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State of New Mexico
Energy, Minerals and Natural Resources

Online Phone Directory Visit:
<https://www.emnrd.nm.gov/ocd/contact-us/>

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-015-55901
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
2. Name of Operator Burnett Oil Company Inc.		6. State Oil & Gas Lease No. 335042
3. Address of Operator 801 Cherry Street, Unit #9 Fort Worth, TX 76102		7. Lease Name or Unit Agreement Name The Horned Frog
4. Well Location Unit Letter <u>1</u> : <u>1286</u> feet from the <u>North</u> line and <u>809</u> feet from the <u>West</u> line Section <u>19</u> Township <u>18S</u> Range <u>27E</u> NMPM County <u>Eddy</u>		8. Well Number <u>32H</u>
		9. OGRID Number <u>3080</u>
		10. Pool name or Wildcat Asoka; Glorietta-Yeso
		11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3289.9'

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input checked="" type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL <input type="checkbox"/> DOWNHOLE COMMINGLE <input type="checkbox"/> CLOSED-LOOP SYSTEM <input type="checkbox"/> OTHER: Name change, footage call changes, dedicated acreage change <input checked="" type="checkbox"/>		SUBSEQUENT REPORT OF: REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> P AND A <input type="checkbox"/> CASING/CEMENT JOB <input type="checkbox"/> OTHER: <input type="checkbox"/>	
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13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Burnett is requesting a name change from "The Horned Frog 15H" to "The Horned Frog 32H".

All Changes made to SHL, BHL, FTP, LTP, etc. are reflected in amended C-102 filed as an attachment to this C-103. These changes are necessary due to interest owner discussions and changing from two 640 acre DSU's to three 320 acre DSU:
SHL: Change UL from 2 to 1; Change 2638' FNL, 800' FWL to 1286' FNL, 809' FWL; BHL: Change from 2639' FNL, 101' FWL to 1980' FNL, 101' FWL; FTP: Change 2639' FNL, 101' FEL to 1980' FNL, 101' FEL; LTP: Change 2639' FNL, 101' FWL to 1980' FNL, 101' FWL; Change GL Elevation from 3283.8' to 3289.9'.

All required documents are attached, including new C-102, Standard Planning Report, Anti-Collision Report, Well Plan diagram, Drilling Plan, NGMP & H2S Plan and Training. Drilling is anticipated to begin in late January or early February, 2026.

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Randy Bolles TITLE Regulatory Consultant DATE 12/10/2025

Type or print name Randy Bolles E-mail address: rbolles@cox.net PHONE: 405-738-0183

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____ Conditions of Approval (if any): _____

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024 Submittal Type: <input type="checkbox"/> Initial Submittal <input checked="" type="checkbox"/> Amended Report <input type="checkbox"/> As Drilled
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WELL LOCATION INFORMATION

API Number 30-015-55901	Pool Code 3250	Pool Name ATOKA; GLORIETTA-YESO
Property Code 335042	Property Name THE HORNE D FROG	
OGRID No. 3080	Operator Name BURNETT OIL COMPANY INC.	Well Number 32H
Surface Owner: <input type="checkbox"/> State <input checked="" type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal		Ground Level Elevation 3289.9'
Mineral Owner: <input type="checkbox"/> State <input checked="" type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal		

Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
1	19	18-S	27-E		1286 FNL	809 FWL	32.737025°N	104.324094°W	EDDY

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
E	24	18-S	26-E		1980 FNL	101 FWL	32.735090°N	104.343637°W	EDDY

Dedicated Acres 320	Infill or Defining Well Infill	Defining Well API N/A	Overlapping Spacing Unit (Y/N) N	Consolidation Code P
Order Numbers. R-23931			Well setbacks are under Common Ownership: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
1	19	18-S	27-E		1286 FNL	809 FWL	32.737025°N	104.324094°W	Eddy

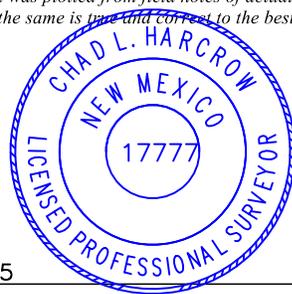
First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
H	24	18-S	26-E		1980 FNL	101 FEL	32.735109°N	104.327081°W	EDDY

Last Take Point (LTP)

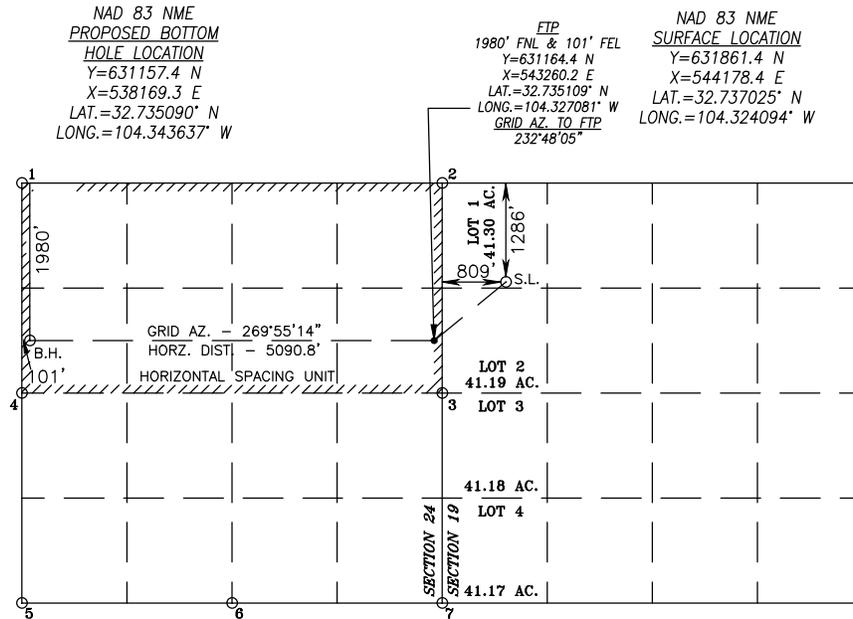
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
E	24	18-S	26-E		1980 FNL	101 FWL	32.735090°N	104.343637°W	EDDY

Unitized Area or Area of Uniform Interest R-23931 (Infill)	Spacing Unit Type <input checked="" type="checkbox"/> Horizontal <input type="checkbox"/> Vertical	Ground Floor Elevation: 3289.9'
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<p>OPERATOR CERTIFICATIONS</p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i></p> <p><i>If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.</i></p>	<p>SURVEYOR CERTIFICATIONS</p> <p><i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i></p> <div style="text-align: right;">  </div> <p style="text-align: right;"><i>Chad Harcrow</i> 6/11/25</p>
Signature: <i>Randy Bolles</i> Date: 12/10/25 Printed Name: Randy Bolles Email Address: rbolles@cox.net	Signature and Seal of Professional Surveyor Certificate Number: 17777 Date of Survey: JUNE 4, 2025
	W.O.#25-615 DRAWN BY: WN PAGE 1 OF 2

This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is directionally drilled, with the dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other than the First Take Point or Last Take Point) that is closest to any outer boundary of the tract.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed, contact the OCD Engineering Bureau. Independent subdivision surveys will not be acceptable.



NAD 83 NME
PROPOSED BOTTOM
 HOLE LOCATION
 Y=631157.4 N
 X=538169.3 E
 LAT.=32.735090° N
 LONG.=104.343637° W

FTP
 1980' FNL & 101' FEL
 Y=631164.4 N
 X=543260.2 E
 LAT.=32.735109° N
 LONG.=104.327081° W
GRID AZ. TO FTP
 232'48'05"

NAD 83 NME
SURFACE LOCATION
 Y=631861.4 N
 X=544178.4 E
 LAT.=32.737025° N
 LONG.=104.324094° W

POINT LEGEND	
1	Y=633137.3 N X=538096.6 E
2	Y=633144.6 N X=543384.3 E
3	Y=630477.0 N X=543353.2 E
4	Y=630499.3 N X=538058.9 E
5	Y=627861.4 N X=538021.3 E
6	Y=627835.4 N X=540671.7 E
7	Y=627809.5 N X=543322.0 E

BURNETT OIL CO., INC.

Burnett Oil Company

Eddy County, New Mexico (NAD83)

Aggie/Horned Frog/Maverick

The Horned Frog 32H

Wellbore #1

Design #1

Anticollision Report

11 June, 2025



Stryker Directional
Anticollision Report



BURNETT OIL CO., INC.

Company:	Burnett Oil Company	Local Co-ordinate Reference:	Well The Horned Frog 32H
Project:	Eddy County, New Mexico (NAD83)	TVD Reference:	RKB @ 3309.00usft
Reference Site:	Aggie/Horned Frog/Maverick	MD Reference:	RKB @ 3309.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	The Horned Frog 32H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000 Server
Reference Design:	Design #1	Offset TVD Reference:	Reference Datum

Reference	Design #1		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD Interval 100.00usft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum ellipse separation of 1,000.00 usft	Error Surface:	Pedal Curve
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program	Date	6/11/2025		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	9,405.32	Design #1 (Wellbore #1)	MWD+HRGM	OWSG MWD + HRGM

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Aggie/Horned Frog/Maverick						
The Aggie 1H - Wellbore #1 - Design #1	2,882.60	4,509.40	968.33	927.94	23.978	CC, ES
The Aggie 1H - Wellbore #1 - Design #1	2,900.00	4,504.55	968.63	928.10	23.897	SF
The Aggie 2H - Wellbore #1 - Design #1	3,066.37	4,321.95	157.56	118.06	3.989	CC, ES
The Aggie 2H - Wellbore #1 - Design #1	3,100.00	4,311.91	161.45	119.77	3.873	SF
The Aggie 31H - Wellbore #1 - Design #1	3,129.60	4,778.14	820.71	783.45	22.025	CC, ES
The Aggie 31H - Wellbore #1 - Design #1	3,200.00	4,749.34	826.07	787.75	21.558	SF
The Aggie 32H - Wellbore #1 - Design #1	4,143.99	4,178.12	48.56	26.56	2.207	CC, ES
The Aggie 32H - Wellbore #1 - Design #1	4,200.00	4,128.55	55.04	27.72	2.015	SF
The Aggie 3H - Wellbore #1 - Design #1	4,300.00	3,736.12	380.35	351.90	13.367	SF
The Aggie 3H - Wellbore #1 - Design #1	4,505.10	3,600.00	350.78	325.84	14.066	CC, ES
The Horned Frog 1H - Wellbore #1 - Design #1	1,500.00	1,500.00	60.14	50.62	6.315	CC, ES
The Horned Frog 1H - Wellbore #1 - Design #1	1,600.00	1,598.19	61.62	51.63	6.165	SF
The Horned Frog 2H - Wellbore #1 - Design #1	2,310.21	2,310.26	20.03	8.03	1.668	CC, ES, SF
The Horned Frog 31H - Wellbore #1 - Design #1	1,800.00	1,800.00	40.00	29.48	3.801	CC, ES
The Horned Frog 31H - Wellbore #1 - Design #1	1,900.00	1,899.08	41.12	30.21	3.768	SF
The Horned Frog 3H - Wellbore #1 - Design #1	1,500.00	1,500.00	19.90	10.38	2.090	CC, ES, SF
The Maverick 1H - Wellbore #1 - Design #1	9,405.32	9,105.90	1,053.22	792.01	4.032	CC, ES, SF
The Maverick 2H - Wellbore #1 - Design #1	9,405.32	8,854.21	1,999.05	1,729.19	7.408	CC, ES, SF
The Maverick 31H - Wellbore #1 - Design #1	9,405.32	9,288.88	1,317.86	1,045.92	4.846	CC, ES, SF
The Maverick 32H - Wellbore #1 - Design #1	4,104.45	3,050.00	2,350.73	2,324.97	91.267	CC, ES
The Maverick 32H - Wellbore #1 - Design #1	4,700.00	3,168.16	2,477.24	2,439.40	65.454	SF
The Maverick 3H - Wellbore #1 - Design #1	4,104.45	2,721.24	2,495.81	2,469.67	95.473	CC, ES
The Maverick 3H - Wellbore #1 - Design #1	4,200.00	2,728.48	2,499.21	2,471.35	89.717	SF
Horned Frog/Maverick Offsets						
McCall #1 - Wellbore #1 - Surveys	9,242.95	3,258.41	1,669.05	1,460.02	7.985	CC
McCall #1 - Wellbore #1 - Surveys	9,300.00	3,255.70	1,670.02	1,459.43	7.930	ES
McCall #1 - Wellbore #1 - Surveys	9,405.32	3,250.70	1,676.91	1,463.83	7.870	SF
McCall #2 - Wellbore #1 - Surveys						Out of range
McCall #2 (2) - Wellbore #1 - Surveys						Out of range
Terry Evans #1 - Wellbore #1 - Surveys	6,161.49	3,409.54	0.34	-131.62	0.003	Level 1, CC, ES, SF

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

Stryker Directional
Anticollision Report



BURNETT OIL CO., INC.

