,978.02	27.98	12.76	99.736	124.40	13.94	691.75	651.16	40.59	17.041	
10,049.97	9,994.81	10,005.83	9,996.85	28.00	13.02	106.008	124.40	13.79	691.60	650.70	40.89	16.912	
10,100.00	10,044.83	10,042.00	10,033.00	28.06	13.62	114.177	123.39	14.06	692.17	650.69	41.47	16.690	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report

PERMIAN

RESOURCES

Company:	Permian Resources	Local Co-ordinate Reference:	Well Batman Fed Com 201H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3641.38usft (H&P 296)
Reference Site:	Batman	MD Reference:	RKB @ 3641.38usft (H&P 296)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ST01 / 71612	Database:	USA Compass
Reference Design:	Plan 3 03-03-23	Offset TVD Reference:	Reference Datum

Offset Design: Batman - Batman Fed Com 132H - ST01 / 71611 - Surveys (H&P 296)												Offset Site Error:	0.00 usft
Survey Program: 178-MWD+IFR1+MS, 9875-MWD+IFR1+MS												Offset Well Error:	1.00 usft
Reference	Offset	Semi Major Axis		Distance		Rule Assigned:		Warning					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,112.00	10,056.83	10,050.65	10,041.64	28.07	13.78	115.636	122.96	14.23	692.47	650.86	41.61	16.642	
10,200.00	10,144.81	10,134.14	10,124.91	28.22	14.12	122.141	117.46	16.66	695.78	653.78	42.00	16.567	
10,207.00	10,151.81	10,141.25	10,132.01	28.23	14.13	122.497	117.00	16.86	696.06	654.05	42.01	16.568	
10,300.00	10,244.79	10,243.54	10,234.09	28.30	14.17	75.012	110.88	19.16	698.55	656.39	42.16	16.569	
10,302.00	10,246.79	10,245.78	10,236.33	28.31	14.17	73.875	110.76	19.20	698.57	656.40	42.16	16.568	
10,397.00	10,341.77	10,359.42	10,349.80	28.19	14.24	12.468	104.86	19.33	697.02	654.86	42.16	16.532	
10,400.00	10,344.77	10,359.09	10,349.48	28.18	14.24	12.469	104.84	19.36	696.92	654.77	42.15	16.535	
10,491.00	10,435.72	10,435.16	10,425.26	27.96	14.32	13.338	98.36	19.49	694.38	652.41	41.96	16.547	
10,500.00	10,444.71	10,445.00	10,435.03	27.94	14.33	12.172	97.21	19.61	694.24	652.29	41.96	16.547	
10,529.24	10,473.94	10,462.51	10,452.37	27.87	14.34	8.088	94.84	19.95	694.02	652.14	41.88	16.570	
10,539.00	10,483.69	10,468.94	10,458.73	27.84	14.35	6.686	93.85	20.13	694.05	652.18	41.86	16.579	
10,600.00	10,544.55	10,509.02	10,498.01	28.35	14.41	-68.680	86.11	21.82	695.02	652.58	42.44	16.377	
10,634.00	10,578.20	10,540.00	10,527.92	28.64	14.49	-73.903	78.34	23.83	696.19	653.39	42.80	16.266	
10,700.00	10,641.22	10,633.09	10,616.15	28.70	14.75	-73.518	49.03	27.81	695.10	651.91	43.19	16.095	
10,729.00	10,667.07	10,662.53	10,643.33	28.73	15.03	-74.186	37.74	28.02	692.15	648.92	43.23	16.011	
10,800.00	10,724.17	10,730.00	10,702.18	28.72	15.91	-78.763	4.89	27.97	683.07	639.82	43.24	15.796	
10,824.00	10,741.19	10,749.92	10,718.46	28.71	16.10	-80.084	-6.59	27.90	679.81	636.56	43.25	15.720	
10,900.00	10,789.14	10,807.39	10,761.98	28.68	16.65	-83.075	-44.04	28.43	670.92	627.72	43.21	15.528	
10,919.00	10,799.85	10,825.00	10,774.20	28.67	16.82	-83.753	-56.71	28.81	669.13	625.91	43.21	15.485	
11,000.00	10,841.64	10,904.03	10,821.59	28.67	17.26	-86.051	-119.77	30.32	663.01	619.72	43.29	15.316	
11,014.00	10,848.30	10,918.58	10,828.89	28.67	17.34	-86.323	-132.36	30.52	662.17	618.86	43.31	15.290	
11,050.00	10,864.80	10,949.06	10,842.68	29.07	17.41	-87.286	-159.52	30.99	660.76	617.41	43.35	15.243	
11,060.00	10,869.23	10,957.45	10,846.12	29.08	17.43	-87.509	-167.17	31.15	660.61	617.26	43.35	15.239	
11,090.00	10,882.45	10,982.49	10,855.49	29.09	17.48	-86.713	-190.38	31.74	660.11	616.75	43.36	15.224	
11,100.00	10,886.84	10,990.78	10,858.28	29.10	17.50	-86.640	-198.18	31.96	659.88	616.52	43.36	15.218	
11,120.00	10,895.46	11,015.00	10,865.54	29.11	17.55	-86.358	-221.28	32.70	659.55	616.13	43.42	15.191	
11,200.00	10,929.51	11,102.93	10,880.69	29.16	17.61	-84.333	-307.73	34.23	657.96	614.35	43.61	15.088	
11,220.00	10,938.02	11,123.88	10,882.20	29.17	17.62	-83.668	-328.62	33.96	657.23	613.57	43.66	15.054	
11,250.00	10,950.25	11,151.01	10,883.94	29.19	17.62	-83.271	-355.70	33.61	656.44	612.73	43.71	15.019	
11,283.99	10,962.77	11,182.09	10,885.70	29.22	17.63	-82.804	-386.72	33.24	656.15	612.37	43.78	14.989	
11,300.00	10,968.18	11,196.84	10,886.46	29.24	17.64	-82.581	-401.45	33.07	656.21	612.40	43.81	14.979	
11,320.00	10,974.47	11,214.78	10,887.31	29.25	17.64	-82.317	-419.38	32.88	656.46	612.61	43.85	14.971	
11,350.00	10,982.78	11,241.26	10,888.48	29.28	17.65	-81.962	-445.83	32.67	657.22	613.31	43.91	14.966	
11,400.00	10,993.20	11,285.94	10,890.23	29.33	17.66	-81.407	-490.47	32.53	659.42	615.39	44.03	14.976	
11,450.00	10,999.26	11,330.07	10,891.66	29.39	17.67	-80.938	-534.58	32.68	662.66	618.50	44.15	15.008	
11,488.75	11,000.93	11,363.99	10,892.48	29.43	17.68	-80.633	-568.49	33.03	665.87	621.62	44.25	15.048	
11,500.00	11,001.03	11,373.83	10,892.67	29.45	17.68	-80.655	-578.32	33.17	666.91	622.63	44.28	15.061	
11,513.75	11,001.15	11,385.85	10,892.88	29.46	17.68	-80.680	-590.34	33.36	668.20	623.88	44.31	15.079	
11,600.00	11,001.90	11,468.09	10,893.50	29.59	17.70	-80.777	-672.56	34.93	675.43	630.79	44.64	15.131	
11,700.00	11,002.77	11,572.15	10,893.42	29.77	17.72	-80.765	-776.61	36.80	680.64	635.49	45.15	15.076	
11,763.70	11,003.33	11,642.19	10,893.77	29.87	17.74	-80.750	-846.64	37.51	681.61	636.08	45.52	14.973	
11,800.00	11,003.65	11,682.92	10,893.89	29.94	17.76	-80.728	-887.37	37.58	681.47	635.72	45.75	14.896	
11,900.00	11,004.52	11,798.91	10,895.72	30.13	17.80	-80.759	-1,003.32	35.64	678.99	632.52	46.47	14.610	
12,000.00	11,005.39	11,891.07	10,897.18	30.33	17.85	-80.787	-1,095.46	34.26	676.74	629.75	47.00	14.399	
12,100.00	11,006.26	11,999.36	10,899.26	30.55	18.01	-80.847	-1,203.71	32.33	674.18	626.45	47.73	14.126	
12,200.00	11,007.13	12,100.92	10,901.60	30.79	18.39	-80.924	-1,305.21	29.62	670.68	622.25	48.43	13.849	
12,300.00	11,008.00	12,198.72	10,902.69	31.04	18.83	-80.903	-1,402.98	27.23	667.58	618.45	49.13	13.588	
12,400.00	11,008.87	12,300.96	10,905.07	31.31	19.32	-80.988	-1,505.15	24.78	664.35	614.44	49.91	13.310	
12,500.00	11,009.74	12,401.73	10,908.48	31.59	19.82	-81.162	-1,605.83	22.23	660.82	610.10	50.72	13.029	
12,600.00	11,010.61	12,493.99	10,910.71	31.89	20.30	-81.248	-1,698.04	20.08	657.66	606.20	51.46	12.779	
12,700.00	11,011.48	12,582.03	10,911.61	32.20	20.77	-81.242	-1,786.07	19.37	656.21	604.02	52.18	12.575	
12,730.35	11,011.75	12,608.78	10,911.91	32.30	20.91	-81.247	-1,812.82	19.48	656.13	603.72	52.41	12.519	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report

PERMIAN

RESOURCES

Company:	Permian Resources	Local Co-ordinate Reference:	Well Batman Fed Com 201H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3641.38usft (H&P 296)
Reference Site:	Batman	MD Reference:	RKB @ 3641.38usft (H&P 296)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ST01 / 71612	Database:	USA Compass
Reference Design:	Plan 3 03-03-23	Offset TVD Reference:	Reference Datum

Offset Design: Batman - Batman Fed Com 132H - ST01 / 71611 - Surveys (H&P 296)													Offset Site Error: 0.00 usft
Survey Program: 178-MWD+IFR1+MS, 9875-MWD+IFR1+MS													Offset Well Error: 1.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
12,800.00	11,012.35	12,669.57	10,912.72	32.53	21.25	-81.277	-1,873.60	20.32	656.59	603.66	52.93	12.406	
12,900.00	11,013.23	12,762.94	10,914.14	32.87	21.78	-81.358	-1,966.91	23.07	658.75	604.99	53.76	12.254	
13,000.00	11,014.10	12,866.30	10,916.55	33.22	22.37	-81.518	-2,070.20	26.12	660.81	606.07	54.75	12.070	
13,100.00	11,014.97	12,961.99	10,919.30	33.59	22.93	-81.710	-2,165.81	28.89	662.75	607.09	55.66	11.907	
13,200.00	11,015.84	13,062.37	10,920.56	33.97	23.53	-81.780	-2,266.12	32.51	665.63	608.97	56.66	11.748	
13,300.00	11,016.71	13,163.91	10,921.44	34.37	24.27	-81.780	-2,387.63	34.55	666.73	608.78	57.95	11.505	
13,391.94	11,017.51	13,270.55	10,921.87	34.74	24.81	-81.744	-2,474.27	34.42	666.07	607.23	58.84	11.320	
13,400.00	11,017.58	13,277.71	10,921.84	34.77	24.85	-81.736	-2,481.43	34.46	666.08	607.16	58.91	11.306	
13,500.00	11,018.45	13,365.46	10,921.84	35.19	25.40	-81.681	-2,569.16	35.83	667.11	607.30	59.82	11.153	
13,600.00	11,019.32	13,462.39	10,923.49	35.62	26.01	-81.780	-2,666.03	38.93	669.51	608.66	60.85	11.002	
13,700.00	11,020.19	13,555.00	10,925.02	36.06	26.60	-81.875	-2,758.56	42.28	672.36	610.51	61.85	10.871	
13,800.00	11,021.06	13,671.03	10,925.53	36.52	27.36	-81.871	-2,874.52	46.25	675.24	612.06	63.19	10.687	
13,900.00	11,021.94	13,769.37	10,926.65	36.98	28.00	-81.908	-2,972.84	48.09	676.43	612.13	64.29	10.521	
14,000.00	11,022.81	13,859.43	10,928.44	37.45	28.59	-82.017	-3,062.84	50.73	678.54	613.23	65.31	10.390	
14,100.00	11,023.68	13,969.05	10,929.72	37.94	29.32	-82.074	-3,172.40	54.01	680.83	614.23	66.60	10.223	
14,200.00	11,024.55	14,088.46	10,930.46	38.43	30.12	-82.046	-3,291.80	54.59	680.68	612.67	68.02	10.008	
14,300.00	11,025.42	14,190.48	10,934.09	38.93	30.80	-82.257	-3,393.75	53.61	678.71	609.49	69.23	9.804	
14,399.39	11,026.28	14,278.30	10,937.18	39.44	31.40	-82.446	-3,481.51	53.68	677.82	607.54	70.29	9.644	
14,400.00	11,026.29	14,278.83	10,937.20	39.44	31.40	-82.447	-3,482.05	53.69	677.82	607.53	70.29	9.643	
14,500.00	11,027.16	14,370.88	10,939.75	39.96	32.03	-82.605	-3,574.04	55.35	678.71	607.30	71.41	9.505	
14,600.00	11,028.03	14,479.32	10,942.38	40.48	32.77	-82.756	-3,682.44	56.99	679.37	606.63	72.74	9.339	
14,700.00	11,028.90	14,579.06	10,944.04	41.02	33.46	-82.819	-3,782.16	57.27	678.91	604.94	73.98	9.178	
14,700.92	11,028.91	14,579.88	10,944.05	41.02	33.46	-82.819	-3,782.98	57.28	678.91	604.93	73.99	9.176	
14,800.00	11,029.77	14,677.70	10,944.71	41.56	34.14	-82.808	-3,880.80	58.37	679.40	604.19	75.20	9.034	
14,900.00	11,030.64	14,790.33	10,946.62	42.11	34.92	-82.879	-3,993.40	58.42	678.71	602.10	76.61	8.859	
15,000.00	11,031.52	14,881.67	10,947.85	42.67	35.56	-82.902	-4,084.73	57.71	677.27	599.50	77.78	8.708	
15,016.92	11,031.66	14,895.91	10,947.95	42.76	35.66	-82.899	-4,098.97	57.77	677.24	599.28	77.96	8.687	
15,100.00	11,032.39	14,979.37	10,948.47	43.23	36.24	-82.883	-4,182.43	58.45	677.41	598.38	79.02	8.572	
15,200.00	11,033.26	15,091.49	10,951.44	43.80	37.03	-83.044	-4,294.50	58.48	676.59	596.14	80.45	8.410	
15,296.70	11,034.10	15,175.79	10,955.74	44.35	37.63	-83.338	-4,378.69	58.46	675.50	593.94	81.56	8.282	
15,300.00	11,034.13	15,178.56	10,955.86	44.37	37.65	-83.347	-4,381.46	58.49	675.50	593.91	81.60	8.279	
15,400.00	11,035.00	15,285.04	10,959.86	44.95	38.40	-83.609	-4,487.85	59.49	675.49	592.51	82.98	8.140	
15,500.00	11,035.87	15,399.23	10,963.07	45.54	39.22	-83.774	-4,601.99	57.97	673.28	588.83	84.45	7.973	
15,600.00	11,036.74	15,483.00	10,964.41	46.13	39.82	-83.814	-4,685.73	57.13	671.55	585.97	85.58	7.847	
15,700.00	11,037.61	15,585.36	10,967.24	46.73	40.55	-83.973	-4,788.04	57.24	670.81	583.88	86.94	7.716	
15,799.46	11,038.48	15,678.79	10,972.23	47.33	41.22	-84.328	-4,881.34	57.85	670.37	582.19	88.19	7.602	
15,800.00	11,038.48	15,679.31	10,972.26	47.33	41.22	-84.331	-4,881.86	57.86	670.37	582.18	88.19	7.601	
15,900.00	11,039.35	15,778.88	10,978.54	47.94	41.94	-84.797	-4,981.22	59.18	670.54	581.01	89.53	7.489	
16,000.00	11,040.23	15,888.37	10,983.26	48.55	42.73	-85.111	-5,090.61	59.00	669.38	578.38	91.00	7.356	
16,054.93	11,040.70	15,934.49	10,984.79	48.89	43.07	-85.205	-5,136.70	59.08	669.02	577.38	91.63	7.301	
16,100.00	11,041.10	15,972.99	10,986.12	49.17	43.34	-85.293	-5,175.17	59.62	669.25	577.10	92.16	7.262	
16,200.00	11,041.97	16,062.34	10,988.33	49.79	43.99	-85.427	-5,264.45	61.99	671.12	577.76	93.36	7.189	
16,300.00	11,042.84	16,164.42	10,990.44	50.42	44.73	-85.547	-5,366.47	65.09	673.41	578.66	94.75	7.107	
16,400.00	11,043.71	16,259.74	10,992.38	51.04	45.43	-85.660	-5,461.71	68.53	676.26	580.21	96.05	7.041	
16,500.00	11,044.58	16,371.52	10,993.44	51.68	46.25	-85.679	-5,573.45	71.16	677.91	580.32	97.59	6.947	
16,600.00	11,045.45	16,470.59	10,994.49	52.31	46.97	-85.705	-5,672.49	73.31	679.42	580.47	98.95	6.866	
16,700.00	11,046.32	16,595.75	11,000.37	52.95	47.89	-86.110	-5,797.50	74.50	679.59	578.94	100.64	6.753	
16,800.00	11,047.19	16,699.88	11,005.18	53.60	48.66	-86.422	-5,901.48	72.06	676.34	574.27	102.07	6.626	
16,900.00	11,048.06	16,790.94	11,008.27	54.24	49.32	-86.606	-5,992.48	70.66	674.01	570.64	103.37	6.521	
17,000.00	11,048.93	16,881.19	11,010.07	54.89	49.98	-86.689	-6,082.70	70.48	673.11	568.46	104.64	6.432	
17,100.00	11,049.81	16,995.41	11,010.64	55.55	50.82	-86.649	-6,196.92	70.36	672.45	566.25	106.19	6.332	
17,200.00	11,050.68	17,126.39	11,010.15	56.20	51.79	-86.477	-6,327.77	64.94	667.71	559.91	107.81	6.194	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report

PERMIAN

RESOURCES

Company:	Permian Resources	Local Co-ordinate Reference:	Well Batman Fed Com 201H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3641.38usft (H&P 296)
Reference Site:	Batman	MD Reference:	RKB @ 3641.38usft (H&P 296)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ST01 / 71612	Database:	USA Compass
Reference Design:	Plan 3 03-03-23	Offset TVD Reference:	Reference Datum

Offset Design: Batman - Batman Fed Com 132H - ST01 / 71611 - Surveys (H&P 296)													Offset Site Error: 0.00 usft
Survey Program: 178-MWD+IFR1+MS, 9875-MWD+IFR1+MS													Offset Well Error: 1.00 usft
Reference	Offset	Semi Major Axis		Distance		Rule Assigned:		Warning					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
17,300.00	11,051.55	17,233.85	11,011.65	56.86	52.57	-86.480	-6,434.93	57.05	659.68	550.46	109.22	6.040	
17,400.00	11,052.42	17,324.06	11,014.49	57.52	53.23	-86.626	-6,524.89	51.10	652.31	541.73	110.58	5.899	
17,500.00	11,053.29	17,414.55	11,019.06	58.19	53.89	-86.934	-6,615.16	46.57	646.43	534.49	111.94	5.775	
17,600.00	11,054.16	17,505.37	11,023.55	58.86	54.56	-87.246	-6,705.80	43.21	641.89	528.60	113.29	5.666	
17,700.00	11,055.03	17,592.80	11,026.81	59.53	55.20	-87.460	-6,793.15	41.44	639.10	524.51	114.58	5.578	
17,790.72	11,055.82	17,672.00	11,028.74	60.13	55.79	-87.568	-6,872.32	41.32	638.31	522.58	115.73	5.515	
17,800.00	11,055.90	17,680.26	11,028.88	60.20	55.85	-87.574	-6,880.58	41.39	638.32	522.47	115.85	5.510	
17,900.00	11,056.77	17,774.51	11,029.64	60.87	56.55	-87.571	-6,974.82	42.57	638.93	521.74	117.19	5.452	
18,000.00	11,057.64	17,868.02	11,028.95	61.55	57.24	-87.442	-7,068.30	44.59	640.51	522.00	118.51	5.405	
18,100.00	11,058.52	17,966.07	11,028.11	62.23	57.97	-87.299	-7,166.31	47.37	642.79	522.88	119.90	5.361	
18,200.00	11,059.39	18,069.73	11,028.08	62.91	58.74	-87.225	-7,269.94	49.99	644.70	523.31	121.39	5.311	
18,300.00	11,060.26	18,168.01	11,027.58	63.59	59.47	-87.115	-7,368.17	52.88	647.06	524.27	122.79	5.270	
18,400.00	11,061.13	18,262.00	11,027.80	64.27	60.33	-87.048	-7,462.15	53.90	647.25	522.81	124.43	5.202	
18,405.81	11,061.18	18,267.23	11,027.81	64.31	60.37	-87.044	-7,467.38	53.93	647.24	522.74	124.51	5.198	
18,500.00	11,062.00	18,376.78	11,027.47	64.96	61.03	-86.948	-7,576.93	54.98	647.79	521.99	125.80	5.150	
18,600.00	11,062.87	18,479.14	11,028.22	65.65	61.80	-86.938	-7,679.28	56.17	648.31	521.05	127.26	5.094	
18,700.00	11,063.74	18,586.04	11,028.36	66.34	62.59	-86.867	-7,786.17	56.80	648.31	519.52	128.79	5.034	
18,800.00	11,064.61	18,690.41	11,028.50	67.03	63.37	-86.793	-7,890.54	56.16	647.09	516.81	130.28	4.967	
18,887.01	11,065.37	18,768.46	11,029.16	67.63	63.96	-86.788	-7,968.59	55.91	646.28	514.85	131.43	4.917	
18,900.00	11,065.48	18,779.45	11,029.36	67.72	64.04	-86.797	-7,979.57	56.01	646.30	514.71	131.59	4.911	
19,000.00	11,066.35	18,870.01	11,031.55	68.42	64.72	-86.927	-8,070.09	57.79	647.52	514.62	132.90	4.872	
19,100.00	11,067.23	18,960.04	11,033.11	69.12	65.39	-87.006	-8,160.07	60.56	649.92	515.74	134.18	4.844	
19,200.00	11,068.10	19,060.21	11,034.72	69.82	66.15	-87.088	-8,260.11	65.04	653.70	518.06	135.64	4.819	
19,300.00	11,068.97	19,165.14	11,039.77	70.51	66.93	-87.462	-8,364.85	68.75	656.40	519.21	137.18	4.785	
19,400.00	11,069.84	19,262.00	11,043.25	71.22	67.66	-87.702	-8,461.59	72.07	659.07	520.49	138.59	4.756	
19,500.00	11,070.71	19,363.19	11,046.56	71.92	68.42	-87.923	-8,562.66	75.89	662.11	522.04	140.07	4.727	
19,600.00	11,071.58	19,458.27	11,049.76	72.62	69.14	-88.137	-8,657.62	79.49	665.17	523.73	141.44	4.703	
19,700.00	11,072.45	19,574.41	11,053.15	73.33	70.02	-88.349	-8,773.63	83.41	667.89	524.72	143.17	4.665	
19,800.00	11,073.32	19,687.10	11,053.19	74.03	70.86	-88.268	-8,886.31	83.94	667.70	522.91	144.79	4.611	
19,842.89	11,073.70	19,724.92	11,052.78	74.34	71.15	-88.204	-8,924.13	84.02	667.54	522.18	145.36	4.592	
19,900.00	11,074.19	19,777.03	11,051.94	74.74	71.54	-88.094	-8,976.23	84.57	667.81	521.69	146.13	4.570	
20,000.00	11,075.06	19,881.07	11,051.07	75.45	72.32	-87.943	-9,080.26	85.77	668.39	520.75	147.64	4.527	
20,100.00	11,075.93	19,990.39	11,051.76	76.16	73.14	-87.919	-9,189.58	85.71	667.69	518.47	149.21	4.475	
20,200.00	11,076.81	20,103.86	11,053.24	76.87	73.99	-87.955	-9,303.02	84.33	665.86	515.08	150.79	4.416	
20,300.00	11,077.68	20,210.31	11,056.11	77.58	74.79	-88.109	-9,409.37	80.58	661.61	509.32	152.29	4.344	
20,400.00	11,078.55	20,303.44	11,058.16	78.30	75.49	-88.207	-9,502.43	77.66	657.79	504.08	153.72	4.279	
20,500.00	11,079.42	20,404.72	11,060.15	79.01	76.25	-88.295	-9,603.66	75.24	654.73	499.54	155.19	4.219	
20,600.00	11,080.29	20,498.05	11,063.78	79.73	76.95	-88.535	-9,696.89	72.97	651.58	494.97	156.61	4.160	
20,700.00	11,081.16	20,585.74	11,067.16	80.44	77.61	-88.763	-9,784.51	72.28	650.09	492.13	157.97	4.115	
20,725.03	11,081.38	20,607.51	11,067.97	80.62	77.77	-88.818	-9,806.26	72.38	650.03	491.74	158.30	4.106	
20,800.00	11,082.03	20,674.23	11,070.35	81.16	78.28	-88.977	-9,872.94	73.29	650.53	491.24	159.29	4.084	
20,900.00	11,082.90	20,764.01	11,073.26	81.88	78.96	-89.167	-9,962.64	75.76	652.59	492.00	160.59	4.064	
21,000.00	11,083.77	20,856.97	11,076.93	82.60	79.66	-89.421	-10,055.44	79.65	656.09	494.16	161.93	4.052	
21,100.00	11,084.64	20,952.30	11,081.51	83.32	80.38	-89.750	-10,150.55	84.33	660.33	497.02	163.31	4.043	
21,200.00	11,085.52	21,047.11	11,085.62	84.04	81.10	-90.036	-10,245.11	89.70	665.35	500.68	164.67	4.040	
21,232.73	11,085.80	21,079.22	11,086.30	84.28	81.34	-90.070	-10,277.16	91.66	667.14	502.00	165.14	4.040	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report

PERMIAN

RESOURCES

Company:	Permian Resources	Local Co-ordinate Reference:	Well Batman Fed Com 201H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3641.38usft (H&P 296)
Reference Site:	Batman	MD Reference:	RKB @ 3641.38usft (H&P 296)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ST01 / 71612	Database:	USA Compass
Reference Design:	Plan 3 03-03-23	Offset TVD Reference:	Reference Datum

Offset Design: Batman - Batman Fed Com 201H - OH / 71612 - Surveys (H&P 296)													Offset Site Error: 0.00 usft
Survey Program: 178-MWD+IFR1+MS													Offset Well Error: 1.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
11,021.51	10,851.81	11,021.51	10,851.81	1.12	0.03	124.531	-137.60	-630.86	0.00	-0.33	0.33	0.000	Level 3
11,050.00	10,864.80	11,050.00	10,864.80	5.38	0.12	123.808	-162.92	-629.39	0.00	-1.62	1.62	0.000	Level 3
11,060.00	10,869.23	11,060.00	10,869.23	5.39	0.16	123.565	-171.88	-629.04	0.00	-1.71	1.71	0.001	Level 3
11,090.00	10,882.45	11,089.98	10,882.12	5.40	0.26	64.434	-198.93	-628.49	0.81	-0.52	1.33	0.607	Level 3
11,100.00	10,886.84	11,099.95	10,886.27	5.41	0.29	64.905	-208.00	-628.48	1.39	0.06	1.32	1.048	Level 3
11,120.00	10,895.46	11,119.89	10,894.41	5.42	0.35	66.743	-226.20	-628.64	2.73	1.41	1.32	2.072	
11,200.00	10,929.51	11,199.80	10,926.30	5.47	0.57	63.586	-299.47	-628.51	7.53	5.50	2.03	3.704	
11,220.00	10,938.02	11,219.71	10,934.00	5.48	0.61	61.091	-317.83	-628.27	8.68	6.42	2.27	3.831	
11,250.00	10,950.25	11,249.50	10,944.82	5.50	0.67	56.600	-345.58	-627.90	10.34	7.73	2.61	3.966	
11,300.00	10,968.18	11,299.12	10,960.96	5.54	0.77	51.146	-392.49	-627.27	12.04	8.98	3.06	3.934	
11,320.00	10,974.47	11,318.96	10,966.74	5.55	0.81	49.172	-411.47	-627.02	12.35	9.12	3.23	3.824	CC, ES
11,320.89	10,974.74	11,319.84	10,966.99	5.56	0.81	49.083	-412.32	-627.00	12.35	9.12	3.24	3.818	
11,350.00	10,982.78	11,334.00	10,970.88	5.58	0.84	47.198	-425.93	-626.82	19.18	13.50	5.68	3.378	SF
11,400.00	10,993.20	11,334.00	10,970.88	5.62	0.84	40.218	-425.93	-626.82	65.30	59.23	6.06	10.767	
11,450.00	10,999.26	11,334.00	10,970.88	5.66	0.84	31.973	-425.93	-626.82	114.12	108.16	5.96	19.143	
11,488.75	11,000.93	11,334.00	10,970.88	5.69	0.84	27.416	-425.93	-626.82	152.03	146.12	5.91	25.731	
11,500.00	11,001.03	11,334.00	10,970.88	5.69	0.84	27.416	-425.93	-626.82	163.03	157.14	5.90	27.649	
11,513.75	11,001.15	11,334.00	10,970.88	5.70	0.84	27.416	-425.93	-626.82	176.53	170.65	5.89	29.991	
11,600.00	11,001.90	11,334.00	10,970.88	5.77	0.84	16.277	-425.93	-626.82	261.86	255.97	5.89	44.442	
11,700.00	11,002.77	11,334.00	10,970.88	5.84	0.84	-4.818	-425.93	-626.82	361.41	355.45	5.96	60.667	
11,763.70	11,003.33	11,334.00	10,970.88	5.89	0.84	-21.164	-425.93	-626.82	424.93	418.92	6.00	70.813	
11,800.00	11,003.65	11,334.00	10,970.88	5.92	0.84	-21.164	-425.93	-626.82	461.14	455.11	6.02	76.544	
11,900.00	11,004.52	11,334.00	10,970.88	5.99	0.84	-21.164	-425.93	-626.82	560.95	554.87	6.09	92.123	
12,000.00	11,005.39	11,334.00	10,970.88	6.07	0.84	-21.164	-425.93	-626.82	660.83	654.67	6.15	107.372	
12,100.00	11,006.26	11,334.00	10,970.88	6.14	0.84	-21.164	-425.93	-626.82	760.73	754.51	6.22	122.277	
12,200.00	11,007.13	11,334.00	10,970.88	6.23	0.84	-21.164	-425.93	-626.82	860.66	854.37	6.29	136.829	
12,300.00	11,008.00	11,334.00	10,970.88	6.31	0.84	-21.164	-425.93	-626.82	960.60	954.24	6.36	151.024	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report

PERMIAN

RESOURCES

Company:	Permian Resources	Local Co-ordinate Reference:	Well Batman Fed Com 201H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3641.38usft (H&P 296)
Reference Site:	Batman	MD Reference:	RKB @ 3641.38usft (H&P 296)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ST01 / 71612	Database:	USA Compass
Reference Design:	Plan 3 03-03-23	Offset TVD Reference:	Reference Datum

Offset Design: Batman Offsets (NAD27 - Grid) - Hamon A Fed Com 10H - OH - Surveys													Offset Site Error: 0.00 usft
Survey Program: 196-MWD													Offset Well Error: 1.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance		Minimum	Separation	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)	Factor	
0.00	0.00	0.00	13.38	1.00	1.00	-99.175	-96.82	-599.42	607.34				
100.00	100.00	83.28	96.66	1.27	1.35	-2.331	-96.70	-599.67	607.31	604.69	2.62	231.926	
178.00	178.00	158.27	171.65	1.89	1.99	-2.293	-96.39	-600.33	607.66	603.78	3.88	156.505	
200.00	200.00	179.42	192.80	1.96	2.19	1.831	-96.27	-600.59	607.81	603.66	4.15	146.488	
261.00	261.00	239.33	252.69	2.14	2.48	11.746	-95.86	-601.44	608.32	603.70	4.62	131.766	
300.00	300.00	277.94	291.30	2.25	2.60	2.731	-95.58	-602.03	608.65	603.81	4.84	125.820	
345.00	345.00	326.21	339.56	2.38	2.73	-4.608	-95.26	-602.68	608.90	603.81	5.10	119.493	
400.00	400.00	385.66	399.01	2.54	2.89	-7.309	-95.03	-603.01	608.78	603.38	5.40	112.712	
429.00	428.99	414.74	428.09	2.62	2.97	-8.735	-94.89	-603.07	608.62	603.07	5.55	109.661	
500.00	499.99	486.08	499.43	2.81	3.15	15.018	-94.30	-603.26	608.26	602.36	5.90	103.040	
514.00	513.99	500.25	513.60	2.84	3.19	20.861	-94.16	-603.29	608.20	602.23	5.97	101.867	
598.00	597.99	584.60	597.94	3.06	3.40	38.578	-93.41	-603.41	607.74	601.39	6.36	95.621	
600.00	599.99	586.56	599.91	3.06	3.40	38.580	-93.40	-603.41	607.73	601.37	6.37	95.475	
695.00	694.99	680.89	694.24	3.33	3.63	15.115	-92.87	-603.60	607.39	600.57	6.82	89.016	
700.00	699.99	685.97	699.31	3.34	3.64	17.771	-92.85	-603.61	607.37	600.53	6.85	88.723	
790.00	789.99	776.30	789.64	3.57	3.85	63.745	-92.51	-603.69	607.11	599.87	7.24	83.814	
800.00	799.99	786.12	799.46	3.60	3.88	60.958	-92.48	-603.70	607.10	599.81	7.29	83.332	
885.00	884.99	870.49	883.83	3.81	4.07	41.521	-92.15	-603.91	606.95	599.30	7.64	79.412	
900.00	899.99	885.60	898.95	3.84	4.10	45.161	-92.10	-603.94	606.91	599.20	7.71	78.763	
980.00	979.99	965.85	979.19	4.04	4.28	66.821	-91.99	-604.07	606.75	598.71	8.04	75.502	
1,000.00	999.99	985.81	999.15	4.08	4.32	58.228	-91.97	-604.10	606.73	598.61	8.12	74.740	
1,075.00	1,074.98	1,059.64	1,072.98	4.26	4.46	20.150	-91.94	-604.25	606.59	598.16	8.42	72.001	
1,100.00	1,099.98	1,084.00	1,097.34	4.32	4.51	29.267	-91.95	-604.35	606.56	598.03	8.53	71.118	
1,170.00	1,169.98	1,153.96	1,167.30	4.49	4.63	46.889	-92.04	-604.68	606.54	597.72	8.82	68.737	
1,200.00	1,199.98	1,184.35	1,197.69	4.57	4.68	38.493	-92.10	-604.79	606.50	597.54	8.95	67.757	
1,265.00	1,264.98	1,247.73	1,261.07	4.73	4.79	20.466	-92.21	-605.07	606.37	597.14	9.22	65.745	
1,281.56	1,281.54	1,263.69	1,277.03	4.77	4.82	19.809	-92.23	-605.18	606.36	597.06	9.29	65.246	
1,300.00	1,299.98	1,281.45	1,294.79	4.81	4.86	19.090	-92.23	-605.33	606.37	597.00	9.37	64.701	
1,360.00	1,359.98	1,340.55	1,353.88	4.96	4.98	16.836	-92.25	-605.89	606.47	596.84	9.64	62.927	
1,400.00	1,399.98	1,380.11	1,393.45	5.06	5.06	18.061	-92.29	-606.30	606.62	596.81	9.82	61.796	
1,462.00	1,461.98	1,442.26	1,455.59	5.21	5.18	24.891	-92.43	-606.95	607.05	596.95	10.10	60.111	
1,500.00	1,499.98	1,480.41	1,493.74	5.29	5.26	-6.305	-92.58	-607.33	607.34	597.08	10.26	59.215	
1,549.00	1,548.97	1,530.13	1,543.45	5.38	5.34	-21.582	-92.86	-607.77	607.59	597.14	10.46	58.110	
1,600.00	1,599.97	1,582.16	1,595.48	5.44	5.43	-87.923	-93.23	-608.16	607.88	597.25	10.63	57.190	
1,644.00	1,643.97	1,628.42	1,641.74	5.49	5.48	-127.450	-93.53	-608.38	608.22	597.46	10.76	56.506	
1,700.00	1,699.97	1,687.17	1,700.49	5.50	5.56	-151.920	-93.75	-608.42	608.64	597.77	10.87	55.972	
1,740.00	1,739.97	1,728.92	1,742.25	5.51	5.62	-162.666	-93.67	-608.34	608.93	597.99	10.94	55.640	
1,800.00	1,799.96	1,790.70	1,804.02	5.52	5.70	-158.398	-93.14	-608.07	609.30	598.27	11.03	55.261	
1,835.00	1,834.96	1,826.09	1,839.41	5.52	5.75	-156.477	-92.63	-607.90	609.51	598.45	11.06	55.092	
1,900.00	1,899.96	1,890.70	1,904.00	5.54	5.84	-164.421	-91.28	-607.61	609.88	598.73	11.14	54.723	
1,930.00	1,929.95	1,920.03	1,933.32	5.55	5.89	-168.846	-90.45	-607.56	610.06	598.88	11.19	54.541	
2,000.00	1,999.95	1,990.44	2,003.68	5.57	6.02	-169.920	-87.91	-607.56	610.62	599.33	11.29	54.089	
2,025.00	2,024.94	2,016.25	2,029.47	5.58	6.07	-170.206	-86.87	-607.54	610.81	599.49	11.33	53.922	
2,100.00	2,099.94	2,090.13	2,103.28	5.61	6.22	-167.585	-83.81	-607.39	611.31	599.86	11.45	53.393	
2,120.00	2,119.93	2,109.21	2,122.35	5.62	6.26	-166.833	-83.11	-607.40	611.48	600.00	11.48	53.257	
2,200.00	2,199.93	2,187.88	2,200.99	5.70	6.42	-76.161	-80.65	-607.56	611.80	600.14	11.66	52.471	
2,216.00	2,215.93	2,203.97	2,217.07	5.71	6.45	-51.891	-80.21	-607.59	611.73	600.04	11.70	52.302	
2,300.00	2,299.92	2,288.79	2,301.86	5.85	6.63	-28.864	-77.95	-607.68	610.33	598.38	11.95	51.058	
2,311.00	2,310.91	2,299.93	2,312.99	5.87	6.66	-28.219	-77.61	-607.69	610.02	598.03	11.99	50.888	
2,400.00	2,399.83	2,388.86	2,401.86	6.07	6.86	-27.730	-74.41	-607.76	606.29	594.00	12.29	49.336	
2,406.00	2,405.82	2,394.81	2,407.81	6.08	6.87	-27.710	-74.17	-607.77	605.97	593.66	12.31	49.229	
2,500.00	2,499.59	2,488.48	2,501.40	6.30	7.09	-25.118	-70.32	-607.97	599.88	587.24	12.63	47.480	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report

PERMIAN

RESOURCES

Company:	Permian Resources	Local Co-ordinate Reference:	Well Batman Fed Com 201H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3641.38usft (H&P 296)
Reference Site:	Batman	MD Reference:	RKB @ 3641.38usft (H&P 296)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ST01 / 71612	Database:	USA Compass
Reference Design:	Plan 3 03-03-23	Offset TVD Reference:	Reference Datum