Company:	Burnett Oil Company	Local Co-ordinate Reference:	Well The Horned Frog 32H
Project:	Eddy County, New Mexico (NAD83)	TVD Reference:	RKB @ 3309.00usft
Reference Site:	Aggie/Horned Frog/Maverick	MD Reference:	RKB @ 3309.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	The Horned Frog 32H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000 Server
Reference Design:	Design #1	Offset TVD Reference:	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Aggie/Horned Frog/Maverick - The Aggie 1H - Wellbore #1 - Design #1													Offset Well Error:	0.00 usft
Survey Program: 0-MWD+HRGM														
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	1.00	0.00	0.00	0.01	-88.00	56.04	-1,608.38	1,609.35					
100.00	100.00	101.00	100.00	0.93	0.93	-88.00	56.04	-1,608.38	1,609.35	1,607.49	1.86	863.526		
200.00	200.00	201.00	200.00	1.51	1.51	-88.00	56.04	-1,608.38	1,609.35	1,606.34	3.02	533.218		
300.00	300.00	301.00	300.00	1.94	1.94	-88.00	56.04	-1,608.38	1,609.35	1,605.47	3.88	414.624		
400.00	400.00	401.00	400.00	2.30	2.29	-88.00	56.04	-1,608.38	1,609.35	1,604.76	4.59	350.565		
500.00	500.00	501.00	500.00	2.61	2.60	-88.00	56.04	-1,608.38	1,609.35	1,604.14	5.21	308.938		
600.00	600.00	601.00	600.00	2.88	2.88	-88.00	56.04	-1,608.38	1,609.35	1,603.59	5.77	279.089		
700.00	700.00	701.00	700.00	3.14	3.14	-88.00	56.04	-1,608.38	1,609.35	1,603.08	6.28	256.325		
800.00	800.00	801.00	800.00	3.38	3.38	-88.00	56.04	-1,608.38	1,609.35	1,602.60	6.76	238.216		
900.00	900.00	901.00	900.00	3.60	3.60	-88.00	56.04	-1,608.38	1,609.35	1,602.15	7.21	223.357		
1,000.00	1,000.00	1,001.00	1,000.00	3.82	3.82	-88.00	56.04	-1,608.38	1,609.35	1,601.72	7.63	210.875		
1,100.00	1,100.00	1,101.00	1,100.00	4.02	4.02	-88.00	56.04	-1,608.38	1,609.35	1,601.32	8.04	200.193		
1,200.00	1,200.00	1,201.00	1,200.00	4.22	4.21	-88.00	56.04	-1,608.38	1,609.35	1,600.92	8.43	190.915		
1,300.00	1,300.00	1,301.00	1,300.00	4.40	4.40	-88.00	56.04	-1,608.38	1,609.35	1,600.55	8.81	182.754		
1,400.00	1,400.00	1,401.00	1,400.00	4.59	4.58	-88.00	56.04	-1,608.38	1,609.35	1,600.18	9.17	175.503		
1,500.00	1,500.00	1,501.44	1,500.44	4.76	4.76	-88.00	56.04	-1,608.38	1,609.35	1,599.83	9.52	168.978		
1,600.00	1,600.00	1,645.41	1,644.35	4.93	5.37	-87.89	59.06	-1,606.26	1,607.96	1,597.92	10.04	160.222		
1,700.00	1,700.00	1,761.82	1,760.51	5.10	5.94	-87.67	65.29	-1,601.90	1,604.37	1,593.87	10.50	152.801		
1,800.00	1,800.00	4,534.57	3,069.00	5.26	36.76	-2.40	930.61	-39.01	1,574.14	1,547.89	26.25	59.969		
1,900.00	1,900.00	4,534.57	3,069.00	5.42	36.76	-2.40	930.61	-39.01	1,494.70	1,467.50	27.19	54.965		
2,000.00	2,000.00	4,534.57	3,069.00	5.58	36.76	-2.40	930.61	-39.01	1,417.86	1,389.62	28.24	50.207		
2,100.00	2,100.00	4,534.57	3,069.00	5.73	36.76	-2.40	930.61	-39.01	1,344.07	1,314.67	29.39	45.726		
2,200.00	2,200.00	4,534.57	3,069.00	5.88	36.76	-2.40	930.61	-39.01	1,273.86	1,243.20	30.66	41.554		
2,300.00	2,300.00	4,534.57	3,069.00	6.03	36.76	-2.40	930.61	-39.01	1,207.86	1,175.84	32.02	37.722		
2,400.00	2,400.00	4,534.57	3,069.00	6.17	36.76	-2.40	930.61	-39.01	1,146.79	1,113.31	33.47	34.260		
2,500.00	2,500.00	4,534.57	3,069.00	6.32	36.76	-2.40	930.61	-39.01	1,091.48	1,056.49	34.99	31.197		
2,600.00	2,600.00	4,534.57	3,069.00	6.46	36.76	-2.40	930.61	-39.01	1,042.84	1,006.33	36.52	28.557		
2,700.00	2,700.00	4,534.54	3,069.00	6.58	36.76	-2.40	930.61	-39.05	1,001.88	963.90	37.99	26.374		
2,800.00	2,799.60	4,526.57	3,069.00	7.16	36.60	-2.56	930.27	-47.00	975.26	935.83	39.43	24.732		
2,882.60	2,880.39	4,509.40	3,069.00	7.78	36.24	-2.90	929.45	-64.15	968.33	927.94	40.38	23.978	CC, ES	
2,900.00	2,897.13	4,504.55	3,069.00	7.92	36.14	-3.00	929.20	-69.00	968.63	928.10	40.53	23.897	SF	
3,000.00	2,990.68	4,468.20	3,069.00	8.60	35.39	-3.73	927.07	-105.29	981.90	940.90	41.00	23.948		
3,100.00	3,078.44	4,417.11	3,069.00	9.21	34.33	-4.75	923.29	-156.23	1,013.04	972.26	40.79	24.838		
3,200.00	3,158.70	4,350.79	3,069.00	9.74	32.96	-6.08	917.03	-222.26	1,058.59	1,018.62	39.97	26.482		
3,300.00	3,229.90	4,268.68	3,069.00	10.19	31.27	-7.72	907.17	-303.77	1,114.37	1,075.66	38.71	28.790		
3,400.00	3,290.86	4,170.50	3,069.00	10.49	29.26	-9.68	892.32	-400.81	1,176.08	1,138.94	37.14	31.666		
3,500.00	3,348.22	4,062.56	3,069.00	10.64	27.07	-11.84	872.17	-506.85	1,238.67	1,203.16	35.51	34.886		
3,600.00	3,405.39	3,947.39	3,069.00	10.81	24.76	-14.14	846.28	-619.07	1,300.25	1,266.37	33.88	38.373		
3,700.00	3,455.63	3,810.57	3,069.00	11.74	22.06	-16.88	809.69	-750.89	1,353.59	1,321.21	32.38	41.807		
3,800.00	3,494.48	3,649.08	3,069.00	13.40	19.01	-20.11	758.47	-904.02	1,392.10	1,361.10	31.00	44.906		
3,900.00	3,520.74	3,232.67	2,986.52	15.16	12.11	-33.33	554.55	-1,247.71	1,407.79	1,381.75	26.04	54.062		
4,000.00	3,533.63	3,082.57	2,907.68	16.99	11.68	-34.43	456.05	-1,328.29	1,395.55	1,369.92	25.63	54.448		
4,100.00	3,533.02	3,017.59	2,870.41	18.82	11.53	-32.25	412.45	-1,358.82	1,370.63	1,344.08	26.55	51.626		
4,200.00	3,527.95	2,953.08	2,833.41	20.65	11.38	-29.95	369.16	-1,389.13	1,342.43	1,315.02	27.41	48.973		
4,300.00	3,522.86	2,900.00	2,802.84	22.62	11.24	-27.06	333.61	-1,414.02	1,315.36	1,286.89	28.47	46.194		
4,400.00	3,517.76	2,877.70	2,789.40	24.61	11.14	-22.77	319.04	-1,424.22	1,290.98	1,261.12	29.86	43.236		
4,500.00	3,512.65	2,850.00	2,771.94	26.64	11.02	-18.42	301.43	-1,436.55	1,270.04	1,238.95	31.09	40.852		
4,600.00	3,507.54	2,831.26	2,759.66	28.69	10.93	-13.51	289.83	-1,444.67	1,252.89	1,220.52	32.37	38.701		
4,700.00	3,502.44	2,800.00	2,738.37	30.75	10.77	-8.73	271.09	-1,457.80	1,240.02	1,206.72	33.30	37.239		
4,800.00	3,497.36	2,800.00	2,738.37	32.82	10.77	-2.86	271.09	-1,457.80	1,231.45	1,196.80	34.65	35.542		
4,897.08	3,492.44	2,775.05	2,720.67	34.78	10.64	2.31	256.68	-1,467.89	1,228.41	1,193.15	35.26	34.839		
4,900.00	3,492.29	2,774.64	2,720.38	34.84	10.64	2.47	256.45	-1,468.05	1,228.09	1,192.82	35.28	34.813		

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

Stryker Directional
Anticollision Report



BURNETT OIL CO., INC.

Company:	Burnett Oil Company	Local Co-ordinate Reference:	Well The Horned Frog 32H
Project:	Eddy County, New Mexico (NAD83)	TVD Reference:	RKB @ 3309.00usft
Reference Site:	Aggie/Horned Frog/Maverick	MD Reference:	RKB @ 3309.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	The Horned Frog 32H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000 Server
Reference Design:	Design #1	Offset TVD Reference:	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	3,487.22	2,750.00	2,702.29	36.89	10.50	7.96	242.73	-1,477.65	1,232.20	1,196.47	35.74	34.479		
5,100.00	3,482.16	2,750.00	2,702.29	38.97	10.50	13.81	242.73	-1,477.65	1,243.74	1,207.21	36.53	34.049		
5,200.00	3,477.09	2,726.81	2,684.77	41.07	10.36	19.15	230.30	-1,486.36	1,262.53	1,225.88	36.65	34.447		
5,300.00	3,472.02	2,700.00	2,663.90	43.20	10.20	24.28	216.51	-1,496.01	1,288.58	1,252.06	36.52	35.285		
5,400.00	3,466.96	2,700.00	2,663.90	45.34	10.20	29.26	216.51	-1,496.01	1,320.96	1,284.17	36.80	35.899		
5,500.00	3,461.89	2,700.00	2,663.90	47.50	10.20	33.79	216.51	-1,496.01	1,359.94	1,323.02	36.93	36.828		
5,600.00	3,456.82	2,671.68	2,641.18	49.68	10.02	37.93	202.66	-1,505.72	1,404.13	1,367.78	36.35	38.628		
5,700.00	3,451.75	2,650.00	2,623.36	51.86	9.88	41.74	192.55	-1,512.79	1,453.85	1,418.03	35.83	40.579		
5,800.00	3,446.69	2,650.00	2,623.36	54.06	9.88	45.12	192.55	-1,512.79	1,508.12	1,472.45	35.67	42.279		
5,900.00	3,441.62	2,650.00	2,623.36	56.27	9.88	48.14	192.55	-1,512.79	1,566.89	1,531.44	35.45	44.199		
6,000.00	3,436.55	2,624.92	2,602.28	58.48	9.71	50.99	181.42	-1,520.58	1,629.07	1,594.36	34.71	46.929		
6,100.00	3,431.49	2,600.00	2,580.88	60.71	9.53	53.58	170.97	-1,527.90	1,695.03	1,661.05	33.98	49.885		
6,200.00	3,426.42	2,600.00	2,580.88	62.94	9.53	55.77	170.97	-1,527.90	1,763.64	1,729.95	33.69	52.356		
6,300.00	3,421.35	2,600.00	2,580.88	65.17	9.53	57.74	170.97	-1,527.90	1,835.13	1,801.75	33.38	54.979		
6,400.00	3,416.28	2,600.00	2,580.88	67.42	9.53	59.52	170.97	-1,527.90	1,909.18	1,876.11	33.07	57.736		
6,500.00	3,411.22	2,576.08	2,559.93	69.66	9.36	61.29	161.51	-1,534.53	1,985.00	1,952.62	32.37	61.316		
6,600.00	3,406.15	2,550.00	2,536.67	71.92	9.16	62.91	151.86	-1,541.28	2,063.19	2,031.51	31.68	65.119		
6,700.00	3,401.08	2,550.00	2,536.67	74.17	9.16	64.24	151.86	-1,541.28	2,142.64	2,111.24	31.40	68.231		
6,800.00	3,396.02	2,550.00	2,536.67	76.43	9.16	65.45	151.86	-1,541.28	2,223.75	2,192.62	31.13	71.434		
6,900.00	3,390.95	2,550.00	2,536.67	78.70	9.16	66.55	151.86	-1,541.28	2,306.34	2,275.47	30.87	74.718		
7,000.00	3,385.88	2,550.00	2,536.67	80.96	9.16	67.57	151.86	-1,541.28	2,390.26	2,359.65	30.62	78.074		
7,100.00	3,380.81	2,528.49	2,517.16	83.23	8.99	68.63	144.42	-1,546.49	2,475.01	2,444.92	30.10	82.240		

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

Stryker Directional Anticollision Report



BURNETT OIL CO., INC.

Company:	Burnett Oil Company	Local Co-ordinate Reference:	Well The Horned Frog 32H
Project:	Eddy County, New Mexico (NAD83)	TVD Reference:	RKB @ 3309.00usft
Reference Site:	Aggie/Horned Frog/Maverick	MD Reference:	RKB @ 3309.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	The Horned Frog 32H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000 Server
Reference Design:	Design #1	Offset TVD Reference:	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	1.00	0.00	0.00	0.01	-89.42	16.38	-1,608.99	1,609.08					
100.00	100.00	101.00	100.00	0.93	0.93	-89.42	16.38	-1,608.99	1,609.08	1,607.21	1.87	862.750		
200.00	200.00	201.00	200.00	1.51	1.51	-89.42	16.38	-1,608.99	1,609.08	1,606.06	3.02	532.958		
300.00	300.00	301.00	300.00	1.94	1.94	-89.42	16.38	-1,608.99	1,609.08	1,605.19	3.88	414.473		
400.00	400.00	401.00	400.00	2.30	2.30	-89.42	16.38	-1,608.99	1,609.08	1,604.48	4.59	350.457		
500.00	500.00	501.00	500.00	2.61	2.60	-89.42	16.38	-1,608.99	1,609.08	1,603.87	5.21	308.852		
600.00	600.00	601.00	600.00	2.88	2.88	-89.42	16.38	-1,608.99	1,609.08	1,603.31	5.77	279.016		
700.00	700.00	701.00	700.00	3.14	3.14	-89.42	16.38	-1,608.99	1,609.08	1,602.80	6.28	256.262		
800.00	800.00	801.00	800.00	3.38	3.38	-89.42	16.38	-1,608.99	1,609.08	1,602.32	6.76	238.159		
900.00	900.00	901.00	900.00	3.60	3.60	-89.42	16.38	-1,608.99	1,609.08	1,601.87	7.21	223.305		
1,000.00	1,000.00	1,001.00	1,000.00	3.82	3.82	-89.42	16.38	-1,608.99	1,609.08	1,601.44	7.63	210.827		
1,100.00	1,100.00	1,101.00	1,100.00	4.02	4.02	-89.42	16.38	-1,608.99	1,609.08	1,601.04	8.04	200.149		
1,200.00	1,200.00	1,201.00	1,200.00	4.22	4.21	-89.42	16.38	-1,608.99	1,609.08	1,600.65	8.43	190.874		
1,300.00	1,300.00	1,301.00	1,300.00	4.40	4.40	-89.42	16.38	-1,608.99	1,609.08	1,600.27	8.81	182.716		
1,400.00	1,400.00	1,401.00	1,400.00	4.59	4.59	-89.42	16.38	-1,608.99	1,609.08	1,599.90	9.17	175.466		
1,500.00	1,500.00	1,501.00	1,500.00	4.76	4.76	-89.42	16.38	-1,608.99	1,609.08	1,599.55	9.52	168.966		
1,600.00	1,600.00	4,379.02	3,116.70	4.93	35.73	7.33	64.14	8.25	1,518.07	1,499.95	18.12	83.758		
1,700.00	1,700.00	4,378.85	3,116.70	5.10	35.72	7.17	64.16	8.08	1,418.17	1,399.97	18.20	77.901		
1,800.00	1,800.00	4,378.68	3,116.70	5.26	35.72	7.02	64.17	7.90	1,318.28	1,299.99	18.29	72.077		
1,900.00	1,900.00	4,378.51	3,116.70	5.42	35.72	6.87	64.19	7.73	1,218.41	1,200.03	18.38	66.288		
2,000.00	2,000.00	4,378.33	3,116.70	5.58	35.71	6.72	64.20	7.56	1,118.57	1,100.09	18.48	60.537		
2,100.00	2,100.00	4,378.16	3,116.70	5.73	35.71	6.56	64.22	7.39	1,018.75	1,000.17	18.58	54.825		
2,200.00	2,200.00	4,377.99	3,116.70	5.88	35.71	6.41	64.23	7.22	918.97	900.28	18.70	49.153		
2,300.00	2,300.00	4,377.81	3,116.70	6.03	35.70	6.26	64.25	7.04	819.25	800.43	18.82	43.522		
2,400.00	2,400.00	4,377.64	3,116.70	6.17	35.70	6.10	64.26	6.87	719.61	700.63	18.97	37.931		
2,500.00	2,500.00	4,377.47	3,116.70	6.32	35.69	5.95	64.28	6.70	620.08	600.92	19.15	32.377		
2,600.00	2,600.00	4,377.30	3,116.70	6.46	35.69	5.80	64.29	6.53	520.72	501.34	19.39	26.857		
2,700.00	2,700.00	4,377.10	3,116.70	6.58	35.69	5.64	64.31	6.33	421.68	401.94	19.74	21.360		
2,800.00	2,799.60	4,372.38	3,116.71	7.16	35.58	5.45	64.72	1.62	324.99	304.38	20.61	15.768		
2,900.00	2,897.13	4,359.75	3,116.73	7.92	35.29	5.25	65.82	-10.96	236.93	213.27	23.66	10.014		
3,000.00	2,990.68	4,339.46	3,116.76	8.60	34.84	5.11	67.59	-31.17	172.48	140.22	32.26	5.346		
3,066.37	3,049.69	4,321.95	3,116.79	9.01	34.44	5.05	69.12	-48.60	157.56	118.06	39.50	3.989 CC, ES		
3,100.00	3,078.44	4,311.91	3,116.81	9.21	34.22	5.03	69.99	-58.61	161.45	119.77	41.69	3.873 SF		
3,200.00	3,158.70	4,277.64	3,116.87	9.74	33.45	4.98	72.98	-92.75	209.80	168.29	41.51	5.054		
3,300.00	3,229.90	4,237.31	3,116.94	10.19	32.54	4.96	76.50	-132.93	286.25	247.44	38.81	7.375		
3,400.00	3,290.86	4,191.79	3,117.02	10.49	31.53	4.95	80.47	-178.27	371.12	334.16	36.96	10.041		
3,500.00	3,348.22	4,144.71	3,117.10	10.64	30.48	4.95	84.58	-225.17	457.64	421.96	35.68	12.828		
3,600.00	3,405.39	4,097.36	3,117.18	10.81	29.42	4.94	88.71	-272.34	544.57	509.93	34.64	15.720		
3,700.00	3,455.63	4,040.68	3,117.28	11.74	28.17	4.94	93.66	-328.81	626.46	592.56	33.90	18.478		
3,800.00	3,494.48	3,971.59	3,117.40	13.40	26.65	4.94	99.68	-397.63	698.58	665.18	33.41	20.911		
3,900.00	3,520.74	3,892.20	3,117.54	15.16	24.92	4.94	106.61	-476.72	758.74	725.63	33.12	22.911		
4,000.00	3,533.63	3,802.91	3,117.69	16.99	23.00	4.78	114.39	-565.67	805.30	772.27	33.03	24.382		
4,100.00	3,533.02	3,678.88	3,117.91	18.82	20.23	2.30	122.17	-689.44	835.45	802.77	32.68	25.562		
4,200.00	3,527.95	3,554.51	3,118.09	20.65	17.59	0.13	124.59	-813.78	855.36	822.91	32.45	26.358		
4,300.00	3,522.86	3,483.16	3,113.13	22.62	16.12	2.11	123.33	-884.90	872.70	840.00	32.70	26.687		
4,400.00	3,517.76	3,412.10	3,099.70	24.61	14.71	4.17	119.98	-954.56	890.10	857.24	32.87	27.083		
4,500.00	3,512.65	3,350.00	3,081.19	26.64	13.53	6.97	115.38	-1,013.62	907.77	874.73	33.04	27.476		
4,600.00	3,507.54	3,279.97	3,053.02	28.69	12.32	9.46	108.38	-1,077.31	926.12	893.06	33.05	28.018		
4,700.00	3,502.44	3,222.02	3,024.15	30.75	11.40	12.92	101.21	-1,127.01	945.96	912.84	33.13	28.555		
4,800.00	3,497.36	3,152.04	2,984.42	32.82	10.46	15.96	91.36	-1,183.76	967.59	934.49	33.10	29.231		
4,900.00	3,492.29	3,068.51	2,936.51	34.84	10.32	18.37	79.48	-1,251.15	989.81	956.85	32.96	30.033		
5,000.00	3,487.22	2,997.75	2,895.92	36.89	10.19	21.41	69.41	-1,308.23	1,014.42	981.52	32.90	30.829		

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

Stryker Directional
Anticollision Report



Company:	Burnett Oil Company	Local Co-ordinate Reference:	Well The Horned Frog 32H
Project:	Eddy County, New Mexico (NAD83)	TVD Reference:	RKB @ 3309.00usft
Reference Site:	Aggie/Horned Frog/Maverick	MD Reference:	RKB @ 3309.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	The Horned Frog 32H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000 Server
Reference Design:	Design #1	Offset TVD Reference:	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	3,482.16	2,950.00	2,867.25	38.97	10.02	25.51	62.79	-1,345.82	1,043.53	1,010.67	32.86	31.752		
5,200.00	3,477.09	2,915.16	2,844.76	41.07	9.88	30.01	58.17	-1,372.02	1,078.35	1,045.54	32.81	32.871		
5,300.00	3,472.02	2,881.25	2,821.65	43.20	9.73	34.25	53.86	-1,396.46	1,118.61	1,085.95	32.65	34.257		
5,400.00	3,466.96	2,850.00	2,799.34	45.34	9.58	38.27	50.06	-1,418.00	1,164.00	1,131.57	32.43	35.893		
5,500.00	3,461.89	2,821.07	2,777.85	47.50	9.44	42.01	46.70	-1,437.07	1,214.19	1,182.04	32.15	37.765		
5,600.00	3,456.82	2,800.00	2,761.71	49.68	9.33	45.56	44.34	-1,450.41	1,268.82	1,236.96	31.86	39.830		
5,700.00	3,451.75	2,769.85	2,737.95	51.86	9.16	48.60	41.12	-1,468.68	1,327.41	1,295.94	31.47	42.183		
5,800.00	3,446.69	2,750.00	2,721.88	54.06	9.05	51.50	39.10	-1,480.16	1,389.70	1,358.60	31.11	44.676		
5,900.00	3,441.62	2,726.14	2,702.16	56.27	8.91	54.04	36.77	-1,493.38	1,455.28	1,424.58	30.70	47.400		
6,000.00	3,436.55	2,700.00	2,680.05	58.48	8.75	56.31	34.35	-1,507.11	1,523.88	1,493.60	30.28	50.330		
6,100.00	3,431.49	2,700.00	2,680.05	60.71	8.75	58.57	34.35	-1,507.11	1,595.18	1,565.19	29.99	53.197		
6,200.00	3,426.42	2,671.93	2,655.75	62.94	8.57	60.38	31.91	-1,520.95	1,668.67	1,639.12	29.55	56.468		
6,300.00	3,421.35	2,650.00	2,636.40	65.17	8.43	62.06	30.11	-1,531.11	1,744.47	1,715.31	29.16	59.833		
6,400.00	3,416.28	2,650.00	2,636.40	67.42	8.43	63.69	30.11	-1,531.11	1,822.18	1,793.30	28.88	63.092		
6,500.00	3,411.22	2,628.31	2,616.96	69.66	8.28	65.06	28.45	-1,540.57	1,901.53	1,873.02	28.51	66.707		
6,600.00	3,406.15	2,600.00	2,591.16	71.92	8.09	66.30	26.42	-1,552.05	1,982.72	1,954.61	28.11	70.527		
6,700.00	3,401.08	2,600.00	2,591.16	74.17	8.09	67.50	26.42	-1,552.05	2,064.87	2,037.00	27.88	74.075		
6,800.00	3,396.02	2,600.00	2,591.16	76.43	8.09	68.60	26.42	-1,552.05	2,148.54	2,120.89	27.65	77.706		
6,900.00	3,390.95	2,600.00	2,591.16	78.70	8.09	69.60	26.42	-1,552.05	2,233.55	2,206.11	27.44	81.410		
7,000.00	3,385.88	2,572.48	2,565.66	80.96	7.89	70.46	24.63	-1,562.24	2,319.07	2,291.97	27.10	85.577		
7,100.00	3,380.81	2,550.00	2,544.55	83.23	7.72	71.28	23.29	-1,569.84	2,405.97	2,379.16	26.80	89.760		
7,200.00	3,375.75	2,550.00	2,544.55	85.51	7.72	72.06	23.29	-1,569.84	2,493.43	2,466.80	26.63	93.631		

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

Stryker Directional Anticollision Report



BURNETT OIL CO., INC.