Offset Design: Batman Offsets (NAD27 - Grid) - Hamon A Fed Com 10H - OH - Surveys													Offset Site Error: 0.00 usft
Survey Program: 196-MWD													Offset Well Error: 1.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance		Minimum	Separation	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)	Factor	
2,501.00	2,500.59	2,489.48	2,502.40	6.30	7.09	-25.099	-70.28	-607.97	599.80	587.16	12.64	47.461	
2,597.00	2,596.19	2,586.04	2,598.91	6.54	7.31	-25.173	-67.09	-608.02	591.57	578.60	12.97	45.595	
2,600.00	2,599.18	2,589.07	2,601.93	6.55	7.32	-25.182	-67.00	-608.01	591.28	578.30	12.98	45.536	
2,692.00	2,690.69	2,682.32	2,695.15	6.78	7.52	-25.476	-64.60	-607.75	582.21	568.91	13.30	43.772	
2,700.00	2,698.65	2,690.44	2,703.27	6.80	7.54	-25.819	-64.40	-607.71	581.40	568.07	13.33	43.620	
2,787.00	2,785.19	2,773.46	2,786.27	7.03	7.72	-29.628	-62.62	-607.46	572.95	559.32	13.63	42.033	
2,800.00	2,798.12	2,785.69	2,798.50	7.06	7.75	-29.270	-62.41	-607.47	571.76	558.08	13.68	41.802	
2,882.00	2,879.59	2,865.64	2,878.44	7.29	7.93	-27.440	-61.21	-607.73	563.69	549.71	13.98	40.307	
2,900.00	2,897.46	2,883.32	2,896.12	7.35	7.97	-26.470	-60.97	-607.80	561.76	547.71	14.06	39.963	
2,978.00	2,974.77	2,961.89	2,974.68	7.59	8.15	-22.901	-59.95	-608.07	552.52	538.15	14.37	38.456	
3,000.00	2,996.56	2,984.12	2,996.91	7.65	8.20	-22.630	-59.68	-608.11	549.67	535.22	14.46	38.021	
3,073.00	3,068.84	3,057.53	3,070.32	7.89	8.36	-21.744	-58.83	-608.11	540.04	525.30	14.74	36.628	
3,100.00	3,095.57	3,084.66	3,097.45	7.97	8.41	-22.613	-58.54	-608.06	536.47	521.62	14.85	36.124	
3,168.00	3,162.96	3,152.44	3,165.22	8.19	8.54	-24.976	-57.90	-607.90	527.86	512.75	15.11	34.937	
3,200.00	3,194.68	3,184.37	3,197.15	8.30	8.59	-22.621	-57.63	-607.80	523.86	508.63	15.23	34.391	
3,263.00	3,257.10	3,247.40	3,260.18	8.51	8.65	-18.250	-57.36	-607.50	515.54	500.07	15.47	33.336	
3,300.00	3,293.74	3,284.03	3,296.80	8.63	8.67	-15.892	-57.38	-607.27	510.35	494.74	15.61	32.698	
3,358.00	3,351.12	3,340.02	3,352.80	8.83	8.66	-12.467	-57.48	-606.98	501.87	486.05	15.83	31.712	
3,400.00	3,392.66	3,381.01	3,393.78	8.98	8.65	-11.184	-57.58	-606.86	495.71	479.72	15.99	31.000	
3,453.00	3,445.12	3,433.68	3,446.46	9.17	8.63	-9.423	-57.82	-606.68	488.18	471.98	16.20	30.130	
3,500.00	3,491.65	3,480.21	3,492.99	9.34	8.61	-9.858	-58.16	-606.48	481.46	465.07	16.39	29.369	
3,548.00	3,539.12	3,527.44	3,540.21	9.51	8.58	-10.313	-58.64	-606.27	474.33	457.74	16.59	28.593	
3,600.00	3,590.47	3,577.66	3,590.43	9.71	8.56	-10.759	-59.27	-606.07	466.21	449.39	16.82	27.725	
3,644.00	3,633.84	3,619.27	3,632.03	9.88	8.54	-11.127	-59.74	-606.06	459.04	442.03	17.01	26.987	
3,700.00	3,689.00	3,673.08	3,685.84	10.09	8.53	-10.351	-60.26	-606.29	449.87	432.61	17.26	26.064	
3,739.00	3,727.42	3,711.37	3,724.12	10.24	8.53	-9.807	-60.64	-606.49	443.52	426.08	17.44	25.435	
3,800.00	3,787.47	3,771.43	3,784.18	10.48	8.53	-11.395	-61.27	-606.83	433.45	415.73	17.72	24.466	
3,834.00	3,820.91	3,805.02	3,817.77	10.61	8.53	-12.267	-61.61	-607.01	427.69	409.82	17.87	23.932	
3,900.00	3,885.76	3,870.47	3,883.22	10.87	8.54	-15.207	-62.20	-607.34	416.22	398.05	18.17	22.905	
3,929.00	3,914.23	3,899.33	3,912.08	10.99	8.54	-16.474	-62.42	-607.46	411.04	392.74	18.30	22.459	
4,000.00	3,983.87	3,969.10	3,981.84	11.27	8.56	-21.826	-62.89	-607.68	398.30	379.69	18.62	21.396	
4,024.00	4,007.40	3,992.40	4,005.15	11.37	8.56	-23.643	-63.05	-607.77	394.06	375.34	18.72	21.050	
4,100.00	4,081.87	4,066.80	4,079.54	11.68	8.60	-27.683	-63.52	-608.14	380.81	361.77	19.04	20.001	
4,119.00	4,100.48	4,085.54	4,098.28	11.76	8.62	-28.697	-63.59	-608.24	377.51	358.39	19.12	19.747	
4,200.00	4,179.76	4,164.94	4,177.68	12.10	8.69	-29.992	-63.71	-608.65	363.41	343.96	19.45	18.688	
4,214.00	4,193.46	4,178.59	4,191.33	12.15	8.70	-30.228	-63.75	-608.72	360.97	341.47	19.50	18.509	
4,300.00	4,277.54	4,262.21	4,274.95	12.52	8.78	-33.151	-64.06	-609.21	346.09	326.26	19.83	17.451	
4,310.00	4,287.31	4,271.92	4,284.66	12.56	8.79	-33.500	-64.08	-609.28	344.37	324.50	19.87	17.332	
4,400.00	4,375.41	4,360.39	4,373.13	12.94	8.89	-36.016	-64.25	-609.96	329.83	309.64	20.19	16.338	
4,405.00	4,380.31	4,365.36	4,378.09	12.96	8.90	-36.163	-64.26	-610.00	329.07	308.86	20.20	16.286	
4,500.00	4,473.56	4,459.51	4,472.24	13.35	9.01	-37.317	-64.44	-610.46	314.95	294.44	20.51	15.356	
4,595.00	4,566.84	4,553.64	4,566.38	13.75	9.11	-39.853	-64.48	-610.75	301.05	280.28	20.77	14.493	
4,600.00	4,571.75	4,558.60	4,571.34	13.77	9.12	-39.997	-64.48	-610.76	300.32	279.53	20.79	14.448	
4,690.00	4,660.33	4,647.67	4,660.41	14.17	9.18	-42.653	-64.50	-610.77	288.31	267.32	21.00	13.732	
4,700.00	4,670.20	4,657.55	4,670.29	14.21	9.18	-42.997	-64.51	-610.77	287.11	266.10	21.01	13.662	
4,785.00	4,754.02	4,741.35	4,754.08	14.56	9.21	-46.017	-64.59	-610.69	276.98	255.83	21.15	13.094	
4,800.00	4,768.81	4,756.12	4,768.85	14.63	9.21	-46.571	-64.60	-610.68	275.22	254.05	21.17	12.998	
4,881.00	4,848.65	4,836.07	4,848.81	14.96	9.24	-49.674	-64.65	-610.63	266.00	244.74	21.26	12.512	
4,900.00	4,867.37	4,854.85	4,867.58	15.04	9.24	-50.374	-64.69	-610.59	263.90	242.63	21.27	12.406	
4,976.00	4,942.25	4,930.09	4,942.82	15.36	9.24	-53.311	-64.93	-610.31	255.67	234.38	21.29	12.009	
5,000.00	4,965.88	4,953.88	4,966.61	15.46	9.24	-54.296	-64.98	-610.20	253.12	231.84	21.29	11.891	
5,071.00	5,035.78	5,023.85	5,036.58	15.76	9.25	-57.298	-65.05	-609.87	245.81	224.55	21.25	11.566	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report

PERMIAN

RESOURCES

Company:	Permian Resources	Local Co-ordinate Reference:	Well Batman Fed Com 201H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3641.38usft (H&P 296)
Reference Site:	Batman	MD Reference:	RKB @ 3641.38usft (H&P 296)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ST01 / 71612	Database:	USA Compass
Reference Design:	Plan 3 03-03-23	Offset TVD Reference:	Reference Datum

Offset Design: Batman Offsets (NAD27 - Grid) - Hamon A Fed Com 10H - OH - Surveys													Offset Site Error: 0.00 usft
Survey Program: 196-MWD													Offset Well Error: 1.00 usft
Reference	Offset	Semi Major Axis		Highside		Offset Wellbore Centre		Distance		Minimum	Separation	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)		
5,100.00	5,064.32	5,052.35	5,065.08	15.88	9.25	-58.687	-65.05	-609.75	242.94	221.71	21.23	11.444	
5,166.00	5,129.22	5,117.23	5,129.96	16.16	9.26	-61.966	-65.04	-609.50	236.73	215.58	21.15	11.195	
5,200.00	5,162.65	5,150.63	5,163.36	16.31	9.26	-62.639	-65.09	-609.32	233.69	212.60	21.09	11.080	
5,261.00	5,222.64	5,210.60	5,223.33	16.57	9.28	-63.868	-65.20	-608.96	228.48	207.50	20.98	10.890	
5,300.00	5,261.01	5,248.99	5,261.72	16.73	9.29	-64.685	-65.20	-608.80	225.29	204.38	20.90	10.777	
5,347.00	5,307.27	5,295.26	5,307.99	16.93	9.31	-65.662	-65.13	-608.65	221.59	200.78	20.81	10.648	
5,400.00	5,359.42	5,347.42	5,360.14	17.16	9.34	-68.872	-65.04	-608.49	217.72	197.02	20.70	10.518	
5,448.00	5,406.65	5,394.40	5,407.13	17.37	9.39	-71.843	-64.97	-608.37	214.65	194.05	20.60	10.420	
5,500.00	5,457.79	5,445.24	5,457.97	17.59	9.44	-69.388	-64.92	-608.30	211.40	190.90	20.50	10.310	
5,543.00	5,500.07	5,487.30	5,500.02	17.78	9.48	-67.425	-64.91	-608.30	208.47	188.05	20.42	10.208	
5,600.00	5,556.08	5,543.15	5,555.87	18.03	9.54	-62.916	-64.78	-608.59	204.00	183.66	20.35	10.027	
5,638.00	5,593.38	5,580.23	5,592.95	18.20	9.58	-60.156	-64.59	-609.02	200.53	180.23	20.31	9.876	
5,700.00	5,654.21	5,639.95	5,652.66	18.47	9.67	-62.643	-64.32	-610.19	195.02	174.78	20.24	9.635	
5,734.00	5,687.57	5,672.85	5,685.55	18.62	9.72	-63.999	-64.23	-611.11	192.35	172.14	20.21	9.516	
5,800.00	5,752.35	5,737.21	5,749.87	18.91	9.82	-66.598	-64.15	-613.24	187.79	167.62	20.17	9.311	
5,829.00	5,780.82	5,765.55	5,778.20	19.04	9.86	-67.737	-64.16	-614.31	186.02	165.87	20.16	9.228	
5,900.00	5,850.56	5,835.45	5,848.01	19.34	9.99	-68.910	-64.04	-617.70	182.05	161.87	20.17	9.024	
5,924.00	5,874.14	5,859.12	5,871.63	19.45	10.03	-69.216	-63.94	-619.12	180.76	160.57	20.19	8.952	
6,000.00	5,948.95	5,933.62	5,945.95	19.78	10.17	-75.062	-63.68	-624.35	177.77	157.49	20.28	8.765	
6,019.00	5,967.70	5,952.35	5,964.62	19.87	10.20	-76.572	-63.65	-625.83	177.34	157.02	20.31	8.730	
6,100.00	6,047.80	6,034.11	6,046.02	20.22	10.39	-81.052	-63.01	-633.51	176.09	155.62	20.47	8.604	
6,114.00	6,061.67	6,048.24	6,060.06	20.28	10.43	-81.807	-62.81	-635.06	175.94	155.44	20.50	8.584	
6,200.00	6,147.01	6,134.47	6,145.57	20.63	10.66	-84.536	-61.14	-646.00	175.40	154.71	20.69	8.478	
6,209.00	6,155.95	6,143.46	6,154.47	20.67	10.69	-84.799	-60.93	-647.29	175.38	154.67	20.71	8.468	
6,300.00	6,246.38	6,234.05	6,244.04	21.03	10.92	-82.660	-58.79	-660.67	175.26	154.32	20.94	8.370	
6,304.00	6,250.36	6,238.06	6,248.00	21.05	10.93	-82.561	-58.69	-661.28	175.26	154.31	20.95	8.365	
6,328.01	6,274.22	6,262.17	6,271.82	21.14	10.99	-82.654	-58.12	-664.92	175.24	154.23	21.02	8.339 CC	
6,400.00	6,345.85	6,334.36	6,343.18	21.43	11.19	-83.001	-56.32	-675.73	175.36	154.14	21.23	8.262 ES	
6,495.00	6,440.54	6,427.78	6,435.17	21.79	11.51	-89.435	-53.66	-691.71	176.90	155.29	21.60	8.189	
6,500.00	6,445.53	6,432.80	6,440.11	21.81	11.53	-89.245	-53.51	-692.65	177.04	155.42	21.63	8.187	
6,590.00	6,535.39	6,523.70	6,529.88	22.11	11.92	-86.569	-51.45	-706.67	179.67	157.60	22.07	8.141	
6,600.00	6,545.38	6,533.62	6,539.71	22.15	11.95	-86.644	-51.29	-707.92	179.96	157.84	22.11	8.138	
6,685.00	6,630.33	6,617.81	6,623.23	22.40	12.19	-90.261	-50.04	-718.55	182.83	160.27	22.56	8.106	
6,700.00	6,645.33	6,632.67	6,637.97	22.45	12.23	-91.096	-49.83	-720.43	183.43	160.78	22.64	8.101	
6,780.00	6,725.31	6,711.90	6,716.52	22.66	12.46	-94.904	-48.73	-730.69	187.01	163.88	23.14	8.083	
6,800.00	6,745.31	6,731.91	6,736.36	22.71	12.52	-92.886	-48.45	-733.30	187.99	164.72	23.27	8.079	
6,875.00	6,820.29	6,806.96	6,810.79	22.92	12.74	-85.473	-47.39	-742.84	191.61	167.84	23.77	8.062	
6,900.00	6,845.28	6,831.50	6,835.13	22.99	12.81	-83.328	-47.04	-745.95	192.83	168.89	23.94	8.054	
6,970.00	6,915.26	6,900.10	6,903.11	23.18	13.02	-76.822	-46.04	-755.10	196.57	172.09	24.48	8.029	
7,000.00	6,945.26	6,929.85	6,932.57	23.26	13.11	-75.634	-45.60	-759.23	198.30	173.57	24.73	8.018	
7,065.00	7,010.24	6,994.29	6,996.37	23.44	13.31	-73.021	-44.62	-768.22	202.26	176.96	25.30	7.995	
7,100.00	7,045.24	7,029.08	7,030.81	23.53	13.42	-72.060	-44.09	-773.09	204.49	178.88	25.61	7.984	
7,160.00	7,105.22	7,088.72	7,089.86	23.70	13.61	-70.465	-43.15	-781.44	208.44	182.27	26.16	7.967	
7,200.00	7,145.22	7,128.39	7,129.13	23.81	13.74	-68.556	-42.52	-786.99	211.15	184.62	26.54	7.957	
7,255.00	7,200.20	7,182.93	7,183.13	23.96	13.92	-65.955	-41.67	-794.63	215.00	187.95	27.05	7.947	
7,300.00	7,245.20	7,226.74	7,226.49	24.08	14.07	-64.076	-41.00	-800.89	218.33	190.84	27.49	7.942 SF	
7,351.00	7,296.18	7,276.30	7,275.49	24.22	14.23	-61.966	-40.25	-808.26	222.42	194.42	28.00	7.943	
7,400.00	7,345.17	7,324.88	7,323.50	24.36	14.39	-57.761	-39.54	-815.64	226.55	198.05	28.51	7.947	
7,446.00	7,391.17	7,370.53	7,368.62	24.48	14.55	-53.450	-38.89	-822.53	230.52	201.53	28.99	7.952	
7,500.00	7,445.16	7,424.12	7,421.60	24.63	14.73	-52.120	-38.13	-830.60	235.28	205.72	29.56	7.960	
7,541.00	7,486.15	7,464.82	7,461.82	24.74	14.87	-51.003	-37.54	-836.73	238.96	208.97	29.99	7.968	
7,600.00	7,545.14	7,523.27	7,519.60	24.90	15.08	-46.800	-36.68	-845.53	244.34	213.73	30.61	7.982	

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Anticollision Report

PERMIAN

RESOURCES

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Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ST01 / 71612	Database:	USA Compass
Reference Design:	Plan 3 03-03-23	Offset TVD Reference:	Reference Datum

Offset Design: Batman Offsets (NAD27 - Grid) - Hamon A Fed Com 10H - OH - Surveys													Offset Site Error:	0.00 usft
Survey Program: 196-MWD													Offset Well Error:	1.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
7,636.00	7,581.13	7,558.93	7,554.85	25.00	15.20	-44.279	-36.16	-850.90	247.68	216.68	30.99	7.992		
7,700.00	7,645.13	7,622.11	7,617.31	25.17	15.42	-39.724	-35.28	-860.42	253.75	222.08	31.67	8.012		
7,731.00	7,676.12	7,652.71	7,647.55	25.25	15.53	-37.301	-34.89	-865.03	256.79	224.79	32.00	8.025		
7,800.00	7,745.11	7,721.47	7,715.54	25.42	15.77	-33.416	-34.11	-875.28	263.64	230.92	32.72	8.058		
7,826.00	7,771.11	7,747.41	7,741.20	25.49	15.87	-31.903	-33.85	-879.08	266.23	233.25	32.99	8.071		
7,900.00	7,845.10	7,820.96	7,813.97	25.67	16.13	-29.784	-33.18	-889.76	273.70	239.96	33.73	8.113		
7,921.00	7,866.10	7,841.84	7,834.62	25.73	16.20	-29.184	-33.00	-892.77	275.84	241.89	33.94	8.126		
8,000.00	7,945.09	7,919.51	7,911.47	25.92	16.48	-24.497	-32.41	-904.02	284.06	249.34	34.72	8.181		
8,016.00	7,961.09	7,935.23	7,927.03	25.96	16.54	-23.540	-32.30	-906.31	285.77	250.89	34.88	8.193		
8,100.00	8,045.08	8,019.49	8,010.42	26.17	16.84	-23.583	-31.91	-918.38	294.57	258.88	35.69	8.254		
8,112.00	8,057.08	8,031.55	8,022.36	26.20	16.88	-23.564	-31.87	-920.06	295.80	260.00	35.80	8.262		
8,200.00	8,145.07	8,118.38	8,108.35	26.42	17.19	-12.403	-31.78	-932.15	304.83	268.22	36.61	8.325		
8,207.00	8,152.07	8,125.29	8,115.19	26.43	17.21	-11.523	-31.79	-933.11	305.56	268.88	36.68	8.331		
8,300.00	8,245.06	8,217.81	8,206.82	26.64	17.55	-6.108	-31.94	-945.91	315.42	277.89	37.53	8.405		
8,303.00	8,248.05	8,220.80	8,209.78	26.65	17.56	-5.890	-31.95	-946.32	315.74	278.19	37.55	8.408		
8,398.00	8,343.05	8,317.00	8,305.10	26.87	17.90	-9.177	-32.04	-959.29	325.69	287.28	38.40	8.481		
8,400.00	8,345.04	8,318.98	8,307.06	26.87	17.91	-9.156	-32.04	-959.55	325.89	287.47	38.42	8.482		
8,493.00	8,438.03	8,411.11	8,398.39	27.09	18.24	-5.707	-32.06	-971.73	335.42	296.19	39.23	8.550		
8,500.00	8,445.03	8,418.00	8,405.22	27.10	18.27	-4.830	-32.08	-972.64	336.15	296.86	39.29	8.556		
8,589.00	8,534.03	8,505.00	8,491.47	27.29	18.58	8.406	-32.82	-983.94	345.67	305.65	40.02	8.637		
8,600.00	8,545.03	8,516.38	8,502.75	27.31	18.62	7.004	-32.99	-985.40	346.87	306.77	40.11	8.648		
8,684.00	8,629.02	8,598.59	8,584.26	27.48	18.91	-1.055	-34.34	-996.06	356.09	315.33	40.77	8.735		
8,700.00	8,645.01	8,614.24	8,599.77	27.51	18.96	2.374	-34.61	-998.12	357.87	316.98	40.89	8.753		
8,780.00	8,725.01	8,692.38	8,677.18	27.64	19.25	37.150	-35.66	-1,008.71	367.31	325.80	41.51	8.849		
8,800.00	8,745.01	8,711.73	8,696.35	27.65	19.32	44.445	-35.84	-1,011.41	369.79	328.13	41.66	8.877		
8,875.00	8,820.00	8,784.12	8,767.96	27.69	19.59	61.033	-36.09	-1,021.97	379.37	337.12	42.25	8.980		
8,900.00	8,845.00	8,809.26	8,792.82	27.69	19.69	65.840	-36.06	-1,025.75	382.64	340.20	42.44	9.016		
8,970.00	8,914.99	8,880.51	8,863.31	27.68	19.96	79.168	-36.24	-1,036.08	391.75	348.79	42.96	9.119		
9,000.00	8,944.99	8,911.28	8,893.78	27.66	20.08	77.571	-36.33	-1,040.41	395.59	352.42	43.17	9.163		
9,066.00	9,010.98	8,979.04	8,960.88	27.64	20.34	74.260	-35.93	-1,049.85	403.72	360.08	43.64	9.250		
9,100.00	9,044.98	9,010.97	8,992.48	27.64	20.46	71.168	-35.48	-1,054.38	407.87	363.97	43.90	9.292		
9,161.00	9,105.97	9,068.24	9,049.09	27.64	20.69	66.718	-34.33	-1,062.98	415.61	371.25	44.36	9.369		
9,200.00	9,144.97	9,106.83	9,087.20	27.65	20.85	63.785	-33.45	-1,068.97	420.68	376.01	44.68	9.416		
9,256.00	9,200.96	9,162.75	9,142.45	27.67	21.07	59.306	-32.41	-1,077.50	427.91	382.79	45.12	9.485		
9,300.00	9,244.95	9,208.94	9,188.12	27.70	21.26	52.255	-31.54	-1,084.37	433.41	387.93	45.48	9.530		
9,351.00	9,295.95	9,262.87	9,241.46	27.75	21.47	43.304	-30.00	-1,092.17	439.38	393.48	45.90	9.573		
9,400.00	9,344.94	9,314.63	9,292.68	27.83	21.68	27.340	-28.14	-1,099.36	444.68	398.36	46.32	9.600		
9,446.00	9,390.93	9,363.09	9,340.68	27.91	21.87	13.960	-26.18	-1,105.81	449.24	402.53	46.71	9.618		
9,500.00	9,444.93	9,418.07	9,395.16	28.03	22.09	13.712	-23.91	-1,112.88	454.29	407.12	47.17	9.631		
9,541.00	9,485.92	9,458.00	9,434.73	28.12	22.24	13.552	-22.32	-1,117.88	458.00	410.49	47.51	9.640		
9,600.00	9,544.91	9,513.02	9,489.23	28.16	22.47	-151.242	-19.97	-1,125.09	464.36	416.50	47.86	9.702		
9,636.00	9,580.91	9,545.40	9,521.25	28.19	22.60	-158.152	-18.39	-1,129.69	469.31	421.24	48.07	9.763		
9,700.00	9,644.89	9,608.80	9,583.88	28.09	22.86	-153.467	-15.18	-1,138.97	478.84	430.53	48.31	9.912		
9,731.00	9,675.89	9,639.92	9,614.63	28.04	22.99	-151.077	-13.68	-1,143.46	483.38	434.96	48.42	9.983		
9,800.00	9,744.87	9,710.47	9,684.41	28.01	23.26	-142.543	-10.43	-1,153.37	493.21	444.49	48.72	10.123		
9,900.00	9,844.85	9,807.38	9,779.96	27.97	23.64	-128.755	-2.48	-1,167.04	506.50	457.31	49.19	10.297		
9,921.00	9,865.84	9,833.20	9,805.11	27.96	23.73	-125.495	1.58	-1,171.19	509.35	460.00	49.35	10.322		
10,000.00	9,944.84	9,907.91	9,877.43	27.97	24.00	-102.551	16.06	-1,183.08	519.31	469.42	49.89	10.408		
10,017.00	9,961.83	9,928.22	9,896.92	27.97	24.07	-91.894	20.59	-1,186.49	521.49	471.44	50.05	10.420		
10,100.00	10,044.83	10,041.12	10,004.00	28.06	24.41	-71.925	52.79	-1,201.74	529.10	478.14	50.96	10.383		
10,112.00	10,056.83	10,056.99	10,018.82	28.07	24.45	-69.924	58.21	-1,203.47	529.93	478.85	51.09	10.373		
10,200.00	10,144.81	10,195.13	10,141.37	28.22	24.74	-57.386	120.77	-1,210.26	531.45	479.30	52.16	10.189		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report

PERMIAN

RESOURCES

Company:	Permian Resources	Local Co-ordinate Reference:	Well Batman Fed Com 201H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3641.38usft (H&P 296)
Reference Site:	Batman	MD Reference:	RKB @ 3641.38usft (H&P 296)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ST01 / 71612	Database:	USA Compass
Reference Design:	Plan 3 03-03-23	Offset TVD Reference:	Reference Datum

Offset Design: Batman Offsets (NAD27 - Grid) - Hamon A Fed Com 10H - OH - Surveys													Offset Site Error: 0.00 usft
Survey Program: 196-MWD													Offset Well Error: 1.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance			Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)		
10,207.00	10,151.81	10,201.64	10,146.74	28.23	24.75	-56.692	124.46	-1,210.27	531.43	479.19	52.23	10.174	
10,211.48	10,156.29	10,205.75	10,150.11	28.23	24.76	-58.118	126.82	-1,210.27	531.42	479.14	52.28	10.165	
10,300.00	10,244.79	10,269.49	10,199.31	28.30	24.87	-100.335	167.24	-1,210.08	534.96	481.88	53.07	10.079	
10,302.00	10,246.79	10,270.68	10,200.17	28.31	24.87	-101.398	168.07	-1,210.08	535.14	482.05	53.09	10.080	
10,397.00	10,341.77	10,320.23	10,233.69	28.19	24.98	-159.635	204.52	-1,210.16	550.07	496.63	53.44	10.292	
10,400.00	10,344.77	10,321.54	10,234.52	28.18	24.98	-159.529	205.54	-1,210.17	550.76	497.31	53.45	10.305	
10,491.00	10,435.72	10,356.07	10,255.19	27.96	25.06	-156.384	233.19	-1,210.55	576.76	523.47	53.29	10.823	
10,500.00	10,444.71	10,359.00	10,256.83	27.94	25.06	-157.420	235.60	-1,210.60	579.88	526.63	53.25	10.889	
10,539.00	10,483.69	10,373.00	10,264.50	27.84	25.10	-162.085	247.31	-1,210.91	594.52	541.44	53.08	11.200	
10,600.00	10,544.55	10,387.93	10,272.28	28.35	25.14	120.322	260.05	-1,211.32	621.64	568.45	53.19	11.688	
10,634.00	10,578.20	10,395.13	10,275.89	28.64	25.15	113.370	266.27	-1,211.54	639.13	585.96	53.17	12.019	
10,700.00	10,641.22	10,404.00	10,280.21	28.70	25.18	104.746	274.02	-1,211.81	679.11	626.39	52.73	12.880	
10,729.00	10,667.07	10,404.00	10,280.21	28.73	25.18	99.161	274.02	-1,211.81	698.99	646.58	52.41	13.338	
10,800.00	10,724.17	10,404.00	10,280.21	28.72	25.18	83.509	274.02	-1,211.81	750.29	698.38	51.91	14.455	
10,824.00	10,741.19	10,404.00	10,280.21	28.71	25.18	78.501	274.02	-1,211.81	767.93	716.19	51.74	14.843	
10,900.00	10,789.14	10,384.77	10,270.67	28.68	25.13	68.018	257.34	-1,211.23	823.40	772.15	51.24	16.068	
10,919.00	10,799.85	10,373.00	10,264.50	28.67	25.10	65.119	247.31	-1,210.91	837.27	786.16	51.11	16.381	
11,000.00	10,841.64	10,373.00	10,264.50	28.67	25.10	60.675	247.31	-1,210.91	895.42	844.73	50.69	17.665	
11,014.00	10,848.30	10,373.00	10,264.50	28.67	25.10	59.960	247.31	-1,210.91	905.44	854.82	50.61	17.890	
11,050.00	10,864.80	10,359.01	10,256.84	29.07	25.06	57.786	235.61	-1,210.60	930.72	879.95	50.77	18.332	
11,060.00	10,869.23	10,357.33	10,255.90	29.08	25.06	57.351	234.22	-1,210.57	937.69	886.99	50.71	18.492	
11,090.00	10,882.45	10,352.42	10,253.10	29.09	25.05	57.062	230.18	-1,210.48	958.98	908.45	50.53	18.978	
11,100.00	10,886.84	10,342.00	10,247.03	29.10	25.02	56.128	221.72	-1,210.34	966.34	915.91	50.43	19.163	
11,120.00	10,895.46	10,342.00	10,247.03	29.11	25.02	55.544	221.72	-1,210.34	980.80	930.46	50.33	19.485	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report

PERMIAN

RESOURCES

Company:	Permian Resources	Local Co-ordinate Reference:	Well Batman Fed Com 201H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3641.38usft (H&P 296)
Reference Site:	Batman	MD Reference:	RKB @ 3641.38usft (H&P 296)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ST01 / 71612	Database:	USA Compass
Reference Design:	Plan 3 03-03-23	Offset TVD Reference:	Reference Datum

Offset Design: Batman Offsets (NAD27 - Grid) - Hamon A Fed Com 12H - OH - Surveys													Offset Site Error: 0.00 usft
Survey Program: 287-MWD													Offset Well Error: 1.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance		Minimum	Separation	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)	Factor	
0.00	0.00	0.00	13.38	1.00	1.00	-100.867	-95.88	-499.44	508.74				
100.00	100.00	86.68	100.06	1.27	1.71	-4.037	-95.87	-499.44	508.43	505.46	2.98	170.872	
178.00	178.00	164.72	178.10	1.89	2.81	-4.038	-95.86	-499.43	508.16	503.45	4.70	108.043	
200.00	200.00	186.74	200.12	1.96	3.14	0.071	-95.85	-499.42	508.05	502.96	5.10	99.647	
261.00	261.00	247.78	261.16	2.14	4.08	9.937	-95.83	-499.41	507.75	501.53	6.22	81.678	
300.00	300.00	286.80	300.18	2.25	4.68	0.889	-95.81	-499.40	507.52	500.59	6.93	73.199	
345.00	345.00	333.71	347.09	2.38	4.75	-6.492	-95.80	-499.30	507.13	499.99	7.13	71.101	
400.00	400.00	390.78	404.15	2.54	4.83	-9.231	-95.80	-498.93	506.39	499.02	7.37	68.751	
429.00	428.99	420.38	433.76	2.62	4.87	-10.681	-95.85	-498.65	505.93	498.44	7.49	67.547	
500.00	499.99	491.78	505.15	2.81	4.98	12.968	-96.10	-497.84	504.73	496.94	7.79	64.827	
514.00	513.99	505.39	518.76	2.84	5.00	18.788	-96.16	-497.69	504.52	496.67	7.84	64.321	
598.00	597.99	588.15	601.52	3.06	5.12	36.391	-96.44	-497.00	503.43	495.25	8.18	61.565	
600.00	599.99	590.17	603.54	3.06	5.13	36.391	-96.44	-496.99	503.40	495.22	8.19	61.497	
695.00	694.99	686.26	699.62	3.33	5.28	12.811	-96.86	-496.11	502.16	493.56	8.60	58.396	
700.00	699.99	691.31	704.67	3.34	5.28	15.461	-96.88	-496.05	502.09	493.47	8.62	58.252	
790.00	789.99	781.25	794.61	3.57	5.43	61.339	-97.32	-495.07	500.91	491.92	8.98	55.758	
800.00	799.99	791.10	804.46	3.60	5.45	58.541	-97.36	-494.97	500.79	491.77	9.02	55.505	
885.00	884.99	875.58	888.93	3.81	5.59	39.020	-97.72	-494.21	499.79	490.43	9.36	53.424	
900.00	899.99	890.63	903.98	3.84	5.61	42.645	-97.79	-494.07	499.60	490.19	9.41	53.078	
980.00	979.99	970.37	983.71	4.04	5.75	64.232	-98.24	-493.34	498.68	488.96	9.72	51.322	
1,000.00	999.99	990.20	1,003.55	4.08	5.78	55.619	-98.38	-493.16	498.48	488.69	9.79	50.908	
1,075.00	1,074.98	1,062.91	1,076.25	4.26	5.89	17.457	-98.98	-492.64	497.77	487.71	10.06	49.488	
1,100.00	1,099.98	1,086.85	1,100.19	4.32	5.93	26.550	-99.19	-492.56	497.61	487.46	10.15	49.043	
1,170.00	1,169.98	1,155.39	1,168.73	4.49	6.01	44.118	-99.74	-492.56	497.34	486.97	10.38	47.929	
1,200.00	1,199.98	1,185.05	1,198.39	4.57	6.05	35.712	-99.89	-492.62	497.25	486.78	10.47	47.484	
1,265.00	1,264.98	1,250.17	1,263.51	4.73	6.12	17.669	-100.14	-492.79	497.02	486.35	10.68	46.554	
1,300.00	1,299.98	1,285.37	1,298.70	4.81	6.15	16.274	-100.33	-492.85	496.86	486.07	10.79	46.052	
1,360.00	1,359.98	1,343.45	1,356.78	4.96	6.22	13.965	-100.79	-493.01	496.65	485.66	10.98	45.224	
1,371.98	1,371.95	1,355.01	1,368.34	4.99	6.24	14.239	-100.92	-493.07	496.64	485.62	11.02	45.066	
1,400.00	1,399.98	1,382.10	1,395.43	5.06	6.27	15.140	-101.25	-493.23	496.69	485.58	11.11	44.705	
1,462.00	1,461.98	1,445.08	1,458.40	5.21	6.35	21.880	-102.15	-493.57	496.95	485.64	11.32	43.910	
1,500.00	1,499.98	1,483.68	1,497.00	5.29	6.41	-9.371	-102.74	-493.71	497.10	485.66	11.43	43.477	
1,549.00	1,548.97	1,533.49	1,546.80	5.38	6.52	-24.709	-103.46	-493.83	497.14	485.53	11.61	42.821	
1,561.15	1,561.12	1,545.84	1,559.15	5.40	6.54	-35.180	-103.62	-493.85	497.13	485.49	11.65	42.689	
1,600.00	1,599.97	1,585.34	1,598.64	5.44	6.62	-91.097	-104.10	-493.89	497.19	485.43	11.76	42.278	
1,644.00	1,643.97	1,630.18	1,643.48	5.49	6.71	-130.659	-104.60	-493.87	497.37	485.50	11.88	41.880	
1,700.00	1,699.97	1,687.32	1,700.62	5.50	6.81	-155.204	-105.37	-493.70	497.73	485.77	11.96	41.616	
1,740.00	1,739.97	1,727.44	1,740.73	5.51	6.88	-166.030	-105.99	-493.51	498.05	486.03	12.02	41.432	
1,800.00	1,799.96	1,787.37	1,800.65	5.52	6.99	-161.917	-106.91	-493.22	498.68	486.58	12.10	41.203	
1,835.00	1,834.96	1,822.54	1,835.82	5.52	7.06	-160.107	-107.45	-493.05	499.10	486.95	12.15	41.073	
1,900.00	1,899.96	1,887.89	1,901.17	5.54	7.18	-168.285	-108.38	-492.71	499.83	487.59	12.25	40.815	
1,930.00	1,929.95	1,918.13	1,931.40	5.55	7.24	-172.837	-108.79	-492.54	500.12	487.83	12.29	40.692	
2,000.00	1,999.95	1,988.75	2,002.01	5.57	7.38	-174.262	-109.76	-492.08	500.80	488.41	12.40	40.390	
2,025.00	2,024.94	2,014.14	2,027.40	5.58	7.43	-174.686	-110.11	-491.88	501.06	488.62	12.44	40.278	
2,100.00	2,099.94	2,090.54	2,103.79	5.61	7.59	-172.485	-111.22	-491.16	501.67	489.11	12.57	39.916	
2,120.00	2,119.93	2,111.13	2,124.37	5.62	7.63	-171.840	-111.55	-490.91	501.78	489.18	12.60	39.813	
2,200.00	2,199.93	2,191.17	2,204.39	5.70	7.78	-81.591	-113.00	-489.72	501.46	488.67	12.78	39.232	
2,216.00	2,215.93	2,206.15	2,219.37	5.71	7.80	-57.387	-113.17	-489.56	501.29	488.48	12.81	39.118	
2,300.00	2,299.92	2,286.19	2,299.40	5.85	7.86	-34.586	-113.04	-489.44	500.02	486.97	13.05	38.320	
2,311.00	2,310.91	2,297.14	2,310.35	5.87	7.86	-33.961	-112.90	-489.48	499.77	486.69	13.08	38.217	
2,400.00	2,399.83	2,385.65	2,398.85	6.07	7.84	-33.610	-110.92	-490.08	496.70	483.36	13.34	37.238	
2,406.00	2,405.82	2,391.61	2,404.80	6.08	7.84	-33.604	-110.79	-490.12	496.43	483.07	13.36	37.169	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report

PERMIAN

RESOURCES

Company:	Permian Resources	Local Co-ordinate Reference:	Well Batman Fed Com 201H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3641.38usft (H&P 296)
Reference Site:	Batman	MD Reference:	RKB @ 3641.38usft (H&P 296)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ST01 / 71612	Database:	USA Compass
Reference Design:	Plan 3 03-03-23	Offset TVD Reference:	Reference Datum