Company:	Burnett Oil Company	Local Co-ordinate Reference:	Well The Horned Frog 32H
Project:	Eddy County, New Mexico (NAD83)	TVD Reference:	RKB @ 3309.00usft
Reference Site:	Aggie/Horned Frog/Maverick	MD Reference:	RKB @ 3309.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	The Horned Frog 32H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000 Server
Reference Design:	Design #1	Offset TVD Reference:	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	1.00	0.00	0.00	0.01	-88.71	36.11	-1,608.69	1,609.09					
100.00	100.00	101.00	100.00	0.93	0.93	-88.71	36.11	-1,608.69	1,609.09	1,607.23	1.86	863.386		
200.00	200.00	201.00	200.00	1.51	1.51	-88.71	36.11	-1,608.69	1,609.09	1,606.08	3.02	533.131		
300.00	300.00	301.00	300.00	1.94	1.94	-88.71	36.11	-1,608.69	1,609.09	1,605.21	3.88	414.557		
400.00	400.00	401.00	400.00	2.30	2.29	-88.71	36.11	-1,608.69	1,609.09	1,604.50	4.59	350.509		
500.00	500.00	501.00	500.00	2.61	2.60	-88.71	36.11	-1,608.69	1,609.09	1,603.88	5.21	308.888		
600.00	600.00	601.00	600.00	2.88	2.88	-88.71	36.11	-1,608.69	1,609.09	1,603.33	5.77	279.044		
700.00	700.00	701.00	700.00	3.14	3.14	-88.71	36.11	-1,608.69	1,609.09	1,602.81	6.28	256.284		
800.00	800.00	801.00	800.00	3.38	3.38	-88.71	36.11	-1,608.69	1,609.09	1,602.34	6.76	238.177		
900.00	900.00	901.00	900.00	3.60	3.60	-88.71	36.11	-1,608.69	1,609.09	1,601.89	7.21	223.320		
1,000.00	1,000.00	1,001.00	1,000.00	3.82	3.82	-88.71	36.11	-1,608.69	1,609.09	1,601.46	7.63	210.841		
1,100.00	1,100.00	1,101.00	1,100.00	4.02	4.02	-88.71	36.11	-1,608.69	1,609.09	1,601.05	8.04	200.161		
1,200.00	1,200.00	1,201.00	1,200.00	4.22	4.21	-88.71	36.11	-1,608.69	1,609.09	1,600.66	8.43	190.884		
1,300.00	1,300.00	1,301.00	1,300.00	4.40	4.40	-88.71	36.11	-1,608.69	1,609.09	1,600.29	8.81	182.725		
1,400.00	1,400.00	1,401.00	1,400.00	4.59	4.58	-88.71	36.11	-1,608.69	1,609.09	1,599.92	9.17	175.474		
1,500.00	1,500.00	1,501.00	1,500.00	4.76	4.76	-88.71	36.11	-1,608.69	1,609.09	1,599.57	9.52	168.974		
1,600.00	1,600.00	1,601.00	1,600.00	4.93	4.93	-88.71	36.11	-1,608.69	1,609.09	1,599.23	9.87	163.102		
1,700.00	1,700.00	1,701.00	1,700.00	5.10	5.10	-88.71	36.11	-1,608.69	1,609.09	1,598.89	10.20	157.762		
1,800.00	1,800.00	1,801.73	1,800.73	5.26	5.26	-88.71	36.11	-1,608.69	1,609.09	1,598.57	10.53	152.845		
1,900.00	1,900.00	1,974.54	1,973.44	5.42	5.99	-88.59	39.52	-1,604.62	1,606.78	1,595.59	11.19	143.563		
2,000.00	2,000.00	2,085.02	2,083.65	5.58	6.41	-88.41	44.40	-1,598.80	1,601.60	1,589.95	11.65	137.452		
2,100.00	2,100.00	4,881.92	3,491.31	5.73	36.67	2.77	622.84	30.15	1,524.66	1,502.01	22.65	67.316		
2,200.00	2,200.00	4,879.82	3,491.36	5.88	36.63	2.58	622.85	28.06	1,433.99	1,410.71	23.28	61.594		
2,300.00	2,300.00	4,877.73	3,491.40	6.03	36.58	2.39	622.85	25.96	1,344.64	1,320.62	24.02	55.991		
2,400.00	2,400.00	4,875.63	3,491.45	6.17	36.54	2.19	622.85	23.86	1,256.89	1,232.02	24.87	50.538		
2,500.00	2,500.00	4,873.53	3,491.49	6.32	36.49	2.00	622.86	21.77	1,171.10	1,145.23	25.87	45.270		
2,600.00	2,600.00	4,871.44	3,491.53	6.46	36.45	1.81	622.86	19.67	1,087.74	1,060.70	27.04	40.231		
2,700.00	2,700.00	4,869.32	3,491.58	6.58	36.41	1.62	622.86	17.55	1,007.42	979.03	28.39	35.485		
2,800.00	2,799.60	4,862.13	3,491.73	7.16	36.25	1.41	622.87	10.37	935.36	905.22	30.14	31.031		
2,900.00	2,897.13	4,846.15	3,492.06	7.92	35.92	1.20	622.90	-5.61	878.07	845.75	32.31	27.174		
3,000.00	2,990.68	4,821.68	3,492.58	8.60	35.40	0.99	622.94	-30.07	839.28	804.66	34.62	24.244		
3,100.00	3,078.44	4,789.20	3,493.26	9.21	34.72	0.79	622.99	-62.55	821.68	784.96	36.72	22.375		
3,129.60	3,103.06	4,778.14	3,493.49	9.37	34.49	0.74	623.00	-73.61	820.71	783.45	37.26	22.025 CC, ES		
3,200.00	3,158.70	4,749.34	3,494.09	9.74	33.89	0.62	623.05	-102.40	826.07	787.75	38.32	21.558 SF		
3,300.00	3,229.90	4,702.87	3,495.07	10.19	32.93	0.48	623.12	-148.85	851.05	811.81	39.24	21.690		
3,400.00	3,290.86	4,642.19	3,496.34	10.49	31.67	-0.19	623.08	-209.53	893.23	853.90	39.33	22.713		
3,500.00	3,348.22	4,561.65	3,498.03	10.64	29.98	-1.90	621.27	-290.02	942.70	904.02	38.68	24.369		
3,600.00	3,405.39	4,475.49	3,499.85	10.81	28.16	-3.70	616.84	-376.05	995.02	957.23	37.79	26.329		
3,700.00	3,455.63	4,370.06	3,502.07	11.74	25.94	-5.87	607.89	-481.07	1,046.01	1,009.25	36.77	28.450		
3,800.00	3,494.48	4,240.73	3,504.80	13.40	23.25	-8.50	591.65	-609.34	1,089.87	1,054.32	35.55	30.659		
3,900.00	3,520.74	4,091.95	3,507.93	15.16	20.22	-11.50	565.83	-755.80	1,122.17	1,087.88	34.29	32.726		
4,000.00	3,533.63	3,525.06	3,355.39	16.99	12.26	-33.53	350.05	-1,234.54	1,121.26	1,094.02	27.24	41.162		
4,100.00	3,533.02	3,449.29	3,311.94	18.82	12.08	-31.70	310.16	-1,282.09	1,094.97	1,066.82	28.15	38.893		
4,200.00	3,527.95	3,372.95	3,268.15	20.65	11.90	-29.86	269.96	-1,329.99	1,065.48	1,036.42	29.06	36.667		
4,300.00	3,522.86	3,322.39	3,237.85	22.62	11.71	-26.69	243.95	-1,360.98	1,036.79	1,006.34	30.45	34.049		
4,400.00	3,517.76	3,277.89	3,208.88	24.61	11.50	-22.95	222.24	-1,386.86	1,010.54	978.63	31.91	31.668		
4,500.00	3,512.65	3,238.21	3,181.32	26.64	11.30	-18.69	203.90	-1,408.72	987.59	954.21	33.39	29.578		
4,600.00	3,507.54	3,200.00	3,153.33	28.69	11.09	-14.04	187.18	-1,428.64	968.75	933.97	34.78	27.853		
4,700.00	3,502.44	3,171.38	3,131.48	30.75	10.92	-8.71	175.31	-1,442.80	954.72	918.57	36.14	26.415		
4,800.00	3,497.36	3,150.00	3,114.69	32.82	10.79	-2.88	166.80	-1,452.93	946.19	908.81	37.38	25.313		
4,877.37	3,493.44	3,123.54	3,093.36	34.38	10.62	1.45	156.73	-1,464.93	944.14	906.20	37.95	24.882		
4,900.00	3,492.29	3,118.10	3,088.91	34.84	10.59	2.82	154.73	-1,467.32	944.11	906.00	38.11	24.776		

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

Stryker Directional
Anticollision Report



BURNETT OIL CO., INC.

Company:	Burnett Oil Company	Local Co-ordinate Reference:	Well The Horned Frog 32H
Project:	Eddy County, New Mexico (NAD83)	TVD Reference:	RKB @ 3309.00usft
Reference Site:	Aggie/Horned Frog/Maverick	MD Reference:	RKB @ 3309.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	The Horned Frog 32H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000 Server
Reference Design:	Design #1	Offset TVD Reference:	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	3,487.22	3,100.00	3,073.92	36.89	10.47	9.00	148.21	-1,475.09	951.21	912.46	38.75	24.549		
5,100.00	3,482.16	3,073.69	3,051.69	38.97	10.29	14.92	139.17	-1,485.86	967.53	928.59	38.94	24.847		
5,200.00	3,477.09	3,050.00	3,031.23	41.07	10.13	20.72	131.48	-1,495.02	992.84	953.97	38.87	25.541		
5,300.00	3,472.02	3,050.00	3,031.23	43.20	10.13	26.50	131.48	-1,495.02	1,026.71	987.76	38.95	26.362		
5,400.00	3,466.96	3,019.19	3,004.07	45.34	9.91	31.48	122.14	-1,506.15	1,067.81	1,029.54	38.27	27.899		
5,500.00	3,461.89	3,000.00	2,986.84	47.50	9.77	36.16	116.71	-1,512.63	1,116.04	1,078.40	37.64	29.650		
5,600.00	3,456.82	3,000.00	2,986.84	49.68	9.77	40.47	116.71	-1,512.63	1,170.45	1,133.24	37.21	31.454		
5,700.00	3,451.75	2,975.80	2,964.80	51.86	9.58	44.24	110.29	-1,520.28	1,229.96	1,193.65	36.31	33.874		
5,800.00	3,446.69	2,950.00	2,940.95	54.06	9.38	47.63	103.97	-1,527.81	1,294.42	1,259.07	35.36	36.610		
5,900.00	3,441.62	2,950.00	2,940.95	56.27	9.38	50.67	103.97	-1,527.81	1,362.52	1,327.72	34.80	39.152		
6,000.00	3,436.55	2,950.00	2,940.95	58.48	9.38	53.36	103.97	-1,527.81	1,434.36	1,400.12	34.24	41.893		
6,100.00	3,431.49	2,930.44	2,922.64	60.71	9.22	55.77	99.55	-1,533.08	1,509.01	1,475.61	33.40	45.174		
6,200.00	3,426.42	2,920.83	2,913.57	62.94	9.14	57.93	97.50	-1,535.53	1,586.35	1,553.61	32.75	48.445		
6,300.00	3,421.35	2,900.00	2,893.79	65.17	8.98	59.88	93.31	-1,540.51	1,666.07	1,634.10	31.97	52.113		
6,400.00	3,416.28	2,900.00	2,893.79	67.42	8.98	61.60	93.31	-1,540.51	1,747.49	1,715.98	31.50	55.467		
6,500.00	3,411.22	2,900.00	2,893.79	69.66	8.98	63.14	93.31	-1,540.51	1,830.74	1,799.68	31.07	58.930		
6,600.00	3,406.15	2,900.00	2,893.79	71.92	8.98	64.54	93.31	-1,540.51	1,915.60	1,884.94	30.66	62.488		
6,700.00	3,401.08	2,880.54	2,875.14	74.17	8.81	65.85	89.74	-1,544.76	2,001.51	1,971.47	30.04	66.630		
6,800.00	3,396.02	2,873.76	2,868.61	76.43	8.75	67.02	88.58	-1,546.16	2,088.71	2,059.10	29.61	70.542		
6,900.00	3,390.95	2,850.00	2,845.58	78.70	8.55	68.12	84.80	-1,550.66	2,177.21	2,148.19	29.02	75.012		
7,000.00	3,385.88	2,850.00	2,845.58	80.96	8.55	69.09	84.80	-1,550.66	2,266.20	2,237.47	28.73	78.886		
7,100.00	3,380.81	2,850.00	2,845.58	83.23	8.55	69.98	84.80	-1,550.66	2,356.06	2,327.61	28.45	82.809		
7,200.00	3,375.75	2,850.00	2,845.58	85.51	8.55	70.79	84.80	-1,550.66	2,446.72	2,418.52	28.20	86.774		

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

Stryker Directional

Anticollision Report



BURNETT OIL CO., INC.

Company:	Burnett Oil Company	Local Co-ordinate Reference:	Well The Horned Frog 32H
Project:	Eddy County, New Mexico (NAD83)	TVD Reference:	RKB @ 3309.00usft
Reference Site:	Aggie/Horned Frog/Maverick	MD Reference:	RKB @ 3309.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	The Horned Frog 32H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000 Server
Reference Design:	Design #1	Offset TVD Reference:	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	1.00	0.00	0.00	0.01	-90.14	-3.90	-1,609.16	1,609.16					
100.00	100.00	101.00	100.00	0.93	0.93	-90.14	-3.90	-1,609.16	1,609.16	1,607.30	1.86	863.421		
200.00	200.00	201.00	200.00	1.51	1.51	-90.14	-3.90	-1,609.16	1,609.16	1,606.14	3.02	533.153		
300.00	300.00	301.00	300.00	1.94	1.94	-90.14	-3.90	-1,609.16	1,609.16	1,605.28	3.88	414.574		
400.00	400.00	401.00	400.00	2.30	2.29	-90.14	-3.90	-1,609.16	1,609.16	1,604.57	4.59	350.523		
500.00	500.00	501.00	500.00	2.61	2.60	-90.14	-3.90	-1,609.16	1,609.16	1,603.95	5.21	308.901		
600.00	600.00	601.00	600.00	2.88	2.88	-90.14	-3.90	-1,609.16	1,609.16	1,603.39	5.77	279.055		
700.00	700.00	701.00	700.00	3.14	3.14	-90.14	-3.90	-1,609.16	1,609.16	1,602.88	6.28	256.295		
800.00	800.00	801.00	800.00	3.38	3.38	-90.14	-3.90	-1,609.16	1,609.16	1,602.40	6.76	238.187		
900.00	900.00	901.00	900.00	3.60	3.60	-90.14	-3.90	-1,609.16	1,609.16	1,601.95	7.21	223.330		
1,000.00	1,000.00	1,001.00	1,000.00	3.82	3.82	-90.14	-3.90	-1,609.16	1,609.16	1,601.53	7.63	210.849		
1,100.00	1,100.00	1,101.00	1,100.00	4.02	4.02	-90.14	-3.90	-1,609.16	1,609.16	1,601.12	8.04	200.169		
1,200.00	1,200.00	1,201.00	1,200.00	4.22	4.21	-90.14	-3.90	-1,609.16	1,609.16	1,600.73	8.43	190.892		
1,300.00	1,300.00	1,301.00	1,300.00	4.40	4.40	-90.14	-3.90	-1,609.16	1,609.16	1,600.35	8.81	182.732		
1,400.00	1,400.00	1,401.00	1,400.00	4.59	4.58	-90.14	-3.90	-1,609.16	1,609.16	1,599.99	9.17	175.482		
1,500.00	1,500.00	1,501.00	1,500.00	4.76	4.76	-90.14	-3.90	-1,609.16	1,609.16	1,599.64	9.52	168.981		
1,600.00	1,600.00	1,601.00	1,600.00	4.93	4.93	-90.14	-3.90	-1,609.16	1,609.16	1,599.29	9.87	163.108		
1,700.00	1,700.00	1,701.00	1,700.00	5.10	5.10	-90.14	-3.90	-1,609.16	1,609.16	1,598.96	10.20	157.768		
1,800.00	1,800.00	1,801.66	1,800.66	5.26	5.26	-90.14	-3.90	-1,609.15	1,609.16	1,598.63	10.53	152.866		
1,900.00	1,900.00	1,967.09	1,966.00	5.42	5.82	-90.26	-7.34	-1,605.71	1,607.08	1,596.00	11.08	145.020		
2,000.00	2,000.00	2,119.10	2,117.44	5.58	6.63	-90.59	-16.40	-1,596.65	1,601.04	1,589.33	11.72	136.626		
2,100.00	2,100.00	2,218.55	2,216.35	5.73	6.90	-90.86	-23.75	-1,589.30	1,593.73	1,581.66	12.07	132.076		
2,200.00	2,200.00	4,971.21	3,563.50	5.88	38.02	177.94	-697.81	25.09	1,531.90	1,507.83	24.06	63.667		
2,300.00	2,300.00	4,969.29	3,563.54	6.03	37.98	178.10	-697.81	23.17	1,443.61	1,418.79	24.82	58.174		
2,400.00	2,400.00	4,967.37	3,563.57	6.17	37.94	178.26	-697.81	21.24	1,356.94	1,331.26	25.68	52.839		
2,500.00	2,500.00	4,965.44	3,563.61	6.32	37.90	178.41	-697.81	19.32	1,272.23	1,245.55	26.68	47.692		
2,600.00	2,600.00	4,963.52	3,563.65	6.46	37.86	178.57	-697.80	17.40	1,189.89	1,162.07	27.82	42.772		
2,700.00	2,700.00	4,961.58	3,563.68	6.58	37.82	178.73	-697.80	15.45	1,110.44	1,081.32	29.12	38.130		
2,800.00	2,799.60	4,954.57	3,563.82	7.16	37.67	178.88	-697.79	8.44	1,030.84	1,000.30	30.54	33.752		
2,900.00	2,897.13	4,938.75	3,564.12	7.92	37.34	179.00	-697.76	-7.37	949.03	917.22	31.80	29.841		
3,000.00	2,990.68	4,914.45	3,564.59	8.60	36.84	179.12	-697.72	-31.67	865.73	832.91	32.82	26.378		
3,100.00	3,078.44	4,882.12	3,565.21	9.21	36.17	179.22	-697.67	-63.99	781.58	748.00	33.58	23.274		
3,200.00	3,158.70	4,842.91	3,565.97	9.74	35.37	179.25	-697.60	-103.20	697.16	663.08	34.08	20.459		
3,300.00	3,229.90	4,786.45	3,567.05	10.19	34.20	-179.56	-697.01	-159.64	612.62	578.31	34.31	17.856		
3,400.00	3,290.86	4,726.20	3,568.21	10.49	32.92	-178.31	-695.14	-219.85	527.88	493.67	34.22	15.428		
3,500.00	3,348.22	4,667.19	3,569.36	10.64	31.67	-177.08	-692.09	-278.76	442.82	408.66	34.16	12.963		
3,600.00	3,405.39	4,610.93	3,570.44	10.81	30.48	-175.89	-688.05	-334.86	357.60	323.26	34.35	10.412		
3,700.00	3,455.63	4,547.43	3,571.67	11.74	29.14	-174.56	-682.16	-398.08	277.15	242.54	34.61	8.009		
3,800.00	3,494.48	4,473.83	3,573.10	13.40	27.58	-173.04	-673.59	-471.17	204.50	169.87	34.63	5.906		
3,900.00	3,520.74	4,392.68	3,574.67	15.16	25.87	-171.41	-661.97	-551.46	140.45	106.38	34.07	4.123		
4,000.00	3,533.63	4,306.41	3,576.34	16.99	24.07	-169.85	-647.13	-636.42	86.77	55.00	31.77	2.731		
4,100.00	3,533.02	4,217.33	3,578.06	18.82	22.21	-169.27	-629.12	-723.65	52.68	28.82	23.86	2.208		
4,143.99	3,530.79	4,178.12	3,578.82	19.62	21.43	-174.08	-620.34	-761.85	48.56	26.56	22.00	2.207 CC, ES		
4,200.00	3,527.95	4,128.55	3,579.77	20.65	20.46	17.41	-608.48	-809.97	55.04	27.72	27.32	2.015 SF		
4,300.00	3,522.86	4,038.80	3,579.22	22.62	18.69	15.17	-583.93	-896.24	86.05	51.79	34.26	2.512		
4,400.00	3,517.76	3,953.87	3,568.89	24.61	16.99	18.48	-554.19	-975.03	126.34	90.41	35.93	3.516		
4,500.00	3,512.65	3,877.68	3,551.05	26.64	15.51	23.90	-522.39	-1,041.87	173.84	138.53	35.32	4.922		
4,600.00	3,507.54	3,810.60	3,528.90	28.69	14.25	29.92	-490.85	-1,096.72	227.96	194.18	33.78	6.748		
4,700.00	3,502.44	3,750.00	3,503.95	30.75	13.17	35.50	-459.87	-1,142.41	287.88	255.83	32.05	8.982		
4,800.00	3,497.36	3,700.00	3,480.04	32.82	12.80	41.29	-432.79	-1,176.95	352.66	322.44	30.22	11.670		
4,900.00	3,492.29	3,650.00	3,453.32	34.84	12.65	45.73	-404.55	-1,208.37	421.97	393.23	28.74	14.681		
5,000.00	3,487.22	3,607.28	3,428.89	36.89	12.54	49.76	-379.83	-1,233.22	495.90	468.36	27.54	18.004		

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

Stryker Directional
Anticollision Report



BURNETT OIL CO., INC.