Offset Design: Batman Offsets (NAD27 - Grid) - Hamon A Fed Com 12H - OH - Surveys													Offset Site Error: 0.00 usft
Survey Program: 287-MWD													Offset Well Error: 1.00 usft
Rule Assigned:													
Measured Depth (usft)	Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
2,500.00	2,499.59	2,485.12	2,498.30	6.30	7.83	-31.350	-109.51	-490.66	491.19	477.55	13.63	36.029	
2,501.00	2,500.59	2,486.12	2,499.30	6.30	7.83	-31.335	-109.50	-490.67	491.12	477.49	13.64	36.016	
2,597.00	2,596.19	2,582.06	2,595.23	6.54	7.83	-31.818	-108.90	-491.05	483.93	470.01	13.92	34.757	
2,600.00	2,599.18	2,585.06	2,598.23	6.55	7.83	-31.840	-108.88	-491.06	483.68	469.75	13.93	34.717	
2,692.00	2,690.69	2,676.75	2,689.92	6.78	7.86	-32.513	-108.52	-491.29	475.84	461.63	14.21	33.477	
2,700.00	2,698.65	2,684.67	2,697.84	6.80	7.87	-32.891	-108.52	-491.31	475.15	460.91	14.24	33.368	
2,787.00	2,785.19	2,772.27	2,785.45	7.03	7.95	-37.146	-108.90	-491.35	467.93	453.41	14.52	32.227	
2,800.00	2,798.12	2,785.70	2,798.88	7.06	7.97	-36.855	-108.93	-491.32	466.83	452.27	14.56	32.053	
2,882.00	2,879.59	2,869.48	2,882.66	7.29	8.06	-35.415	-108.80	-490.96	458.96	444.11	14.85	30.911	
2,900.00	2,897.46	2,887.64	2,900.82	7.35	8.08	-34.531	-108.74	-490.84	457.02	442.11	14.92	30.641	
2,978.00	2,974.77	2,965.69	2,978.86	7.59	8.16	-31.341	-108.46	-490.23	447.70	432.49	15.21	29.442	
3,000.00	2,996.56	2,987.53	3,000.70	7.65	8.18	-31.178	-108.40	-490.04	444.86	429.57	15.29	29.095	
3,073.00	3,068.84	3,059.93	3,073.10	7.89	8.26	-30.658	-108.21	-489.37	435.34	419.77	15.57	27.962	
3,100.00	3,095.57	3,086.70	3,099.86	7.97	8.30	-31.655	-108.12	-489.12	431.85	416.18	15.67	27.553	
3,168.00	3,162.96	3,153.85	3,167.01	8.19	8.38	-34.333	-107.88	-488.50	423.52	407.58	15.93	26.579	
3,200.00	3,194.68	3,185.36	3,198.52	8.30	8.42	-32.138	-107.80	-488.22	419.69	403.63	16.06	26.133	
3,263.00	3,257.10	3,247.20	3,260.35	8.51	8.50	-28.069	-107.70	-487.69	411.77	395.46	16.31	25.253	
3,300.00	3,293.74	3,283.43	3,296.59	8.63	8.55	-25.881	-107.68	-487.41	406.86	390.40	16.46	24.721	
3,358.00	3,351.12	3,340.41	3,353.56	8.83	8.62	-22.727	-107.62	-487.04	398.77	382.07	16.69	23.891	
3,400.00	3,392.66	3,381.78	3,394.93	8.98	8.66	-21.591	-107.35	-486.88	392.78	375.92	16.86	23.290	
3,453.00	3,445.12	3,433.73	3,446.88	9.17	8.71	-19.968	-106.90	-486.76	385.47	368.38	17.08	22.565	
3,500.00	3,491.65	3,479.63	3,492.78	9.34	8.75	-20.586	-106.89	-486.57	379.02	361.74	17.28	21.938	
3,548.00	3,539.12	3,526.77	3,539.92	9.51	8.82	-21.286	-107.22	-486.32	372.24	354.78	17.47	21.311	
3,600.00	3,590.47	3,577.92	3,591.06	9.71	8.90	-22.037	-107.66	-486.04	364.54	346.86	17.68	20.621	
3,644.00	3,633.84	3,620.84	3,633.98	9.88	8.97	-22.710	-108.06	-485.82	357.64	339.79	17.85	20.037	
3,700.00	3,689.00	3,675.32	3,688.46	10.09	9.06	-22.345	-108.62	-485.62	348.72	330.66	18.06	19.307	
3,739.00	3,727.42	3,713.02	3,726.16	10.24	9.11	-22.096	-109.06	-485.53	342.58	324.37	18.20	18.819	
3,800.00	3,787.47	3,771.86	3,785.00	10.48	9.20	-24.192	-109.90	-485.51	333.05	314.62	18.42	18.080	
3,834.00	3,820.91	3,805.33	3,818.46	10.61	9.24	-25.389	-110.44	-485.54	327.72	309.19	18.53	17.682	
3,900.00	3,885.76	3,870.64	3,883.77	10.87	9.33	-29.012	-111.40	-485.58	317.23	298.48	18.75	16.923	
3,929.00	3,914.23	3,899.19	3,912.31	10.99	9.37	-30.598	-111.77	-485.59	312.57	293.74	18.83	16.596	
4,000.00	3,983.87	3,969.00	3,982.12	11.27	9.47	-36.759	-112.50	-485.68	301.44	282.41	19.03	15.839	
4,024.00	4,007.40	3,992.42	4,005.54	11.37	9.49	-38.861	-112.71	-485.73	297.83	278.74	19.09	15.600	
4,100.00	4,081.87	4,066.57	4,079.68	11.68	9.58	-43.874	-113.32	-485.97	286.87	267.62	19.25	14.900	
4,119.00	4,100.48	4,085.10	4,098.21	11.76	9.60	-45.150	-113.47	-486.05	284.25	264.96	19.29	14.736	
4,200.00	4,179.76	4,164.08	4,177.18	12.10	9.68	-47.700	-114.16	-486.43	273.38	253.96	19.42	14.079	
4,214.00	4,193.46	4,177.75	4,190.85	12.15	9.69	-48.164	-114.28	-486.50	271.55	252.12	19.44	13.971	
4,300.00	4,277.54	4,261.73	4,274.83	12.52	9.76	-52.500	-114.88	-487.11	260.75	241.21	19.54	13.347	
4,310.00	4,287.31	4,271.49	4,284.59	12.56	9.76	-53.019	-114.93	-487.19	259.55	240.00	19.54	13.280	
4,400.00	4,375.41	4,359.55	4,372.64	12.94	9.81	-57.053	-115.36	-488.09	249.81	230.20	19.61	12.739	
4,405.00	4,380.31	4,364.47	4,377.56	12.96	9.81	-57.281	-115.38	-488.14	249.33	229.72	19.61	12.712	
4,500.00	4,473.56	4,458.03	4,471.12	13.35	9.85	-60.001	-115.76	-489.15	240.79	221.12	19.66	12.245	
4,595.00	4,466.84	4,451.76	4,464.84	13.75	9.90	-64.132	-116.06	-490.13	233.14	213.46	19.68	11.845	
4,600.00	4,571.75	4,556.71	4,569.79	13.77	9.90	-64.366	-116.08	-490.18	232.76	213.08	19.68	11.826	
4,690.00	4,660.33	4,646.02	4,659.10	14.17	9.94	-68.510	-116.23	-490.95	226.93	207.24	19.69	11.528	
4,700.00	4,670.20	4,655.94	4,669.02	14.21	9.94	-68.998	-116.25	-491.02	226.39	206.70	19.69	11.501	
4,785.00	4,754.02	4,740.19	4,753.27	14.56	9.98	-73.266	-116.33	-491.52	222.15	202.49	19.67	11.295	
4,800.00	4,768.81	4,755.05	4,768.13	14.63	9.99	-74.050	-116.35	-491.59	221.48	201.82	19.66	11.264	
4,881.00	4,848.65	4,835.17	4,848.24	14.96	10.06	-78.383	-116.45	-491.76	218.37	198.73	19.63	11.123	
4,900.00	4,867.37	4,853.86	4,866.94	15.04	10.08	-79.351	-116.48	-491.79	217.77	198.15	19.62	11.097	
4,976.00	4,942.25	4,928.62	4,941.70	15.36	10.15	-83.279	-116.60	-491.92	215.95	196.35	19.60	11.015	
5,000.00	4,965.88	4,952.22	4,965.29	15.46	10.18	-84.556	-116.65	-491.96	215.57	195.96	19.60	10.996	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report

PERMIAN

RESOURCES

Company:	Permian Resources	Local Co-ordinate Reference:	Well Batman Fed Com 201H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3641.38usft (H&P 296)
Reference Site:	Batman	MD Reference:	RKB @ 3641.38usft (H&P 296)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ST01 / 71612	Database:	USA Compass
Reference Design:	Plan 3 03-03-23	Offset TVD Reference:	Reference Datum

Offset Design: Batman Offsets (NAD27 - Grid) - Hamon A Fed Com 12H - OH - Surveys													Offset Site Error: 0.00 usft
Survey Program: 287-MWD													Offset Well Error: 1.00 usft
Rule Assigned:													
Measured Depth (usft)	Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,071.00	5,035.78	5,022.05	5,035.13	15.76	10.25	-88.380	-116.83	-492.08	215.01	195.39	19.61	10.962	
5,083.33	5,047.91	5,034.24	5,047.31	15.81	10.27	-89.103	-116.86	-492.10	214.99	195.37	19.62	10.958 CC, ES	
5,100.00	5,064.32	5,050.71	5,063.79	15.88	10.29	-90.083	-116.90	-492.12	215.02	195.39	19.63	10.954	
5,166.00	5,129.22	5,115.83	5,128.90	16.16	10.37	-93.985	-117.02	-492.14	215.58	195.89	19.69	10.949	
5,200.00	5,162.65	5,149.24	5,162.32	16.31	10.41	-94.938	-117.08	-492.12	216.12	196.38	19.74	10.950	
5,261.00	5,222.64	5,209.19	5,222.27	16.57	10.49	-96.580	-117.20	-492.04	217.35	197.48	19.86	10.942	
5,300.00	5,261.01	5,247.54	5,260.61	16.73	10.55	-97.623	-117.28	-491.99	218.29	198.33	19.97	10.932	
5,347.00	5,307.27	5,293.77	5,306.84	16.93	10.61	-98.826	-117.37	-491.93	219.60	199.47	20.12	10.913	
5,400.00	5,359.42	5,345.92	5,359.00	17.16	10.66	-102.149	-117.48	-491.90	221.44	201.11	20.33	10.891	
5,448.00	5,406.65	5,393.17	5,406.25	17.37	10.74	-105.109	-117.57	-491.91	223.59	203.00	20.59	10.861	
5,500.00	5,457.79	5,444.35	5,457.42	17.59	10.84	-102.607	-117.65	-491.91	225.96	205.05	20.91	10.805	
5,543.00	5,500.07	5,486.67	5,499.74	17.78	10.91	-100.612	-117.72	-491.90	227.63	206.42	21.21	10.733	
5,600.00	5,556.08	5,542.87	5,555.94	18.03	10.99	-96.263	-117.76	-491.49	229.25	207.61	21.64	10.595	
5,638.00	5,593.38	5,580.15	5,593.21	18.20	11.04	-93.800	-117.73	-490.83	229.92	207.96	21.96	10.469	
5,700.00	5,654.21	5,641.71	5,654.74	18.47	11.10	-97.095	-117.42	-488.92	231.01	208.54	22.48	10.279	
5,734.00	5,687.57	5,675.25	5,688.25	18.62	11.12	-98.981	-117.07	-487.43	231.85	209.06	22.79	10.172	
5,800.00	5,752.35	5,739.82	5,752.71	18.91	11.18	-102.694	-116.09	-483.83	234.11	210.64	23.47	9.977	
5,829.00	5,780.82	5,768.04	5,780.86	19.04	11.20	-104.350	-115.54	-481.97	235.39	211.60	23.79	9.896	
5,900.00	5,850.56	5,835.83	5,848.43	19.34	11.26	-106.975	-114.06	-476.76	239.35	214.74	24.61	9.725	
5,924.00	5,874.14	5,858.61	5,871.12	19.45	11.29	-107.868	-113.52	-474.75	240.97	216.06	24.91	9.675	
6,000.00	5,948.95	5,930.28	5,942.39	19.78	11.37	-115.968	-111.63	-467.44	247.47	221.62	25.85	9.572	
6,019.00	5,967.70	5,948.11	5,960.10	19.87	11.39	-118.100	-111.11	-465.37	249.44	223.35	26.09	9.561	
6,100.00	6,047.80	6,025.07	6,036.35	20.22	11.49	-125.808	-108.47	-455.31	258.86	231.77	27.10	9.553 SF	
6,114.00	6,061.67	6,038.35	6,049.48	20.28	11.51	-127.222	-107.94	-453.39	260.63	233.36	27.27	9.558	
6,200.00	6,147.01	6,120.94	6,131.04	20.63	11.64	-134.564	-104.30	-440.93	272.14	243.85	28.29	9.619	
6,209.00	6,155.95	6,129.62	6,139.61	20.67	11.65	-135.358	-103.90	-439.60	273.40	245.00	28.40	9.628	
6,300.00	6,246.38	6,217.01	6,225.82	21.03	11.79	-138.418	-99.74	-425.96	286.80	257.39	29.41	9.752	
6,304.00	6,250.36	6,220.84	6,229.60	21.05	11.80	-138.545	-99.55	-425.35	287.42	257.97	29.45	9.759	
6,400.00	6,345.85	6,313.13	6,320.57	21.43	11.96	-144.547	-94.93	-410.51	302.61	272.16	30.45	9.936	
6,495.00	6,440.54	6,405.13	6,411.20	21.79	12.14	-157.232	-90.14	-395.45	317.54	286.17	31.37	10.123	
6,500.00	6,445.53	6,409.99	6,415.99	21.81	12.15	-157.393	-89.89	-394.65	318.31	286.89	31.41	10.133	
6,590.00	6,535.39	6,497.62	6,502.31	22.11	12.33	-160.157	-85.32	-380.25	331.61	299.41	32.19	10.300	
6,600.00	6,545.38	6,507.37	6,511.91	22.15	12.35	-160.752	-84.81	-378.64	333.03	300.75	32.28	10.318	
6,685.00	6,630.33	6,589.81	6,593.09	22.40	12.53	-168.906	-80.48	-364.92	344.48	311.54	32.94	10.458	
6,700.00	6,645.33	6,604.35	6,607.39	22.45	12.57	-170.564	-79.71	-362.46	346.42	313.37	33.05	10.482	
6,780.00	6,725.31	6,682.20	6,683.99	22.66	12.75	-178.684	-75.52	-349.17	357.19	323.55	33.64	10.619	
6,800.00	6,745.31	6,701.67	6,703.14	22.71	12.79	-177.708	-74.47	-345.82	359.98	326.20	33.78	10.656	
6,875.00	6,820.29	6,774.51	6,774.77	22.92	12.97	-174.039	-70.57	-333.21	370.70	336.38	34.32	10.801	
6,900.00	6,845.28	6,798.76	6,798.63	22.99	13.03	-173.093	-69.29	-328.99	374.36	339.87	34.49	10.853	
6,970.00	6,915.26	6,866.78	6,865.49	23.18	13.21	-170.006	-65.69	-317.06	384.77	349.78	34.98	10.998	
7,000.00	6,945.26	6,895.91	6,894.12	23.26	13.29	-170.310	-64.14	-311.91	389.29	354.10	35.19	11.063	
7,065.00	7,010.24	6,959.71	6,956.82	23.44	13.46	-170.878	-60.73	-300.61	399.19	363.55	35.64	11.200	
7,100.00	7,045.24	6,994.10	6,990.61	23.53	13.55	-171.591	-58.88	-294.53	404.56	368.68	35.88	11.275	
7,160.00	7,105.22	7,052.82	7,048.32	23.70	13.71	-172.765	-55.74	-284.16	413.92	377.63	36.29	11.407	
7,200.00	7,145.22	7,091.96	7,086.80	23.81	13.82	-172.632	-53.66	-277.24	420.25	383.69	36.55	11.497	
7,255.00	7,200.20	7,145.83	7,139.74	23.96	13.98	-172.398	-50.81	-267.73	429.03	392.11	36.92	11.621	
7,300.00	7,245.20	7,189.87	7,183.03	24.08	14.11	-172.394	-48.48	-259.95	436.30	399.08	37.21	11.724	
7,351.00	7,296.18	7,239.52	7,231.83	24.22	14.25	-172.382	-45.90	-251.18	444.65	407.11	37.55	11.843	
7,400.00	7,345.17	7,287.29	7,278.79	24.36	14.40	-170.163	-43.49	-242.73	452.75	414.90	37.86	11.959	
7,446.00	7,391.17	7,332.42	7,323.15	24.48	14.53	-167.666	-41.24	-234.76	460.36	422.21	38.16	12.065	
7,500.00	7,445.16	7,385.10	7,374.94	24.63	14.70	-168.407	-38.63	-225.46	469.32	430.83	38.50	12.192	
7,541.00	7,486.15	7,424.34	7,413.52	24.74	14.82	-168.784	-36.84	-218.53	476.24	437.50	38.74	12.292	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report

PERMIAN

RESOURCES

Company:	Permian Resources	Local Co-ordinate Reference:	Well Batman Fed Com 201H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3641.38usft (H&P 296)
Reference Site:	Batman	MD Reference:	RKB @ 3641.38usft (H&P 296)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ST01 / 71612	Database:	USA Compass
Reference Design:	Plan 3 03-03-23	Offset TVD Reference:	Reference Datum

Offset Design: Batman Offsets (NAD27 - Grid) - Hamon A Fed Com 12H - OH - Surveys													Offset Site Error: 0.00 usft
Survey Program: 287-MWD													Offset Well Error: 1.00 usft
Reference	Offset	Semi Major Axis		Highside		Offset Wellbore Centre		Distance		Minimum	Separation	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)		
7,600.00	7,545.14	7,481.11	7,469.35	24.90	15.00	-166.615	-34.59	-208.47	486.38	447.29	39.10	12.440	
7,636.00	7,581.13	7,516.31	7,503.96	25.00	15.12	-165.293	-33.30	-202.24	492.64	453.31	39.33	12.527	
7,700.00	7,645.13	7,579.49	7,566.11	25.17	15.32	-162.794	-31.07	-191.07	503.76	464.03	39.73	12.679	
7,731.00	7,676.12	7,610.91	7,597.02	25.25	15.43	-161.345	-29.95	-185.58	509.08	469.13	39.94	12.746	
7,800.00	7,745.11	7,680.32	7,665.35	25.42	15.66	-159.554	-27.39	-173.63	520.69	480.30	40.39	12.893	
7,826.00	7,771.11	7,706.06	7,690.70	25.49	15.74	-158.790	-26.42	-169.23	525.02	484.48	40.55	12.948	
7,900.00	7,845.10	7,778.72	7,762.24	25.67	15.99	-158.713	-23.66	-156.85	537.35	496.35	41.00	13.107	
7,921.00	7,866.10	7,799.05	7,782.25	25.73	16.06	-158.668	-22.89	-153.37	540.86	499.74	41.12	13.153	
8,000.00	7,945.09	7,875.61	7,857.61	25.92	16.32	-155.977	-20.02	-140.18	554.21	512.62	41.58	13.328	
8,016.00	7,961.09	7,891.14	7,872.89	25.96	16.37	-155.412	-19.44	-137.49	556.93	515.25	41.68	13.364	
8,100.00	8,045.08	7,972.45	7,952.89	26.17	16.65	-157.440	-16.31	-123.30	571.50	529.33	42.17	13.552	
8,112.00	8,057.08	7,984.02	7,964.27	26.20	16.69	-157.686	-15.85	-121.26	573.62	531.38	42.24	13.579	
8,200.00	8,145.07	8,068.91	8,047.74	26.42	16.99	-148.364	-12.44	-106.18	589.34	546.58	42.76	13.783	
8,207.00	8,152.07	8,075.67	8,054.39	26.43	17.02	-147.628	-12.15	-104.97	590.60	547.80	42.80	13.799	
8,300.00	8,245.06	8,167.21	8,144.34	26.64	17.35	-144.152	-8.13	-88.46	607.24	563.89	43.36	14.006	
8,303.00	8,248.05	8,170.25	8,147.33	26.65	17.36	-143.995	-7.99	-87.92	607.77	564.40	43.37	14.012	
8,398.00	8,343.05	8,265.54	8,241.02	26.87	17.70	-149.164	-3.67	-71.05	624.49	580.53	43.96	14.205	
8,400.00	8,345.04	8,267.52	8,242.96	26.87	17.71	-149.180	-3.58	-70.70	624.84	580.87	43.97	14.209	
8,493.00	8,438.03	8,364.92	8,338.78	27.09	18.06	-147.457	0.87	-53.85	641.03	596.43	44.60	14.372	
8,500.00	8,445.03	8,372.77	8,346.52	27.10	18.09	-146.705	1.22	-52.55	642.19	597.54	44.65	14.382	
8,589.00	8,534.03	8,470.48	8,442.94	27.29	18.43	-134.904	5.61	-37.33	656.03	610.76	45.27	14.491	
8,600.00	8,545.03	8,482.38	8,454.69	27.31	18.47	-136.473	6.12	-35.57	657.64	612.30	45.34	14.503	
8,684.00	8,629.02	8,567.77	8,539.12	27.48	18.77	-145.682	9.78	-23.30	669.87	624.03	45.84	14.613	
8,700.00	8,645.01	8,583.59	8,554.77	27.51	18.83	-142.457	10.46	-21.04	672.21	626.29	45.92	14.638	
8,780.00	8,725.01	8,672.18	8,642.42	27.64	19.14	-108.820	14.34	-8.85	683.11	636.69	46.43	14.713	
8,800.00	8,745.01	8,695.21	8,665.24	27.65	19.22	-101.816	15.38	-5.93	685.53	638.99	46.54	14.730	
8,875.00	8,820.00	8,773.69	8,743.05	27.69	19.48	-86.414	19.26	3.62	694.08	647.20	46.87	14.808	
8,900.00	8,845.00	8,799.53	8,768.66	27.69	19.56	-82.071	20.67	6.69	696.79	649.83	46.96	14.838	
8,970.00	8,914.99	8,869.93	8,838.47	27.68	19.79	-69.957	24.53	14.95	704.20	657.01	47.19	14.922	
9,000.00	8,944.99	8,898.43	8,866.74	27.66	19.89	-72.042	26.08	18.28	707.33	660.06	47.27	14.964	
9,066.00	9,010.98	8,954.68	8,922.47	27.64	20.08	-76.434	29.03	25.28	714.81	667.42	47.39	15.084	
9,100.00	9,044.98	8,983.00	8,950.49	27.64	20.18	-80.064	30.46	29.07	719.03	671.58	47.45	15.152	
9,161.00	9,105.97	9,043.03	9,009.88	27.64	20.40	-85.590	33.37	37.32	726.92	679.25	47.67	15.250	
9,200.00	9,144.97	9,081.34	9,047.79	27.65	20.53	-89.265	35.16	42.63	732.07	684.25	47.82	15.309	
9,256.00	9,200.96	9,141.00	9,106.83	27.67	20.75	-94.755	37.77	50.69	739.38	691.30	48.08	15.378	
9,300.00	9,244.95	9,188.72	9,154.11	27.70	20.92	-102.590	39.70	56.86	744.99	696.67	48.31	15.419	
9,351.00	9,295.95	9,245.89	9,210.82	27.75	21.13	-112.457	41.81	63.81	751.23	702.63	48.60	15.457	
9,400.00	9,344.94	9,298.53	9,263.09	27.83	21.31	-129.276	43.57	69.78	757.01	708.12	48.89	15.483	
9,446.00	9,390.93	9,346.59	9,310.84	27.91	21.48	-143.407	45.04	75.05	762.46	713.31	49.15	15.512	
9,500.00	9,444.93	9,401.52	9,365.44	28.03	21.68	-144.423	46.59	80.90	768.85	719.37	49.48	15.539	
9,541.00	9,485.92	9,442.80	9,406.47	28.12	21.82	-145.122	47.72	85.26	773.71	723.99	49.72	15.561	
9,600.00	9,544.91	9,503.38	9,466.70	28.16	22.04	49.221	49.33	91.56	780.03	730.04	49.99	15.605	
9,636.00	9,580.91	9,540.65	9,503.77	28.19	22.17	41.837	50.28	95.34	783.20	733.05	50.15	15.617	
9,700.00	9,644.89	9,602.14	9,564.92	28.09	22.39	45.836	51.72	101.57	788.51	738.25	50.26	15.687	
9,731.00	9,675.89	9,631.42	9,594.04	28.04	22.49	47.921	52.30	104.62	791.22	740.90	50.31	15.725	
9,800.00	9,744.87	9,689.81	9,652.06	28.01	22.70	55.817	53.42	111.07	797.82	747.37	50.45	15.813	
9,900.00	9,844.85	9,750.50	9,712.09	27.97	22.93	68.311	56.01	119.45	810.57	760.12	50.45	16.067	
9,921.00	9,865.84	9,761.63	9,722.99	27.96	22.97	70.982	57.09	121.41	813.99	763.56	50.43	16.141	
10,000.00	9,944.84	9,810.04	9,769.80	27.97	23.16	91.800	64.36	131.31	829.20	778.77	50.43	16.441	
10,017.00	9,961.83	9,841.07	9,799.37	27.97	23.27	101.462	71.13	137.85	832.67	782.04	50.63	16.445	
10,100.00	10,044.83	9,927.21	9,879.15	28.06	23.55	115.834	99.04	153.97	848.42	797.44	50.98	16.642	
10,112.00	10,056.83	9,938.37	9,889.16	28.07	23.59	116.940	103.52	156.05	850.86	799.85	51.01	16.680	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report

PERMIAN

RESOURCES

Company:	Permian Resources	Local Co-ordinate Reference:	Well Batman Fed Com 201H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3641.38usft (H&P 296)
Reference Site:	Batman	MD Reference:	RKB @ 3641.38usft (H&P 296)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ST01 / 71612	Database:	USA Compass
Reference Design:	Plan 3 03-03-23	Offset TVD Reference:	Reference Datum

Offset Design: Batman Offsets (NAD27 - Grid) - Hamon A Fed Com 12H - OH - Surveys													Offset Site Error: 0.00 usft
Survey Program: 287-MWD							Rule Assigned:						Offset Well Error: 1.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,200.00	10,144.81	10,029.43	9,967.99	28.22	23.85	120.014	146.24	171.50	869.01	817.74	51.27	16.950	
10,207.00	10,151.81	10,035.27	9,972.83	28.23	23.87	120.113	149.37	172.40	870.52	819.25	51.28	16.977	
10,300.00	10,244.79	10,137.75	10,054.80	28.30	24.17	68.210	209.17	186.50	890.95	839.64	51.31	17.364	
10,302.00	10,246.79	10,144.37	10,059.93	28.31	24.19	66.802	213.30	187.18	891.36	840.03	51.33	17.367	
10,397.00	10,341.77	10,216.00	10,113.71	28.19	24.40	2.042	260.23	192.86	910.57	859.68	50.89	17.891	
10,400.00	10,344.77	10,216.00	10,113.71	28.18	24.40	2.042	260.23	192.86	911.24	860.36	50.87	17.912	
10,491.00	10,435.72	10,259.44	10,144.58	27.96	24.55	0.453	290.57	196.45	933.88	883.61	50.27	18.578	
10,500.00	10,444.71	10,262.40	10,146.66	27.94	24.56	-0.929	292.68	196.74	936.43	886.23	50.20	18.653	
10,539.00	10,483.69	10,279.00	10,158.16	27.84	24.62	-7.362	304.51	198.52	948.24	898.31	49.93	18.990	
10,600.00	10,544.55	10,296.19	10,169.87	28.35	24.69	-81.820	316.93	200.57	969.33	919.15	50.18	19.317	
10,634.00	10,578.20	10,311.00	10,179.72	28.64	24.74	-86.718	327.82	202.43	982.59	932.30	50.29	19.537	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report

PERMIAN

RESOURCES

Company:	Permian Resources	Local Co-ordinate Reference:	Well Batman Fed Com 201H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3641.38usft (H&P 296)
Reference Site:	Batman	MD Reference:	RKB @ 3641.38usft (H&P 296)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ST01 / 71612	Database:	USA Compass
Reference Design:	Plan 3 03-03-23	Offset TVD Reference:	Reference Datum

Offset Design: Batman Offsets (NAD27 - Grid) - Hamon A Federal Com 11H - OH - Survys													Offset Site Error: 0.00 usft
Survey Program: 193-MWD													Offset Well Error: 1.00 usft
Reference	Offset	Semi Major Axis		Distance		Rule Assigned:		Warning					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	0.00	13.38	1.00	1.00	-99.947	-96.37	-549.50	558.05				
100.00	100.00	84.53	97.91	1.27	1.35	-3.101	-96.24	-549.69	557.93	555.31	2.62	213.149	
178.00	178.00	160.64	174.02	1.89	1.99	-3.059	-95.89	-550.17	558.09	554.21	3.88	143.826	
200.00	200.00	182.10	195.48	1.96	2.19	1.066	-95.76	-550.36	558.16	554.01	4.15	134.612	
261.00	261.00	244.65	258.02	2.14	2.45	10.977	-95.39	-550.88	558.31	553.73	4.58	121.957	
300.00	300.00	285.08	298.45	2.25	2.56	1.943	-95.26	-551.06	558.25	553.45	4.80	116.251	
345.00	345.00	332.00	345.37	2.38	2.68	-5.424	-95.16	-551.13	558.01	552.96	5.04	110.608	
400.00	400.00	388.87	402.24	2.54	2.82	-8.139	-95.00	-551.01	557.47	552.14	5.33	104.589	
429.00	428.99	418.12	431.49	2.62	2.88	-9.574	-94.94	-550.89	557.14	551.67	5.47	101.793	
500.00	499.99	489.44	502.81	2.81	3.03	14.117	-94.91	-550.54	556.34	550.53	5.81	95.682	
514.00	513.99	503.39	516.76	2.84	3.06	19.946	-94.90	-550.47	556.20	550.31	5.88	94.573	
598.00	597.99	587.09	600.46	3.06	3.24	37.612	-94.67	-550.11	555.35	549.09	6.26	88.669	
600.00	599.99	589.09	602.46	3.06	3.24	37.613	-94.66	-550.10	555.33	549.06	6.27	88.530	
695.00	694.99	683.43	696.79	3.33	3.45	14.130	-94.29	-549.78	554.48	547.75	6.73	82.354	
700.00	699.99	688.36	701.72	3.34	3.46	16.785	-94.27	-549.76	554.44	547.69	6.76	82.076	
790.00	789.99	777.33	790.70	3.57	3.65	62.753	-94.01	-549.62	553.97	546.81	7.16	77.420	
800.00	799.99	787.26	800.62	3.60	3.68	59.964	-94.00	-549.61	553.93	546.73	7.20	76.959	
885.00	884.99	871.90	885.27	3.81	3.83	40.501	-93.94	-549.56	553.56	546.00	7.55	73.291	
900.00	899.99	886.89	900.26	3.84	3.86	44.136	-93.95	-549.55	553.48	545.87	7.61	72.703	
973.75	973.73	958.97	972.34	4.02	3.97	64.011	-94.09	-549.55	553.25	545.35	7.90	70.058	
980.00	979.99	964.95	978.32	4.04	3.97	65.767	-94.12	-549.56	553.25	545.33	7.92	69.853	
1,000.00	999.99	984.08	997.45	4.08	4.00	57.163	-94.23	-549.62	553.27	545.28	7.99	69.212	
1,075.00	1,074.98	1,058.38	1,071.74	4.26	4.09	19.025	-94.84	-549.98	553.45	545.18	8.27	66.939	
1,100.00	1,099.98	1,083.79	1,097.15	4.32	4.12	28.126	-95.03	-550.09	553.46	545.10	8.36	66.200	
1,129.30	1,129.28	1,113.05	1,126.41	4.39	4.15	36.754	-95.21	-550.21	553.45	544.98	8.47	65.354	
1,170.00	1,169.98	1,151.94	1,165.30	4.49	4.20	45.713	-95.47	-550.43	553.51	544.90	8.62	64.237	
1,200.00	1,199.98	1,180.60	1,193.96	4.57	4.24	37.303	-95.69	-550.67	553.63	544.91	8.73	63.446	
1,265.00	1,264.98	1,244.38	1,257.73	4.73	4.33	19.240	-96.25	-551.38	554.00	545.03	8.97	61.772	
1,300.00	1,299.98	1,279.03	1,292.38	4.81	4.37	17.837	-96.59	-551.79	554.21	545.10	9.10	60.880	
1,360.00	1,359.98	1,340.21	1,353.55	4.96	4.46	15.520	-97.26	-552.48	554.51	545.18	9.34	59.381	
1,400.00	1,399.98	1,381.22	1,394.56	5.06	4.52	16.697	-97.78	-552.84	554.67	545.18	9.50	58.415	
1,462.00	1,461.98	1,445.01	1,458.33	5.21	4.62	23.463	-98.51	-553.24	554.94	545.20	9.74	56.958	
1,500.00	1,499.98	1,482.87	1,496.20	5.29	4.67	-7.756	-98.86	-553.40	555.06	545.19	9.87	56.260	
1,549.00	1,548.97	1,532.42	1,545.75	5.38	4.83	-23.058	-99.33	-553.68	555.19	545.07	10.12	54.846	
1,600.00	1,599.97	1,585.09	1,598.41	5.44	5.04	-89.412	-99.75	-553.84	555.27	544.88	10.39	53.436	
1,644.00	1,643.97	1,630.52	1,643.84	5.49	5.21	-128.942	-100.02	-553.86	555.44	544.81	10.62	52.283	
1,700.00	1,699.97	1,687.87	1,701.19	5.50	5.37	-153.421	-100.26	-553.75	555.73	544.93	10.80	51.466	
1,740.00	1,739.97	1,728.39	1,741.71	5.51	5.43	-164.189	-100.40	-553.61	556.00	545.14	10.86	51.190	
1,800.00	1,799.96	1,788.54	1,801.86	5.52	5.51	-159.990	-100.60	-553.36	556.50	545.55	10.95	50.839	
1,835.00	1,834.96	1,823.28	1,836.60	5.52	5.55	-158.130	-100.72	-553.22	556.85	545.86	11.00	50.645	
1,900.00	1,899.96	1,887.67	1,900.98	5.54	5.64	-166.225	-100.98	-553.02	557.55	546.46	11.09	50.268	
1,930.00	1,929.95	1,917.34	1,930.66	5.55	5.68	-170.737	-101.07	-552.96	557.87	546.74	11.14	50.094	
2,000.00	1,999.95	1,987.06	2,000.38	5.57	5.77	-172.058	-101.19	-552.88	558.73	547.49	11.24	49.691	
2,025.00	2,024.94	2,012.08	2,025.39	5.58	5.80	-172.440	-101.19	-552.86	559.07	547.79	11.28	49.554	
2,100.00	2,099.94	2,087.18	2,100.50	5.61	5.88	-170.091	-101.09	-552.80	560.08	548.68	11.40	49.118	
2,120.00	2,119.93	2,107.21	2,120.53	5.62	5.90	-169.401	-101.07	-552.79	560.33	548.89	11.43	49.003	
2,200.00	2,199.93	2,187.86	2,201.18	5.70	5.98	-78.956	-101.01	-552.68	560.71	549.10	11.61	48.298	
2,216.00	2,215.93	2,204.04	2,217.36	5.71	6.00	-54.730	-101.02	-552.63	560.63	548.99	11.64	48.146	
2,300.00	2,299.92	2,288.22	2,301.53	5.85	6.11	-31.945	-101.14	-552.36	559.23	547.33	11.90	47.000	
2,311.00	2,310.91	2,299.19	2,312.51	5.87	6.12	-31.336	-101.15	-552.33	558.92	546.99	11.93	46.843	
2,400.00	2,399.83	2,387.56	2,400.88	6.07	6.22	-31.189	-101.18	-552.10	555.41	543.18	12.23	45.413	
2,406.00	2,405.82	2,393.51	2,406.82	6.08	6.23	-31.195	-101.17	-552.09	555.11	542.86	12.25	45.314	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report

PERMIAN

RESOURCES

Company:	Permian Resources	Local Co-ordinate Reference:	Well Batman Fed Com 201H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3641.38usft (H&P 296)
Reference Site:	Batman	MD Reference:	RKB @ 3641.38usft (H&P 296)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ST01 / 71612	Database:	USA Compass
Reference Design:	Plan 3 03-03-23	Offset TVD Reference:	Reference Datum

Offset Design: Batman Offsets (NAD27 - Grid) - Hamon A Federal Com 11H - OH - Survys													Offset Site Error: 0.00 usft
Survey Program: 193-MWD													Offset Well Error: 1.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance		Rule Assigned:		Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
2,500.00	2,499.59	2,488.05	2,501.37	6.30	6.33	-29.029	-101.03	-551.91	549.30	536.72	12.57	43.692	
2,501.00	2,500.59	2,489.06	2,502.38	6.30	6.33	-29.014	-101.03	-551.91	549.22	536.65	12.58	43.674	
2,597.00	2,596.19	2,585.87	2,599.19	6.54	6.45	-29.499	-100.99	-551.48	541.20	528.28	12.92	41.894	
2,600.00	2,599.18	2,588.89	2,602.21	6.55	6.45	-29.519	-100.99	-551.46	540.92	527.99	12.93	41.838	
2,692.00	2,690.69	2,681.55	2,694.87	6.78	6.57	-30.155	-100.91	-550.84	532.13	518.86	13.27	40.113	
2,700.00	2,698.65	2,689.61	2,702.92	6.80	6.58	-30.525	-100.89	-550.78	531.35	518.05	13.30	39.964	
2,787.00	2,785.19	2,777.58	2,790.89	7.03	6.70	-34.634	-100.65	-549.99	522.96	509.34	13.62	38.391	
2,800.00	2,798.12	2,790.72	2,804.03	7.06	6.72	-34.320	-100.61	-549.84	521.70	508.03	13.67	38.157	
2,882.00	2,879.59	2,872.19	2,885.50	7.29	6.83	-32.752	-100.38	-548.94	513.02	499.04	13.99	36.672	
2,900.00	2,897.46	2,890.00	2,903.30	7.35	6.86	-31.841	-100.32	-548.74	510.95	496.89	14.06	36.333	
2,978.00	2,974.77	2,964.52	2,977.82	7.59	6.96	-28.502	-100.14	-548.11	501.35	486.97	14.38	34.865	
3,000.00	2,996.56	2,986.00	2,999.30	7.65	6.99	-28.298	-100.10	-548.00	498.52	484.05	14.47	34.448	
3,073.00	3,068.84	3,059.19	3,072.49	7.89	7.10	-27.653	-99.98	-547.58	489.01	474.24	14.78	33.092	
3,100.00	3,095.57	3,086.36	3,099.66	7.97	7.14	-28.609	-99.94	-547.37	485.47	470.58	14.89	32.601	
3,168.00	3,162.96	3,154.10	3,167.39	8.19	7.24	-31.171	-99.74	-546.80	476.96	461.78	15.18	31.423	
3,200.00	3,194.68	3,185.59	3,198.88	8.30	7.28	-28.904	-99.59	-546.54	473.01	457.70	15.32	30.884	
3,263.00	3,257.10	3,245.89	3,259.18	8.51	7.37	-24.689	-99.48	-546.15	464.97	449.40	15.58	29.848	
3,300.00	3,293.74	3,281.60	3,294.89	8.63	7.42	-22.426	-99.55	-546.01	460.10	444.36	15.74	29.232	
3,358.00	3,351.12	3,338.72	3,352.01	8.83	7.50	-19.166	-99.70	-545.83	452.05	436.06	15.99	28.278	
3,400.00	3,392.66	3,380.20	3,393.49	8.98	7.56	-17.990	-99.79	-545.72	446.11	429.94	16.17	27.590	
3,453.00	3,445.12	3,432.89	3,446.18	9.17	7.64	-16.351	-99.95	-545.56	438.80	422.40	16.40	26.758	
3,500.00	3,491.65	3,479.24	3,492.53	9.34	7.70	-16.898	-100.15	-545.37	432.29	415.68	16.60	26.037	
3,548.00	3,539.12	3,526.04	3,539.32	9.51	7.77	-17.466	-100.42	-545.23	425.42	408.61	16.81	25.315	
3,600.00	3,590.47	3,577.35	3,590.64	9.71	7.84	-18.056	-100.78	-545.11	417.62	400.59	17.03	24.517	
3,644.00	3,633.84	3,621.45	3,634.73	9.88	7.90	-18.576	-101.03	-544.97	410.55	393.32	17.23	23.833	
3,700.00	3,689.00	3,677.27	3,690.55	10.09	7.99	-17.996	-101.27	-544.70	401.18	383.70	17.47	22.958	
3,739.00	3,727.42	3,715.96	3,729.25	10.24	8.05	-17.593	-101.44	-544.46	394.60	376.95	17.65	22.357	
3,800.00	3,787.47	3,775.07	3,788.35	10.48	8.14	-19.419	-101.79	-544.07	384.17	366.25	17.92	21.443	
3,834.00	3,820.91	3,807.31	3,820.58	10.61	8.19	-20.434	-102.05	-543.95	378.37	360.32	18.06	20.954	
3,900.00	3,885.76	3,871.48	3,884.76	10.87	8.27	-23.707	-102.69	-543.91	367.17	348.85	18.32	20.044	
3,929.00	3,914.23	3,900.36	3,913.64	10.99	8.31	-25.141	-102.95	-543.87	362.16	343.74	18.43	19.655	
4,000.00	3,983.87	3,970.21	3,983.48	11.27	8.39	-30.905	-103.44	-543.74	349.99	331.32	18.67	18.744	
4,024.00	4,007.40	3,993.58	4,006.85	11.37	8.41	-32.857	-103.53	-543.74	345.99	327.25	18.75	18.453	
4,100.00	4,081.87	4,067.97	4,081.25	11.68	8.47	-37.337	-103.65	-543.85	333.65	314.68	18.97	17.588	
4,119.00	4,100.48	4,086.64	4,099.91	11.76	8.48	-38.477	-103.68	-543.87	330.62	311.60	19.02	17.383	
4,200.00	4,179.76	4,165.77	4,179.04	12.10	8.56	-40.400	-103.93	-543.90	317.82	298.61	19.22	16.537	
4,214.00	4,193.46	4,179.38	4,192.65	12.15	8.57	-40.749	-103.98	-543.91	315.64	296.39	19.25	16.396	
4,300.00	4,277.54	4,263.63	4,276.90	12.52	8.65	-44.412	-104.28	-544.02	302.47	283.04	19.42	15.572	
4,310.00	4,287.31	4,273.48	4,286.75	12.56	8.65	-44.853	-104.31	-544.03	300.95	281.51	19.44	15.481	
4,400.00	4,375.41	4,361.41	4,374.68	12.94	8.72	-48.162	-104.41	-544.12	288.25	268.68	19.57	14.726	
4,405.00	4,380.31	4,366.26	4,379.53	12.96	8.72	-48.350	-104.42	-544.13	287.60	268.02	19.58	14.688	
4,500.00	4,473.56	4,459.77	4,473.05	13.35	8.77	-50.361	-104.65	-544.35	275.98	256.30	19.69	14.018	
4,595.00	4,566.84	4,553.64	4,566.91	13.75	8.80	-53.776	-104.53	-544.46	264.81	245.05	19.76	13.402	
4,600.00	4,571.75	4,558.55	4,571.82	13.77	8.80	-53.966	-104.52	-544.47	264.23	244.47	19.76	13.372	
4,690.00	4,660.33	4,647.45	4,660.72	14.17	8.81	-57.373	-104.19	-544.67	255.10	235.30	19.80	12.881	
4,700.00	4,670.20	4,657.38	4,670.65	14.21	8.82	-57.792	-104.14	-544.69	254.21	234.40	19.81	12.834	
4,785.00	4,754.02	4,741.05	4,754.32	14.56	8.83	-61.425	-103.68	-544.88	246.85	227.04	19.81	12.461	
4,800.00	4,768.81	4,755.74	4,769.01	14.63	8.83	-62.080	-103.58	-544.96	245.62	225.82	19.81	12.401	
4,881.00	4,848.65	4,835.65	4,848.92	14.96	8.84	-65.719	-103.05	-545.45	239.49	219.73	19.76	12.118	
4,900.00	4,867.37	4,854.46	4,867.73	15.04	8.84	-66.549	-102.96	-545.52	238.15	218.40	19.75	12.060	
4,976.00	4,942.25	4,929.71	4,942.97	15.36	8.87	-70.021	-102.69	-545.57	233.09	213.44	19.65	11.862	
5,000.00	4,965.88	4,953.47	4,966.74	15.46	8.88	-71.174	-102.60	-545.55	231.61	211.99	19.61	11.808	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report

PERMIAN

RESOURCES

Company:	Permian Resources	Local Co-ordinate Reference:	Well Batman Fed Com 201H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3641.38usft (H&P 296)
Reference Site:	Batman	MD Reference:	RKB @ 3641.38usft (H&P 296)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ST01 / 71612	Database:	USA Compass
Reference Design:	Plan 3 03-03-23	Offset TVD Reference:	Reference Datum

Offset Design: Batman Offsets (NAD27 - Grid) - Hamon A Federal Com 11H - OH - Survys													Offset Site Error: 0.00 usft
Survey Program: 193-MWD													Offset Well Error: 1.00 usft
Rule Assigned:													
Measured Depth (usft)	Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,071.00	5,035.78	5,023.56	5,036.82	15.76	8.92	-74.670	-102.28	-545.48	227.59	208.10	19.49	11.678	
5,100.00	5,064.32	5,052.14	5,065.40	15.88	8.94	-76.253	-102.13	-545.46	226.13	206.70	19.43	11.637	
5,166.00	5,129.22	5,117.20	5,130.46	16.16	8.98	-79.940	-101.78	-545.38	223.28	203.98	19.30	11.572	
5,200.00	5,162.65	5,150.71	5,163.97	16.31	9.00	-80.808	-101.60	-545.31	222.02	202.80	19.22	11.549	
5,261.00	5,222.64	5,210.34	5,223.60	16.57	9.04	-82.315	-101.29	-545.21	220.04	200.93	19.11	11.515	
5,300.00	5,261.01	5,248.43	5,261.69	16.73	9.06	-83.290	-101.13	-545.22	219.01	199.96	19.04	11.500	
5,347.00	5,307.27	5,294.93	5,308.19	16.93	9.09	-84.469	-100.94	-545.25	217.94	198.96	18.98	11.483	
5,400.00	5,359.42	5,347.47	5,360.73	17.16	9.12	-87.855	-100.67	-545.21	217.02	198.09	18.93	11.464	
5,448.00	5,406.65	5,395.30	5,408.56	17.37	9.17	-90.957	-100.32	-545.12	216.57	197.63	18.94	11.436	
5,500.00	5,457.79	5,447.11	5,460.36	17.59	9.24	-88.650	-99.80	-544.98	215.99	197.00	18.99	11.375	
5,543.00	5,500.07	5,489.84	5,503.09	17.78	9.29	-86.820	-99.26	-544.85	215.10	196.05	19.05	11.290	
5,600.00	5,556.08	5,546.13	5,559.37	18.03	9.32	-82.539	-98.41	-544.86	213.24	194.06	19.18	11.115	
5,638.00	5,593.38	5,583.76	5,596.99	18.20	9.35	-80.003	-97.77	-545.03	211.49	192.19	19.30	10.959	
5,700.00	5,654.21	5,645.59	5,658.81	18.47	9.38	-82.943	-96.49	-545.49	208.44	188.95	19.50	10.691	
5,734.00	5,687.57	5,679.41	5,692.62	18.62	9.40	-84.556	-95.67	-545.82	206.91	187.27	19.63	10.539	
5,800.00	5,752.35	5,744.55	5,757.74	18.91	9.43	-87.652	-93.99	-546.45	204.32	184.37	19.95	10.242	
5,829.00	5,780.82	5,773.16	5,786.33	19.04	9.45	-89.022	-93.22	-546.71	203.37	183.26	20.11	10.111	
5,900.00	5,850.56	5,843.07	5,856.21	19.34	9.50	-90.961	-91.32	-547.37	201.37	180.80	20.57	9.788	
5,924.00	5,874.14	5,866.68	5,879.81	19.45	9.51	-91.611	-90.67	-547.59	200.79	180.04	20.75	9.678	
6,000.00	5,948.95	5,941.42	5,954.53	19.78	9.57	-98.724	-88.65	-548.33	199.81	178.48	21.33	9.367	
6,011.84	5,960.63	5,953.09	5,966.19	19.84	9.58	-99.875	-88.34	-548.45	199.80	178.37	21.42	9.326	
6,019.00	5,967.70	5,960.16	5,973.25	19.87	9.58	-100.579	-88.15	-548.53	199.80	178.32	21.48	9.302	
6,100.00	6,047.80	6,040.21	6,053.28	20.22	9.65	-106.895	-86.07	-549.34	200.41	178.29	22.12	9.060	
6,114.00	6,061.67	6,054.09	6,067.16	20.28	9.66	-108.042	-85.71	-549.48	200.59	178.36	22.23	9.024	
6,200.00	6,147.01	6,139.55	6,152.58	20.63	9.74	-113.705	-83.50	-550.30	202.00	179.12	22.88	8.828	
6,209.00	6,155.95	6,148.50	6,161.52	20.67	9.75	-114.326	-83.26	-550.38	202.17	179.22	22.95	8.810	
6,300.00	6,246.38	6,239.02	6,252.01	21.03	9.84	-115.908	-80.90	-551.17	203.98	180.35	23.63	8.631	
6,304.00	6,250.36	6,242.99	6,255.98	21.05	9.84	-115.977	-80.79	-551.20	204.07	180.40	23.67	8.623	
6,400.00	6,345.85	6,338.49	6,351.44	21.43	9.95	-120.487	-78.26	-551.93	206.10	181.71	24.39	8.451	
6,495.00	6,440.54	6,432.87	6,445.79	21.79	10.06	-131.551	-75.88	-552.58	208.02	182.99	25.03	8.312	
6,500.00	6,445.53	6,437.88	6,450.80	21.81	10.06	-131.630	-75.75	-552.62	208.11	183.05	25.06	8.305	
6,590.00	6,535.39	6,528.09	6,540.98	22.11	10.18	-132.887	-73.49	-553.31	209.13	183.56	25.57	8.178	
6,600.00	6,545.38	6,538.09	6,550.98	22.15	10.19	-133.307	-73.23	-553.40	209.17	183.54	25.63	8.162	
6,685.00	6,630.33	6,623.07	6,635.92	22.40	10.30	-139.907	-71.00	-554.04	208.83	182.79	26.04	8.021	
6,700.00	6,645.33	6,637.94	6,650.79	22.45	10.32	-141.285	-70.62	-554.14	208.68	182.58	26.10	7.995	
6,780.00	6,725.31	6,717.30	6,730.12	22.66	10.43	-147.945	-68.71	-554.68	208.16	181.72	26.44	7.873	
6,800.00	6,745.31	6,737.16	6,749.98	22.71	10.46	-146.628	-68.26	-554.81	208.09	181.56	26.53	7.844	
6,875.00	6,820.29	6,811.72	6,824.52	22.92	10.56	-141.751	-66.70	-555.21	207.91	181.06	26.86	7.741	
6,900.00	6,845.28	6,836.81	6,849.61	22.99	10.60	-140.423	-66.19	-555.35	207.85	180.88	26.97	7.706	
6,970.00	6,915.26	6,906.99	6,919.76	23.18	10.70	-136.287	-64.73	-555.80	207.50	180.22	27.28	7.606	
7,000.00	6,945.26	6,936.81	6,949.58	23.26	10.74	-136.149	-64.12	-556.00	207.32	179.91	27.41	7.563	
7,065.00	7,010.24	7,001.46	7,014.21	23.44	10.84	-135.793	-62.84	-556.34	206.96	179.27	27.69	7.473	
7,100.00	7,045.24	7,036.37	7,049.12	23.53	10.88	-136.018	-62.21	-556.56	206.79	178.94	27.84	7.427	
7,160.00	7,105.22	7,096.48	7,109.22	23.70	10.97	-136.347	-61.24	-557.10	206.54	178.45	28.09	7.352	
7,200.00	7,145.22	7,137.63	7,150.36	23.81	11.03	-135.659	-60.49	-557.64	206.24	177.97	28.27	7.295	
7,255.00	7,200.20	7,193.89	7,206.59	23.96	11.10	-134.676	-59.18	-558.60	205.46	176.95	28.51	7.207	
7,300.00	7,245.20	7,238.88	7,251.56	24.08	11.17	-134.082	-58.04	-559.44	204.69	176.00	28.70	7.133	
7,351.00	7,296.18	7,289.81	7,302.47	24.22	11.25	-133.444	-56.75	-560.38	203.83	174.92	28.91	7.051	
7,400.00	7,345.17	7,338.56	7,351.20	24.36	11.32	-130.659	-55.56	-561.27	203.01	173.90	29.11	6.974	
7,446.00	7,391.17	7,384.36	7,396.98	24.48	11.39	-127.644	-54.48	-562.09	202.22	172.92	29.30	6.902	
7,500.00	7,445.16	7,438.27	7,450.87	24.63	11.47	-127.800	-53.24	-563.03	201.27	171.76	29.51	6.819	
7,541.00	7,486.15	7,479.16	7,491.74	24.74	11.54	-127.780	-52.32	-563.73	200.57	170.89	29.68	6.758	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report

PERMIAN

RESOURCES

Company:	Permian Resources	Local Co-ordinate Reference:	Well Batman Fed Com 201H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3641.38usft (H&P 296)
Reference Site:	Batman	MD Reference:	RKB @ 3641.38usft (H&P 296)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ST01 / 71612	Database:	USA Compass
Reference Design:	Plan 3 03-03-23	Offset TVD Reference:	Reference Datum

Offset Design: Batman Offsets (NAD27 - Grid) - Hamon A Federal Com 11H - OH - Survys													Offset Site Error: 0.00 usft
Survey Program: 193-MWD													Offset Well Error: 1.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance		Rule Assigned:		Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
7,600.00	7,545.14	7,537.81	7,550.37	24.90	11.63	-125.103	-51.06	-564.74	199.62	169.70	29.91	6.673	
7,636.00	7,581.13	7,573.64	7,586.18	25.00	11.68	-123.486	-50.35	-565.34	199.06	169.00	30.06	6.622	
7,700.00	7,645.13	7,637.49	7,650.01	25.17	11.78	-120.465	-49.14	-566.45	198.05	167.76	30.30	6.537	
7,731.00	7,676.12	7,668.37	7,680.88	25.25	11.83	-118.753	-48.58	-566.99	197.54	167.13	30.42	6.495	
7,800.00	7,745.11	7,736.90	7,749.39	25.42	11.93	-116.392	-47.43	-568.15	196.46	165.80	30.66	6.408	
7,826.00	7,771.11	7,762.89	7,775.38	25.49	11.97	-115.422	-47.02	-568.57	196.06	165.31	30.75	6.376	
7,900.00	7,845.10	7,837.56	7,850.02	25.67	12.10	-114.800	-45.70	-569.78	194.77	163.75	31.03	6.278	
7,921.00	7,866.10	7,858.57	7,871.03	25.73	12.13	-114.613	-45.28	-570.13	194.36	163.26	31.11	6.249	
8,000.00	7,945.09	7,937.20	7,949.63	25.92	12.26	-111.423	-43.76	-571.35	192.85	161.46	31.39	6.144	
8,016.00	7,961.09	7,953.22	7,965.65	25.96	12.29	-110.763	-43.46	-571.58	192.55	161.10	31.45	6.122	
8,100.00	8,045.08	8,037.38	8,049.79	26.17	12.45	-112.381	-41.78	-572.74	190.99	159.21	31.78	6.009	
8,112.00	8,057.08	8,049.40	8,061.80	26.20	12.47	-112.581	-41.53	-572.90	190.77	158.94	31.83	5.993	
8,200.00	8,145.07	8,137.42	8,149.79	26.42	12.63	-102.954	-39.66	-574.06	189.03	156.83	32.20	5.871	
8,207.00	8,152.07	8,144.37	8,156.74	26.43	12.65	-102.193	-39.51	-574.15	188.88	156.66	32.22	5.861	
8,300.00	8,245.06	8,236.85	8,249.19	26.64	12.82	-98.278	-37.72	-575.34	186.98	154.41	32.57	5.741	
8,303.00	8,248.05	8,239.85	8,252.19	26.65	12.83	-98.106	-37.67	-575.38	186.92	154.34	32.58	5.737	
8,398.00	8,343.05	8,334.77	8,347.09	26.87	13.01	-102.883	-35.90	-576.50	185.07	152.14	32.94	5.619	
8,400.00	8,345.04	8,336.76	8,349.08	26.87	13.01	-102.893	-35.86	-576.53	185.03	152.09	32.94	5.617	
8,493.00	8,438.03	8,429.24	8,441.54	27.09	13.19	-100.755	-34.33	-577.72	183.38	150.09	33.29	5.509	
8,500.00	8,445.03	8,436.14	8,448.44	27.10	13.20	-99.968	-34.23	-577.81	183.27	149.96	33.31	5.502	
8,589.00	8,534.03	8,524.29	8,536.58	27.29	13.36	-87.775	-33.18	-578.68	181.99	148.40	33.59	5.418	
8,600.00	8,545.03	8,535.40	8,547.69	27.31	13.38	-89.303	-33.05	-578.78	181.83	148.20	33.63	5.407	
8,684.00	8,629.02	8,620.22	8,632.50	27.48	13.54	-98.333	-31.85	-579.57	180.49	146.55	33.94	5.318	
8,700.00	8,645.01	8,636.36	8,648.63	27.51	13.57	-95.081	-31.58	-579.74	180.20	146.21	33.99	5.301	
8,780.00	8,725.01	8,716.87	8,729.12	27.64	13.72	-61.144	-30.11	-580.72	178.34	144.11	34.24	5.209	
8,800.00	8,745.01	8,736.73	8,748.98	27.65	13.76	-54.053	-29.74	-580.98	177.79	143.53	34.26	5.189	
8,875.00	8,820.00	8,842.12	8,853.75	27.69	14.06	-39.352	-21.07	-583.58	171.84	136.83	35.01	4.909	
8,900.00	8,845.00	8,879.40	8,889.69	27.69	14.20	-36.553	-11.28	-584.84	165.65	130.14	35.51	4.664	
8,970.00	8,914.99	8,958.15	8,963.12	27.68	14.49	-30.280	16.93	-587.70	143.36	106.49	36.87	3.889	
9,000.00	8,944.99	8,989.43	8,991.39	27.66	14.60	-36.078	30.28	-588.86	132.71	95.16	37.55	3.534	
9,066.00	9,010.98	9,050.40	9,045.55	27.64	14.81	-50.516	58.11	-591.79	109.57	70.53	39.04	2.806	
9,100.00	9,044.98	9,080.46	9,072.19	27.64	14.92	-60.692	71.95	-593.30	99.28	59.55	39.72	2.499	
9,161.00	9,105.97	9,133.42	9,117.94	27.64	15.11	-82.089	98.55	-595.25	85.67	45.41	40.26	2.128	
9,197.59	9,142.55	9,163.02	9,142.71	27.65	15.22	-96.606	114.73	-595.85	82.96	43.33	39.63	2.093 CC, ES, SF	
9,200.00	9,144.97	9,164.92	9,144.28	27.65	15.23	-97.581	115.80	-595.88	82.97	43.41	39.56	2.097	
9,256.00	9,200.96	9,206.61	9,178.29	27.67	15.39	-119.065	139.90	-595.73	90.66	53.27	37.39	2.425	
9,300.00	9,244.95	9,238.02	9,203.44	27.70	15.51	-137.326	158.69	-594.63	105.43	69.76	35.66	2.956	
9,351.00	9,295.95	9,271.82	9,229.70	27.75	15.64	-156.321	179.87	-592.78	129.28	95.05	34.23	3.776	
9,400.00	9,344.94	9,300.36	9,250.73	27.83	15.75	-179.546	199.09	-591.07	157.25	123.76	33.48	4.696	
9,446.00	9,390.93	9,327.00	9,269.25	27.91	15.85	161.227	218.18	-589.66	186.79	153.66	33.13	5.638	
9,500.00	9,444.93	9,352.14	9,285.79	28.03	15.94	156.269	237.08	-588.60	224.40	191.34	33.07	6.786	
9,541.00	9,485.92	9,370.25	9,297.15	28.12	16.00	153.101	251.17	-587.94	254.63	221.49	33.14	7.684	
9,600.00	9,544.91	9,390.00	9,308.99	28.16	16.07	-14.036	266.96	-587.21	299.78	266.41	33.36	8.985	
9,636.00	9,580.91	9,406.25	9,318.26	28.19	16.12	-22.642	280.29	-586.56	327.89	294.40	33.50	9.789	
9,700.00	9,644.89	9,422.00	9,326.83	28.09	16.17	-20.332	293.49	-585.85	379.44	345.59	33.84	11.212	
9,731.00	9,675.89	9,436.82	9,334.52	28.04	16.22	-19.658	306.13	-585.11	404.97	371.01	33.97	11.923	
9,800.00	9,744.87	9,453.00	9,342.55	28.01	16.26	-13.319	320.15	-584.20	463.20	428.82	34.38	13.475	
9,900.00	9,844.85	9,485.00	9,356.96	27.97	16.36	-3.340	348.65	-582.29	550.27	515.36	34.91	15.763	
9,921.00	9,865.84	9,485.00	9,356.96	27.96	16.36	-0.698	348.65	-582.29	568.78	533.74	35.04	16.233	
10,000.00	9,944.84	9,497.95	9,362.22	27.97	16.39	19.293	360.46	-581.52	639.69	604.24	35.45	18.046	
10,017.00	9,961.83	9,501.29	9,363.54	27.97	16.40	29.113	363.52	-581.33	655.13	619.60	35.53	18.439	
10,100.00	10,044.83	9,517.00	9,369.50	28.06	16.44	43.901	378.02	-580.42	731.10	695.17	35.92	20.351	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report

PERMIAN

RESOURCES

Company:	Permian Resources	Local Co-ordinate Reference:	Well Batman Fed Com 201H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3641.38usft (H&P 296)
Reference Site:	Batman	MD Reference:	RKB @ 3641.38usft (H&P 296)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ST01 / 71612	Database:	USA Compass
Reference Design:	Plan 3 03-03-23	Offset TVD Reference:	Reference Datum

Offset Design: Batman Offsets (NAD27 - Grid) - Hamon A Federal Com 11H - OH - Survys													Offset Site Error: 0.00 usft	
Survey Program: 193-MWD		Offset		Semi Major Axis		Offset Wellbore Centre			Rule Assigned:				Offset Well Error: 1.00 usft	
Reference									Distance				Warning	
Measured Vertical	Measured Vertical	Measured Vertical	Measured Vertical	Reference	Offset	Highside			Between	Between	Minimum	Separation		
Depth	Depth	Depth	Depth			Toolface	+N/-S	+E/-W	Centres	Ellipses	Separation	Factor		
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)			
10,112.00	10,056.83	9,517.00	9,369.50	28.07	16.44	45.208	378.02	-580.42	742.15	706.17	35.98	20.625		
10,200.00	10,144.81	9,533.03	9,375.20	28.22	16.48	49.510	392.97	-579.50	823.60	787.21	36.38	22.638		
10,207.00	10,151.81	9,534.11	9,375.57	28.23	16.48	49.697	393.99	-579.44	830.10	793.69	36.41	22.798		
10,300.00	10,244.79	9,549.00	9,380.49	28.30	16.52	3.394	408.02	-578.59	916.93	880.11	36.82	24.904		
10,302.00	10,246.79	9,549.00	9,380.49	28.31	16.52	2.299	408.02	-578.59	918.80	881.98	36.83	24.949		



Anticollision Report

PERMIAN

RESOURCES

Company:	Permian Resources	Local Co-ordinate Reference:	Well Batman Fed Com 201H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3641.38usft (H&P 296)
Reference Site:	Batman	MD Reference:	RKB @ 3641.38usft (H&P 296)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ST01 / 71612	Database:	USA Compass
Reference Design:	Plan 3 03-03-23	Offset TVD Reference:	Reference Datum

Offset Design: Batman Offsets (NAD27 - Grid) - Hamon A Federal Com 9H - OH - Surveys												Offset Site Error:	0.00 usft
Survey Program: 98-SPT_C100Gd_GTD_WLine, 10207-MWD												Offset Well Error:	1.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Semi Major Axis Offset	Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
				(usft)	(usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.00	0.00	0.00	13.38	1.00	1.00	-98.513	-97.20	-649.35	656.72				
100.00	100.00	81.71	95.09	1.27	1.00	-1.673	-97.13	-649.67	656.79	654.52	2.27	289.031	
178.00	178.00	159.27	172.65	1.89	1.02	-1.649	-96.94	-650.36	657.18	654.27	2.92	225.360	
200.00	200.00	181.47	194.84	1.96	1.03	2.468	-96.88	-650.55	657.26	654.27	2.99	219.686	
261.00	261.00	242.57	255.94	2.14	1.07	12.348	-96.76	-651.05	657.44	654.23	3.22	204.460	
300.00	300.00	281.54	294.91	2.25	1.11	3.294	-96.86	-651.34	657.53	654.17	3.36	195.721	
345.00	345.00	329.21	342.58	2.38	1.15	-4.103	-97.12	-651.61	657.53	653.99	3.54	185.942	
400.00	400.00	389.38	402.75	2.54	1.22	-6.860	-97.45	-651.54	657.12	653.36	3.76	174.977	
429.00	428.99	418.04	431.41	2.62	1.25	-8.313	-97.59	-651.39	656.78	652.91	3.87	169.643	
500.00	499.99	485.40	498.77	2.81	1.34	15.374	-97.68	-651.31	656.27	652.12	4.15	158.086	
514.00	513.99	498.72	512.08	2.84	1.36	21.206	-97.65	-651.35	656.23	652.02	4.21	155.954	
598.00	597.99	581.86	595.23	3.06	1.49	38.858	-97.59	-651.66	656.08	651.54	4.54	144.440	
600.00	599.99	583.84	597.21	3.06	1.49	38.859	-97.59	-651.66	656.08	651.53	4.55	144.164	
660.84	660.83	644.41	657.78	3.23	1.59	26.462	-97.70	-651.92	656.05	651.23	4.82	136.158	
695.00	694.99	678.48	691.85	3.33	1.64	15.329	-97.80	-652.07	656.06	651.09	4.97	131.979	
700.00	699.99	683.47	696.84	3.34	1.65	17.982	-97.82	-652.09	656.06	651.07	4.99	131.432	
790.00	789.99	774.09	787.46	3.57	1.81	63.896	-98.16	-652.45	656.18	650.80	5.37	122.176	
800.00	799.99	784.18	797.55	3.60	1.83	61.102	-98.20	-652.48	656.19	650.78	5.41	121.253	
885.00	884.99	868.04	881.41	3.81	1.98	41.612	-98.45	-652.82	656.25	650.49	5.76	113.927	
900.00	899.99	882.78	896.14	3.84	2.00	45.246	-98.47	-652.90	656.27	650.45	5.82	112.750	
980.00	979.99	963.12	976.49	4.04	2.15	66.881	-98.64	-653.35	656.48	650.33	6.15	106.780	
1,000.00	999.99	983.32	996.68	4.08	2.19	58.278	-98.74	-653.44	656.53	650.30	6.23	105.381	
1,075.00	1,074.98	1,056.79	1,070.15	4.26	2.33	20.154	-99.25	-653.80	656.68	650.14	6.54	100.479	
1,100.00	1,099.98	1,081.10	1,094.45	4.32	2.38	29.256	-99.45	-653.96	656.75	650.11	6.64	98.920	
1,170.00	1,169.98	1,149.21	1,162.56	4.49	2.51	46.834	-100.04	-654.55	657.09	650.15	6.93	94.799	
1,200.00	1,199.98	1,178.41	1,191.76	4.57	2.56	38.425	-100.27	-654.87	657.27	650.22	7.06	93.143	
1,265.00	1,264.98	1,241.11	1,254.45	4.73	2.69	20.377	-100.71	-655.70	657.76	650.43	7.33	89.757	
1,300.00	1,299.98	1,274.74	1,288.08	4.81	2.75	18.989	-100.91	-656.25	658.10	650.62	7.48	88.008	
1,360.00	1,359.98	1,332.66	1,345.99	4.96	2.87	16.709	-101.29	-657.35	658.82	651.08	7.74	85.170	
1,400.00	1,399.98	1,371.40	1,384.71	5.06	2.95	17.910	-101.66	-658.16	659.44	651.53	7.91	83.390	
1,462.00	1,461.98	1,432.20	1,445.50	5.21	3.07	24.697	-102.40	-659.55	660.71	652.53	8.18	80.793	
1,500.00	1,499.98	1,469.85	1,483.13	5.29	3.14	-6.515	-102.85	-660.44	661.56	653.23	8.33	79.429	
1,549.00	1,548.97	1,519.17	1,532.43	5.38	3.24	-21.803	-103.41	-661.63	662.60	654.07	8.53	77.716	
1,600.00	1,599.97	1,571.62	1,584.87	5.44	3.35	-88.150	-104.04	-662.80	663.67	654.97	8.70	76.262	
1,644.00	1,643.97	1,618.01	1,631.25	5.49	3.44	-127.688	-104.64	-663.71	664.71	655.85	8.86	75.044	
1,700.00	1,699.97	1,679.10	1,692.32	5.50	3.57	-152.212	-105.62	-664.51	665.92	656.92	9.00	73.956	
1,740.00	1,739.97	1,721.24	1,734.45	5.51	3.65	-163.028	-106.42	-664.78	666.68	657.57	9.11	73.213	
1,800.00	1,799.96	1,782.74	1,795.94	5.52	3.78	-158.899	-107.63	-665.04	667.81	658.56	9.24	72.235	
1,835.00	1,834.96	1,818.33	1,831.53	5.52	3.85	-157.079	-108.31	-665.13	668.46	659.14	9.33	71.680	
1,900.00	1,899.96	1,884.06	1,897.24	5.54	3.98	-165.227	-109.34	-665.27	669.61	660.13	9.48	70.638	
1,930.00	1,929.95	1,914.15	1,927.33	5.55	4.05	-169.759	-109.71	-665.33	670.10	660.55	9.55	70.166	
2,000.00	1,999.95	1,983.85	1,997.03	5.57	4.19	-171.133	-110.53	-665.49	671.30	661.58	9.72	69.069	
2,025.00	2,024.94	2,009.01	2,022.18	5.58	4.24	-171.537	-110.81	-665.55	671.77	661.99	9.78	68.686	
2,100.00	2,099.94	2,085.51	2,098.69	5.61	4.40	-169.257	-111.57	-665.66	673.06	663.09	9.97	67.493	
2,120.00	2,119.93	2,105.90	2,119.07	5.62	4.44	-168.582	-111.73	-665.66	673.36	663.34	10.02	67.178	
2,200.00	2,199.93	2,187.33	2,200.50	5.70	4.60	-78.173	-112.15	-665.61	673.88	663.60	10.27	65.603	
2,216.00	2,215.93	2,203.33	2,216.50	5.71	4.64	-53.946	-112.18	-665.59	673.82	663.50	10.32	65.284	
2,300.00	2,299.92	2,284.48	2,297.65	5.85	4.80	-31.137	-112.35	-665.66	672.76	662.12	10.64	63.211	
2,311.00	2,310.91	2,295.11	2,308.28	5.87	4.83	-30.523	-112.38	-665.70	672.52	661.84	10.69	62.940	
2,400.00	2,399.83	2,389.39	2,402.56	6.07	5.02	-30.354	-112.55	-665.68	669.22	658.14	11.07	60.429	
2,406.00	2,405.82	2,395.76	2,408.93	6.08	5.03	-30.360	-112.55	-665.65	668.90	657.80	11.10	60.257	
2,500.00	2,499.59	2,486.28	2,499.45	6.30	5.22	-28.147	-112.76	-665.40	663.01	651.51	11.50	57.656	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report

PERMIAN

RESOURCES

Company:	Permian Resources	Local Co-ordinate Reference:	Well Batman Fed Com 201H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3641.38usft (H&P 296)
Reference Site:	Batman	MD Reference:	RKB @ 3641.38usft (H&P 296)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ST01 / 71612	Database:	USA Compass
Reference Design:	Plan 3 03-03-23	Offset TVD Reference:	Reference Datum

Offset Design: Batman Offsets (NAD27 - Grid) - Hamon A Federal Com 9H - OH - Surveys													Offset Site Error: 0.00 usft
Survey Program: 98-SPT_C100Gd_GTD_WLine, 10207-MWD													Offset Well Error: 1.00 usft
Reference	Offset	Semi Major Axis	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
				(usft)	(usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
2,501.00	2,500.59	2,487.24	2,500.41	6.30	5.22	-28.132	-112.76	-665.40	662.94	651.44	11.50	57.629	
2,597.00	2,596.19	2,585.71	2,598.88	6.54	5.42	-28.541	-112.90	-665.23	655.15	643.22	11.93	54.910	
2,600.00	2,599.18	2,588.81	2,601.98	6.55	5.43	-28.558	-112.90	-665.22	654.87	642.93	11.94	54.825	
2,692.00	2,690.69	2,685.49	2,698.66	6.78	5.62	-29.082	-112.49	-664.49	645.86	633.50	12.36	52.253	
2,700.00	2,698.65	2,693.91	2,707.07	6.80	5.64	-29.443	-112.44	-664.39	645.04	632.64	12.40	52.032	
2,787.00	2,785.19	2,782.85	2,796.00	7.03	5.82	-33.432	-111.89	-663.13	636.06	623.27	12.79	49.739	
2,800.00	2,798.12	2,796.11	2,809.26	7.06	5.84	-33.098	-111.80	-662.92	634.71	621.86	12.85	49.401	
2,882.00	2,879.59	2,878.27	2,891.41	7.29	6.01	-31.396	-111.25	-661.50	625.37	612.15	13.22	47.298	
2,900.00	2,897.46	2,896.27	2,909.41	7.35	6.05	-30.454	-111.13	-661.17	623.13	609.82	13.31	46.823	
2,978.00	2,974.77	2,972.72	2,985.84	7.59	6.20	-26.990	-110.66	-659.82	612.64	598.96	13.68	44.789	
3,000.00	2,996.56	2,994.26	3,007.37	7.65	6.25	-26.746	-110.53	-659.45	609.50	595.71	13.79	44.214	
3,073.00	3,068.84	3,063.98	3,077.09	7.89	6.39	-25.940	-110.16	-658.40	599.15	585.01	14.14	42.386	
3,100.00	3,095.57	3,089.76	3,102.86	7.97	6.44	-26.833	-110.04	-658.09	595.42	581.15	14.27	41.737	
3,168.00	3,162.96	3,159.56	3,172.65	8.19	6.59	-29.285	-109.76	-657.16	586.42	571.82	14.60	40.165	
3,200.00	3,194.68	3,192.71	3,205.80	8.30	6.65	-26.977	-109.64	-656.58	582.14	567.38	14.76	39.437	
3,263.00	3,257.10	3,252.31	3,265.39	8.51	6.78	-22.854	-109.54	-655.55	573.33	558.26	15.07	38.045	
3,300.00	3,293.74	3,287.03	3,300.11	8.63	6.85	-20.321	-109.60	-655.07	568.02	552.77	15.26	37.227	
3,358.00	3,351.12	3,344.48	3,357.56	8.83	6.97	-16.969	-109.80	-654.38	559.38	543.82	15.56	35.954	
3,400.00	3,392.66	3,386.61	3,399.69	8.98	7.05	-15.736	-109.94	-653.81	552.94	537.16	15.78	35.038	
3,453.00	3,445.12	3,437.34	3,450.41	9.17	7.16	-14.018	-110.19	-653.13	545.05	528.99	16.06	33.940	
3,500.00	3,491.65	3,481.76	3,494.82	9.34	7.25	-14.508	-110.65	-652.65	538.21	521.90	16.31	33.001	
3,548.00	3,539.12	3,528.64	3,541.69	9.51	7.35	-15.030	-111.31	-652.24	531.09	514.53	16.56	32.062	
3,600.00	3,590.47	3,580.27	3,593.32	9.71	7.46	-15.554	-112.04	-651.76	522.94	506.08	16.85	31.029	
3,644.00	3,633.84	3,625.57	3,638.61	9.88	7.55	-16.016	-112.64	-651.27	515.53	498.43	17.10	30.153	
3,700.00	3,689.00	3,684.53	3,697.56	10.09	7.67	-15.364	-113.20	-650.30	505.49	488.08	17.41	29.039	
3,739.00	3,727.42	3,720.92	3,733.95	10.24	7.75	-14.870	-113.49	-649.59	498.35	480.73	17.62	28.284	
3,800.00	3,787.47	3,774.44	3,787.46	10.48	7.86	-16.544	-114.26	-648.99	487.64	469.69	17.95	27.165	
3,834.00	3,820.91	3,805.20	3,818.21	10.61	7.93	-17.485	-114.91	-648.90	481.89	463.75	18.13	26.572	
3,900.00	3,885.76	3,871.15	3,884.14	10.87	8.06	-20.618	-116.33	-648.76	470.57	452.08	18.49	25.443	
3,929.00	3,914.23	3,900.07	3,913.05	10.99	8.12	-21.968	-116.91	-648.66	465.48	446.82	18.65	24.957	
4,000.00	3,983.87	3,970.55	3,983.53	11.27	8.27	-27.512	-118.21	-648.34	453.02	433.99	19.02	23.812	
4,024.00	4,007.40	3,994.36	4,007.33	11.37	8.32	-29.389	-118.62	-648.21	448.86	429.71	19.15	23.442	
4,100.00	4,081.87	4,068.50	4,081.46	11.68	8.48	-33.604	-119.94	-647.76	435.89	416.37	19.52	22.329	
4,119.00	4,100.48	4,087.00	4,099.95	11.76	8.52	-34.668	-120.31	-647.64	432.70	413.09	19.61	22.064	
4,200.00	4,179.76	4,165.68	4,178.61	12.10	8.68	-36.188	-121.76	-647.23	419.23	399.25	19.99	20.976	
4,214.00	4,193.46	4,179.28	4,192.22	12.15	8.71	-36.455	-121.96	-647.19	416.93	396.88	20.05	20.795	
4,300.00	4,277.54	4,260.60	4,273.53	12.52	8.88	-39.492	-123.27	-647.13	403.08	382.66	20.43	19.733	
4,310.00	4,287.31	4,269.98	4,282.90	12.56	8.90	-39.855	-123.47	-647.15	401.53	381.06	20.47	19.617	
4,400.00	4,375.41	4,359.50	4,372.40	12.94	9.09	-42.587	-125.27	-647.42	388.57	367.74	20.83	18.655	
4,405.00	4,380.31	4,364.63	4,377.53	12.96	9.10	-42.741	-125.33	-647.43	387.88	367.03	20.85	18.604	
4,500.00	4,473.56	4,459.65	4,472.55	13.35	9.30	-43.891	-125.75	-647.63	374.95	353.73	21.21	17.674	
4,595.00	4,566.84	4,552.86	4,565.76	13.75	9.49	-46.236	-125.46	-648.06	362.34	340.78	21.56	16.804	
4,600.00	4,571.75	4,557.74	4,570.64	13.77	9.50	-46.365	-125.44	-648.10	361.69	340.11	21.58	16.759	
4,690.00	4,660.33	4,646.79	4,659.68	14.17	9.68	-48.729	-124.90	-648.74	351.13	329.23	21.90	16.032	
4,700.00	4,670.20	4,656.78	4,669.68	14.21	9.70	-49.041	-124.85	-648.79	350.07	328.14	21.94	15.959	
4,785.00	4,754.02	4,741.34	4,754.23	14.56	9.88	-51.778	-124.53	-649.02	341.06	318.86	22.19	15.367	
4,800.00	4,768.81	4,756.20	4,769.09	14.63	9.91	-52.277	-124.47	-649.05	339.48	317.24	22.24	15.266	
4,881.00	4,848.65	4,836.39	4,849.28	14.96	10.08	-55.034	-124.12	-649.17	331.18	308.74	22.45	14.754	
4,900.00	4,867.37	4,855.18	4,868.07	15.04	10.11	-55.633	-124.03	-649.18	329.29	306.80	22.49	14.641	
4,976.00	4,942.25	4,929.99	4,942.88	15.36	10.27	-58.089	-123.69	-649.22	321.92	299.27	22.65	14.213	
5,000.00	4,965.88	4,953.47	4,966.36	15.46	10.32	-58.909	-123.63	-649.23	319.68	296.98	22.69	14.087	
5,071.00	5,035.78	5,022.93	5,035.82	15.76	10.46	-61.420	-123.56	-649.21	313.35	290.55	22.80	13.744	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report

PERMIAN

RESOURCES

Company:	Permian Resources	Local Co-ordinate Reference:	Well Batman Fed Com 201H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3641.38usft (H&P 296)
Reference Site:	Batman	MD Reference:	RKB @ 3641.38usft (H&P 296)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ST01 / 71612	Database:	USA Compass
Reference Design:	Plan 3 03-03-23	Offset TVD Reference:	Reference Datum