Company:	Burnett Oil Company	Local Co-ordinate Reference:	Well The Horned Frog 32H
Project:	Eddy County, New Mexico (NAD83)	TVD Reference:	RKB @ 3309.00usft
Reference Site:	Aggie/Horned Frog/Maverick	MD Reference:	RKB @ 3309.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	The Horned Frog 32H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000 Server
Reference Design:	Design #1	Offset TVD Reference:	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	3,482.16	3,546.60	3,394.09	38.97	12.37	51.27	-344.69	-1,268.36	571.68	544.60	27.07	21.115		
5,200.00	3,477.09	3,485.93	3,359.29	41.07	12.23	52.43	-309.54	-1,303.51	648.34	621.58	26.76	24.226		
5,300.00	3,472.02	3,427.82	3,325.90	43.20	12.06	53.53	-275.92	-1,337.14	725.64	699.04	26.60	27.281		
5,400.00	3,466.96	3,381.73	3,297.75	45.34	11.87	55.22	-250.12	-1,362.93	804.11	777.80	26.30	30.569		
5,500.00	3,461.89	3,339.51	3,269.94	47.50	11.67	56.92	-227.66	-1,385.39	884.04	858.04	26.00	33.997		
5,600.00	3,456.82	3,300.00	3,242.27	49.68	11.46	58.55	-207.72	-1,405.33	965.41	939.69	25.72	37.533		
5,700.00	3,451.75	3,265.75	3,217.06	51.86	11.27	60.21	-191.33	-1,421.72	1,048.15	1,022.72	25.43	41.214		
5,800.00	3,446.69	3,233.67	3,192.47	54.06	11.08	61.74	-176.78	-1,436.28	1,132.19	1,107.03	25.16	44.999		
5,900.00	3,441.62	3,200.00	3,165.68	56.27	10.87	63.08	-162.35	-1,450.71	1,217.44	1,192.49	24.94	48.807		
6,000.00	3,436.55	3,177.75	3,147.47	58.48	10.72	64.56	-153.31	-1,459.74	1,303.78	1,279.12	24.65	52.885		
6,100.00	3,431.49	3,150.00	3,124.22	60.71	10.54	65.77	-142.60	-1,470.45	1,391.16	1,366.72	24.44	56.911		
6,200.00	3,426.42	3,131.05	3,108.01	62.94	10.41	67.02	-135.66	-1,477.39	1,479.47	1,455.27	24.20	61.143		
6,300.00	3,421.35	3,100.00	3,080.91	65.17	10.19	67.95	-124.95	-1,488.10	1,568.71	1,544.64	24.06	65.190		
6,400.00	3,416.28	3,100.00	3,080.91	67.42	10.19	69.27	-124.95	-1,488.10	1,658.63	1,634.89	23.74	69.877		
6,500.00	3,411.22	3,074.46	3,058.14	69.66	10.00	70.10	-116.77	-1,496.28	1,749.25	1,725.64	23.61	74.077		
6,600.00	3,406.15	3,050.00	3,035.96	71.92	9.82	70.88	-109.48	-1,503.57	1,840.60	1,817.11	23.49	78.358		
6,700.00	3,401.08	3,050.00	3,035.96	74.17	9.82	71.86	-109.48	-1,503.57	1,932.48	1,909.23	23.26	83.097		
6,800.00	3,396.02	3,030.00	3,017.58	76.43	9.66	72.55	-103.92	-1,509.14	2,024.90	2,001.75	23.15	87.483		
6,900.00	3,390.95	3,017.28	3,005.77	78.70	9.56	73.25	-100.57	-1,512.48	2,117.82	2,094.81	23.01	92.025		
7,000.00	3,385.88	3,000.00	2,989.60	80.96	9.42	73.87	-96.26	-1,516.79	2,211.22	2,188.31	22.91	96.517		
7,100.00	3,380.81	3,000.00	2,989.60	83.23	9.42	74.56	-96.26	-1,516.79	2,305.01	2,282.25	22.76	101.274		
7,200.00	3,375.75	3,000.00	2,989.60	85.51	9.42	75.20	-96.26	-1,516.79	2,399.29	2,376.67	22.63	106.029		
7,300.00	3,370.68	2,974.46	2,965.44	87.78	9.21	75.63	-90.40	-1,522.65	2,493.66	2,471.07	22.59	110.403		

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

Stryker Directional Anticollision Report



Company:	Burnett Oil Company	Local Co-ordinate Reference:	Well The Horned Frog 32H
Project:	Eddy County, New Mexico (NAD83)	TVD Reference:	RKB @ 3309.00usft
Reference Site:	Aggie/Horned Frog/Maverick	MD Reference:	RKB @ 3309.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	The Horned Frog 32H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000 Server
Reference Design:	Design #1	Offset TVD Reference:	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	1.00	0.00	0.00	0.01	-90.85	-24.00	-1,609.30	1,609.48					
100.00	100.00	101.00	100.00	0.93	0.93	-90.85	-24.00	-1,609.30	1,609.48	1,607.61	1.86	863.591		
200.00	200.00	201.00	200.00	1.51	1.51	-90.85	-24.00	-1,609.30	1,609.48	1,606.46	3.02	533.258		
300.00	300.00	301.00	300.00	1.94	1.94	-90.85	-24.00	-1,609.30	1,609.48	1,605.60	3.88	414.656		
400.00	400.00	401.00	400.00	2.30	2.29	-90.85	-24.00	-1,609.30	1,609.48	1,604.89	4.59	350.592		
500.00	500.00	501.00	500.00	2.61	2.60	-90.85	-24.00	-1,609.30	1,609.48	1,604.27	5.21	308.962		
600.00	600.00	601.00	600.00	2.88	2.88	-90.85	-24.00	-1,609.30	1,609.48	1,603.71	5.77	279.110		
700.00	700.00	701.00	700.00	3.14	3.14	-90.85	-24.00	-1,609.30	1,609.48	1,603.20	6.28	256.345		
800.00	800.00	801.00	800.00	3.38	3.38	-90.85	-24.00	-1,609.30	1,609.48	1,602.72	6.76	238.234		
900.00	900.00	901.00	900.00	3.60	3.60	-90.85	-24.00	-1,609.30	1,609.48	1,602.27	7.21	223.374		
1,000.00	1,000.00	1,001.00	1,000.00	3.82	3.82	-90.85	-24.00	-1,609.30	1,609.48	1,601.84	7.63	210.891		
1,100.00	1,100.00	1,101.00	1,100.00	4.02	4.02	-90.85	-24.00	-1,609.30	1,609.48	1,601.44	8.04	200.209		
1,200.00	1,200.00	1,201.00	1,200.00	4.22	4.21	-90.85	-24.00	-1,609.30	1,609.48	1,601.05	8.43	190.929		
1,300.00	1,300.00	1,301.00	1,300.00	4.40	4.40	-90.85	-24.00	-1,609.30	1,609.48	1,600.67	8.81	182.768		
1,400.00	1,400.00	1,401.00	1,400.00	4.59	4.58	-90.85	-24.00	-1,609.30	1,609.48	1,600.31	9.17	175.516		
1,500.00	1,500.00	1,501.38	1,500.38	4.76	4.76	-90.85	-24.00	-1,609.30	1,609.48	1,599.95	9.52	169.008		
1,600.00	1,600.00	1,638.94	1,637.88	4.93	5.19	-90.96	-26.92	-1,607.61	1,608.29	1,598.35	9.94	161.829		
1,700.00	1,700.00	1,755.35	1,754.06	5.10	5.76	-91.19	-33.39	-1,603.88	1,605.14	1,594.78	10.35	155.060		
1,800.00	1,800.00	1,855.11	1,853.57	5.26	5.99	-91.41	-39.41	-1,600.40	1,601.78	1,591.11	10.67	150.151		
1,900.00	1,900.00	1,954.87	1,953.08	5.42	6.17	-91.63	-45.44	-1,596.92	1,598.45	1,587.48	10.97	145.755		
2,000.00	2,000.00	4,663.45	3,167.70	5.58	38.60	-175.76	-998.60	-174.07	1,538.25	1,509.22	29.04	52.973		
2,100.00	2,100.00	4,662.90	3,167.71	5.73	38.59	-175.73	-998.56	-74.61	1,463.79	1,433.66	30.13	48.577		
2,200.00	2,200.00	4,662.36	3,167.71	5.88	38.58	-175.70	-998.52	-75.15	1,392.53	1,361.21	31.32	44.455		
2,300.00	2,300.00	4,661.82	3,167.71	6.03	38.57	-175.66	-998.48	-75.69	1,324.99	1,292.38	32.61	40.633		
2,400.00	2,400.00	4,661.27	3,167.71	6.17	38.56	-175.63	-998.43	-76.24	1,261.77	1,227.79	33.98	37.136		
2,500.00	2,500.00	4,660.73	3,167.71	6.32	38.55	-175.60	-998.39	-76.78	1,203.54	1,168.13	35.41	33.988		
2,600.00	2,600.00	4,660.18	3,167.71	6.46	38.53	-175.57	-998.35	-77.32	1,151.08	1,114.20	36.88	31.211		
2,700.00	2,700.00	4,659.61	3,167.72	6.58	38.52	-175.54	-998.30	-77.90	1,105.16	1,066.83	38.33	28.834		
2,800.00	2,799.60	4,652.01	3,167.74	7.16	38.37	-175.37	-997.69	-85.47	1,060.76	1,020.94	39.82	26.640		
2,900.00	2,897.13	4,632.44	3,167.81	7.92	37.96	-174.96	-996.02	-104.97	1,013.84	972.80	41.05	24.700		
3,000.00	2,990.68	4,601.93	3,167.92	8.60	37.33	-174.33	-993.14	-135.34	964.57	922.68	41.89	23.028		
3,100.00	3,078.44	4,562.06	3,168.06	9.21	36.50	-173.51	-988.90	-174.98	912.90	870.53	42.37	21.546		
3,200.00	3,158.70	4,514.75	3,168.23	9.74	35.52	-172.55	-983.15	-221.94	858.63	816.10	42.53	20.189		
3,300.00	3,229.90	4,462.09	3,168.42	10.19	34.43	-171.48	-975.84	-274.09	801.50	759.08	42.42	18.896		
3,400.00	3,290.86	4,406.25	3,168.62	10.49	33.27	-170.34	-967.05	-329.23	741.37	699.37	42.00	17.653		
3,500.00	3,348.22	4,352.15	3,168.81	10.64	32.15	-169.24	-957.50	-382.48	684.11	642.84	41.27	16.578		
3,600.00	3,405.39	4,301.10	3,168.99	10.81	31.10	-168.19	-947.57	-432.55	634.11	593.84	40.27	15.747		
3,700.00	3,455.63	4,241.62	3,169.21	11.74	29.87	-166.97	-934.88	-490.67	590.66	551.62	39.04	15.129		
3,800.00	3,494.48	4,170.39	3,169.46	13.40	28.40	-165.51	-918.10	-559.88	551.93	514.42	37.51	14.713		
3,900.00	3,520.74	4,090.28	3,169.75	15.16	26.77	-163.87	-897.18	-637.21	516.08	480.29	35.79	14.419		
4,000.00	3,533.63	4,003.95	3,170.05	16.99	25.02	-162.10	-872.22	-719.85	480.85	446.78	34.07	14.115		
4,100.00	3,533.02	3,913.90	3,170.37	18.82	23.21	-160.24	-843.54	-805.21	444.12	411.73	32.39	13.711		
4,200.00	3,527.95	3,824.19	3,170.69	20.65	21.44	-158.38	-812.32	-889.31	409.55	379.01	30.54	13.412		
4,300.00	3,522.86	3,736.12	3,171.00	22.62	19.68	-156.49	-779.13	-970.88	380.35	351.90	28.46	13.367 SF		
4,400.00	3,517.76	3,664.14	3,170.40	24.61	18.26	-163.84	-749.70	-1,036.54	358.70	332.10	26.60	13.486		
4,500.00	3,512.65	3,600.00	3,164.83	26.64	17.03	157.24	-719.59	-1,092.87	350.82	325.92	24.90	14.089		
4,505.10	3,512.39	3,600.00	3,164.83	26.74	17.03	151.31	-719.59	-1,092.87	350.78	325.84	24.94	14.066 CC, ES		
4,600.00	3,507.54	3,550.00	3,156.72	28.69	16.08	94.56	-693.56	-1,134.76	358.83	334.87	23.95	14.979		
4,700.00	3,502.44	3,500.00	3,145.40	30.75	15.14	77.98	-665.49	-1,174.54	382.81	359.54	23.27	16.452		
4,800.00	3,497.36	3,450.00	3,130.93	32.82	14.22	72.61	-635.61	-1,211.90	420.82	398.10	22.72	18.522		
4,900.00	3,492.29	3,416.41	3,119.49	34.84	13.61	73.09	-614.62	-1,235.51	469.93	447.32	22.62	20.778		
5,000.00	3,487.22	3,379.83	3,105.54	36.89	12.95	72.98	-591.04	-1,259.72	528.39	506.07	22.32	23.670		