Offset Design: Batman Offsets (NAD27 - Grid) - Hamon A Federal Com 9H - OH - Surveys													Offset Site Error:	0.00 usft	
Survey Program:		98-SPT_C100Gd_GTD_WLine, 10207-MWD						Rule Assigned:						Offset Well Error:	1.00 usft
Reference	Offset	Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance				Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)		Separation Factor		
5,100.00	5,064.32	5,051.33	5,064.22	15.88	10.52	-62.603	-123.58	-649.20	310.89	288.06	22.83	13.616			
5,166.00	5,129.22	5,116.12	5,129.01	16.16	10.66	-65.370	-123.67	-649.18	305.62	282.73	22.89	13.354			
5,200.00	5,162.65	5,149.76	5,162.65	16.31	10.73	-65.750	-123.71	-649.15	303.02	280.11	22.91	13.229			
5,261.00	5,222.64	5,209.93	5,222.82	16.57	10.85	-66.405	-123.73	-649.08	298.45	275.52	22.93	13.015			
5,300.00	5,261.01	5,247.91	5,260.80	16.73	10.93	-66.842	-123.76	-649.05	295.64	272.70	22.94	12.886			
5,347.00	5,307.27	5,293.70	5,306.59	16.93	11.03	-67.363	-123.86	-649.05	292.42	269.47	22.95	12.741			
5,400.00	5,359.42	5,346.63	5,359.53	17.16	11.14	-70.069	-123.96	-649.01	289.02	266.07	22.96	12.591			
5,448.00	5,406.65	5,394.65	5,407.54	17.37	11.24	-72.567	-123.96	-648.89	286.14	263.20	22.95	12.469			
5,500.00	5,457.79	5,445.95	5,458.84	17.59	11.34	-69.564	-123.88	-648.68	282.87	259.92	22.95	12.326			
5,543.00	5,500.07	5,488.31	5,501.20	17.78	11.43	-67.142	-123.81	-648.49	279.77	256.82	22.95	12.190			
5,600.00	5,556.08	5,547.18	5,560.06	18.03	11.55	-62.230	-123.61	-647.88	274.69	251.72	22.97	11.957			
5,638.00	5,593.38	5,586.55	5,599.42	18.20	11.64	-59.353	-123.33	-646.93	270.38	247.40	22.98	11.767			
5,700.00	5,654.21	5,649.55	5,662.37	18.47	11.77	-61.904	-122.68	-644.54	262.71	239.74	22.96	11.442			
5,734.00	5,687.57	5,683.80	5,696.58	18.62	11.84	-63.427	-122.28	-642.81	258.52	235.57	22.94	11.267			
5,800.00	5,752.35	5,749.34	5,761.99	18.91	11.97	-66.551	-121.41	-638.79	250.62	227.71	22.91	10.938			
5,829.00	5,780.82	5,777.97	5,790.54	19.04	12.03	-68.009	-121.00	-636.81	247.32	224.42	22.90	10.798			
5,900.00	5,850.56	5,848.42	5,860.76	19.34	12.18	-70.456	-119.89	-631.14	239.57	216.66	22.92	10.454			
5,924.00	5,874.14	5,872.14	5,884.36	19.45	12.23	-71.393	-119.48	-628.87	237.05	214.11	22.94	10.334			
6,000.00	5,948.95	5,946.11	5,957.88	19.78	12.39	-79.756	-118.14	-620.76	230.42	207.32	23.09	9.977			
6,019.00	5,967.70	5,964.48	5,976.12	19.87	12.42	-82.010	-117.81	-618.59	229.19	206.03	23.16	9.896			
6,100.00	6,047.80	6,042.32	6,053.32	20.22	12.59	-90.352	-116.42	-608.73	225.78	202.21	23.57	9.579			
6,114.00	6,061.67	6,055.71	6,066.57	20.28	12.62	-91.905	-116.21	-606.91	225.49	201.83	23.66	9.529			
6,156.76	6,104.08	6,096.52	6,106.97	20.45	12.70	-95.998	-115.61	-601.12	225.12	201.13	23.99	9.385 CC, ES			
6,200.00	6,147.01	6,137.11	6,147.12	20.63	12.79	-100.281	-115.15	-595.16	225.55	201.19	24.36	9.259			
6,209.00	6,155.95	6,145.57	6,155.48	20.67	12.81	-101.195	-115.08	-593.90	225.75	201.31	24.44	9.235			
6,300.00	6,246.38	6,231.73	6,240.64	21.03	12.99	-105.793	-114.79	-580.82	229.46	204.06	25.40	9.033			
6,304.00	6,250.36	6,235.56	6,244.42	21.05	13.00	-106.002	-114.78	-580.20	229.69	204.24	25.45	9.024			
6,400.00	6,345.85	6,327.17	6,334.58	21.43	13.19	-114.135	-114.43	-563.97	236.60	209.91	26.69	8.865			
6,495.00	6,440.54	6,416.97	6,422.37	21.79	13.39	-129.316	-113.44	-545.09	246.16	218.15	28.01	8.788			
6,500.00	6,445.53	6,421.58	6,426.84	21.81	13.40	-129.618	-113.38	-544.03	246.74	218.66	28.08	8.787 SF			
6,590.00	6,535.39	6,503.57	6,506.09	22.11	13.58	-135.119	-111.90	-523.06	258.57	229.27	29.30	8.826			
6,600.00	6,545.38	6,512.86	6,515.01	22.15	13.60	-136.047	-111.71	-520.48	260.04	230.60	29.43	8.835			
6,685.00	6,630.33	6,591.83	6,590.75	22.40	13.78	-146.864	-110.19	-498.19	273.25	242.70	30.55	8.945			
6,700.00	6,645.33	6,606.14	6,604.46	22.45	13.81	-148.962	-109.93	-494.07	275.71	244.97	30.74	8.969			
6,780.00	6,725.31	6,684.49	6,679.66	22.66	13.99	-159.250	-108.57	-472.13	289.56	257.79	31.77	9.113			
6,800.00	6,745.31	6,704.10	6,698.52	22.71	14.04	-158.748	-108.24	-466.79	293.16	261.14	32.02	9.156			
6,875.00	6,820.29	6,776.95	6,768.63	22.92	14.21	-156.714	-106.83	-447.03	307.05	274.17	32.88	9.338			
6,900.00	6,845.28	6,801.21	6,791.98	22.99	14.26	-156.282	-106.28	-440.45	311.81	278.66	33.15	9.405			
6,970.00	6,915.26	6,868.97	6,857.20	23.18	14.43	-154.505	-104.68	-422.17	325.43	291.54	33.89	9.604			
7,000.00	6,945.26	6,898.05	6,885.21	23.26	14.50	-155.319	-103.98	-414.38	331.38	297.20	34.18	9.694			
7,065.00	7,010.24	6,961.35	6,946.23	23.44	14.65	-156.874	-102.49	-397.60	344.49	309.68	34.81	9.897			
7,100.00	7,045.24	6,995.51	6,979.20	23.53	14.73	-158.057	-101.72	-388.68	351.65	316.52	35.13	10.011			
7,160.00	7,105.22	7,048.85	7,030.62	23.70	14.86	-159.816	-100.69	-374.57	364.51	328.98	35.53	10.259			
7,200.00	7,145.22	7,084.07	7,064.50	23.81	14.95	-160.037	-100.22	-364.96	373.67	337.89	35.78	10.443			
7,255.00	7,200.20	7,134.35	7,112.76	23.96	15.08	-160.323	-99.65	-350.85	386.88	350.72	36.16	10.699			
7,300.00	7,245.20	7,175.97	7,152.61	24.08	15.18	-160.771	-98.96	-338.85	398.03	361.55	36.48	10.911			
7,351.00	7,296.18	7,225.26	7,199.71	24.22	15.31	-161.340	-97.91	-324.38	410.98	374.09	36.89	11.141			
7,400.00	7,345.17	7,274.76	7,247.10	24.36	15.43	-159.681	-96.77	-310.13	423.31	385.99	37.31	11.345			
7,446.00	7,391.17	7,320.33	7,290.81	24.48	15.55	-157.624	-95.68	-297.29	434.70	397.02	37.68	11.537			
7,500.00	7,445.16	7,372.65	7,341.04	24.63	15.69	-158.805	-94.47	-282.69	448.09	410.03	38.07	11.771			
7,541.00	7,486.15	7,411.52	7,378.38	24.74	15.79	-159.489	-93.60	-271.92	458.33	419.99	38.33	11.956			
7,600.00	7,545.14	7,465.06	7,429.75	24.90	15.93	-157.708	-92.50	-256.90	473.43	434.76	38.66	12.245			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report

PERMIAN

RESOURCES

Company:	Permian Resources	Local Co-ordinate Reference:	Well Batman Fed Com 201H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3641.38usft (H&P 296)
Reference Site:	Batman	MD Reference:	RKB @ 3641.38usft (H&P 296)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ST01 / 71612	Database:	USA Compass
Reference Design:	Plan 3 03-03-23	Offset TVD Reference:	Reference Datum

Offset Design: Batman Offsets (NAD27 - Grid) - Hamon A Federal Com 9H - OH - Surveys													Offset Site Error: 0.00 usft
Survey Program: 98-SPT_C100Gd_GTD_WLine, 10207-MWD													Offset Well Error: 1.00 usft
Reference	Offset	Semi Major Axis	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	Offset Wellbore Centre	Distance	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)					
7,636.00	7,581.13	7,498.00	7,461.33	25.00	16.02	-156.616	-91.89	-247.52	482.88	444.01	38.86	12.425	
7,700.00	7,645.13	7,562.28	7,522.99	25.17	16.19	-154.589	-90.79	-229.38	499.66	460.32	39.33	12.704	
7,731.00	7,676.12	7,593.76	7,553.23	25.25	16.27	-153.336	-90.27	-220.69	507.64	468.08	39.56	12.832	
7,800.00	7,745.11	7,660.06	7,617.00	25.42	16.45	-151.880	-89.17	-202.55	525.30	485.33	39.98	13.140	
7,826.00	7,771.11	7,684.96	7,640.94	25.49	16.52	-151.235	-88.75	-195.73	531.98	491.85	40.13	13.256	
7,900.00	7,845.10	7,754.05	7,707.34	25.67	16.71	-151.464	-87.51	-176.70	551.17	510.64	40.53	13.600	
7,921.00	7,866.10	7,773.51	7,726.03	25.73	16.76	-151.505	-87.13	-171.27	556.68	516.04	40.64	13.699	
8,000.00	7,945.09	7,852.01	7,801.42	25.92	16.98	-149.181	-85.57	-149.42	577.47	536.34	41.14	14.037	
8,016.00	7,961.09	7,868.51	7,817.29	25.96	17.02	-148.687	-85.26	-144.92	581.62	540.37	41.25	14.100	
8,100.00	8,045.08	7,951.90	7,897.60	26.17	17.25	-150.992	-83.66	-122.55	603.26	561.49	41.77	14.441	
8,112.00	8,057.08	7,963.56	7,908.83	26.20	17.29	-151.274	-83.41	-119.43	606.37	564.52	41.84	14.492	
8,200.00	8,145.07	8,042.30	7,984.62	26.42	17.51	-142.123	-81.56	-98.15	629.38	587.14	42.24	14.901	
8,207.00	8,152.07	8,048.18	7,990.26	26.43	17.52	-141.395	-81.41	-96.52	631.26	589.00	42.26	14.936	
8,300.00	8,245.06	8,128.79	8,067.46	26.64	17.75	-138.064	-79.41	-73.40	656.93	614.31	42.62	15.413	
8,303.00	8,248.05	8,131.55	8,070.10	26.65	17.76	-137.913	-79.35	-72.60	657.77	615.13	42.64	15.428	
8,398.00	8,343.05	8,222.51	8,157.09	26.87	18.02	-143.227	-77.56	-46.05	684.72	641.58	43.15	15.869	
8,400.00	8,345.04	8,224.67	8,159.16	26.87	18.03	-143.248	-77.52	-45.43	685.29	642.13	43.16	15.877	
8,493.00	8,438.03	8,321.73	8,252.31	27.09	18.31	-141.642	-75.95	-18.23	710.94	667.15	43.79	16.236	
8,500.00	8,445.03	8,328.25	8,258.58	27.10	18.33	-140.887	-75.85	-16.42	712.85	669.03	43.82	16.267	
8,589.00	8,534.03	8,413.98	8,340.91	27.29	18.58	-129.106	-74.43	7.40	737.09	692.81	44.28	16.646	
8,600.00	8,545.03	8,426.43	8,352.89	27.31	18.61	-130.695	-74.22	10.82	740.04	695.68	44.36	16.681	
8,684.00	8,629.02	8,519.99	8,443.09	27.48	18.88	-140.061	-72.45	35.57	761.94	716.96	44.97	16.942	
8,700.00	8,645.01	8,536.70	8,459.24	27.51	18.93	-136.863	-72.11	39.85	766.01	720.94	45.06	16.998	
8,780.00	8,725.01	8,620.24	8,540.07	27.64	19.17	-103.285	-70.29	60.87	785.59	740.08	45.51	17.260	
8,800.00	8,745.01	8,640.98	8,560.16	27.65	19.23	-96.275	-69.81	66.00	790.31	744.71	45.60	17.331	
8,875.00	8,820.00	8,716.50	8,633.39	27.69	19.44	-80.850	-68.02	84.39	807.63	761.73	45.90	17.595	
8,900.00	8,845.00	8,739.50	8,655.69	27.69	19.51	-76.484	-67.49	89.99	813.36	767.40	45.95	17.699	
8,970.00	8,914.99	8,803.71	8,717.91	27.68	19.70	-64.306	-66.19	105.76	829.50	783.39	46.10	17.992	
9,000.00	8,944.99	8,830.56	8,743.93	27.66	19.77	-66.354	-65.81	112.42	836.50	790.34	46.15	18.124	
9,066.00	9,010.98	8,889.60	8,801.09	27.64	19.95	-70.663	-65.65	127.16	852.22	805.95	46.27	18.420	
9,100.00	9,044.98	8,920.08	8,830.59	27.64	20.03	-74.228	-65.91	134.84	860.49	814.16	46.33	18.572	
9,161.00	9,105.97	8,974.76	8,883.47	27.64	20.19	-79.563	-66.71	148.74	875.62	829.17	46.46	18.849	
9,200.00	9,144.97	9,008.21	8,915.79	27.65	20.29	-83.115	-67.41	157.34	885.51	838.98	46.53	19.031	
9,256.00	9,200.96	9,051.92	8,957.92	27.67	20.42	-88.405	-68.38	168.94	900.25	853.66	46.59	19.324	
9,300.00	9,244.95	9,086.05	8,990.71	27.70	20.53	-96.107	-69.13	178.34	912.35	865.69	46.65	19.556	
9,351.00	9,295.95	9,130.65	9,033.48	27.75	20.66	-105.857	-70.09	190.98	926.86	880.07	46.80	19.806	
9,400.00	9,344.94	9,175.58	9,076.52	27.83	20.80	-122.615	-70.94	203.83	941.09	894.09	47.00	20.021	
9,446.00	9,390.93	9,215.69	9,114.92	27.91	20.92	-136.712	-71.58	215.42	954.74	907.57	47.18	20.238	
9,500.00	9,444.93	9,259.96	9,157.21	28.03	21.06	-137.684	-72.16	228.51	971.22	923.85	47.38	20.500	
9,541.00	9,485.92	9,298.00	9,193.46	28.12	21.18	-138.377	-72.54	240.02	984.04	936.46	47.58	20.680	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report

PERMIAN

RESOURCES

Company:	Permian Resources	Local Co-ordinate Reference:	Well Batman Fed Com 201H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3641.38usft (H&P 296)
Reference Site:	Batman	MD Reference:	RKB @ 3641.38usft (H&P 296)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ST01 / 71612	Database:	USA Compass
Reference Design:	Plan 3 03-03-23	Offset TVD Reference:	Reference Datum

Offset Design: Batman Offsets (NAD27 - Grid) - Hamon Fed Com A 2H - OH - Surveys													Offset Site Error: 0.00 usft
Survey Program: 25-SPT_C100Gd_GTD_WLine, 10092-MWD													Offset Well Error: 1.00 usft
Reference	Offset	Semi Major Axis	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.00	0.00	0.00	6.38	1.00	1.00	-88.266	22.25	-735.31	735.67				
100.00	100.00	91.66	98.04	1.27	1.01	8.559	22.18	-735.40	735.61	733.33	2.28	322.690	
178.00	178.00	168.89	175.27	1.89	1.04	8.545	21.97	-735.63	735.58	732.64	2.94	250.368	
183.55	183.55	174.00	180.38	1.91	1.05	9.609	21.97	-735.65	735.58	732.62	2.96	248.723	
200.00	200.00	189.73	196.11	1.96	1.06	12.654	21.95	-735.73	735.59	732.57	3.02	243.874	
261.00	261.00	250.00	256.38	2.14	1.11	22.518	21.92	-736.09	735.67	732.42	3.25	226.524	
300.00	300.00	288.12	294.49	2.25	1.14	13.467	21.87	-736.37	735.75	732.35	3.40	216.687	
345.00	345.00	333.82	340.20	2.38	1.19	6.087	21.81	-736.68	735.76	732.19	3.58	205.806	
400.00	400.00	389.17	395.54	2.54	1.26	3.362	21.78	-737.03	735.72	731.93	3.79	193.882	
429.00	428.99	418.18	424.56	2.62	1.30	1.924	21.74	-737.21	735.69	731.77	3.91	187.973	
500.00	499.99	490.68	497.05	2.81	1.40	25.608	21.54	-737.46	735.50	731.29	4.20	174.915	
504.11	504.10	494.02	500.40	2.82	1.41	27.290	21.53	-737.48	735.49	731.27	4.22	174.255	
514.00	513.99	502.64	509.01	2.84	1.42	31.435	21.51	-737.53	735.51	731.25	4.26	172.653	
598.00	597.99	588.56	594.94	3.06	1.55	49.082	21.52	-737.96	735.53	730.93	4.60	159.945	
600.00	599.99	590.64	597.02	3.06	1.56	49.082	21.51	-737.97	735.53	730.92	4.61	159.638	
622.70	622.69	613.06	619.44	3.13	1.59	45.288	21.47	-738.06	735.52	730.81	4.71	156.292	
695.00	694.99	685.66	692.03	3.33	1.72	25.547	21.24	-738.38	735.52	730.50	5.03	146.338	
700.00	699.99	690.35	696.72	3.34	1.72	28.199	21.22	-738.40	735.53	730.48	5.05	145.758	
790.00	789.99	778.57	784.94	3.57	1.88	74.110	20.88	-738.95	735.85	730.43	5.42	135.828	
800.00	799.99	788.11	794.48	3.60	1.90	71.316	20.85	-739.02	735.91	730.45	5.46	134.858	
885.00	884.99	872.87	879.23	3.81	2.05	51.842	20.83	-739.68	736.32	730.52	5.80	126.932	
900.00	899.99	888.18	894.54	3.84	2.08	55.475	20.82	-739.79	736.38	730.52	5.86	125.638	
980.00	979.99	969.29	975.66	4.04	2.23	77.109	20.70	-740.35	736.74	730.56	6.18	119.145	
1,000.00	999.99	989.56	995.92	4.08	2.27	68.512	20.70	-740.46	736.82	730.55	6.26	117.620	
1,075.00	1,074.98	1,065.66	1,072.02	4.26	2.42	30.423	20.62	-740.82	736.92	730.36	6.57	112.176	
1,100.00	1,099.98	1,090.76	1,097.12	4.32	2.46	39.536	20.56	-740.92	736.91	730.24	6.67	110.440	
1,170.00	1,169.98	1,162.10	1,168.46	4.49	2.60	57.146	20.37	-741.19	736.87	729.90	6.96	105.807	
1,200.00	1,199.98	1,191.54	1,197.90	4.57	2.66	48.745	20.26	-741.24	736.78	729.70	7.09	103.968	
1,265.00	1,264.98	1,255.93	1,262.29	4.73	2.79	30.713	20.10	-741.48	736.64	729.28	7.35	100.163	
1,300.00	1,299.98	1,290.28	1,296.64	4.81	2.85	29.326	19.95	-741.63	736.54	729.04	7.50	98.180	
1,360.00	1,359.98	1,350.00	1,356.36	4.96	2.97	27.051	19.72	-741.90	736.38	728.62	7.76	94.928	
1,400.00	1,399.98	1,390.03	1,396.39	5.06	3.05	28.262	19.55	-742.12	736.35	728.42	7.93	92.868	
1,414.00	1,413.98	1,404.36	1,410.72	5.09	3.08	28.950	19.48	-742.19	736.34	728.35	7.99	92.161	
1,462.00	1,461.98	1,451.62	1,457.98	5.21	3.18	35.073	19.25	-742.46	736.46	728.26	8.19	89.869	
1,500.00	1,499.98	1,486.33	1,492.69	5.29	3.25	3.873	19.07	-742.74	736.66	728.32	8.34	88.347	
1,549.00	1,548.97	1,534.28	1,540.63	5.38	3.34	-11.388	18.98	-743.27	736.97	728.44	8.53	86.396	
1,600.00	1,599.97	1,585.60	1,591.95	5.44	3.45	-77.693	19.02	-743.85	737.38	728.67	8.71	84.668	
1,644.00	1,643.97	1,632.59	1,638.94	5.49	3.54	-117.189	19.07	-744.29	737.85	728.98	8.87	83.191	
1,700.00	1,699.97	1,693.41	1,699.75	5.50	3.67	-141.642	19.06	-744.50	738.33	729.31	9.02	81.819	
1,740.00	1,739.97	1,730.71	1,737.05	5.51	3.74	-152.403	18.95	-744.56	738.75	729.63	9.12	80.987	
1,800.00	1,799.96	1,790.08	1,796.43	5.52	3.86	-148.195	18.81	-744.81	739.63	730.37	9.27	79.822	
1,835.00	1,834.96	1,824.09	1,830.43	5.52	3.93	-146.323	18.79	-744.99	740.24	730.89	9.35	79.179	
1,900.00	1,899.96	1,888.32	1,894.66	5.54	4.06	-154.403	18.70	-745.45	741.48	731.97	9.51	77.973	
1,930.00	1,929.95	1,918.92	1,925.26	5.55	4.13	-158.908	18.73	-745.66	742.03	732.45	9.59	77.412	
2,000.00	1,999.95	1,991.36	1,997.69	5.57	4.27	-160.221	18.82	-745.94	743.17	733.40	9.77	76.079	
2,025.00	2,024.94	2,016.37	2,022.71	5.58	4.33	-160.606	18.82	-746.00	743.59	733.75	9.83	75.629	
2,100.00	2,099.94	2,091.48	2,097.82	5.61	4.48	-158.277	18.84	-746.23	744.83	734.80	10.03	74.259	
2,120.00	2,119.93	2,111.58	2,117.92	5.62	4.52	-157.593	18.83	-746.28	745.13	735.05	10.08	73.899	
2,200.00	2,199.93	2,190.22	2,196.56	5.70	4.68	-67.158	18.76	-746.59	745.87	735.54	10.33	72.176	
2,216.00	2,215.93	2,206.16	2,212.50	5.71	4.72	-42.932	18.70	-746.66	745.89	735.50	10.38	71.826	
2,300.00	2,299.92	2,290.19	2,296.53	5.85	4.89	-20.097	18.53	-747.10	745.02	734.30	10.72	69.495	
2,311.00	2,310.91	2,301.62	2,307.96	5.87	4.92	-19.477	18.53	-747.15	744.76	734.00	10.77	69.182	

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Anticollision Report

PERMIAN

RESOURCES

Company:	Permian Resources	Local Co-ordinate Reference:	Well Batman Fed Com 201H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3641.38usft (H&P 296)
Reference Site:	Batman	MD Reference:	RKB @ 3641.38usft (H&P 296)
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Reference Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ST01 / 71612	Database:	USA Compass
Reference Design:	Plan 3 03-03-23	Offset TVD Reference:	Reference Datum

Offset Design: Batman Offsets (NAD27 - Grid) - Hamon Fed Com A 2H - OH - Surveys													Offset Site Error: 0.00 usft
Survey Program: 25-SPT_C100Gd_GTD_WLine, 10092-MWD													Offset Well Error: 1.00 usft
Reference	Offset	Semi Major Axis	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
				(usft)	(usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
2,400.00	2,399.83	2,392.47	2,398.81	6.07	5.10	-19.213	18.47	-747.40	741.37	730.21	11.16	66.436	
2,406.00	2,405.82	2,398.70	2,405.03	6.08	5.12	-19.211	18.46	-747.40	741.06	729.87	11.19	66.250	
2,500.00	2,499.59	2,490.12	2,496.45	6.30	5.31	-16.879	18.11	-747.77	735.26	723.66	11.60	63.395	
2,501.00	2,500.59	2,491.12	2,497.46	6.30	5.31	-16.862	18.11	-747.78	735.19	723.59	11.60	63.365	
2,597.00	2,596.19	2,594.76	2,601.10	6.54	5.52	-17.101	17.94	-747.67	726.76	714.71	12.05	60.310	
2,600.00	2,599.18	2,599.55	2,605.89	6.55	5.53	-17.115	17.95	-747.63	726.45	714.38	12.07	60.198	
2,692.00	2,690.69	2,704.19	2,710.50	6.78	5.74	-17.436	18.62	-745.32	715.40	702.89	12.51	57.204	
2,700.00	2,698.65	2,712.48	2,718.78	6.80	5.75	-17.779	18.68	-745.08	714.38	701.84	12.54	56.953	
2,787.00	2,785.19	2,801.82	2,808.08	7.03	5.93	-21.560	19.51	-742.36	703.30	690.36	12.95	54.317	
2,800.00	2,798.12	2,814.81	2,821.05	7.06	5.96	-21.187	19.64	-741.94	701.62	688.61	13.01	53.930	
2,882.00	2,879.59	2,896.83	2,903.02	7.29	6.13	-19.227	20.53	-739.12	690.14	676.74	13.40	51.501	
2,900.00	2,897.46	2,915.18	2,921.36	7.35	6.16	-18.220	20.74	-738.49	687.44	673.95	13.49	50.954	
2,978.00	2,974.77	2,992.05	2,998.18	7.59	6.32	-14.445	21.66	-735.79	674.85	660.97	13.88	48.618	
3,000.00	2,996.56	3,013.53	3,019.65	7.65	6.36	-14.117	21.91	-735.05	671.11	657.12	13.99	47.963	
3,073.00	3,068.84	3,086.55	3,092.61	7.89	6.51	-13.038	22.72	-732.43	658.55	644.19	14.37	45.843	
3,100.00	3,095.57	3,113.67	3,119.71	7.97	6.57	-13.845	22.98	-731.44	653.92	639.41	14.51	45.082	
3,168.00	3,162.96	3,178.92	3,184.92	8.19	6.70	-16.037	23.64	-729.14	642.73	627.88	14.85	43.273	
3,200.00	3,194.68	3,210.31	3,216.29	8.30	6.76	-13.577	23.94	-728.09	637.60	622.58	15.02	42.448	
3,263.00	3,257.10	3,270.38	3,276.33	8.51	6.89	-8.990	24.23	-726.11	627.20	611.85	15.35	40.862	
3,300.00	3,293.74	3,307.58	3,313.50	8.63	6.96	-6.508	24.21	-724.93	620.90	605.35	15.55	39.927	
3,358.00	3,351.12	3,359.26	3,365.17	8.83	7.07	-2.910	23.79	-723.53	610.92	595.06	15.86	38.519	
3,400.00	3,392.66	3,400.00	3,405.89	8.98	7.15	-1.538	23.34	-722.61	603.81	587.72	16.09	37.524	
3,453.00	3,445.12	3,450.00	3,455.88	9.17	7.26	0.328	22.57	-721.58	595.22	578.84	16.38	36.334	
3,500.00	3,491.65	3,495.16	3,501.02	9.34	7.35	-0.006	21.71	-720.80	587.75	571.11	16.64	35.314	
3,548.00	3,539.12	3,541.46	3,547.31	9.51	7.44	-0.330	20.85	-720.10	579.93	563.02	16.91	34.291	
3,600.00	3,590.47	3,593.82	3,599.65	9.71	7.55	-0.628	19.67	-719.30	570.99	553.77	17.22	33.165	
3,644.00	3,633.84	3,635.50	3,641.32	9.88	7.64	-0.860	18.75	-718.65	562.95	545.47	17.47	32.220	
3,700.00	3,689.00	3,691.00	3,696.79	10.09	7.75	0.053	17.43	-717.88	552.54	534.75	17.80	31.045	
3,739.00	3,727.42	3,727.37	3,733.15	10.24	7.83	0.701	16.52	-717.41	545.34	527.32	18.02	30.256	
3,800.00	3,787.47	3,787.50	3,793.26	10.48	7.95	-0.725	14.94	-716.66	533.93	515.55	18.38	29.043	
3,834.00	3,820.91	3,822.50	3,828.24	10.61	8.03	-1.506	14.00	-716.23	527.41	508.83	18.58	28.379	
3,900.00	3,885.76	3,886.16	3,891.87	10.87	8.16	-4.238	12.29	-715.44	514.42	495.44	18.98	27.107	
3,929.00	3,914.23	3,913.67	3,919.37	10.99	8.22	-5.395	11.61	-715.10	508.56	489.41	19.15	26.557	
4,000.00	3,983.87	3,980.73	3,986.41	11.27	8.36	-10.490	9.83	-714.46	494.30	474.73	19.57	25.255	
4,024.00	4,007.40	4,003.32	4,008.99	11.37	8.40	-12.207	9.26	-714.35	489.58	469.86	19.71	24.833	
4,100.00	4,081.87	4,077.15	4,082.80	11.68	8.56	-15.894	7.45	-713.93	474.51	454.35	20.16	23.533	
4,119.00	4,100.48	4,096.55	4,102.18	11.76	8.60	-16.824	6.99	-713.85	470.76	450.48	20.27	23.219	
4,200.00	4,179.76	4,176.93	4,182.55	12.10	8.77	-17.694	5.29	-713.49	454.63	433.89	20.75	21.911	
4,214.00	4,193.46	4,188.77	4,194.39	12.15	8.79	-17.824	5.09	-713.43	451.82	430.99	20.83	21.690	
4,300.00	4,277.54	4,270.33	4,275.93	12.52	8.96	-20.120	3.73	-713.43	434.84	413.51	21.33	20.383	
4,310.00	4,287.31	4,279.91	4,285.52	12.56	8.98	-20.391	3.58	-713.46	432.88	411.49	21.39	20.237	
4,400.00	4,375.41	4,368.29	4,373.88	12.94	9.17	-22.244	2.34	-713.58	415.91	394.00	21.91	18.986	
4,405.00	4,380.31	4,373.35	4,378.94	12.96	9.18	-22.353	2.28	-713.59	415.02	393.08	21.93	18.921	
4,500.00	4,473.56	4,467.32	4,472.90	13.35	9.37	-22.721	1.14	-713.71	398.49	376.02	22.47	17.737	
4,595.00	4,566.84	4,562.33	4,567.91	13.75	9.57	-24.380	0.27	-713.53	381.88	358.89	22.99	16.612	
4,600.00	4,571.75	4,567.57	4,573.15	13.77	9.58	-24.479	0.23	-713.51	380.98	357.97	23.02	16.553	
4,690.00	4,660.33	4,656.29	4,661.87	14.17	9.77	-26.282	-0.40	-713.02	366.20	342.69	23.52	15.572	
4,700.00	4,670.20	4,665.96	4,671.54	14.21	9.79	-26.527	-0.46	-712.97	364.71	341.14	23.57	15.474	
4,785.00	4,754.02	4,749.82	4,755.40	14.56	9.96	-28.678	-1.00	-712.51	351.84	327.84	24.01	14.656	
4,800.00	4,768.81	4,763.84	4,769.41	14.63	9.99	-29.055	-1.05	-712.45	349.58	325.50	24.08	14.515	
4,881.00	4,848.65	4,844.39	4,849.96	14.96	10.16	-31.196	-1.23	-712.27	337.57	313.09	24.49	13.787	
4,900.00	4,867.37	4,862.80	4,868.38	15.04	10.20	-31.634	-1.22	-712.20	334.74	310.16	24.58	13.619	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report

PERMIAN

RESOURCES

Company:	Permian Resources	Local Co-ordinate Reference:	Well Batman Fed Com 201H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3641.38usft (H&P 296)
Reference Site:	Batman	MD Reference:	RKB @ 3641.38usft (H&P 296)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ST01 / 71612	Database:	USA Compass
Reference Design:	Plan 3 03-03-23	Offset TVD Reference:	Reference Datum

Offset Design: Batman Offsets (NAD27 - Grid) - Hamon Fed Com A 2H - OH - Surveys													Offset Site Error: 0.00 usft
Survey Program: 25-SPT_C100Gd_GTD_WLine, 10092-MWD													Offset Well Error: 1.00 usft
Reference	Offset	Semi Major Axis	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
				(usft)	(usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
4,976.00	4,942.25	4,936.49	4,942.06	15.36	10.35	-33.463	-1.31	-712.16	323.68	298.75	24.94	12.979	
5,000.00	4,965.88	4,959.93	4,965.51	15.46	10.40	-34.080	-1.32	-712.18	320.24	295.19	25.05	12.784	
5,071.00	5,035.78	5,030.22	5,035.80	15.76	10.55	-35.979	-1.30	-712.25	310.04	284.68	25.36	12.225	
5,100.00	5,064.32	5,058.59	5,064.16	15.88	10.61	-36.898	-1.27	-712.30	305.90	280.41	25.48	12.004	
5,166.00	5,129.22	5,123.87	5,129.44	16.16	10.74	-39.068	-1.13	-712.35	296.41	270.66	25.74	11.514	
5,200.00	5,162.65	5,156.95	5,162.52	16.31	10.81	-39.108	-1.06	-712.36	291.53	265.66	25.87	11.268	
5,261.00	5,222.64	5,216.73	5,222.31	16.57	10.94	-39.181	-0.96	-712.42	282.94	256.85	26.09	10.844	
5,300.00	5,261.01	5,255.50	5,261.07	16.73	11.02	-39.261	-0.82	-712.51	277.53	251.31	26.22	10.583	
5,347.00	5,307.27	5,302.12	5,307.69	16.93	11.11	-39.337	-0.56	-712.63	271.06	244.68	26.38	10.276	
5,400.00	5,359.42	5,354.22	5,359.79	17.16	11.22	-41.531	-0.22	-712.78	263.86	237.31	26.55	9.939	
5,448.00	5,406.65	5,400.70	5,406.27	17.37	11.32	-43.610	-0.03	-712.76	257.37	230.69	26.68	9.646	
5,500.00	5,457.79	5,451.07	5,456.64	17.59	11.42	-39.973	0.56	-713.11	250.40	223.57	26.84	9.331	
5,543.00	5,500.07	5,494.10	5,499.65	17.78	11.51	-36.969	1.21	-713.51	244.32	217.35	26.96	9.061	
5,600.00	5,556.08	5,550.48	5,556.03	18.03	11.63	-30.986	2.00	-714.08	235.65	208.49	27.16	8.677	
5,638.00	5,593.38	5,586.99	5,592.53	18.20	11.70	-27.195	2.48	-714.43	229.35	202.05	27.30	8.402	
5,700.00	5,654.21	5,648.09	5,653.63	18.47	11.83	-28.219	3.31	-715.07	218.84	191.32	27.52	7.952	
5,734.00	5,687.57	5,681.21	5,686.74	18.62	11.90	-28.823	3.70	-715.44	213.18	185.54	27.63	7.714	
5,800.00	5,752.35	5,745.85	5,751.37	18.91	12.03	-30.030	4.54	-716.15	202.31	174.47	27.84	7.268	
5,829.00	5,780.82	5,774.83	5,780.35	19.04	12.09	-30.604	4.90	-716.51	197.66	169.74	27.92	7.081	
5,900.00	5,850.56	5,844.28	5,849.79	19.34	12.24	-30.583	5.79	-717.29	186.29	158.19	28.10	6.630	
5,924.00	5,874.14	5,868.23	5,873.73	19.45	12.29	-30.585	6.11	-717.60	182.50	154.35	28.15	6.483	
6,000.00	5,948.95	5,942.34	5,947.83	19.78	12.44	-36.042	6.88	-718.50	171.56	143.26	28.30	6.062	
6,019.00	5,967.70	5,961.18	5,966.67	19.87	12.48	-37.584	7.04	-718.78	169.20	140.87	28.33	5.973	
6,100.00	6,047.80	6,041.32	6,046.80	20.22	12.65	-42.882	7.77	-719.85	160.35	131.94	28.41	5.644	
6,114.00	6,061.67	6,055.15	6,060.63	20.28	12.68	-43.903	7.88	-720.06	159.07	130.65	28.42	5.597	
6,200.00	6,147.01	6,140.73	6,146.20	20.63	12.86	-49.084	8.68	-721.20	152.07	123.61	28.46	5.343	
6,209.00	6,155.95	6,149.55	6,155.01	20.67	12.88	-49.678	8.74	-721.32	151.46	122.99	28.47	5.320	
6,300.00	6,246.38	6,240.23	6,245.69	21.03	13.07	-51.134	9.58	-722.54	145.26	116.79	28.48	5.101	
6,304.00	6,250.36	6,244.13	6,249.58	21.05	13.07	-51.201	9.61	-722.60	145.00	116.53	28.47	5.092	
6,400.00	6,345.85	6,339.87	6,345.31	21.43	13.27	-55.748	10.44	-723.90	139.41	110.96	28.46	4.899	
6,495.00	6,440.54	6,434.74	6,440.17	21.79	13.47	-67.034	11.37	-725.22	135.86	107.39	28.47	4.772	
6,500.00	6,445.53	6,439.71	6,445.13	21.81	13.48	-67.130	11.41	-725.29	135.74	107.27	28.47	4.768	
6,590.00	6,535.39	6,529.73	6,535.15	22.11	13.67	-68.576	12.32	-726.53	133.95	105.38	28.56	4.690	
6,600.00	6,545.38	6,539.87	6,545.29	22.15	13.69	-68.997	12.43	-726.67	133.80	105.22	28.58	4.682	
6,685.00	6,630.33	6,624.89	6,630.28	22.40	13.87	-75.454	13.34	-727.78	132.91	104.13	28.78	4.619	
6,700.00	6,645.33	6,640.28	6,645.68	22.45	13.90	-76.781	13.51	-727.98	132.81	104.00	28.81	4.609	
6,780.00	6,725.31	6,720.11	6,725.50	22.66	14.07	-83.294	14.33	-728.89	132.44	103.42	29.02	4.564	
6,800.00	6,745.31	6,740.17	6,745.56	22.71	14.11	-81.947	14.56	-729.11	132.34	103.27	29.07	4.552	
6,875.00	6,820.29	6,815.14	6,820.51	22.92	14.27	-76.922	15.32	-730.04	132.00	102.74	29.26	4.511	
6,900.00	6,845.28	6,839.94	6,845.32	22.99	14.32	-75.541	15.58	-730.31	131.83	102.50	29.33	4.495	
6,970.00	6,915.26	6,910.09	6,915.46	23.18	14.47	-71.196	16.28	-731.22	131.39	101.86	29.53	4.450	
7,000.00	6,945.26	6,939.75	6,945.11	23.26	14.53	-70.983	16.56	-731.54	131.17	101.55	29.62	4.429	
7,065.00	7,010.24	7,005.19	7,010.54	23.44	14.67	-70.403	17.16	-732.33	130.75	100.94	29.81	4.386	
7,100.00	7,045.24	7,039.87	7,045.21	23.53	14.74	-70.541	17.49	-732.68	130.47	100.55	29.92	4.361	
7,160.00	7,105.22	7,100.20	7,105.54	23.70	14.87	-70.730	18.06	-733.44	130.08	99.98	30.10	4.322	
7,200.00	7,145.22	7,139.52	7,144.85	23.81	14.95	-70.021	18.39	-733.84	129.79	99.57	30.22	4.295	
7,255.00	7,200.20	7,194.09	7,199.42	23.96	15.06	-69.041	18.56	-734.54	129.69	99.32	30.38	4.270	
7,300.00	7,245.20	7,239.80	7,245.13	24.08	15.16	-68.440	18.83	-735.07	129.47	98.97	30.50	4.245	
7,351.00	7,296.18	7,290.35	7,295.68	24.22	15.26	-67.834	19.09	-735.57	129.17	98.53	30.64	4.216	
7,400.00	7,345.17	7,338.94	7,344.26	24.36	15.37	-65.079	19.11	-736.18	129.13	98.35	30.78	4.195	
7,446.00	7,391.17	7,385.48	7,390.80	24.48	15.46	-62.016	19.31	-736.76	128.94	98.02	30.92	4.170	
7,500.00	7,445.16	7,439.00	7,444.32	24.63	15.58	-62.176	19.44	-737.29	128.69	97.60	31.08	4.140	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report

PERMIAN

RESOURCES

Company:	Permian Resources	Local Co-ordinate Reference:	Well Batman Fed Com 201H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3641.38usft (H&P 296)
Reference Site:	Batman	MD Reference:	RKB @ 3641.38usft (H&P 296)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ST01 / 71612	Database:	USA Compass
Reference Design:	Plan 3 03-03-23	Offset TVD Reference:	Reference Datum

Offset Design: Batman Offsets (NAD27 - Grid) - Hamon Fed Com A 2H - OH - Surveys													Offset Site Error: 0.00 usft
Survey Program: 25-SPT_C100Gd_GTD_WLine, 10092-MWD													Offset Well Error: 1.00 usft
Reference	Offset	Semi Major Axis	Reference	Offset	Highside	Offset Wellbore Centre	Distance	Rule Assigned:	Minimum	Separation	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
7,541.00	7,486.15	7,479.88	7,485.19	24.74	15.66	-62.171	19.40	-737.76	128.65	97.45	31.20	4.123	
7,600.00	7,545.14	7,539.39	7,544.70	24.90	15.79	-59.469	19.46	-738.48	128.51	97.14	31.38	4.095	
7,636.00	7,581.13	7,575.32	7,580.63	25.00	15.86	-57.870	19.53	-738.79	128.29	96.81	31.48	4.075	
7,700.00	7,645.13	7,639.00	7,644.30	25.17	16.00	-55.057	19.38	-739.01	127.93	96.28	31.65	4.043	
7,731.00	7,676.12	7,669.85	7,675.15	25.25	16.06	-53.356	19.34	-739.32	127.85	96.11	31.74	4.028	
7,800.00	7,745.11	7,739.44	7,744.74	25.42	16.21	-50.915	19.56	-740.02	127.42	95.44	31.98	3.984	
7,826.00	7,771.11	7,765.24	7,770.54	25.49	16.26	-49.928	19.62	-740.24	127.26	95.19	32.07	3.968	
7,900.00	7,845.10	7,839.04	7,844.34	25.67	16.42	-49.264	19.65	-740.86	126.91	94.59	32.33	3.926	
7,921.00	7,866.10	7,859.78	7,865.07	25.73	16.46	-49.126	19.51	-740.96	126.89	94.51	32.39	3.918	
8,000.00	7,945.09	7,938.99	7,944.28	25.92	16.63	-45.816	19.50	-741.71	126.60	93.94	32.66	3.876	
8,016.00	7,961.09	7,954.87	7,960.16	25.96	16.66	-45.116	19.49	-741.89	126.57	93.84	32.72	3.868	
8,100.00	8,045.08	8,038.92	8,044.21	26.17	16.84	-46.532	19.47	-742.73	126.19	93.16	33.02	3.821	
8,112.00	8,057.08	8,050.80	8,056.08	26.20	16.86	-46.691	19.46	-742.87	126.14	93.07	33.07	3.814	
8,200.00	8,145.07	8,139.19	8,144.47	26.42	17.05	-36.493	19.79	-744.26	125.53	92.09	33.44	3.753	
8,207.00	8,152.07	8,146.32	8,151.59	26.43	17.06	-35.675	19.84	-744.38	125.46	91.99	33.48	3.748	
8,300.00	8,245.06	8,238.86	8,244.11	26.64	17.26	-30.954	20.41	-746.04	124.79	90.84	33.95	3.676	
8,303.00	8,248.05	8,241.86	8,247.11	26.65	17.26	-30.751	20.43	-746.10	124.77	90.81	33.97	3.673	
8,398.00	8,343.05	8,336.81	8,342.03	26.87	17.46	-34.455	21.12	-748.31	124.37	89.87	34.51	3.604	
8,400.00	8,345.04	8,338.81	8,344.03	26.87	17.47	-34.439	21.14	-748.36	124.36	89.84	34.52	3.603	
8,493.00	8,438.03	8,431.76	8,436.95	27.09	17.66	-31.167	21.99	-750.77	123.95	88.87	35.08	3.533	
8,500.00	8,445.03	8,438.73	8,443.92	27.10	17.68	-30.285	22.06	-750.97	123.92	88.80	35.13	3.528	
8,581.01	8,526.03	8,519.46	8,524.59	27.27	17.85	-18.056	23.09	-753.55	123.73	88.01	35.72	3.464 CC	
8,589.00	8,534.03	8,527.38	8,532.51	27.29	17.87	-16.635	23.20	-753.83	123.73	87.95	35.78	3.458	
8,600.00	8,545.03	8,538.19	8,543.31	27.31	17.89	-17.963	23.33	-754.22	123.74	87.88	35.87	3.450	
8,684.00	8,629.02	8,621.17	8,626.22	27.48	18.06	-25.376	24.09	-757.63	124.23	87.70	36.54	3.400 ES	
8,700.00	8,645.01	8,636.95	8,641.99	27.51	18.10	-21.786	24.23	-758.38	124.39	87.72	36.67	3.392	
8,780.00	8,725.01	8,716.39	8,721.32	27.64	18.26	13.888	24.73	-762.39	125.80	88.42	37.38	3.366	
8,800.00	8,745.01	8,736.23	8,741.14	27.65	18.31	21.413	24.84	-763.38	126.22	88.66	37.56	3.361	
8,875.00	8,820.00	8,810.18	8,814.95	27.69	18.46	39.105	25.37	-767.78	128.13	89.81	38.32	3.344	
8,900.00	8,845.00	8,835.15	8,839.86	27.69	18.51	44.331	25.58	-769.44	128.88	90.30	38.58	3.340	
8,970.00	8,914.99	8,904.59	8,909.14	27.68	18.66	58.953	26.34	-774.14	131.13	91.79	39.34	3.333	
9,000.00	8,944.99	8,935.39	8,939.87	27.66	18.73	57.932	26.63	-776.22	132.20	92.55	39.65	3.334	
9,066.00	9,010.98	9,002.32	9,006.65	27.64	18.87	55.931	28.08	-780.44	133.85	93.50	40.34	3.318	
9,100.00	9,044.98	9,034.56	9,038.81	27.64	18.94	53.444	28.69	-782.62	134.89	94.17	40.72	3.313 SF	
9,161.00	9,105.97	9,094.13	9,098.20	27.64	19.06	50.084	29.46	-787.24	137.47	96.10	41.36	3.323	
9,200.00	9,144.97	9,132.58	9,136.52	27.65	19.14	47.749	29.80	-790.33	139.31	97.54	41.77	3.335	
9,256.00	9,200.96	9,188.68	9,192.44	27.67	19.26	44.075	30.13	-794.79	142.06	99.76	42.30	3.358	
9,300.00	9,244.95	9,233.43	9,237.07	27.70	19.36	37.540	30.38	-798.10	144.05	101.36	42.70	3.374	
9,351.00	9,295.95	9,285.42	9,288.94	27.75	19.47	29.034	30.76	-801.57	146.02	102.90	43.12	3.386	
9,400.00	9,344.94	9,335.53	9,338.97	27.83	19.57	13.282	31.09	-804.41	147.46	103.96	43.50	3.390	
9,446.00	9,390.93	9,382.32	9,385.70	27.91	19.67	-0.061	31.38	-806.64	148.42	104.61	43.82	3.387	
9,500.00	9,444.93	9,437.16	9,440.48	28.03	19.79	-0.159	32.03	-809.18	149.27	105.06	44.21	3.376	
9,541.00	9,485.92	9,478.51	9,481.77	28.12	19.88	-0.024	33.01	-811.08	149.61	105.08	44.54	3.359	
9,600.00	9,544.91	9,536.45	9,539.60	28.16	20.00	-164.212	34.87	-814.24	151.12	106.20	44.92	3.364	
9,636.00	9,580.91	9,572.19	9,575.23	28.19	20.08	-170.621	36.33	-816.53	152.98	107.81	45.17	3.387	
9,700.00	9,644.89	9,634.65	9,637.45	28.09	20.21	-164.850	39.47	-821.08	157.09	111.59	45.50	3.453	
9,731.00	9,675.89	9,664.85	9,667.49	28.04	20.27	-161.843	41.19	-823.61	159.31	113.65	45.66	3.489	
9,800.00	9,744.87	9,733.00	9,735.24	28.01	20.42	-151.832	45.40	-829.70	164.51	118.42	46.09	3.569	
9,900.00	9,844.85	9,829.15	9,830.75	27.97	20.63	-136.534	51.06	-839.21	173.10	126.47	46.63	3.712	
9,921.00	9,865.84	9,849.63	9,851.08	27.96	20.67	-133.274	52.18	-841.44	175.14	128.41	46.73	3.748	
10,000.00	9,944.84	9,925.90	9,926.79	27.97	20.83	-110.466	55.38	-850.07	183.14	136.06	47.09	3.890	
10,017.00	9,961.83	9,942.53	9,943.31	27.97	20.87	-100.082	55.81	-851.96	184.88	137.73	47.15	3.921	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report

PERMIAN

RESOURCES

Company:	Permian Resources	Local Co-ordinate Reference:	Well Batman Fed Com 201H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3641.38usft (H&P 296)
Reference Site:	Batman	MD Reference:	RKB @ 3641.38usft (H&P 296)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ST01 / 71612	Database:	USA Compass
Reference Design:	Plan 3 03-03-23	Offset TVD Reference:	Reference Datum

Offset Design: Batman Offsets (NAD27 - Grid) - Hamon Fed Com A 2H - OH - Surveys													Offset Site Error: 0.00 usft
Survey Program: 25-SPT_C100Gd_GTD_WLine, 10092-MWD													Offset Well Error: 1.00 usft
Reference	Offset	Semi Major Axis	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	Offset Wellbore Centre	Distance	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,100.00	10,044.83	10,024.70	10,024.93	28.06	21.05	-82.709	57.20	-861.35	193.46	145.96	47.50	4.073	
10,112.00	10,056.83	10,037.02	10,037.17	28.07	21.07	-81.181	57.34	-862.71	194.66	147.12	47.54	4.094	
10,200.00	10,144.81	10,126.91	10,126.63	28.22	21.25	-74.809	57.67	-871.51	202.44	154.65	47.79	4.236	
10,207.00	10,151.81	10,133.94	10,133.62	28.23	21.26	-74.483	57.68	-872.18	203.03	155.22	47.80	4.247	
10,300.00	10,244.79	10,227.23	10,226.48	28.30	21.29	-122.190	58.56	-881.03	211.39	163.48	47.91	4.412	
10,302.00	10,246.79	10,229.23	10,228.48	28.31	21.30	-123.326	58.59	-881.22	211.58	163.67	47.91	4.416	
10,397.00	10,341.77	10,323.28	10,322.09	28.19	21.34	175.485	60.21	-890.13	221.78	173.86	47.92	4.628	
10,400.00	10,344.77	10,326.20	10,325.00	28.18	21.34	175.519	60.25	-890.41	222.15	174.23	47.92	4.636	
10,491.00	10,435.72	10,404.73	10,403.06	27.96	21.38	176.678	61.33	-898.81	234.34	186.48	47.86	4.896	
10,500.00	10,444.71	10,410.00	10,408.27	27.94	21.39	175.478	61.41	-899.61	235.94	188.09	47.84	4.931	
10,539.00	10,483.69	10,445.06	10,442.83	27.84	21.40	170.194	61.96	-905.46	243.31	195.49	47.82	5.088	
10,600.00	10,544.55	10,493.02	10,489.67	28.35	21.44	94.728	64.55	-915.34	256.07	207.42	48.66	5.263	
10,634.00	10,578.20	10,516.12	10,511.91	28.64	21.46	89.783	66.79	-921.16	264.15	215.02	49.13	5.377	
10,700.00	10,641.22	10,553.24	10,546.83	28.70	21.50	89.594	72.00	-932.60	284.33	234.94	49.39	5.757	
10,729.00	10,667.07	10,569.00	10,561.29	28.73	21.51	89.291	74.83	-938.18	295.52	246.03	49.50	5.970	
10,800.00	10,724.17	10,592.88	10,582.79	28.72	21.54	84.255	79.75	-947.32	328.12	278.70	49.42	6.639	
10,824.00	10,741.19	10,601.00	10,589.99	28.71	21.55	82.615	81.59	-950.60	340.65	291.32	49.33	6.906	
10,900.00	10,789.14	10,611.73	10,599.38	28.68	21.56	78.000	84.20	-955.11	384.90	336.16	48.74	7.897	
10,919.00	10,799.85	10,613.83	10,601.19	28.67	21.56	76.651	84.73	-956.01	396.92	348.36	48.56	8.174	
11,000.00	10,841.64	10,620.31	10,606.75	28.67	21.57	73.037	86.44	-958.86	451.50	403.72	47.78	9.450	
11,014.00	10,848.30	10,621.12	10,607.45	28.67	21.57	72.340	86.66	-959.22	461.38	413.74	47.64	9.685	
11,050.00	10,864.80	10,622.95	10,609.00	29.07	21.58	70.860	87.16	-960.03	487.13	438.84	48.29	10.088	
11,060.00	10,869.23	10,623.41	10,609.39	29.08	21.58	70.451	87.29	-960.24	494.35	446.12	48.23	10.251	
11,090.00	10,882.45	10,633.00	10,617.47	29.09	21.59	72.335	90.03	-964.64	516.82	468.65	48.17	10.730	
11,100.00	10,886.84	10,633.00	10,617.47	29.10	21.59	71.954	90.03	-964.64	524.47	476.36	48.11	10.901	
11,120.00	10,895.46	10,633.00	10,617.47	29.11	21.59	71.170	90.03	-964.64	539.97	491.97	48.00	11.249	
11,200.00	10,929.51	10,633.00	10,617.47	29.16	21.59	71.170	90.03	-964.64	604.53	556.90	47.64	12.691	
11,220.00	10,938.02	10,633.00	10,617.47	29.17	21.59	71.170	90.03	-964.64	621.24	573.68	47.56	13.063	
11,250.00	10,950.25	10,633.00	10,617.47	29.19	21.59	67.958	90.03	-964.64	646.42	598.97	47.45	13.622	
11,300.00	10,968.18	10,633.00	10,617.47	29.24	21.59	63.019	90.03	-964.64	688.27	640.96	47.31	14.549	
11,320.00	10,974.47	10,633.00	10,617.47	29.25	21.59	61.194	90.03	-964.64	704.93	657.67	47.26	14.917	
11,350.00	10,982.78	10,633.00	10,617.47	29.28	21.59	57.770	90.03	-964.64	729.74	682.55	47.19	15.464	
11,400.00	10,993.20	10,633.00	10,617.47	29.33	21.59	52.832	90.03	-964.64	770.38	723.27	47.11	16.354	
11,450.00	10,999.26	10,633.00	10,617.47	29.39	21.59	48.766	90.03	-964.64	809.97	762.92	47.05	17.215	
11,488.75	11,000.93	10,633.00	10,617.47	29.43	21.59	46.142	90.03	-964.64	839.82	792.81	47.02	17.862	
11,500.00	11,001.03	10,633.00	10,617.47	29.45	21.59	46.142	90.03	-964.64	848.41	801.40	47.01	18.048	
11,513.75	11,001.15	10,621.25	10,607.56	29.46	21.57	44.987	86.70	-959.28	858.70	811.80	46.90	18.309	
11,600.00	11,001.90	10,615.77	10,602.86	29.59	21.57	42.840	85.24	-956.86	927.19	880.34	46.85	19.790	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report

PERMIAN

RESOURCES

Company:	Permian Resources	Local Co-ordinate Reference:	Well Batman Fed Com 201H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3641.38usft (H&P 296)
Reference Site:	Batman	MD Reference:	RKB @ 3641.38usft (H&P 296)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ST01 / 71612	Database:	USA Compass
Reference Design:	Plan 3 03-03-23	Offset TVD Reference:	Reference Datum

Offset Design: Batman Offsets (NAD27 - Grid) - Hamon Federal Com 1H - OH - Surveys													Offset Site Error: 0.00 usft
Survey Program: 23-GYD_G003_GC+DROP+OH, 7362-MWD													Offset Well Error: 1.00 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		Distance		Warning					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	0.00	7.78	1.00	1.00	-87.925	23.01	-635.32	635.78				
100.00	100.00	89.52	97.30	1.27	1.00	8.919	23.16	-635.45	635.76	633.48	2.27	279.537	
178.00	178.00	168.20	175.98	1.89	1.02	8.955	23.53	-635.90	635.96	633.04	2.91	218.198	
200.00	200.00	200.22	207.99	1.96	1.03	13.068	23.55	-635.77	635.78	632.79	2.99	212.669	
261.00	261.00	269.64	277.39	2.14	1.06	22.923	23.30	-634.11	634.00	630.80	3.20	198.140	
300.00	300.00	310.84	318.58	2.25	1.08	13.836	22.82	-633.01	632.73	629.40	3.33	189.961	
345.00	345.00	353.93	361.64	2.38	1.11	6.422	22.34	-631.76	631.12	627.64	3.49	181.095	
400.00	400.00	403.41	411.12	2.54	1.14	3.661	21.87	-630.73	629.57	625.90	3.67	171.593	
429.00	428.99	430.89	438.59	2.62	1.16	2.193	21.49	-630.30	628.89	625.12	3.77	166.858	
500.00	499.99	499.39	507.08	2.81	1.21	25.815	20.56	-629.35	627.44	623.43	4.01	156.474	
514.00	513.99	512.27	519.95	2.84	1.22	31.631	20.40	-629.22	627.22	623.16	4.06	154.575	
598.00	597.99	594.04	601.71	3.06	1.29	49.159	19.02	-628.70	626.25	621.92	4.33	144.588	
600.00	599.99	595.90	603.57	3.06	1.29	49.157	18.99	-628.69	626.23	621.89	4.34	144.346	
671.11	671.10	660.87	668.53	3.26	1.35	33.731	17.97	-628.66	625.86	621.26	4.59	136.308	
695.00	694.99	684.48	692.14	3.33	1.37	25.513	17.55	-628.80	625.89	621.21	4.68	133.766	
700.00	699.99	689.94	697.60	3.34	1.38	28.157	17.44	-628.82	625.89	621.19	4.70	133.279	
732.37	732.36	722.95	730.60	3.43	1.41	46.080	16.75	-628.94	625.87	621.07	4.81	130.245	
790.00	789.99	776.49	784.13	3.57	1.46	73.939	15.70	-629.27	626.07	621.07	5.00	125.297	
800.00	799.99	785.55	793.18	3.60	1.47	71.131	15.51	-629.36	626.16	621.13	5.03	124.534	
885.00	884.99	868.20	875.81	3.81	1.56	51.484	13.57	-630.34	626.87	621.57	5.30	118.216	
900.00	899.99	882.65	890.26	3.84	1.58	55.094	13.30	-630.57	627.05	621.70	5.35	117.208	
980.00	979.99	964.48	972.05	4.04	1.67	76.566	11.37	-631.56	627.77	622.16	5.61	111.910	
1,000.00	999.99	983.02	990.59	4.08	1.69	67.933	10.96	-631.83	628.02	622.35	5.67	110.709	
1,075.00	1,074.98	1,058.76	1,066.30	4.26	1.78	29.696	9.24	-632.97	628.87	622.95	5.92	106.257	
1,100.00	1,099.98	1,082.09	1,089.62	4.32	1.81	38.769	8.75	-633.34	629.15	623.15	6.00	104.853	
1,170.00	1,169.98	1,152.50	1,160.01	4.49	1.90	56.257	7.23	-634.49	629.96	623.72	6.24	101.001	
1,200.00	1,199.98	1,180.94	1,188.44	4.57	1.93	47.812	6.65	-634.99	630.33	624.00	6.34	99.477	
1,265.00	1,264.98	1,246.86	1,254.33	4.73	2.01	29.667	5.21	-636.13	631.05	624.49	6.56	96.218	
1,300.00	1,299.98	1,281.21	1,288.66	4.81	2.06	28.225	4.46	-636.77	631.45	624.76	6.68	94.515	
1,360.00	1,359.98	1,340.80	1,348.23	4.96	2.13	25.848	3.13	-637.72	631.96	625.07	6.89	91.686	
1,400.00	1,399.98	1,382.67	1,390.08	5.06	2.19	26.987	2.16	-638.47	632.42	625.38	7.04	89.858	
1,462.00	1,461.98	1,444.98	1,452.37	5.21	2.27	33.696	0.75	-639.54	633.25	625.99	7.26	87.216	
1,500.00	1,499.98	1,480.51	1,487.89	5.29	2.32	2.440	-0.02	-640.16	633.80	626.42	7.38	85.881	
1,549.00	1,548.97	1,531.44	1,538.79	5.38	2.38	-12.919	-1.19	-641.03	634.41	626.87	7.54	84.122	
1,600.00	1,599.97	1,581.86	1,589.19	5.44	2.45	-79.341	-2.46	-641.93	635.15	627.47	7.68	82.685	
1,644.00	1,643.97	1,624.41	1,631.73	5.49	2.51	-118.928	-3.43	-642.65	635.96	628.16	7.80	81.520	
1,700.00	1,699.97	1,682.30	1,689.59	5.50	2.59	-143.512	-4.88	-643.73	637.30	629.40	7.91	80.595	
1,740.00	1,739.97	1,720.67	1,727.93	5.51	2.64	-154.348	-5.79	-644.35	638.31	630.34	7.98	79.997	
1,800.00	1,799.96	1,784.40	1,791.65	5.52	2.73	-150.256	-7.18	-645.40	639.97	631.89	8.09	79.153	
1,835.00	1,834.96	1,820.08	1,827.32	5.52	2.78	-148.452	-7.93	-645.83	640.82	632.67	8.14	78.677	
1,900.00	1,899.96	1,885.76	1,892.97	5.54	2.87	-156.645	-9.24	-646.62	642.42	634.16	8.26	77.781	
1,930.00	1,929.95	1,914.98	1,922.19	5.55	2.91	-161.201	-9.79	-646.93	643.09	634.78	8.31	77.383	
2,000.00	1,999.95	1,991.71	1,998.90	5.57	3.02	-162.657	-11.32	-647.57	644.59	636.14	8.45	76.327	
2,025.00	2,024.94	2,017.74	2,024.92	5.58	3.05	-163.075	-11.68	-647.58	644.95	636.46	8.49	75.958	
2,100.00	2,099.94	2,098.00	2,105.18	5.61	3.16	-160.837	-12.65	-647.09	645.54	636.90	8.64	74.749	
2,120.00	2,119.93	2,118.92	2,126.10	5.62	3.19	-160.174	-12.89	-646.91	645.63	636.95	8.67	74.432	
2,200.00	2,199.93	2,207.02	2,214.18	5.70	3.30	-69.786	-13.39	-645.45	644.74	635.87	8.87	72.657	
2,216.00	2,215.93	2,225.70	2,232.85	5.71	3.33	-45.566	-13.47	-644.99	644.30	635.38	8.91	72.272	
2,300.00	2,299.92	2,311.31	2,318.45	5.85	3.44	-22.748	-13.50	-642.85	640.93	631.75	9.19	69.764	
2,311.00	2,310.91	2,323.98	2,331.10	5.87	3.45	-22.132	-13.47	-642.47	640.30	631.08	9.22	69.414	
2,400.00	2,399.83	2,411.94	2,419.03	6.07	3.56	-21.869	-12.95	-639.91	634.13	624.59	9.54	66.439	
2,406.00	2,405.82	2,417.60	2,424.68	6.08	3.57	-21.863	-12.87	-639.74	633.64	624.07	9.57	66.239	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report

PERMIAN

RESOURCES

Company:	Permian Resources	Local Co-ordinate Reference:	Well Batman Fed Com 201H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3641.38usft (H&P 296)
Reference Site:	Batman	MD Reference:	RKB @ 3641.38usft (H&P 296)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ST01 / 71612	Database:	USA Compass
Reference Design:	Plan 3 03-03-23	Offset TVD Reference:	Reference Datum

Offset Design: Batman Offsets (NAD27 - Grid) - Hamon Federal Com 1H - OH - Surveys													Offset Site Error: 0.00 usft
Survey Program: 23-GYD_G003_GC+DROP+OH, 7362-MWD													Offset Well Error: 1.00 usft
Reference	Offset	Semi Major Axis		Distance		Rule Assigned:		Warning					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
2,500.00	2,499.59	2,510.11	2,517.13	6.30	3.69	-19.414	-11.12	-636.86	624.62	614.71	9.91	63.024	
2,501.00	2,500.59	2,510.89	2,517.91	6.30	3.69	-19.396	-11.09	-636.84	624.52	614.60	9.91	62.992	
2,597.00	2,596.19	2,604.12	2,611.06	6.54	3.80	-19.385	-7.88	-634.76	614.09	603.81	10.28	59.763	
2,600.00	2,599.18	2,607.16	2,614.10	6.55	3.81	-19.389	-7.77	-634.69	613.73	603.44	10.29	59.661	
2,692.00	2,690.69	2,698.81	2,705.67	6.78	3.92	-19.502	-4.48	-632.56	602.64	592.00	10.64	56.636	
2,700.00	2,698.65	2,706.30	2,713.15	6.80	3.93	-19.828	-4.21	-632.38	601.67	591.00	10.67	56.381	
2,787.00	2,785.19	2,791.79	2,798.56	7.03	4.04	-23.463	-1.33	-630.32	591.17	580.16	11.01	53.684	
2,800.00	2,798.12	2,803.95	2,810.72	7.06	4.05	-23.076	-0.97	-630.06	589.64	578.58	11.06	53.293	
2,882.00	2,879.59	2,883.85	2,890.57	7.29	4.16	-21.048	1.25	-628.52	579.43	568.03	11.40	50.842	
2,900.00	2,897.46	2,901.75	2,908.46	7.35	4.18	-20.025	1.77	-628.20	577.03	565.55	11.47	50.287	
2,978.00	2,974.77	2,976.42	2,983.09	7.59	4.28	-16.213	3.71	-626.88	565.82	554.01	11.81	47.913	
3,000.00	2,996.56	3,000.21	3,006.87	7.65	4.31	-15.881	4.28	-626.49	562.49	550.58	11.91	47.234	
3,073.00	3,068.84	3,069.88	3,076.51	7.89	4.40	-14.759	6.01	-625.50	551.51	539.29	12.23	45.097	
3,100.00	3,095.57	3,098.31	3,104.93	7.97	4.43	-15.543	6.73	-625.10	547.48	535.13	12.35	44.324	
3,168.00	3,162.96	3,165.23	3,171.83	8.19	4.52	-17.686	8.38	-624.09	537.67	525.02	12.66	42.484	
3,200.00	3,194.68	3,195.92	3,202.50	8.30	4.56	-15.208	9.13	-623.62	533.13	520.32	12.80	41.645	
3,263.00	3,257.10	3,259.70	3,266.26	8.51	4.65	-10.576	10.51	-622.62	523.80	510.71	13.09	40.010	
3,300.00	3,293.74	3,295.03	3,301.58	8.63	4.70	-8.059	11.08	-622.01	518.02	504.76	13.27	39.045	
3,358.00	3,351.12	3,352.94	3,359.47	8.83	4.78	-4.462	11.23	-621.02	508.64	495.09	13.54	37.554	
3,400.00	3,392.66	3,394.56	3,401.09	8.98	4.83	-3.106	10.95	-620.32	501.78	488.03	13.75	36.498	
3,453.00	3,445.12	3,447.38	3,453.90	9.17	4.91	-1.268	10.31	-619.49	493.46	479.46	14.01	35.234	
3,500.00	3,491.65	3,492.21	3,498.72	9.34	4.97	-1.627	9.59	-618.81	486.11	471.87	14.24	34.147	
3,548.00	3,539.12	3,539.01	3,545.51	9.51	5.04	-1.988	8.81	-618.13	478.35	463.87	14.47	33.054	
3,600.00	3,590.47	3,589.71	3,596.19	9.71	5.11	-2.333	7.74	-617.41	469.49	454.75	14.74	31.853	
3,644.00	3,633.84	3,632.52	3,638.99	9.88	5.17	-2.619	6.84	-616.82	461.57	446.60	14.97	30.843	
3,700.00	3,689.00	3,688.49	3,694.93	10.09	5.25	-1.776	5.53	-616.18	451.34	436.09	15.25	29.592	
3,739.00	3,727.42	3,724.99	3,731.42	10.24	5.30	-1.173	4.67	-615.71	444.17	428.72	15.45	28.745	
3,800.00	3,787.47	3,786.24	3,792.66	10.48	5.39	-2.670	3.26	-614.87	432.73	416.96	15.77	27.444	
3,834.00	3,820.91	3,820.44	3,826.84	10.61	5.44	-3.474	2.58	-614.38	426.17	410.22	15.94	26.729	
3,900.00	3,885.76	3,886.19	3,892.57	10.87	5.53	-6.245	1.57	-613.19	412.84	396.55	16.29	25.344	
3,929.00	3,914.23	3,915.58	3,921.96	10.99	5.57	-7.437	1.14	-612.64	406.83	390.39	16.44	24.745	
4,000.00	3,983.87	3,984.53	3,990.89	11.27	5.67	-12.494	1.03	-611.33	391.92	375.10	16.81	23.308	
4,024.00	4,007.40	4,006.65	4,013.00	11.37	5.70	-14.134	1.44	-611.02	386.96	370.02	16.94	22.840	
4,100.00	4,081.87	4,081.89	4,088.22	11.68	5.80	-17.540	3.27	-609.99	371.17	353.84	17.34	21.407	
4,119.00	4,100.48	4,099.70	4,106.01	11.76	5.83	-18.385	3.73	-609.75	367.20	349.76	17.44	21.057	
4,200.00	4,179.76	4,175.66	4,181.95	12.10	5.93	-18.932	5.65	-609.09	350.58	332.71	17.86	19.625	
4,214.00	4,193.46	4,188.21	4,194.49	12.15	5.94	-19.025	5.98	-609.07	347.77	329.83	17.94	19.388	
4,300.00	4,277.54	4,271.15	4,277.41	12.52	6.05	-21.079	8.08	-609.23	330.73	312.34	18.38	17.991	
4,310.00	4,287.31	4,280.83	4,287.08	12.56	6.07	-21.322	8.34	-609.26	328.74	310.30	18.43	17.833	
4,400.00	4,375.41	4,366.58	4,372.81	12.94	6.18	-22.923	10.38	-609.83	311.94	293.05	18.89	16.511	
4,405.00	4,380.31	4,371.13	4,377.36	12.96	6.19	-23.017	10.48	-609.88	311.08	292.16	18.92	16.443	
4,500.00	4,473.56	4,465.20	4,471.40	13.35	6.31	-23.186	12.48	-610.98	295.18	275.80	19.39	15.227	
4,595.00	4,566.84	4,558.15	4,564.33	13.75	6.43	-24.678	14.33	-612.14	279.54	259.70	19.85	14.085	
4,600.00	4,571.75	4,563.05	4,569.23	13.77	6.44	-24.767	14.43	-612.20	278.71	258.84	19.87	14.025	
4,690.00	4,660.33	4,652.04	4,658.19	14.17	6.56	-26.454	16.23	-613.34	265.15	244.84	20.31	13.054	
4,700.00	4,670.20	4,661.49	4,667.63	14.21	6.57	-26.679	16.43	-613.46	263.79	243.43	20.36	12.956	
4,785.00	4,754.02	4,745.76	4,751.87	14.56	6.68	-28.703	18.21	-614.58	252.06	231.32	20.74	12.151	
4,800.00	4,768.81	4,760.47	4,766.58	14.63	6.70	-29.068	18.56	-614.78	249.97	229.16	20.81	12.012	
4,881.00	4,848.65	4,840.20	4,846.28	14.96	6.81	-31.137	20.40	-615.91	238.82	217.66	21.16	11.286	
4,900.00	4,867.37	4,858.95	4,865.02	15.04	6.84	-31.574	20.85	-616.22	236.26	215.02	21.24	11.123	
4,976.00	4,942.25	4,935.38	4,941.43	15.36	6.94	-33.466	22.62	-617.16	225.72	204.18	21.54	10.481	
5,000.00	4,965.88	4,959.05	4,965.09	15.46	6.97	-34.104	23.22	-617.36	222.29	200.66	21.63	10.278	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report

PERMIAN

RESOURCES

Company:	Permian Resources	Local Co-ordinate Reference:	Well Batman Fed Com 201H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3641.38usft (H&P 296)
Reference Site:	Batman	MD Reference:	RKB @ 3641.38usft (H&P 296)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ST01 / 71612	Database:	USA Compass
Reference Design:	Plan 3 03-03-23	Offset TVD Reference:	Reference Datum

Offset Design: Batman Offsets (NAD27 - Grid) - Hamon Federal Com 1H - OH - Surveys													Offset Site Error: 0.00 usft
Survey Program: 23-GYD_G003_GC+DROP+OH, 7362-MWD													Offset Well Error: 1.00 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		Distance		Warning					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,071.00	5,035.78	5,029.12	5,035.14	15.76	7.07	-36.124	24.84	-618.12	212.35	190.47	21.88	9.705	
5,100.00	5,064.32	5,057.86	5,063.86	15.88	7.11	-37.117	25.55	-618.43	208.28	186.30	21.98	9.478	
5,166.00	5,129.22	5,123.78	5,129.76	16.16	7.20	-39.537	27.16	-619.03	198.91	176.75	22.16	8.975	
5,200.00	5,162.65	5,156.87	5,162.85	16.31	7.24	-39.735	27.96	-619.26	194.05	171.80	22.25	8.720	
5,261.00	5,222.64	5,217.40	5,223.36	16.57	7.32	-40.117	29.52	-619.61	185.32	162.93	22.40	8.275	
5,300.00	5,261.01	5,256.05	5,262.00	16.73	7.38	-40.458	30.43	-619.77	179.78	157.31	22.47	8.000	
5,347.00	5,307.27	5,302.71	5,308.64	16.93	7.44	-40.944	31.43	-619.87	173.11	150.57	22.55	7.678	
5,400.00	5,359.42	5,359.30	5,365.21	17.16	7.52	-44.003	32.52	-619.22	165.17	142.62	22.55	7.325	
5,448.00	5,406.65	5,407.53	5,413.40	17.37	7.59	-47.116	33.34	-617.47	157.17	134.66	22.51	6.981	
5,500.00	5,457.79	5,458.38	5,464.20	17.59	7.66	-44.804	34.26	-615.50	148.37	125.92	22.46	6.607	
5,543.00	5,500.07	5,501.63	5,507.41	17.78	7.72	-43.066	35.20	-613.75	140.74	118.37	22.37	6.292	
5,600.00	5,556.08	5,558.09	5,563.78	18.03	7.80	-38.843	36.93	-611.20	129.59	107.33	22.26	5.822	
5,638.00	5,593.38	5,597.07	5,602.66	18.20	7.86	-36.635	38.33	-608.74	121.08	98.96	22.12	5.474	
5,700.00	5,654.21	5,657.31	5,662.71	18.47	7.94	-40.686	40.68	-604.57	106.81	84.98	21.84	4.891	
5,734.00	5,687.57	5,690.43	5,695.71	18.62	7.99	-43.396	42.05	-602.19	99.17	77.57	21.60	4.591	
5,800.00	5,752.35	5,754.34	5,759.39	18.91	8.08	-49.869	44.82	-597.49	85.02	64.07	20.95	4.058	
5,829.00	5,780.82	5,782.32	5,787.27	19.04	8.12	-53.370	46.09	-595.39	79.20	58.62	20.58	3.849	
5,900.00	5,850.56	5,851.01	5,855.68	19.34	8.22	-62.852	49.33	-590.08	66.32	46.80	19.52	3.398	
5,924.00	5,874.14	5,874.24	5,878.80	19.45	8.25	-66.912	50.49	-588.27	62.55	43.35	19.20	3.258	
6,000.00	5,948.95	5,948.15	5,952.38	19.78	8.35	-87.608	54.53	-582.56	54.14	34.89	19.25	2.812	
6,019.00	5,967.70	5,966.82	5,970.96	19.87	8.38	-93.397	55.70	-581.11	52.96	33.31	19.66	2.694	
6,075.99	6,024.03	6,022.68	6,026.53	20.11	8.46	-109.788	59.54	-576.93	51.51	29.87	21.64	2.380 CC	
6,100.00	6,047.80	6,046.14	6,049.86	20.22	8.49	-116.586	61.27	-575.21	51.78	29.13	22.64	2.287	
6,114.00	6,061.67	6,059.83	6,063.48	20.28	8.51	-120.490	62.29	-574.21	52.16	28.93	23.23	2.245 ES	
6,200.00	6,147.01	6,144.02	6,147.20	20.63	8.63	-140.869	68.67	-568.00	57.44	31.11	26.33	2.181 SF	
6,209.00	6,155.95	6,152.84	6,155.97	20.67	8.64	-142.774	69.34	-567.35	58.23	31.64	26.59	2.190	
6,300.00	6,246.38	6,241.58	6,244.19	21.03	8.77	-154.973	75.91	-560.50	68.42	39.87	28.55	2.396	
6,304.00	6,250.36	6,245.48	6,248.08	21.05	8.78	-155.419	76.19	-560.18	68.96	40.34	28.62	2.410	
6,400.00	6,345.85	6,339.48	6,341.52	21.43	8.91	-167.064	82.85	-552.40	82.50	52.70	29.79	2.769	
6,495.00	6,440.54	6,433.05	6,434.51	21.79	9.04	177.331	89.57	-544.52	95.55	65.03	30.52	3.131	
6,500.00	6,445.53	6,438.04	6,439.46	21.81	9.05	177.059	89.93	-544.10	96.20	65.64	30.56	3.148	
6,590.00	6,535.39	6,528.21	6,529.14	22.11	9.18	172.877	96.06	-536.91	106.83	75.75	31.08	3.437	
6,600.00	6,545.38	6,538.22	6,539.11	22.15	9.19	172.200	96.66	-536.21	107.86	76.72	31.13	3.464	
6,685.00	6,630.33	6,622.96	6,623.51	22.40	9.32	163.600	101.44	-530.43	115.50	83.99	31.51	3.666	
6,700.00	6,645.33	6,637.87	6,638.37	22.45	9.34	161.881	102.24	-529.43	116.69	85.13	31.57	3.697	
6,780.00	6,725.31	6,717.04	6,717.27	22.66	9.45	153.769	106.11	-524.13	123.23	91.39	31.84	3.870	
6,800.00	6,745.31	6,736.93	6,737.09	22.71	9.48	154.797	107.01	-522.72	124.97	93.05	31.91	3.916	
6,875.00	6,820.29	6,811.37	6,811.28	22.92	9.59	158.737	110.24	-517.53	131.53	99.36	32.17	4.088	
6,900.00	6,845.28	6,835.95	6,835.77	22.99	9.62	159.784	111.29	-515.74	133.82	101.57	32.25	4.149	
6,970.00	6,915.26	6,905.33	6,904.88	23.18	9.72	163.013	114.56	-510.54	140.37	107.88	32.48	4.321	
7,000.00	6,945.26	6,934.89	6,934.31	23.26	9.77	162.712	116.12	-508.27	143.22	110.65	32.57	4.397	
7,065.00	7,010.24	6,999.17	6,998.29	23.44	9.86	162.133	119.64	-503.18	149.55	116.78	32.76	4.564	
7,100.00	7,045.24	7,033.93	7,032.88	23.53	9.91	161.389	121.64	-500.41	153.00	120.13	32.87	4.655	
7,160.00	7,105.22	7,093.87	7,092.53	23.70	10.00	160.181	125.09	-495.63	158.97	125.92	33.05	4.810	
7,200.00	7,145.22	7,134.04	7,132.51	23.81	10.06	160.308	127.40	-492.57	162.85	129.67	33.18	4.908	
7,255.00	7,200.20	7,188.73	7,186.95	23.96	10.14	160.523	130.64	-488.41	168.23	134.89	33.34	5.046	
7,300.00	7,245.20	7,233.56	7,231.57	24.08	10.20	160.503	133.34	-485.04	172.63	139.16	33.46	5.159	
7,351.00	7,296.18	7,284.22	7,282.00	24.22	10.27	160.498	136.39	-481.22	177.68	144.08	33.61	5.287	
7,400.00	7,345.17	7,333.07	7,330.63	24.36	10.35	162.736	139.22	-477.59	182.49	148.74	33.75	5.408	
7,446.00	7,391.17	7,377.61	7,374.96	24.48	10.41	165.244	141.88	-474.13	187.15	153.34	33.81	5.536	
7,500.00	7,445.16	7,430.00	7,427.05	24.63	10.43	164.473	145.18	-469.75	192.96	159.09	33.87	5.698	
7,541.00	7,486.15	7,470.11	7,466.92	24.74	10.46	164.032	147.80	-466.18	197.62	163.69	33.93	5.825	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report