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

Stryker Directional
Anticollision Report



Company:	Burnett Oil Company	Local Co-ordinate Reference:	Well The Horned Frog 32H
Project:	Eddy County, New Mexico (NAD83)	TVD Reference:	RKB @ 3309.00usft
Reference Site:	Aggie/Horned Frog/Maverick	MD Reference:	RKB @ 3309.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	The Horned Frog 32H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000 Server
Reference Design:	Design #1	Offset TVD Reference:	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	3,482.16	3,350.00	3,093.03	38.97	12.46	73.60	-571.31	-1,278.26	594.16	572.04	22.12	26.863		
5,200.00	3,477.09	3,318.77	3,078.88	41.07	12.09	73.89	-550.23	-1,296.45	665.62	643.78	21.84	30.477		
5,300.00	3,472.02	3,300.00	3,069.89	43.20	12.04	75.03	-537.38	-1,306.75	741.63	719.91	21.72	34.141		
5,400.00	3,466.96	3,270.60	3,055.07	45.34	11.93	75.19	-517.02	-1,321.92	821.05	799.62	21.44	38.302		
5,500.00	3,461.89	3,250.00	3,044.18	47.50	11.88	75.83	-502.60	-1,331.82	903.39	882.13	21.26	42.489		
5,600.00	3,456.82	3,232.14	3,034.41	49.68	11.83	76.48	-490.03	-1,339.91	988.03	966.85	21.18	46.648		
5,700.00	3,451.75	3,211.81	3,022.93	51.86	11.78	76.90	-475.64	-1,348.55	1,074.58	1,053.52	21.06	51.030		
5,800.00	3,446.69	3,179.40	3,004.34	54.06	11.70	76.75	-452.65	-1,361.82	1,162.36	1,141.50	20.86	55.733		
5,900.00	3,441.62	3,135.69	2,979.27	56.27	11.59	76.18	-421.64	-1,379.72	1,250.50	1,229.87	20.63	60.619		
6,000.00	3,436.55	3,091.97	2,954.20	58.48	11.49	75.69	-390.63	-1,397.63	1,338.87	1,318.39	20.48	65.364		
6,100.00	3,431.49	3,048.26	2,929.12	60.71	11.38	75.26	-359.62	-1,415.53	1,427.44	1,407.00	20.45	69.813		
6,200.00	3,426.42	3,007.96	2,906.00	62.94	11.28	75.00	-331.04	-1,432.03	1,516.18	1,495.73	20.46	74.115		
6,300.00	3,421.35	2,985.33	2,892.63	65.17	11.19	75.31	-315.22	-1,441.16	1,605.43	1,584.98	20.45	78.499		
6,400.00	3,416.28	2,963.53	2,879.22	67.42	11.09	75.61	-300.35	-1,449.75	1,695.32	1,674.87	20.44	82.923		
6,500.00	3,411.22	2,950.00	2,870.63	69.66	11.03	76.10	-291.29	-1,454.98	1,785.81	1,765.40	20.41	87.488		
6,600.00	3,406.15	2,922.42	2,852.51	71.92	10.90	76.23	-273.28	-1,465.38	1,876.75	1,856.29	20.46	91.725		
6,700.00	3,401.08	2,900.00	2,837.21	74.17	10.78	76.47	-259.09	-1,473.57	1,968.21	1,947.72	20.49	96.061		
6,800.00	3,396.02	2,884.50	2,826.34	76.43	10.70	76.83	-249.53	-1,479.09	2,060.08	2,039.58	20.50	100.481		
6,900.00	3,390.95	2,866.69	2,813.55	78.70	10.60	77.13	-238.79	-1,485.29	2,152.36	2,131.83	20.53	104.837		
7,000.00	3,385.88	2,850.00	2,801.29	80.96	10.51	77.43	-228.99	-1,490.95	2,245.00	2,224.45	20.56	109.217		
7,100.00	3,380.81	2,833.24	2,788.71	83.23	10.41	77.71	-219.39	-1,496.49	2,337.99	2,317.39	20.60	113.514		
7,200.00	3,375.75	2,817.55	2,776.71	85.51	10.31	77.99	-210.64	-1,501.54	2,431.29	2,410.65	20.63	117.835		

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

Stryker Directional Anticollision Report



BURNETT OIL CO., INC.

Company:	Burnett Oil Company	Local Co-ordinate Reference:	Well The Horned Frog 32H
Project:	Eddy County, New Mexico (NAD83)	TVD Reference:	RKB @ 3309.00usft
Reference Site:	Aggie/Horned Frog/Maverick	MD Reference:	RKB @ 3309.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	The Horned Frog 32H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000 Server
Reference Design:	Design #1	Offset TVD Reference:	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	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	0.00	0.00	0.00	0.64	60.14	0.68	60.14					
100.00	100.00	100.00	100.00	0.93	0.93	0.64	60.14	0.68	60.14	58.28	1.87	32.207		
200.00	200.00	200.00	200.00	1.51	1.51	0.64	60.14	0.68	60.14	57.12	3.02	19.912		
300.00	300.00	300.00	300.00	1.94	1.94	0.64	60.14	0.68	60.14	56.26	3.88	15.488		
400.00	400.00	400.00	400.00	2.30	2.30	0.64	60.14	0.68	60.14	55.55	4.59	13.097		
500.00	500.00	500.00	500.00	2.61	2.61	0.64	60.14	0.68	60.14	54.93	5.21	11.543		
600.00	600.00	600.00	600.00	2.88	2.88	0.64	60.14	0.68	60.14	54.38	5.77	10.428		
700.00	700.00	700.00	700.00	3.14	3.14	0.64	60.14	0.68	60.14	53.86	6.28	9.578		
800.00	800.00	800.00	800.00	3.38	3.38	0.64	60.14	0.68	60.14	53.39	6.76	8.901		
900.00	900.00	900.00	900.00	3.60	3.60	0.64	60.14	0.68	60.14	52.94	7.21	8.346		
1,000.00	1,000.00	1,000.00	1,000.00	3.82	3.82	0.64	60.14	0.68	60.14	52.51	7.63	7.880		
1,100.00	1,100.00	1,100.00	1,100.00	4.02	4.02	0.64	60.14	0.68	60.14	52.10	8.04	7.481		
1,200.00	1,200.00	1,200.00	1,200.00	4.22	4.22	0.64	60.14	0.68	60.14	51.71	8.43	7.134		
1,300.00	1,300.00	1,300.00	1,300.00	4.40	4.40	0.64	60.14	0.68	60.14	51.34	8.81	6.829		
1,400.00	1,400.00	1,400.00	1,400.00	4.59	4.59	0.64	60.14	0.68	60.14	50.97	9.17	6.558		
1,500.00	1,500.00	1,500.00	1,500.00	4.76	4.76	0.64	60.14	0.68	60.14	50.62	9.52	6.315 CC, ES		
1,600.00	1,600.00	1,598.19	1,598.17	4.93	5.10	-0.15	61.60	-0.17	61.62	51.63	10.00	6.165 SF		
1,700.00	1,700.00	1,696.14	1,695.99	5.10	5.72	-2.33	65.95	-2.68	66.13	55.44	10.69	6.189		
1,800.00	1,800.00	1,795.82	1,795.43	5.26	6.06	-4.89	71.97	-6.16	72.38	61.20	11.18	6.473		
1,900.00	1,900.00	1,895.58	1,894.94	5.42	6.26	-7.04	78.00	-9.63	78.75	67.20	11.56	6.815		
2,000.00	2,000.00	1,995.33	1,994.45	5.58	6.47	-8.87	84.02	-13.11	85.22	73.29	11.93	7.142		
2,100.00	2,100.00	2,095.09	2,093.97	5.73	6.69	-10.44	90.05	-16.59	91.77	79.45	12.32	7.451		
2,200.00	2,200.00	2,194.85	2,193.48	5.88	6.92	-11.80	96.08	-20.07	98.37	85.66	12.71	7.742		
2,300.00	2,300.00	2,283.99	2,282.01	6.03	7.35	-13.46	104.72	-25.06	109.17	95.99	13.18	8.283		
2,400.00	2,400.00	2,367.79	2,363.53	6.17	8.08	-15.94	121.33	-34.65	131.34	117.48	13.86	9.476		
2,500.00	2,500.00	2,450.00	2,440.81	6.32	8.77	-18.47	145.52	-48.62	164.45	149.94	14.52	11.330		
2,600.00	2,600.00	2,517.90	2,501.88	6.46	9.29	-20.33	171.19	-63.44	207.26	192.48	14.78	14.020		
2,700.00	2,700.00	2,582.61	2,557.21	6.58	9.74	-21.82	200.20	-80.19	258.66	243.62	15.04	17.201		
2,800.00	2,799.60	2,638.98	2,602.78	7.16	10.10	-21.30	228.90	-96.76	319.95	304.71	15.24	20.995		
2,900.00	2,897.13	2,685.75	2,638.53	7.92	10.37	-18.46	255.02	-111.84	390.69	375.30	15.39	25.386		
3,000.00	2,990.68	2,723.21	2,665.68	8.60	10.58	-14.26	277.36	-124.73	468.46	452.94	15.52	30.177		
3,100.00	3,078.44	2,750.00	2,684.26	9.21	10.72	-9.26	294.07	-134.39	551.24	535.61	15.63	35.274		
3,200.00	3,158.70	2,773.46	2,699.93	9.74	10.83	-4.22	309.20	-143.12	637.21	621.35	15.86	40.179		
3,300.00	3,229.90	2,800.00	2,716.95	10.19	10.96	0.27	326.83	-153.30	725.01	708.69	16.32	44.427		
3,400.00	3,290.86	2,800.00	2,716.95	10.49	10.96	5.31	326.83	-153.30	812.75	796.38	16.38	49.629		
3,500.00	3,348.22	2,800.00	2,716.95	10.64	10.96	9.46	326.83	-153.30	902.18	885.69	16.49	54.726		
3,600.00	3,405.39	2,800.00	2,716.95	10.81	10.96	12.81	326.83	-153.30	993.50	976.91	16.59	59.899		
3,700.00	3,455.63	2,816.47	2,727.12	11.74	11.02	15.57	338.04	-159.77	1,081.24	1,064.18	17.06	63.362		
3,800.00	3,494.48	2,823.12	2,731.15	13.40	11.05	19.03	342.63	-162.42	1,162.48	1,145.02	17.45	66.599		
3,900.00	3,520.74	2,830.06	2,735.30	15.16	11.08	22.61	347.44	-165.20	1,236.13	1,218.22	17.92	68.991		
4,000.00	3,533.63	2,847.91	2,745.72	16.99	11.15	25.79	359.99	-172.44	1,301.53	1,282.89	18.64	69.815		
4,100.00	3,533.02	2,847.91	2,745.72	18.82	11.15	29.58	359.99	-172.44	1,357.96	1,338.96	18.99	71.504		
4,200.00	3,527.95	2,860.37	2,752.86	20.65	11.19	32.67	368.83	-177.55	1,413.44	1,393.96	19.48	72.570		
4,300.00	3,522.86	2,882.93	2,765.80	22.62	11.25	35.16	384.84	-186.79	1,471.37	1,451.14	20.23	72.737		
4,400.00	3,517.76	2,908.19	2,780.29	24.61	11.31	37.37	402.76	-197.13	1,531.26	1,510.20	21.06	72.704		
4,500.00	3,512.65	2,936.11	2,796.30	26.64	11.37	39.35	422.56	-208.57	1,592.69	1,570.71	21.99	72.442		
4,600.00	3,507.54	2,966.66	2,813.83	28.69	11.44	41.14	444.24	-221.08	1,655.30	1,632.31	22.99	72.015		
4,700.00	3,502.44	3,956.69	3,009.76	30.75	27.11	10.75	885.97	-1,009.65	1,682.19	1,631.60	50.60	33.248		
4,800.00	3,497.36	4,182.78	3,003.76	32.82	31.69	6.22	917.49	-1,233.40	1,697.83	1,640.08	57.75	29.398		
4,900.00	3,492.29	4,413.98	2,997.65	34.84	36.40	1.59	931.37	-1,464.03	1,703.24	1,638.46	64.78	26.292		
5,000.00	3,487.22	4,548.33	2,994.13	36.89	39.08	0.38	931.83	-1,598.33	1,702.80	1,633.20	69.60	24.467		
5,100.00	3,482.16	4,648.30	2,991.50	38.97	41.10	0.38	931.70	-1,698.27	1,702.10	1,628.34	73.76	23.078		

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

Stryker Directional Anticollision Report



BURNETT OIL CO., INC.