PERMIAN

RESOURCES

Company:	Permian Resources	Local Co-ordinate Reference:	Well Batman Fed Com 201H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3641.38usft (H&P 296)
Reference Site:	Batman	MD Reference:	RKB @ 3641.38usft (H&P 296)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ST01 / 71612	Database:	USA Compass
Reference Design:	Plan 3 03-03-23	Offset TVD Reference:	Reference Datum

Offset Design: Batman Offsets (NAD27 - Grid) - Hamon Federal Com 1H - OH - Surveys													Offset Site Error: 0.00 usft
Survey Program: 23-GYD_G003_GC+DROP+OH, 7362-MWD													Offset Well Error: 1.00 usft
Reference	Offset	Semi Major Axis		Distance		Rule Assigned:		Warning					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
7,600.00	7,545.14	7,529.04	7,525.50	24.90	10.51	166.078	151.63	-460.96	204.36	170.30	34.06	6.000	
7,636.00	7,581.13	7,564.97	7,561.22	25.00	10.55	167.337	153.92	-457.82	208.44	174.30	34.14	6.105	
7,700.00	7,645.13	7,628.74	7,624.62	25.17	10.61	169.740	157.97	-452.31	215.63	181.34	34.29	6.288	
7,731.00	7,676.12	7,659.83	7,655.53	25.25	10.65	171.152	159.93	-449.65	219.07	184.70	34.37	6.374	
7,800.00	7,745.11	7,729.78	7,725.12	25.42	10.73	172.872	164.21	-443.95	226.41	191.85	34.56	6.551	
7,826.00	7,771.11	7,755.76	7,750.97	25.49	10.76	173.618	165.76	-441.92	229.07	194.44	34.63	6.615	
7,900.00	7,845.10	7,828.51	7,823.35	25.67	10.86	173.601	170.35	-436.17	236.77	201.98	34.79	6.805	
7,921.00	7,866.10	7,849.13	7,843.86	25.73	10.88	173.602	171.73	-434.51	239.00	204.16	34.84	6.860	
8,000.00	7,945.09	7,926.62	7,920.89	25.92	11.00	176.050	177.32	-428.18	247.60	212.60	35.00	7.074	
8,016.00	7,961.09	7,942.52	7,936.68	25.96	11.02	176.551	178.55	-426.87	249.38	214.35	35.04	7.118	
8,100.00	8,045.08	8,026.74	8,020.37	26.17	11.15	174.206	184.99	-420.05	258.77	223.51	35.25	7.340	
8,112.00	8,057.08	8,038.94	8,032.50	26.20	11.18	173.918	185.91	-419.09	260.11	224.82	35.29	7.371	
8,200.00	8,145.07	8,128.77	8,121.83	26.42	11.33	-177.040	192.58	-412.46	269.56	234.01	35.55	7.582	
8,207.00	8,152.07	8,135.91	8,128.94	26.43	11.34	-176.324	193.10	-411.97	270.28	234.71	35.58	7.598	
8,300.00	8,245.06	8,230.28	8,222.88	26.64	11.51	-173.036	199.77	-405.87	279.27	243.43	35.85	7.791	
8,303.00	8,248.05	8,233.18	8,225.77	26.65	11.51	-172.883	199.97	-405.68	279.55	243.70	35.85	7.797	
8,398.00	8,343.05	8,325.26	8,317.41	26.87	11.68	-178.198	206.57	-399.56	288.93	252.86	36.07	8.010	
8,400.00	8,345.04	8,327.23	8,319.36	26.87	11.68	-178.216	206.71	-399.42	289.14	253.06	36.08	8.015	
8,493.00	8,438.03	8,418.67	8,410.36	27.09	11.85	-176.421	212.60	-392.59	298.98	262.63	36.35	8.226	
8,500.00	8,445.03	8,425.56	8,417.22	27.10	11.86	-175.652	213.01	-392.05	299.73	263.36	36.37	8.241	
8,589.00	8,534.03	8,513.50	8,504.73	27.29	12.05	-163.662	218.04	-384.99	309.25	272.58	36.68	8.432	
8,600.00	8,545.03	8,524.78	8,515.95	27.31	12.07	-165.217	218.68	-384.09	310.42	273.70	36.72	8.454	
8,684.00	8,629.02	8,611.52	8,602.31	27.48	12.25	-174.355	223.46	-377.54	319.09	282.03	37.07	8.609	
8,700.00	8,645.01	8,628.79	8,619.52	27.51	12.29	-171.116	224.39	-376.36	320.64	283.50	37.14	8.634	
8,780.00	8,725.01	8,714.12	8,704.60	27.64	12.47	-137.404	228.72	-371.60	327.00	289.54	37.47	8.728	
8,800.00	8,745.01	8,734.33	8,724.76	27.65	12.51	-130.390	229.71	-370.63	328.36	290.84	37.52	8.752	
8,875.00	8,820.00	8,807.51	8,797.78	27.69	12.67	-114.975	233.22	-367.15	333.40	295.72	37.67	8.850	
8,900.00	8,845.00	8,829.12	8,819.33	27.69	12.71	-110.570	234.17	-365.85	335.32	297.64	37.68	8.900	
8,970.00	8,914.99	8,894.55	8,884.52	27.68	12.85	-98.244	236.82	-360.98	341.43	303.66	37.77	9.039	
9,000.00	8,944.99	8,920.58	8,910.44	27.66	12.90	-100.206	237.73	-358.68	344.35	306.55	37.79	9.112	
9,066.00	9,010.98	8,968.73	8,958.20	27.64	13.03	-104.168	238.82	-352.85	352.62	314.85	37.77	9.336	
9,100.00	9,044.98	8,983.00	8,972.28	27.64	13.07	-107.537	238.98	-350.50	358.50	320.89	37.61	9.532	
9,161.00	9,105.97	9,030.00	9,018.07	27.64	13.25	-112.356	240.00	-340.03	372.10	334.35	37.75	9.857	
9,200.00	9,144.97	9,045.48	9,032.91	27.65	13.31	-115.693	240.63	-335.66	382.92	345.35	37.57	10.191	
9,256.00	9,200.96	9,076.00	9,061.78	27.67	13.42	-120.668	242.45	-325.96	401.25	363.77	37.48	10.706	
9,300.00	9,244.95	9,097.50	9,081.75	27.70	13.52	-128.194	244.36	-318.24	417.84	380.44	37.41	11.170	
9,351.00	9,295.95	9,123.00	9,104.92	27.75	13.64	-137.795	247.50	-308.07	439.52	402.17	37.34	11.770	
9,400.00	9,344.94	9,145.17	9,124.61	27.83	13.73	-154.500	250.97	-298.49	462.51	425.24	37.27	12.410	
9,446.00	9,390.93	9,172.00	9,147.90	27.91	13.85	-168.626	256.01	-286.16	485.85	448.53	37.32	13.019	
9,500.00	9,444.93	9,195.70	9,168.02	28.03	13.94	-169.598	261.31	-274.82	514.91	477.65	37.26	13.819	
9,541.00	9,485.92	9,219.00	9,187.45	28.12	14.03	-170.386	267.36	-263.48	538.01	500.70	37.30	14.423	
9,600.00	9,544.91	9,241.46	9,205.73	28.16	14.12	23.707	273.95	-252.21	572.23	535.08	37.15	15.402	
9,636.00	9,580.91	9,267.00	9,225.80	28.19	14.23	15.953	282.28	-238.80	593.75	556.51	37.24	15.946	
9,700.00	9,644.89	9,267.00	9,225.80	28.09	14.23	19.967	282.28	-238.80	633.05	596.31	36.73	17.233	
9,731.00	9,675.89	9,289.25	9,242.62	28.04	14.32	21.728	290.26	-226.61	652.65	615.85	36.79	17.738	
9,800.00	9,744.87	9,314.00	9,260.50	28.01	14.43	29.170	299.95	-212.52	698.62	661.91	36.71	19.030	
9,900.00	9,844.85	9,344.12	9,281.21	27.97	14.54	41.150	312.60	-194.68	768.96	732.34	36.62	20.998	
9,921.00	9,865.84	9,362.00	9,293.01	27.96	14.60	43.566	320.45	-183.79	784.39	747.69	36.71	21.370	
10,000.00	9,944.84	9,375.56	9,301.72	27.97	14.65	64.845	326.60	-175.41	843.12	806.47	36.65	23.006	
10,017.00	9,961.83	9,380.92	9,305.12	27.97	14.66	74.934	329.09	-172.09	856.09	819.43	36.66	23.352	
10,100.00	10,044.83	9,409.00	9,322.40	28.06	14.75	90.377	342.64	-154.59	920.55	883.76	36.79	25.022	
10,112.00	10,056.83	9,409.00	9,322.40	28.07	14.75	91.735	342.64	-154.59	930.00	893.22	36.79	25.280	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report



Company:	Permian Resources	Local Co-ordinate Reference:	Well Batman Fed Com 201H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3641.38usft (H&P 296)
Reference Site:	Batman	MD Reference:	RKB @ 3641.38usft (H&P 296)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ST01 / 71612	Database:	USA Compass
Reference Design:	Plan 3 03-03-23	Offset TVD Reference:	Reference Datum



Anticollision Report

PERMIAN

RESOURCES

Company:	Permian Resources	Local Co-ordinate Reference:	Well Batman Fed Com 201H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3641.38usft (H&P 296)
Reference Site:	Batman	MD Reference:	RKB @ 3641.38usft (H&P 296)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ST01 / 71612	Database:	USA Compass
Reference Design:	Plan 3 03-03-23	Offset TVD Reference:	Reference Datum

Offset Design: Batman Offsets (NAD83 - True) - Topaz 19 Federal Com 1 - OH - Surveys													Offset Site Error: 0.00 usft
Survey Program: 100-GYD_G003_GC+DROP+OH, 10082-MWD													Offset Well Error: 1.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Rule Assigned:		Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
20,000.00	11,075.06	11,556.33	11,460.31	75.45	16.64	-116.678	-9,578.10	179.06	985.24	898.24	86.99	11.325	
20,100.00	11,075.93	11,538.88	11,444.32	76.16	16.59	-115.510	-9,580.27	185.69	938.24	848.48	89.76	10.453	
20,200.00	11,076.81	11,520.94	11,427.82	76.87	16.54	-114.306	-9,582.53	192.38	899.70	807.44	92.27	9.751	
20,300.00	11,077.68	11,502.47	11,410.79	77.58	16.49	-113.066	-9,584.89	199.13	870.75	776.44	94.31	9.233	
20,400.00	11,078.55	11,483.46	11,393.21	78.30	16.43	-111.788	-9,587.36	205.93	852.33	756.64	95.69	8.907	
20,500.00	11,079.42	11,463.89	11,375.06	79.01	16.38	-110.471	-9,589.94	212.78	845.14	748.87	96.27	8.779	
20,512.61	11,079.53	11,461.38	11,372.73	79.10	16.37	-110.303	-9,590.27	213.65	845.05	748.77	96.28	8.777 CC, ES, SF	
20,600.00	11,080.29	11,446.51	11,358.90	79.73	16.33	-109.303	-9,592.26	218.74	849.45	753.45	95.99	8.849	
20,700.00	11,081.16	11,432.75	11,346.10	80.44	16.30	-108.378	-9,594.12	223.42	865.15	770.22	94.92	9.114	
20,800.00	11,082.03	11,418.62	11,332.95	81.16	16.27	-107.430	-9,596.06	228.23	891.65	798.49	93.16	9.571	
20,900.00	11,082.90	11,404.10	11,319.44	81.88	16.23	-106.457	-9,598.07	233.15	928.02	837.10	90.92	10.207	
21,000.00	11,083.77	11,389.17	11,305.55	82.60	16.19	-105.459	-9,600.17	238.20	973.14	884.75	88.39	11.010	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report

PERMIAN

RESOURCES

Company:	Permian Resources	Local Co-ordinate Reference:	Well Batman Fed Com 201H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3641.38usft (H&P 296)
Reference Site:	Batman	MD Reference:	RKB @ 3641.38usft (H&P 296)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ST01 / 71612	Database:	USA Compass
Reference Design:	Plan 3 03-03-23	Offset TVD Reference:	Reference Datum

Reference Depths are relative to RKB @ 3641.38usft (H&P 296)

Offset Depths are relative to Offset Datum

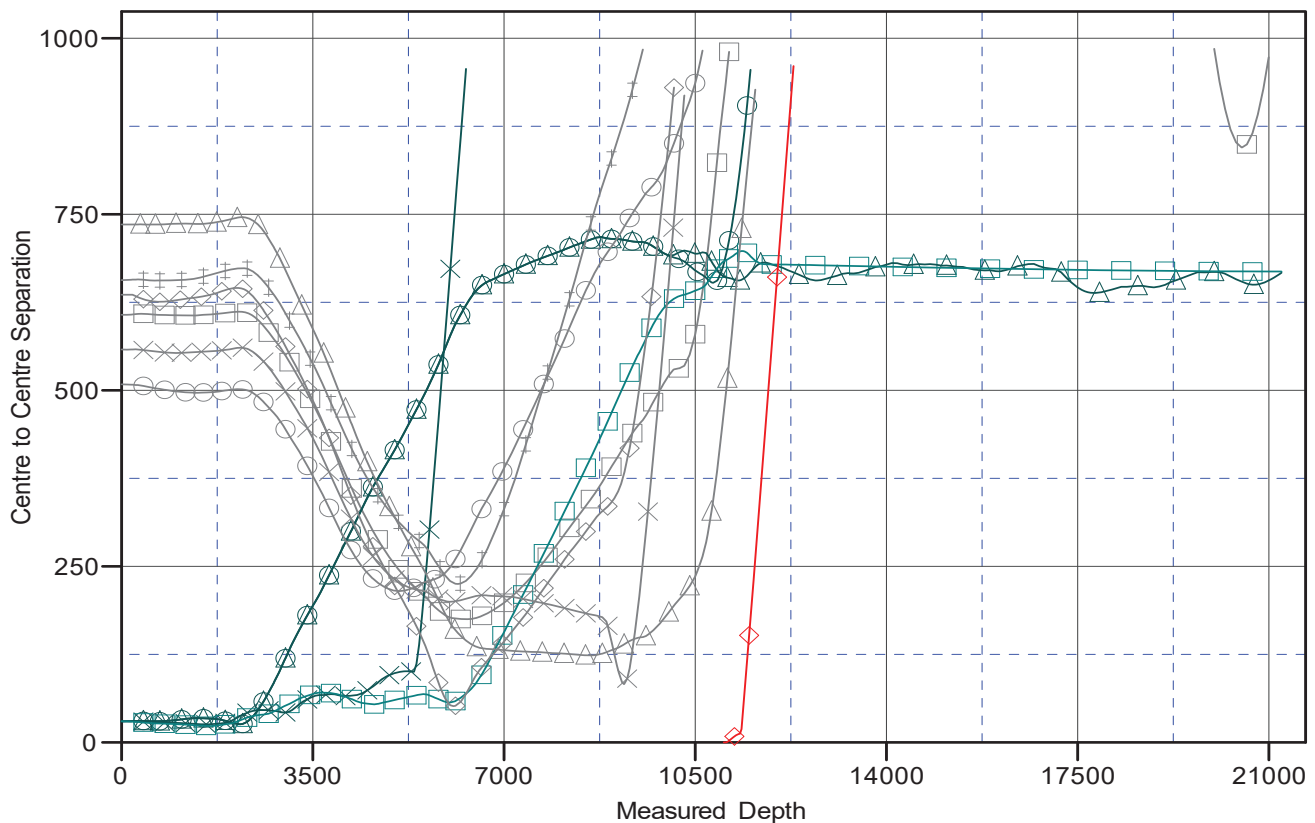
Central Meridian is 104° 19' 60.000000 W

Coordinates are relative to: Batman Fed Com 201H

Coordinate System is US State Plane 1983, New Mexico Eastern Zone

Grid Convergence at Surface is: 0.393°

Ladder Plot



LEGEND

Hamon A Fed Com 10H, OH, Surveys V0	Batman Fed Com 131H, OH / 71610, Plan 201-20-23 V0	Topaz 19 Federal Com 1, OH, Surveys V0
Batman Fed Com 132H, Plot / 71611, Surveys (H&P 296) V0	Batman Fed Com 201H, OH / 71612, Surveys (H&P 296) V0	Hamon A Federal Com 11H, OH, Surveys V0
Batman Fed Com 132H, ST01 / 71611, Surveys (H&P 296) V0	Hamon A Fed Com 12H, OH, Surveys V0	Hamon Fed Com A 2H, OH, Surveys V0
Batman Fed Com 131H, OH / 71610, Surveys (H&P 296) V0	Hamon Federal Com 1H, OH, Surveys V0	Hamon A Federal Com 9H, OH, Surveys V0

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report

PERMIAN

RESOURCES

Company:	Permian Resources	Local Co-ordinate Reference:	Well Batman Fed Com 201H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	RKB @ 3641.38usft (H&P 296)
Reference Site:	Batman	MD Reference:	RKB @ 3641.38usft (H&P 296)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ST01 / 71612	Database:	USA Compass
Reference Design:	Plan 3 03-03-23	Offset TVD Reference:	Reference Datum

Reference Depths are relative to RKB @ 3641.38usft (H&P 296)

Offset Depths are relative to Offset Datum

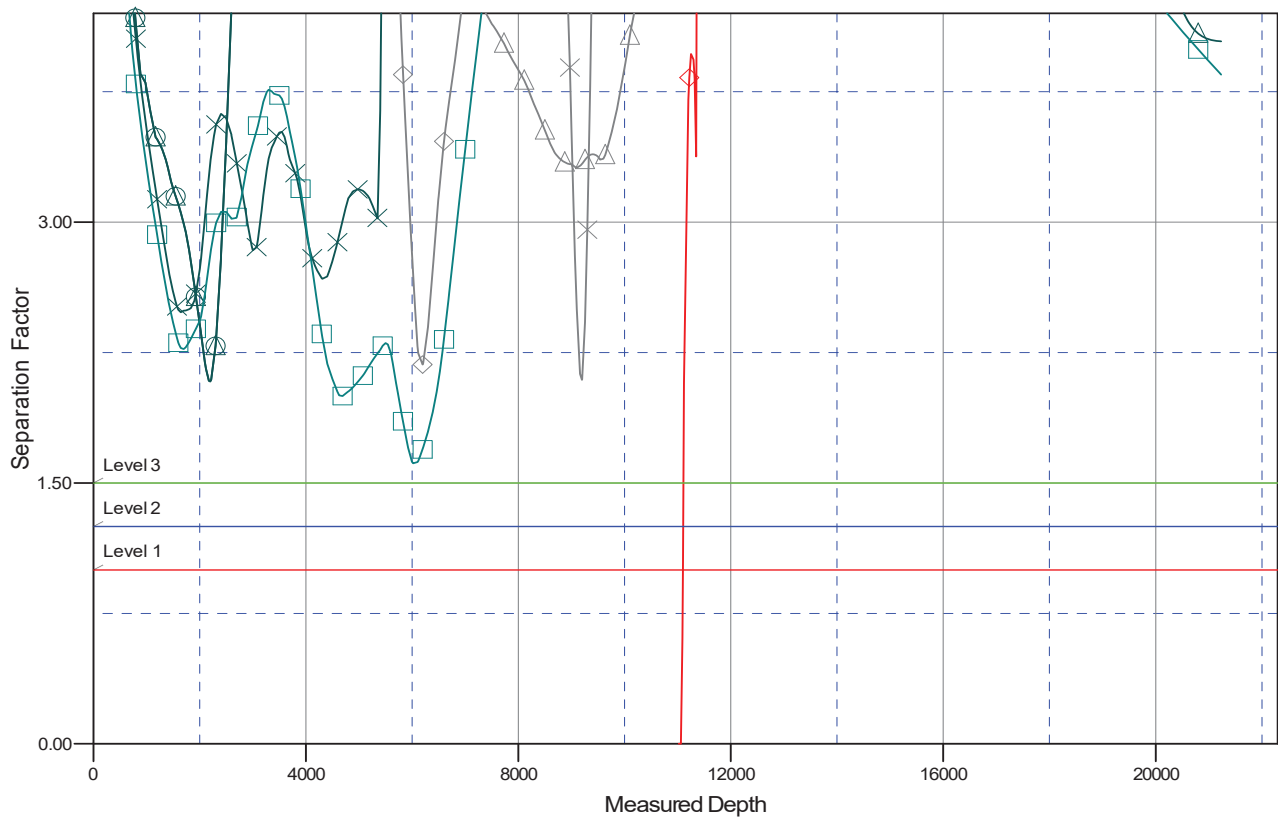
Central Meridian is 104° 19' 60.000000 W

Coordinates are relative to: Batman Fed Com 201H

Coordinate System is US State Plane 1983, New Mexico Eastern Zone

Grid Convergence at Surface is: 0.393°

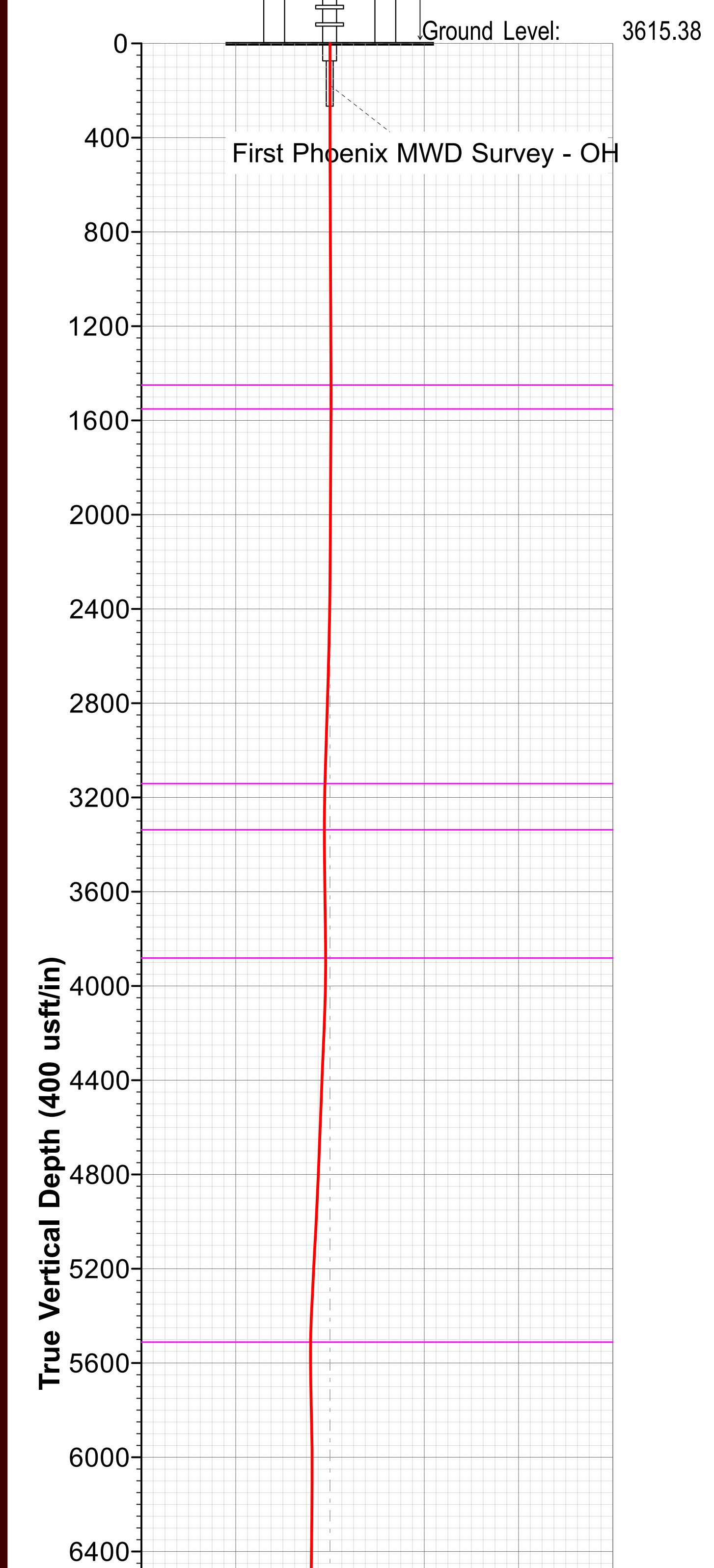
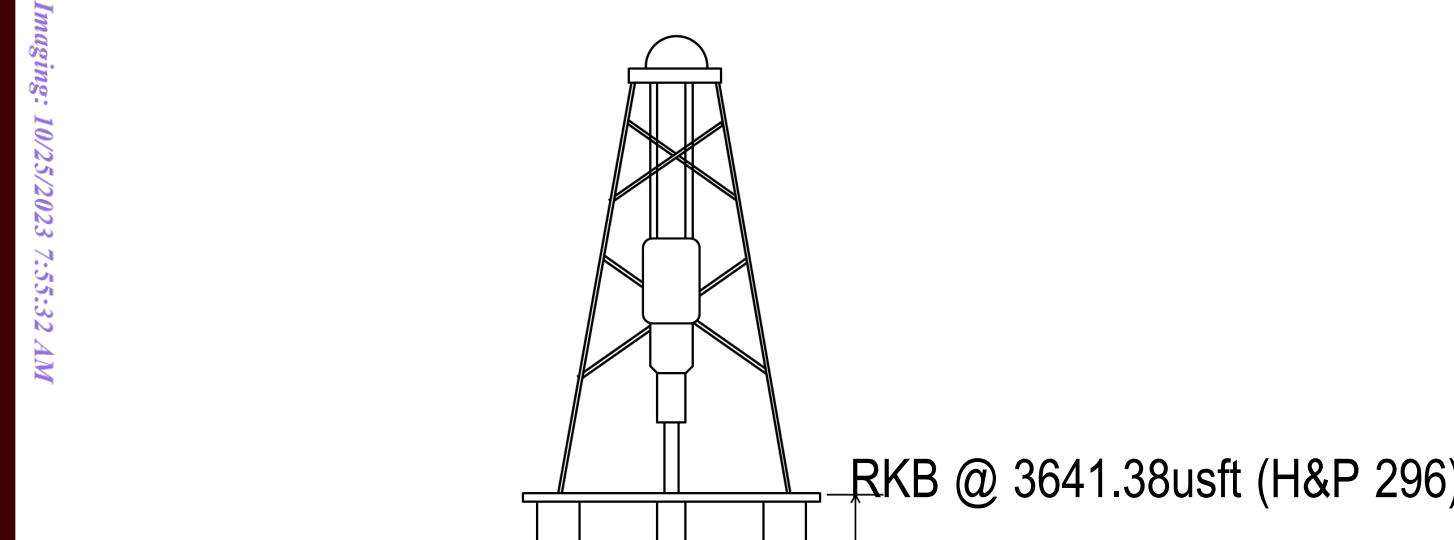
Separation Factor Plot



LEGEND

	Hamon A Fed Com 104, OH, Surveys V0		Batman Fed Com 131H, OH / 71610, Plan 201-20-23 V0		Topaz 19 Federal Com 1, OH, Surveys V0
	Batman Fed Com 132H, Plot / 71611, Surveys (H&P 296) V0		Batman Fed Com 201H, OH / 71612, Surveys (H&P 296) V0		Hamon A Federal Com 11H, OH, Surveys V0
	Batman Fed Com 132H, ST01 / 71611, Surveys (H&P 296) V0		Hamon A Fed Com 12H, OH, Surveys V0		Hamon Fed Com A 2H, OH, Surveys V0
	Batman Fed Com 131H, OH / 71610, Surveys (H&P 296) V0		Hamon Federal Com 1H, OH, Surveys V0		Hamon A Federal Com 9H, OH, Surveys V0

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

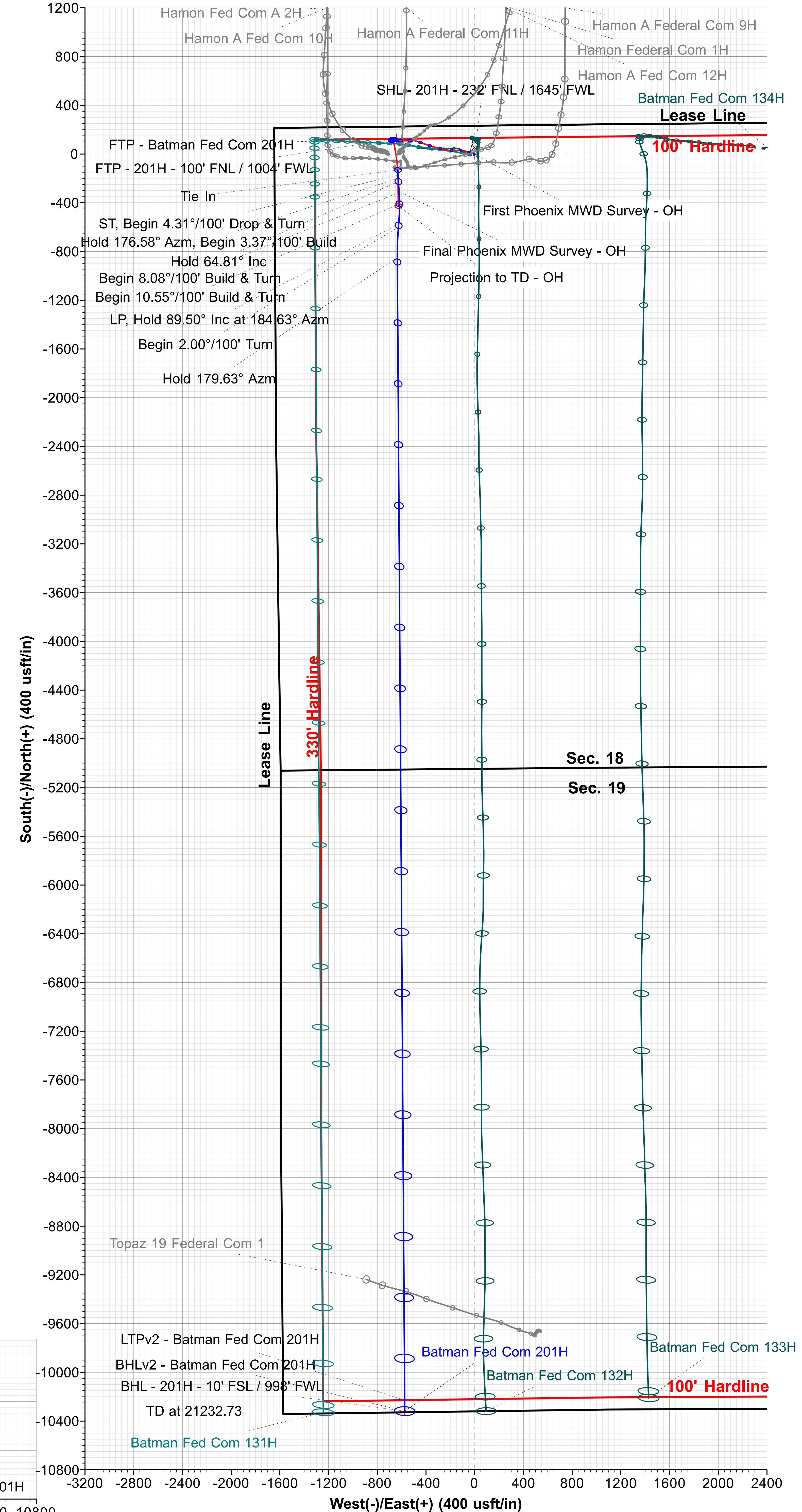
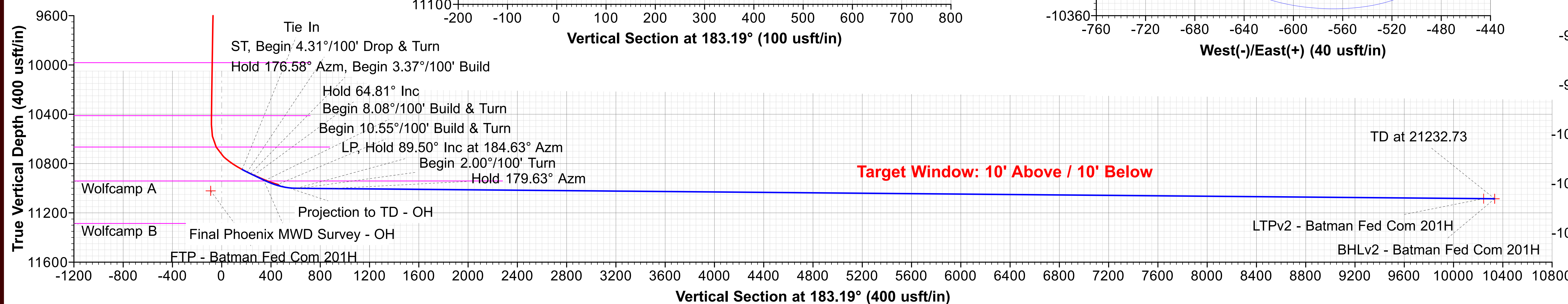
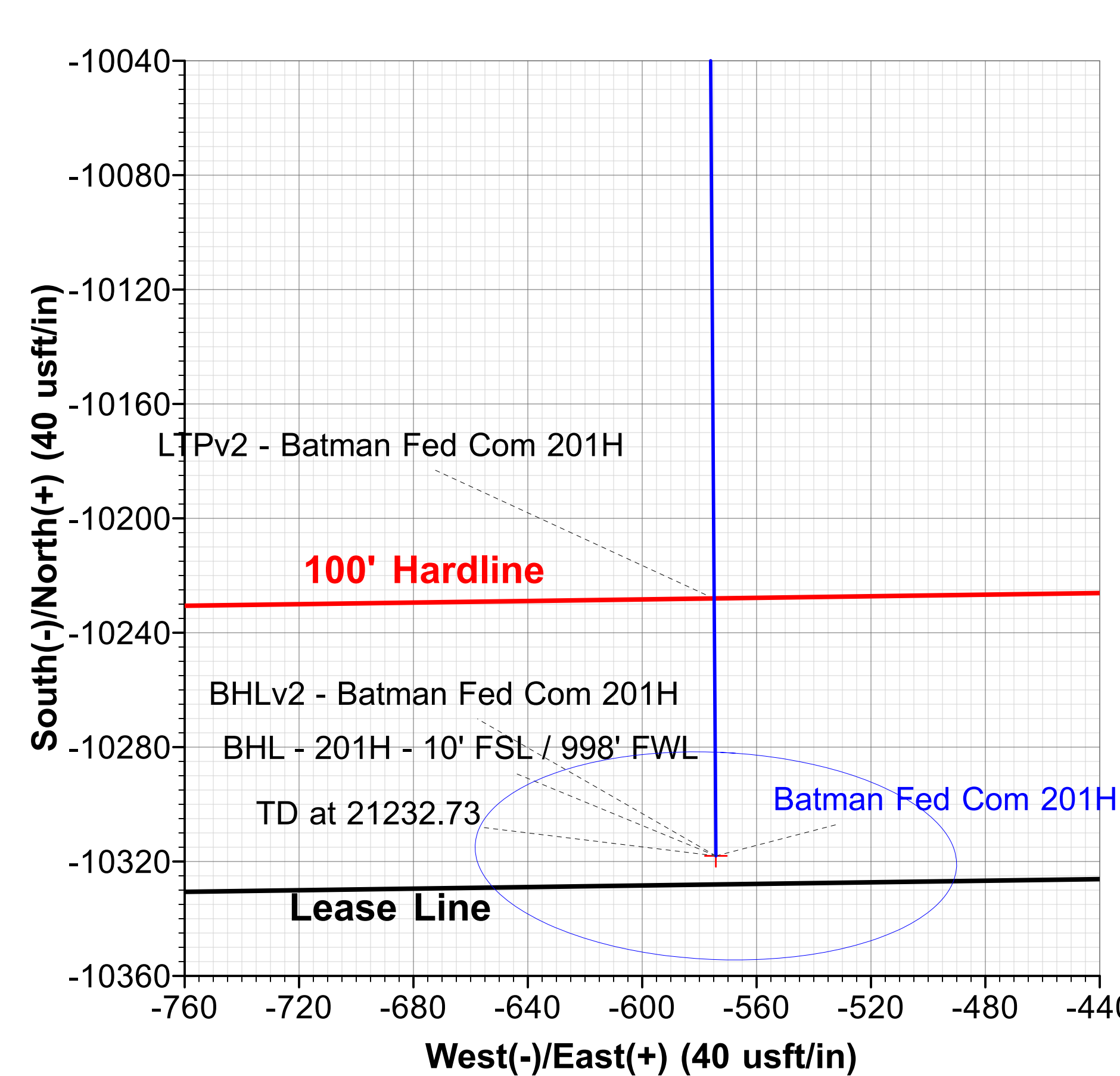
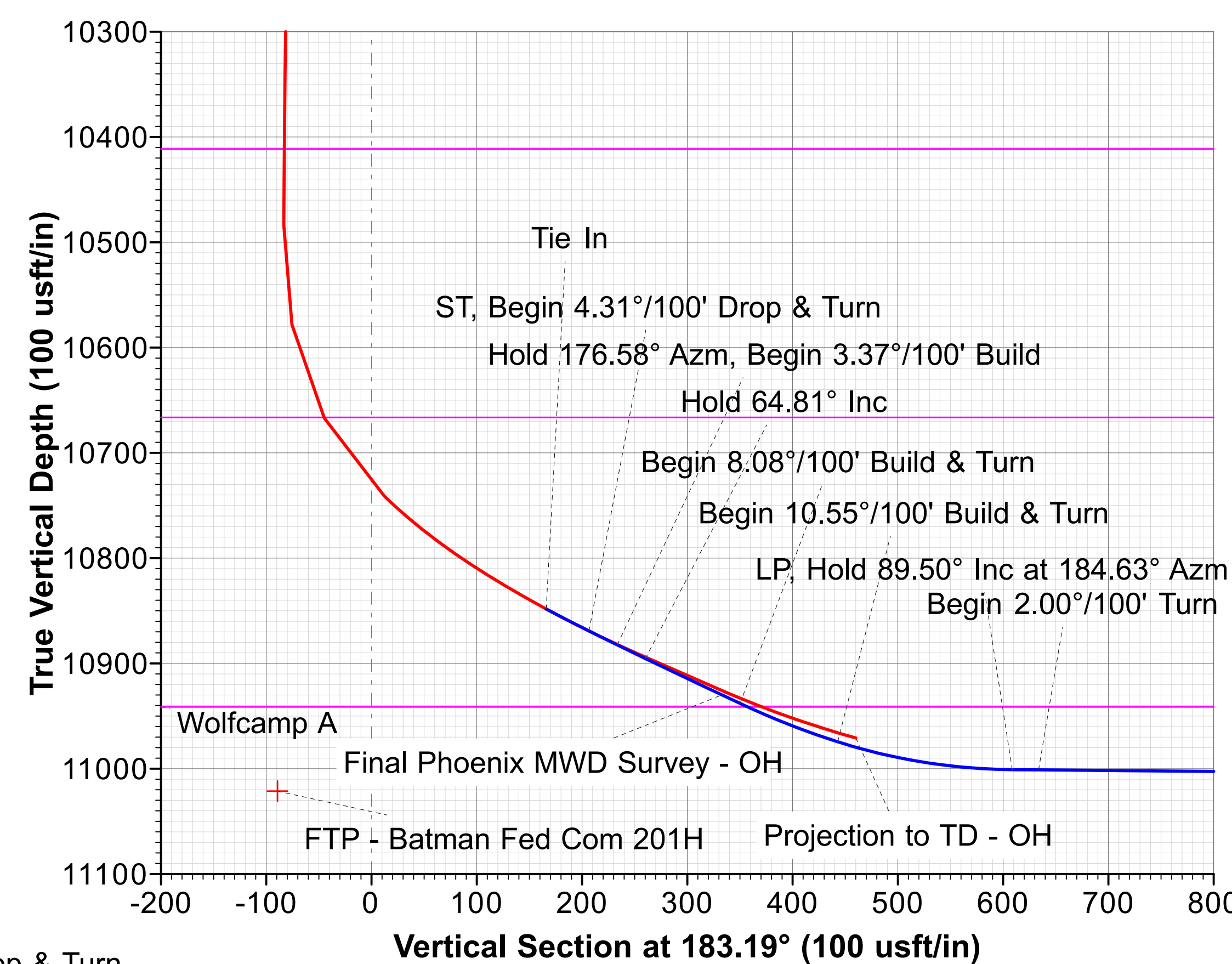
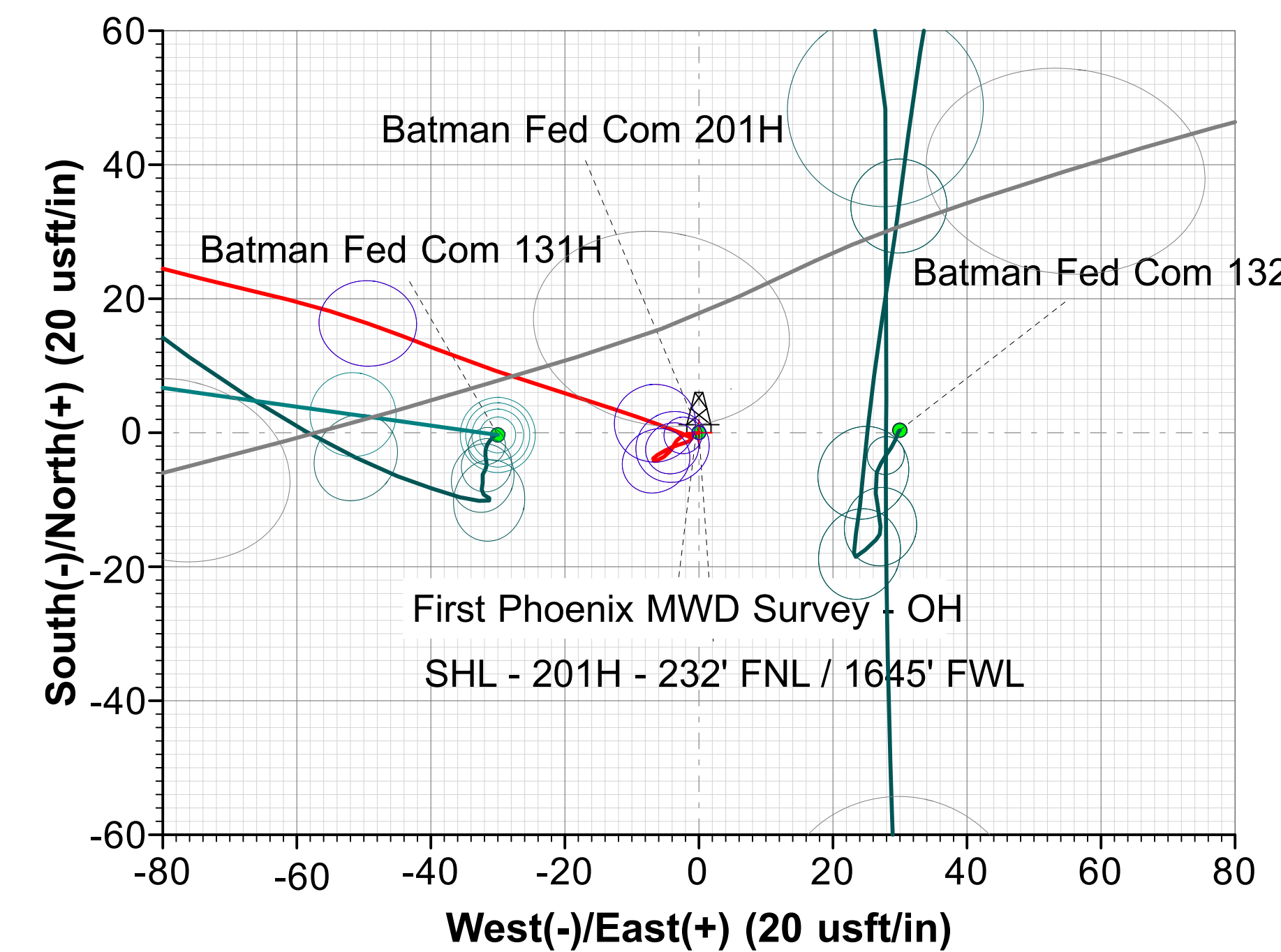


WELL DETAILS									
	+N/-S	+E/-W	Northing	Ground Level: 3615.38	Easting	Latitude	Longitude		
	0.00	0.00	575416.29	766344.84	32° 34' 47.101567 N	103° 36' 10.259460 W			

SECTION DETAILS									
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec
1	11014.00	61.99	175.46	10848.30	-130.98	-631.36	0.00	0.000	165.91
2	11060.00	63.90	178.02	10869.23	-171.88	-629.04	6.47	50.633	206.62
3	11090.00	63.80	176.58	10882.45	-198.78	-627.77	4.31	-94.780	233.40
4	11120.00	64.81	176.58	10895.46	-225.76	-626.16	3.37	0.000	260.26
5	11220.00	64.81	176.58	10938.02	-316.09	-620.77	8.08	0.000	350.14
6	11320.00	72.40	179.55	10974.47	-409.07	-617.69	8.08	20.540	442.81
7	11488.75	89.50	184.63	11000.93	-574.93	-623.92	10.55	16.829	608.76
8	11513.75	89.50	184.63	11001.15	-599.85	-625.94	0.00	0.000	633.75
9	11763.70	89.50	179.63	11003.33	-849.53	-635.23	2.00	-90.011	883.56
10	21232.73	89.50	179.63	11085.80	-10318.01	-574.23	0.00	0.000	10333.98

DESIGN TARGET DETAILS									
Name		TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	
SHL - 201H - 232' FNL / 1645' FWL		0.00	0.00	0.00	575416.29	766344.84	32° 34' 47.101567 N	103° 36' 10.259460 W	
FTP - 201H - 100' FNL / 1004' FWL		11021.38	125.17	-641.94	575541.46	765702.90	32° 34' 48.383634 N	103° 36' 17.751492 W	
FTP - Batman Fed Com 201H		11021.38	125.17	-641.94	575541.46	765702.90	32° 34' 48.383634 N	103° 36' 17.751492 W	
LTPv2 - Batman Fed Com 201H		11085.02	-10228.01	-574.92	565188.28	765769.92	32° 33' 5.937223 N	103° 36' 17.796207 W	
BHL - 201H - 10' FSL / 998' FWL		11085.80	-10318.01	-574.23	565098.28	765770.61	32° 33' 5.046649 N	103° 36' 17.795339 W	
BHLv2 - Batman Fed Com 201H		11085.80	-10318.01	-574.23	565098.28	765770.61	32° 33' 5.046649 N	103° 36' 17.795339 W	

Map System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone Name: New Mexico Eastern Zone
 Local Origin: Well Batman Fed Com 201H, Grid North
 Latitude: 32° 34' 47.101567 N
 Longitude: 103° 36' 10.259460 W
 Grid East: 766344.84
 Grid North: 575416.29
 Scale Factor: 1.000
 Geomagnetic Model: USER DEFINED
 Sample Date: 17-Mar-23
 Magnetic Declination: 6.278°
 Dip Angle from Horizontal: 60.382°
 Magnetic Field Strength: 47769.84054000nT
 To convert a Magnetic Direction to a Grid Direction, Add 5.885°
 To convert a Magnetic Direction to a True Direction, Add 6.278° East
 To convert a True Direction to a Grid Direction, Subtract 0.393°





Permian Resources

Lea County, NM (NAD83 NME)

Batman

Batman Fed Com 201H

ST01/ 71612

Plan: Plan 3 03-03-23

Standard Planning Report

03 March, 2023

PERMIAN
RESOURCES



Planning Report

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RESOURCES

Database:	USA Compass	Local Co-ordinate Reference:	Well Batman Fed Com 201H
Company:	Permian Resources	TVD Reference:	RKB @ 3641.38usft (H&P 296)
Project:	Lea County, NM (NAD83 NME)	MD Reference:	RKB @ 3641.38usft (H&P 296)
Site:	Batman	North Reference:	Grid
Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Wellbore:	ST01 / 71612		
Design:	Plan 3 03-03-23		

Project	Lea County, NM (NAD83 NME)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site		Batman			
Site Position:		Northing:	575,465.67 usft	Latitude:	32° 34' 47.432981 N
From:	Map	Easting:	768,646.92 usft	Longitude:	103° 35' 43.352088 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.397

Well	Batman Fed Com 201H					
Well Position	+N/-S	-49.38 usft	Northing:	575,416.29 usft	Latitude:	32° 34' 47.101568 N
	+E/-W	-2,302.09 usft	Easting:	766,344.83 usft	Longitude:	103° 36' 10.259460 W
Position Uncertainty		1.00 usft	Wellhead Elevation:		Ground Level:	3,615.38 usft

Wellbore	ST01 / 71612				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	User Defined	3/17/2023	6.278	60.381	47,769.84054000

Design	Plan 3 03-03-23				
Audit Notes:					
Version:		Phase:	PLAN	Tie On Depth:	11,014.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	183.19	

Plan Survey Tool Program	Date	3/3/2023			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	11,014.00	21,232.73	Plan 3 03-03-23 (ST01 / 71612)	MWD+IFR1+MS	
				OWSG MWD + IFR1 + Mult	



Planning Report

PERMIAN

RESOURCES

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Company:	Permian Resources	TVD Reference:	RKB @ 3641.38usft (H&P 296)
Project:	Lea County, NM (NAD83 NME)	MD Reference:	RKB @ 3641.38usft (H&P 296)
Site:	Batman	North Reference:	Grid
Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Wellbore:	ST01 / 71612		
Design:	Plan 3 03-03-23		

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
11,014.00	61.99	175.46	10,848.30	-130.98	-631.36	0.00	0.00	0.00	0.000	
11,060.00	63.90	178.02	10,869.23	-171.88	-629.04	6.47	4.15	5.57	50.633	
11,090.00	63.80	176.58	10,882.45	-198.78	-627.77	4.31	-0.34	-4.79	-94.780	
11,120.00	64.81	176.58	10,895.46	-225.76	-626.16	3.37	3.37	0.00	0.000	
11,220.00	64.81	176.58	10,938.02	-316.09	-620.77	0.00	0.00	0.00	0.000	
11,320.00	72.40	179.55	10,974.47	-409.07	-617.69	8.08	7.59	2.97	20.540	
11,488.75	89.50	184.63	11,000.93	-574.93	-623.92	10.55	10.13	3.01	16.829	
11,513.75	89.50	184.63	11,001.15	-599.85	-625.94	0.00	0.00	0.00	0.000	
11,763.70	89.50	179.63	11,003.33	-849.53	-635.23	2.00	0.00	-2.00	-90.011	
21,232.73	89.50	179.63	11,085.80	-10,318.01	-574.23	0.00	0.00	0.00	0.000	BHLv2 - Batman Fe



Planning Report

PERMIAN

RESOURCES

Database:	USA Compass	Local Co-ordinate Reference:	Well Batman Fed Com 201H
Company:	Permian Resources	TVD Reference:	RKB @ 3641.38usft (H&P 296)
Project:	Lea County, NM (NAD83 NME)	MD Reference:	RKB @ 3641.38usft (H&P 296)
Site:	Batman	North Reference:	Grid
Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Wellbore:	ST01 / 71612		
Design:	Plan 3 03-03-23		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,014.00	61.99	175.46	10,848.30	-130.98	-631.36	165.91	0.00	0.00	0.00
Tie In									
11,060.00	63.90	178.02	10,869.23	-171.88	-629.04	206.62	6.47	4.15	5.57
ST, Begin 4.31°/100' Drop & Turn									
11,090.00	63.80	176.58	10,882.45	-198.78	-627.77	233.40	4.31	-0.34	-4.79
Hold 176.58° Azm, Begin 3.37°/100' Build									
11,100.00	64.14	176.58	10,886.84	-207.75	-627.24	242.33	3.37	3.37	0.00
11,120.00	64.81	176.58	10,895.46	-225.76	-626.16	260.26	3.37	3.37	0.00
Hold 64.81° Inc									
11,200.00	64.81	176.58	10,929.51	-298.02	-621.85	332.17	0.00	0.00	0.00
11,220.00	64.81	176.58	10,938.02	-316.09	-620.77	350.14	0.00	0.00	0.00
Begin 8.08°/100' Build & Turn									
11,227.99	65.41	176.83	10,941.38	-323.32	-620.35	357.34	8.08	7.57	3.12
Wolfcamp A									
11,300.00	70.88	178.98	10,968.18	-390.09	-617.94	423.87	8.08	7.59	2.98
11,320.00	72.40	179.55	10,974.47	-409.07	-617.69	442.81	8.08	7.61	2.85
Begin 10.55°/100' Build & Turn									
11,400.00	80.50	182.02	10,993.20	-486.76	-618.79	520.44	10.55	10.12	3.09
11,488.75	89.50	184.63	11,000.93	-574.93	-623.92	608.76	10.55	10.14	2.94
LP, Hold 89.50° Inc at 184.63° Azm									
11,500.00	89.50	184.63	11,001.03	-586.14	-624.83	620.00	0.00	0.00	0.00
11,513.75	89.50	184.63	11,001.15	-599.85	-625.94	633.75	0.00	0.00	0.00
Begin 2.00°/100' Turn									
11,600.00	89.50	182.90	11,001.90	-685.90	-631.61	719.99	2.00	0.00	-2.00
11,700.00	89.50	180.90	11,002.77	-785.84	-634.93	819.95	2.00	0.00	-2.00
11,763.70	89.50	179.63	11,003.33	-849.53	-635.23	883.56	2.00	0.00	-2.00
Hold 179.63° Azm									
11,800.00	89.50	179.63	11,003.65	-885.83	-634.99	919.80	0.00	0.00	0.00
11,900.00	89.50	179.63	11,004.52	-985.83	-634.35	1,019.60	0.00	0.00	0.00
12,000.00	89.50	179.63	11,005.39	-1,085.82	-633.71	1,119.40	0.00	0.00	0.00
12,100.00	89.50	179.63	11,006.26	-1,185.81	-633.06	1,219.21	0.00	0.00	0.00
12,200.00	89.50	179.63	11,007.13	-1,285.81	-632.42	1,319.01	0.00	0.00	0.00
12,300.00	89.50	179.63	11,008.00	-1,385.80	-631.77	1,418.81	0.00	0.00	0.00
12,400.00	89.50	179.63	11,008.87	-1,485.80	-631.13	1,518.62	0.00	0.00	0.00
12,500.00	89.50	179.63	11,009.74	-1,585.79	-630.48	1,618.42	0.00	0.00	0.00
12,600.00	89.50	179.63	11,010.61	-1,685.79	-629.84	1,718.22	0.00	0.00	0.00
12,700.00	89.50	179.63	11,011.48	-1,785.78	-629.20	1,818.03	0.00	0.00	0.00
12,800.00	89.50	179.63	11,012.35	-1,885.77	-628.55	1,917.83	0.00	0.00	0.00
12,900.00	89.50	179.63	11,013.23	-1,985.77	-627.91	2,017.63	0.00	0.00	0.00
13,000.00	89.50	179.63	11,014.10	-2,085.76	-627.26	2,117.44	0.00	0.00	0.00
13,100.00	89.50	179.63	11,014.97	-2,185.76	-626.62	2,217.24	0.00	0.00	0.00
13,200.00	89.50	179.63	11,015.84	-2,285.75	-625.97	2,317.04	0.00	0.00	0.00
13,300.00	89.50	179.63	11,016.71	-2,385.74	-625.33	2,416.85	0.00	0.00	0.00
13,400.00	89.50	179.63	11,017.58	-2,485.74	-624.69	2,516.65	0.00	0.00	0.00
13,500.00	89.50	179.63	11,018.45	-2,585.73	-624.04	2,616.45	0.00	0.00	0.00
13,600.00	89.50	179.63	11,019.32	-2,685.73	-623.40	2,716.26	0.00	0.00	0.00
13,700.00	89.50	179.63	11,020.19	-2,785.72	-622.75	2,816.06	0.00	0.00	0.00
13,800.00	89.50	179.63	11,021.06	-2,885.71	-622.11	2,915.86	0.00	0.00	0.00
13,900.00	89.50	179.63	11,021.94	-2,985.71	-621.46	3,015.67	0.00	0.00	0.00
14,000.00	89.50	179.63	11,022.81	-3,085.70	-620.82	3,115.47	0.00	0.00	0.00
14,100.00	89.50	179.63	11,023.68	-3,185.70	-620.18	3,215.27	0.00	0.00	0.00
14,200.00	89.50	179.63	11,024.55	-3,285.69	-619.53	3,315.08	0.00	0.00	0.00
14,300.00	89.50	179.63	11,025.42	-3,385.69	-618.89	3,414.88	0.00	0.00	0.00



Planning Report

PERMIAN

RESOURCES

Database:	USA Compass	Local Co-ordinate Reference:	Well Batman Fed Com 201H
Company:	Permian Resources	TVD Reference:	RKB @ 3641.38usft (H&P 296)
Project:	Lea County, NM (NAD83 NME)	MD Reference:	RKB @ 3641.38usft (H&P 296)
Site:	Batman	North Reference:	Grid
Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Wellbore:	ST01 / 71612		
Design:	Plan 3 03-03-23		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
14,400.00	89.50	179.63	11,026.29	-3,485.68	-618.24	3,514.68	0.00	0.00	0.00
14,500.00	89.50	179.63	11,027.16	-3,585.67	-617.60	3,614.49	0.00	0.00	0.00
14,600.00	89.50	179.63	11,028.03	-3,685.67	-616.96	3,714.29	0.00	0.00	0.00
14,700.00	89.50	179.63	11,028.90	-3,785.66	-616.31	3,814.09	0.00	0.00	0.00
14,800.00	89.50	179.63	11,029.77	-3,885.66	-615.67	3,913.90	0.00	0.00	0.00
14,900.00	89.50	179.63	11,030.64	-3,985.65	-615.02	4,013.70	0.00	0.00	0.00
15,000.00	89.50	179.63	11,031.52	-4,085.64	-614.38	4,113.50	0.00	0.00	0.00
15,100.00	89.50	179.63	11,032.39	-4,185.64	-613.73	4,213.31	0.00	0.00	0.00
15,200.00	89.50	179.63	11,033.26	-4,285.63	-613.09	4,313.11	0.00	0.00	0.00
15,300.00	89.50	179.63	11,034.13	-4,385.63	-612.45	4,412.91	0.00	0.00	0.00
15,400.00	89.50	179.63	11,035.00	-4,485.62	-611.80	4,512.72	0.00	0.00	0.00
15,500.00	89.50	179.63	11,035.87	-4,585.61	-611.16	4,612.52	0.00	0.00	0.00
15,600.00	89.50	179.63	11,036.74	-4,685.61	-610.51	4,712.32	0.00	0.00	0.00
15,700.00	89.50	179.63	11,037.61	-4,785.60	-609.87	4,812.13	0.00	0.00	0.00
15,800.00	89.50	179.63	11,038.48	-4,885.60	-609.22	4,911.93	0.00	0.00	0.00
15,900.00	89.50	179.63	11,039.35	-4,985.59	-608.58	5,011.73	0.00	0.00	0.00
16,000.00	89.50	179.63	11,040.23	-5,085.59	-607.94	5,111.54	0.00	0.00	0.00
16,100.00	89.50	179.63	11,041.10	-5,185.58	-607.29	5,211.34	0.00	0.00	0.00
16,200.00	89.50	179.63	11,041.97	-5,285.57	-606.65	5,311.14	0.00	0.00	0.00
16,300.00	89.50	179.63	11,042.84	-5,385.57	-606.00	5,410.95	0.00	0.00	0.00
16,400.00	89.50	179.63	11,043.71	-5,485.56	-605.36	5,510.75	0.00	0.00	0.00
16,500.00	89.50	179.63	11,044.58	-5,585.56	-604.72	5,610.55	0.00	0.00	0.00
16,600.00	89.50	179.63	11,045.45	-5,685.55	-604.07	5,710.36	0.00	0.00	0.00
16,700.00	89.50	179.63	11,046.32	-5,785.54	-603.43	5,810.16	0.00	0.00	0.00
16,800.00	89.50	179.63	11,047.19	-5,885.54	-602.78	5,909.96	0.00	0.00	0.00
16,900.00	89.50	179.63	11,048.06	-5,985.53	-602.14	6,009.77	0.00	0.00	0.00
17,000.00	89.50	179.63	11,048.93	-6,085.53	-601.49	6,109.57	0.00	0.00	0.00
17,100.00	89.50	179.63	11,049.81	-6,185.52	-600.85	6,209.37	0.00	0.00	0.00
17,200.00	89.50	179.63	11,050.68	-6,285.52	-600.21	6,309.18	0.00	0.00	0.00
17,300.00	89.50	179.63	11,051.55	-6,385.51	-599.56	6,408.98	0.00	0.00	0.00
17,400.00	89.50	179.63	11,052.42	-6,485.50	-598.92	6,508.78	0.00	0.00	0.00
17,500.00	89.50	179.63	11,053.29	-6,585.50	-598.27	6,608.59	0.00	0.00	0.00
17,600.00	89.50	179.63	11,054.16	-6,685.49	-597.63	6,708.39	0.00	0.00	0.00
17,700.00	89.50	179.63	11,055.03	-6,785.49	-596.98	6,808.19	0.00	0.00	0.00
17,800.00	89.50	179.63	11,055.90	-6,885.48	-596.34	6,908.00	0.00	0.00	0.00
17,900.00	89.50	179.63	11,056.77	-6,985.47	-595.70	7,007.80	0.00	0.00	0.00
18,000.00	89.50	179.63	11,057.64	-7,085.47	-595.05	7,107.60	0.00	0.00	0.00
18,100.00	89.50	179.63	11,058.52	-7,185.46	-594.41	7,207.41	0.00	0.00	0.00
18,200.00	89.50	179.63	11,059.39	-7,285.46	-593.76	7,307.21	0.00	0.00	0.00
18,300.00	89.50	179.63	11,060.26	-7,385.45	-593.12	7,407.01	0.00	0.00	0.00
18,400.00	89.50	179.63	11,061.13	-7,485.44	-592.47	7,506.82	0.00	0.00	0.00
18,500.00	89.50	179.63	11,062.00	-7,585.44	-591.83	7,606.62	0.00	0.00	0.00
18,600.00	89.50	179.63	11,062.87	-7,685.43	-591.19	7,706.42	0.00	0.00	0.00
18,700.00	89.50	179.63	11,063.74	-7,785.43	-590.54	7,806.23	0.00	0.00	0.00
18,800.00	89.50	179.63	11,064.61	-7,885.42	-589.90	7,906.03	0.00	0.00	0.00
18,900.00	89.50	179.63	11,065.48	-7,985.42	-589.25	8,005.83	0.00	0.00	0.00
19,000.00	89.50	179.63	11,066.35	-8,085.41	-588.61	8,105.64	0.00	0.00	0.00
19,100.00	89.50	179.63	11,067.23	-8,185.40	-587.97	8,205.44	0.00	0.00	0.00
19,200.00	89.50	179.63	11,068.10	-8,285.40	-587.32	8,305.24	0.00	0.00	0.00
19,300.00	89.50	179.63	11,068.97	-8,385.39	-586.68	8,405.05	0.00	0.00	0.00
19,400.00	89.50	179.63	11,069.84	-8,485.39	-586.03	8,504.85	0.00	0.00	0.00
19,500.00	89.50	179.63	11,070.71	-8,585.38	-585.39	8,604.65	0.00	0.00	0.00
19,600.00	89.50	179.63	11,071.58	-8,685.37	-584.74	8,704.46	0.00	0.00	0.00
19,700.00	89.50	179.63	11,072.45	-8,785.37	-584.10	8,804.26	0.00	0.00	0.00



Planning Report

PERMIAN

RESOURCES

Database:	USA Compass	Local Co-ordinate Reference:	Well Batman Fed Com 201H
Company:	Permian Resources	TVD Reference:	RKB @ 3641.38usft (H&P 296)
Project:	Lea County, NM (NAD83 NME)	MD Reference:	RKB @ 3641.38usft (H&P 296)
Site:	Batman	North Reference:	Grid
Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Wellbore:	ST01 / 71612		
Design:	Plan 3 03-03-23		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
19,800.00	89.50	179.63	11,073.32	-8,885.36	-583.46	8,904.06	0.00	0.00	0.00	
19,900.00	89.50	179.63	11,074.19	-8,985.36	-582.81	9,003.87	0.00	0.00	0.00	
20,000.00	89.50	179.63	11,075.06	-9,085.35	-582.17	9,103.67	0.00	0.00	0.00	
20,100.00	89.50	179.63	11,075.93	-9,185.35	-581.52	9,203.47	0.00	0.00	0.00	
20,200.00	89.50	179.63	11,076.81	-9,285.34	-580.88	9,303.28	0.00	0.00	0.00	
20,300.00	89.50	179.63	11,077.68	-9,385.33	-580.23	9,403.08	0.00	0.00	0.00	
20,400.00	89.50	179.63	11,078.55	-9,485.33	-579.59	9,502.88	0.00	0.00	0.00	
20,500.00	89.50	179.63	11,079.42	-9,585.32	-578.95	9,602.69	0.00	0.00	0.00	
20,600.00	89.50	179.63	11,080.29	-9,685.32	-578.30	9,702.49	0.00	0.00	0.00	
20,700.00	89.50	179.63	11,081.16	-9,785.31	-577.66	9,802.29	0.00	0.00	0.00	
20,800.00	89.50	179.63	11,082.03	-9,885.30	-577.01	9,902.10	0.00	0.00	0.00	
20,900.00	89.50	179.63	11,082.90	-9,985.30	-576.37	10,001.90	0.00	0.00	0.00	
21,000.00	89.50	179.63	11,083.77	-10,085.29	-575.72	10,101.70	0.00	0.00	0.00	
21,100.00	89.50	179.63	11,084.64	-10,185.29	-575.08	10,201.51	0.00	0.00	0.00	
21,200.00	89.50	179.63	11,085.52	-10,285.28	-574.44	10,301.31	0.00	0.00	0.00	
21,232.73	89.50	179.63	11,085.80	-10,318.01	-574.23	10,333.98	0.00	0.00	0.00	
TD at 21232.73										

Design Targets										
Target Name										
- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
- Shape										
SHL - 201H - 232' FNI	0.00	0.00	0.00	0.00	0.00	575,416.29	766,344.83	2° 34' 47.10	1568 N 3° 36' 10.25	9460 W
- plan misses target center by 10867.45usft at 11014.00usft MD (10848.30 TVD, -130.98 N, -631.36 E)										
- Point										
FTP - 201H - 100' FNI	0.00	0.00	11,021.38	125.17	-641.94	575,541.46	765,702.89	2° 34' 48.38	3634 N 3° 36' 17.75	1492 W
- plan misses target center by 309.33usft at 11014.00usft MD (10848.30 TVD, -130.98 N, -631.36 E)										
- Point										
FTP - Batman Fed Co	0.00	0.00	11,021.38	125.17	-641.94	575,541.46	765,702.89	2° 34' 48.38	3634 N 3° 36' 17.75	1492 W
- plan misses target center by 309.33usft at 11014.00usft MD (10848.30 TVD, -130.98 N, -631.36 E)										
- Point										
LTPv2 - Batman Fed (	0.00	0.00	11,085.02	-10,228.01	-574.92	565,188.28	765,769.92	32° 33' 5.93	7223 N 3° 36' 17.79	6207 W
- plan misses target center by 0.11usft at 21142.73usft MD (11085.02 TVD, -10228.01 N, -574.81 E)										
- Point										
BHL - 201H - 10' FSL	0.00	0.00	11,085.80	-10,318.01	-574.23	565,098.28	765,770.61	32° 33' 5.04	6649 N 3° 36' 17.79	5339 W
- plan hits target center										
- Point										
BHLv2 - Batman Fed	0.00	0.00	11,085.80	-10,318.01	-574.23	565,098.28	765,770.61	32° 33' 5.04	6649 N 3° 36' 17.79	5339 W
- plan hits target center										
- Point										



Planning Report

PERMIAN

RESOURCES

Database:	USA Compass	Local Co-ordinate Reference:	Well Batman Fed Com 201H
Company:	Permian Resources	TVD Reference:	RKB @ 3641.38usft (H&P 296)
Project:	Lea County, NM (NAD83 NME)	MD Reference:	RKB @ 3641.38usft (H&P 296)
Site:	Batman	North Reference:	Grid
Well:	Batman Fed Com 201H	Survey Calculation Method:	Minimum Curvature
Wellbore:	ST01 / 71612		
Design:	Plan 3 03-03-23		

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,450.40	1,450.38	Rustler			
1,551.41	1,551.38	Top of Salt			
3,146.23	3,141.38	Base of Salt			
3,344.11	3,337.38	Yates			
3,895.54	3,881.38	Capitan			
5,554.50	5,511.38	DLWR Mnt. Group			
8,081.30	8,026.38	Lower Brushy Canyon			
8,406.34	8,351.38	Bone Spring Lime			
9,446.45	9,391.38	1st Bone Spring SD			
9,616.47	9,561.38	2nd Bone Spring LM			
10,036.55	9,981.38	2nd Bone Spring SD			
10,466.65	10,411.38	3rd Bone Spring LM			
10,728.20	10,666.38	3rd Bone Spring SD			
11,227.99	10,941.38	Wolfcamp A			

Plan Annotations

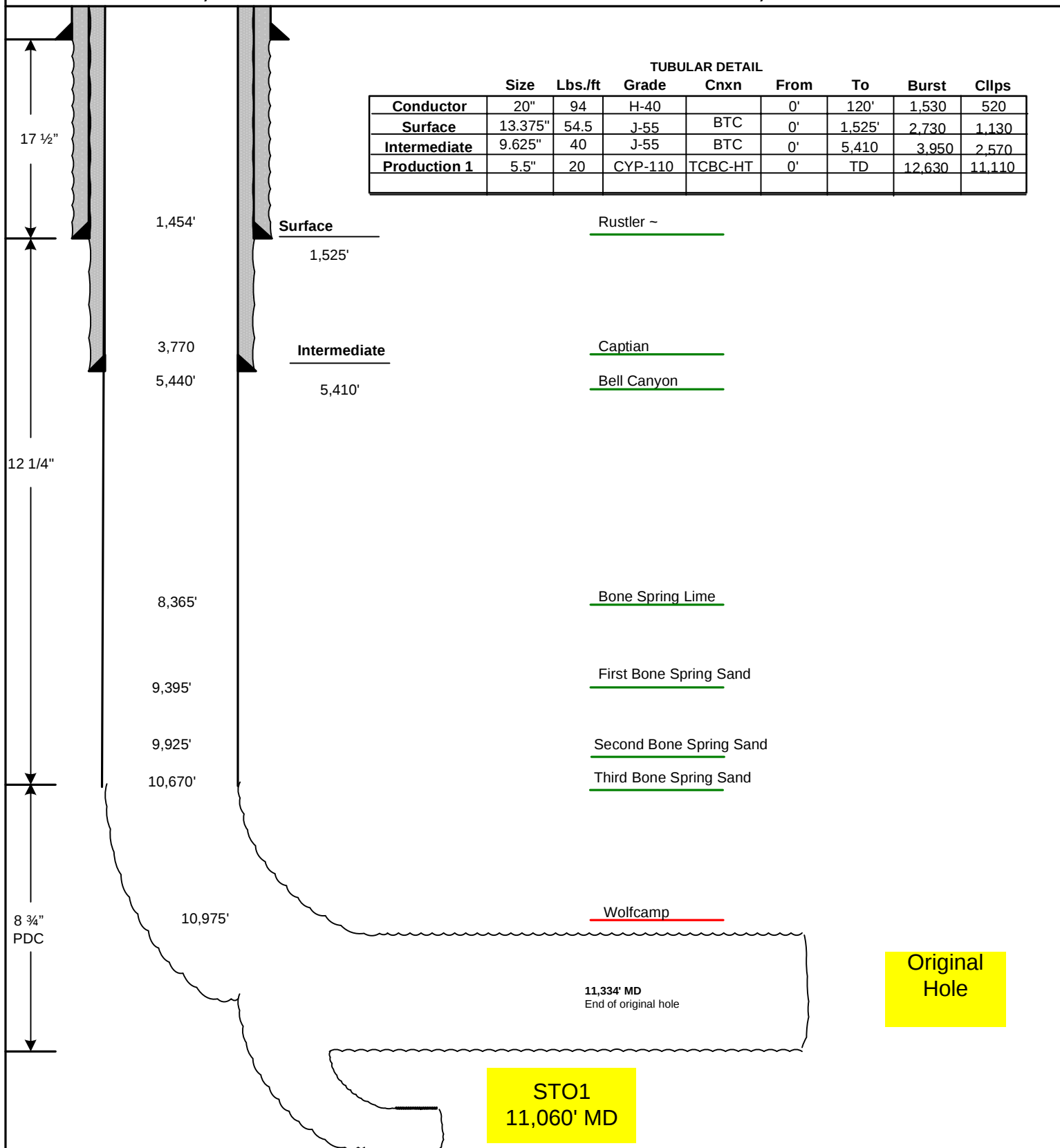
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
11,014.00	10,848.30	-130.98	-631.36	Tie In
11,060.00	10,869.23	-171.88	-629.04	ST, Begin 4.31°/100' Drop & Turn
11,090.00	10,882.45	-198.78	-627.77	Hold 176.58° Azm, Begin 3.37°/100' Build
11,120.00	10,895.46	-225.76	-626.16	Hold 64.81° Inc
11,220.00	10,938.02	-316.09	-620.77	Begin 8.08°/100' Build & Turn
11,320.00	10,974.47	-409.07	-617.69	Begin 10.55°/100' Build & Turn
11,488.75	11,000.93	-574.93	-623.92	LP, Hold 89.50° Inc at 184.63° Azm
11,513.75	11,001.15	-599.85	-625.94	Begin 2.00°/100' Turn
11,763.70	11,003.33	-849.53	-635.23	Hold 179.63° Azm
21,232.73	11,085.80	-10,318.01	-574.23	TD at 21232.73

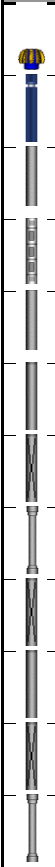
Permian Resources

WBD

Well : Batman Fed Com 201H API : 30-025-50968
 Area : Solomon
 County : Lea State : NM
 Location : Lot C, Section 18, T 20S R 34E; 232' FNL & 1,645' FWL
 BHL : Lot 4, Section 19, T 20S R 34E; 10' FSL & 998' FWL
 GL Elev : 3,615 ft MSL KB : 26 ft AGL KB Elev : 3,641 ft MSL

PERMIAN
 RESOURCES



BOTTOM HOLE ASSEMBLY										
Operator:		Permian Resources		Rig:		HP 296		Total Length:		3457.42 (Usft)
Well:		Batman Fed Com 201H		BHA #:		5		BHA Weight (Air/Mud):		0.00 / 0.00 (klbs)
Field:		Lea County, NM (NAD83 NME) - Permian Resources		Bit #:		5		Wt. Below Jars (Air/Mud):		0.00 / 0.00 (klbs)
Date In:				Depth In:		0		Total Drilled:		0.00 (Usft)
Date Out:				Depth Out:		0		Drilling / Circ Hours:		0.00 / 0.00
Survey Offset:		53		Gamma Offset:		52				
Proposed BHA	#	SN	Description	OD [in]	ID [in]	FN OD [in] / FN Len [Usft]	Cnx Up / Cnx Dn	Wt[lb/ft] / Comp Wt[klbs] / Tot Wt[klbs]	Length [Usft]	Total Length [Usft]
	1	5339900	8.75" Baker Hughes DD406TWHX	8.75			4 1/2 Reg		1	1
	2	24X675496	Phoenix 4/5 7.0 Fixed @ 2.38 Slick Sleeve	6.875		6.875 / 2.47	4 1/2 IF / 4 1/2 Reg		28.11	29.11
	3	PXGPC6759 64	6 1/2 NMPC	6.625	2.45		4 1/2 IF / 4 1/2 IF		14.78	43.89
	4	VG 650 244	6 1/2 MWD Carrier	6.625	2.875		4 1/2 IF / 4 1/2 IF		18.57	62.46
	5	DR40430	6.75 NMDC	6.5	3.25		4 1/2 IF / 4 1/2 IF		27.38	89.84
	6	SD118751	6.5" Float Sub	6.75	2.813		4 1/2 IF / 4 1/2 IF		4.12	93.96
	7	BD15328	ED49 Box X 4 1/2IF Pin Crossover	6.625	3.5		ED49 / 4 1/2 IF		3.54	97.5
	8	Rig 1	25 Stands 5.25" Drill Pipe	5.25	3.384		ED49 / ED49		2379.83	2477.33
	9	BD13053	4 1/2IF Box X ED49 Pin Crossover	6.625	3.5		4 1/2 IF / ED49		3.49	2480.82
	10	PG675-0230	DWS Agitator	6.75	3.75		4 1/2 IF / 4 1/2 IF		25.45	2506.27
	11	BD15327	ED49 Box X 4 1/2IF Pin Crossover	6.5	3		ED49 / 4 1/2 IF		3.52	2509.79
	12	Rig 2	10 Stands 5.25" HWDP	6.125	3		ED49 / ED49		947.63	3457.42
	13									

Comments	
Max Diff (De-Rated) - 1,580 / Max Torque - 9,090 / Max Rotary - 20 RPM / RPG - .49	

Bit Details								
Size [in]	Type	Description	TFA	Make	Model	Grade In	Grade Out	Drilled [Usft]
8.75		8.75" Baker Hughes DD406TWHX	1.18 (6x16)	Baker Hughes	DD406TWHX	New		0

Motor Details							
Description	Make / Model	Bit to Bend [Usft] / Bend	Stab OD[in]	Kick Pad OD[in]	Press. Loss [(psi)]	Max Diff Press. [(psi)]	
Phoenix 4/5 7.0 Fixed @ 2.38		5.26 / 2.38	0	7.19	0	1580	
Max Torque[kft-lbs]	Avg Diff Press [(psi)]	Max RPM	Flow Range	Rev/Gal	Bend Housing	Bearing Type	
9090	0	20	300 -600	0.49	FBH	Sealed	
Pre Run Dyno HP%	Stator Vendor	Stator Type	Stator Fit	Re-Run	Direct Bill		
			-0.012	NO	NO		

MWD Details						
MWD Type	Orifice	Orifice Type	Poppet	Make	Model	Fin Size
Pulser SN	Driver SN	Dir. Module SN	Battery 1 SN	Battery 2 SN	Battery 3 SN	Helix SN
Gamma SN	EM SN	Pulse Width	Data Rate	EM Power	EM Freq	Retrievable
Plug In Date	Plug In Time	Plug Out Date	Plug Out Time	Plug In Hrs		

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 258921

CONDITIONS

Operator: Permian Resources Operating, LLC 1001 17th Street, Suite 1800 Denver, CO 80202	OGRID: 372165
	Action Number: 258921
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	10/25/2023