Company:	Burnett Oil Company	Local Co-ordinate Reference:	Well The Horned Frog 32H
Project:	Eddy County, New Mexico (NAD83)	TVD Reference:	RKB @ 3309.00usft
Reference Site:	Aggie/Horned Frog/Maverick	MD Reference:	RKB @ 3309.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	The Horned Frog 32H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000 Server
Reference Design:	Design #1	Offset TVD Reference:	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM													Offset Well Error:	0.00 usft
Reference				Offset		Semi Major Axis			Distance				Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	3,477.09	4,748.27	2,988.88	41.07	43.14	0.37	931.57	-1,798.20	1,701.40	1,623.44	77.96	21.825		
5,300.00	3,472.02	4,848.24	2,986.26	43.20	45.22	0.37	931.43	-1,898.14	1,700.70	1,618.51	82.19	20.692		
5,400.00	3,466.96	4,948.21	2,983.64	45.34	47.31	0.37	931.30	-1,998.08	1,700.01	1,613.55	86.45	19.664		
5,500.00	3,461.89	5,048.18	2,981.02	47.50	49.42	0.37	931.17	-2,098.01	1,699.32	1,608.58	90.74	18.726		
5,600.00	3,456.82	5,148.15	2,978.39	49.68	51.55	0.37	931.04	-2,197.95	1,698.63	1,603.58	95.06	17.870		
5,700.00	3,451.75	5,248.12	2,975.77	51.86	53.70	0.36	930.91	-2,297.88	1,697.95	1,598.56	99.39	17.084		
5,800.00	3,446.69	5,348.09	2,973.15	54.06	55.86	0.36	930.77	-2,397.82	1,697.27	1,593.53	103.74	16.360		
5,900.00	3,441.62	5,448.06	2,970.53	56.27	58.03	0.36	930.64	-2,497.75	1,696.60	1,588.49	108.11	15.693		
6,000.00	3,436.55	5,548.03	2,967.90	58.48	60.21	0.36	930.51	-2,597.69	1,695.92	1,583.43	112.49	15.076		
6,100.00	3,431.49	5,648.00	2,965.28	60.71	62.41	0.35	930.38	-2,697.62	1,695.25	1,578.37	116.89	14.503		
6,200.00	3,426.42	5,747.97	2,962.66	62.94	64.61	0.35	930.25	-2,797.56	1,694.59	1,573.29	121.30	13.971		
6,300.00	3,421.35	5,847.94	2,960.04	65.17	66.82	0.35	930.12	-2,897.50	1,693.92	1,568.21	125.72	13.474		
6,400.00	3,416.28	5,947.91	2,957.42	67.42	69.04	0.35	929.98	-2,997.43	1,693.26	1,563.12	130.15	13.010		
6,500.00	3,411.22	6,047.88	2,954.79	69.66	71.26	0.35	929.85	-3,097.37	1,692.61	1,558.02	134.59	12.576		
6,600.00	3,406.15	6,147.85	2,952.17	71.92	73.49	0.34	929.72	-3,197.30	1,691.96	1,552.92	139.04	12.169		
6,700.00	3,401.08	6,247.82	2,949.55	74.17	75.73	0.34	929.59	-3,297.24	1,691.31	1,547.81	143.49	11.787		
6,800.00	3,396.02	6,347.79	2,946.93	76.43	77.97	0.34	929.46	-3,397.17	1,690.66	1,542.70	147.96	11.427		
6,900.00	3,390.95	6,447.76	2,944.30	78.70	80.21	0.34	929.32	-3,497.11	1,690.02	1,537.59	152.43	11.087		
7,000.00	3,385.88	6,547.73	2,941.68	80.96	82.46	0.33	929.19	-3,597.05	1,689.38	1,532.47	156.91	10.767		
7,100.00	3,380.81	6,647.70	2,939.06	83.23	84.72	0.33	929.06	-3,696.98	1,688.74	1,527.34	161.40	10.463		
7,200.00	3,375.75	6,747.67	2,936.44	85.51	86.97	0.33	928.93	-3,796.92	1,688.11	1,522.22	165.89	10.176		
7,300.00	3,370.68	6,847.64	2,933.82	87.78	89.23	0.33	928.80	-3,896.85	1,687.47	1,517.09	170.39	9.904		
7,400.00	3,365.61	6,947.61	2,931.19	90.06	91.50	0.33	928.66	-3,996.79	1,686.85	1,511.96	174.89	9.645		
7,500.00	3,360.55	7,047.58	2,928.57	92.34	93.76	0.32	928.53	-4,096.72	1,686.22	1,506.82	179.40	9.399		
7,600.00	3,355.48	7,147.55	2,925.95	94.62	96.03	0.32	928.40	-4,196.66	1,685.60	1,501.69	183.92	9.165		
7,700.00	3,350.41	7,247.52	2,923.33	96.91	98.31	0.32	928.27	-4,296.59	1,684.99	1,496.55	188.44	8.942		
7,800.00	3,345.34	7,347.50	2,920.70	99.19	100.58	0.32	928.14	-4,396.53	1,684.37	1,491.41	192.96	8.729		
7,900.00	3,340.28	7,447.47	2,918.08	101.48	102.86	0.31	928.00	-4,496.47	1,683.76	1,486.27	197.49	8.526		
8,000.00	3,335.21	7,547.44	2,915.46	103.77	105.13	0.31	927.87	-4,596.40	1,683.16	1,481.13	202.03	8.331		
8,100.00	3,330.14	7,647.41	2,912.84	106.06	107.42	0.31	927.74	-4,696.34	1,682.55	1,475.99	206.57	8.145		
8,200.00	3,325.08	7,747.38	2,910.22	108.35	109.70	0.31	927.61	-4,796.27	1,681.95	1,470.84	211.11	7.967		
8,300.00	3,320.01	7,847.35	2,907.59	110.64	111.98	0.30	927.48	-4,896.21	1,681.36	1,465.70	215.66	7.796		
8,400.00	3,314.94	7,947.32	2,904.97	112.93	114.27	0.30	927.34	-4,996.14	1,680.76	1,460.55	220.21	7.633		
8,500.00	3,309.87	8,047.29	2,902.35	115.23	116.55	0.30	927.21	-5,096.08	1,680.17	1,455.41	224.76	7.475		
8,600.00	3,304.81	8,147.26	2,899.73	117.53	118.84	0.30	927.08	-5,196.02	1,679.59	1,450.26	229.32	7.324		
8,700.00	3,299.74	8,247.23	2,897.10	119.82	121.13	0.30	926.95	-5,295.95	1,679.00	1,445.12	233.89	7.179		
8,800.00	3,294.67	8,347.20	2,894.48	122.12	123.42	0.29	926.82	-5,395.89	1,678.42	1,439.97	238.45	7.039		
8,900.00	3,289.61	8,447.17	2,891.86	124.42	125.72	0.29	926.68	-5,495.82	1,677.85	1,434.82	243.02	6.904		
9,000.00	3,284.54	8,547.14	2,889.24	126.72	128.01	0.29	926.55	-5,595.76	1,677.27	1,429.68	247.60	6.774		
9,100.00	3,279.47	8,647.11	2,886.62	129.02	130.30	0.29	926.42	-5,695.69	1,676.70	1,424.53	252.17	6.649		
9,200.00	3,274.40	8,747.08	2,883.99	131.32	132.60	0.28	926.29	-5,795.63	1,676.14	1,419.38	256.75	6.528		
9,300.00	3,269.34	8,847.05	2,881.37	133.62	134.90	0.28	926.16	-5,895.56	1,675.57	1,414.24	261.34	6.412		
9,400.00	3,264.27	8,938.43	2,878.97	135.92	137.00	0.58	926.04	-5,986.91	1,675.03	1,409.31	265.73	6.304		
9,400.76	3,264.23	8,938.43	2,878.97	135.94	137.00	0.61	926.04	-5,986.91	1,675.03	1,409.29	265.75	6.303		
9,405.32	3,264.00	8,938.43	2,878.97	136.05	137.00	0.77	926.04	-5,986.91	1,675.04	1,409.19	265.86	6.301		

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

Stryker Directional Anticollision Report



BURNETT OIL CO., INC.

Company:	Burnett Oil Company	Local Co-ordinate Reference:	Well The Horned Frog 32H
Project:	Eddy County, New Mexico (NAD83)	TVD Reference:	RKB @ 3309.00usft
Reference Site:	Aggie/Horned Frog/Maverick	MD Reference:	RKB @ 3309.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	The Horned Frog 32H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000 Server
Reference Design:	Design #1	Offset TVD Reference:	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	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	0.00	0.00	0.00	0.18	20.12	0.06	20.12					
100.00	100.00	100.00	100.00	0.93	0.94	0.18	20.12	0.06	20.12	18.25	1.87	10.759		
200.00	200.00	200.00	200.00	1.51	1.51	0.18	20.12	0.06	20.12	17.10	3.02	6.657		
300.00	300.00	300.00	300.00	1.94	1.94	0.18	20.12	0.06	20.12	16.24	3.88	5.180		
400.00	400.00	400.00	400.00	2.30	2.30	0.18	20.12	0.06	20.12	15.53	4.59	4.380		
500.00	500.00	500.00	500.00	2.61	2.61	0.18	20.12	0.06	20.12	14.91	5.21	3.861		
600.00	600.00	600.00	600.00	2.88	2.88	0.18	20.12	0.06	20.12	14.35	5.77	3.488		
700.00	700.00	700.00	700.00	3.14	3.14	0.18	20.12	0.06	20.12	13.84	6.28	3.204		
800.00	800.00	800.00	800.00	3.38	3.38	0.18	20.12	0.06	20.12	13.36	6.76	2.978		
900.00	900.00	900.00	900.00	3.60	3.60	0.18	20.12	0.06	20.12	12.91	7.21	2.792		
1,000.00	1,000.00	1,000.00	1,000.00	3.82	3.82	0.18	20.12	0.06	20.12	12.49	7.63	2.636		
1,100.00	1,100.00	1,100.00	1,100.00	4.02	4.02	0.18	20.12	0.06	20.12	12.08	8.04	2.502		
1,200.00	1,200.00	1,200.00	1,200.00	4.22	4.22	0.18	20.12	0.06	20.12	11.69	8.43	2.387		
1,300.00	1,300.00	1,300.00	1,300.00	4.40	4.40	0.18	20.12	0.06	20.12	11.31	8.81	2.285		
1,400.00	1,400.00	1,400.00	1,400.00	4.59	4.59	0.18	20.12	0.06	20.12	10.95	9.17	2.194		
1,500.00	1,500.00	1,500.00	1,500.00	4.76	4.76	0.18	20.12	0.06	20.12	10.60	9.52	2.113		
1,600.00	1,600.00	1,600.00	1,600.00	4.93	4.93	0.18	20.12	0.06	20.12	10.25	9.87	2.039		
1,700.00	1,700.00	1,700.00	1,700.00	5.10	5.10	0.18	20.12	0.06	20.12	9.92	10.20	1.972		
1,800.00	1,800.00	1,800.00	1,800.00	5.26	5.26	0.18	20.12	0.06	20.12	9.59	10.53	1.911		
1,900.00	1,900.00	1,900.00	1,900.00	5.42	5.42	0.18	20.12	0.06	20.12	9.28	10.84	1.855		
2,000.00	2,000.00	2,000.00	2,000.00	5.58	5.58	0.18	20.12	0.06	20.12	8.96	11.16	1.803		
2,100.00	2,100.00	2,100.00	2,100.00	5.73	5.73	0.18	20.12	0.06	20.12	8.66	11.46	1.755		
2,200.00	2,200.00	2,200.00	2,200.00	5.88	5.88	0.18	20.12	0.06	20.12	8.36	11.76	1.711		
2,300.00	2,300.00	2,300.06	2,300.04	6.03	6.01	-3.33	20.01	-1.17	20.04	8.06	11.98	1.672		
2,310.21	2,310.21	2,310.26	2,310.21	6.04	6.09	-5.25	19.95	-1.83	20.03	8.03	12.00	1.668	CC, ES, SF	
2,400.00	2,400.00	2,398.55	2,397.65	6.17	6.84	-35.84	18.86	-13.62	23.39	11.01	12.37	1.890		
2,500.00	2,500.00	2,491.95	2,487.81	6.32	7.59	-66.14	16.66	-37.65	42.93	29.65	13.29	3.232		
2,600.00	2,600.00	2,577.81	2,567.29	6.46	8.21	-78.91	13.69	-69.87	78.35	64.47	13.88	5.645		
2,700.00	2,700.00	2,654.87	2,634.87	6.58	8.71	-84.46	10.31	-106.66	125.38	111.16	14.22	8.819		
2,800.00	2,799.60	2,725.38	2,692.91	7.16	9.12	-84.84	6.65	-146.49	177.56	163.05	14.51	12.235		
2,900.00	2,897.13	2,791.45	2,743.48	7.92	9.47	-81.45	2.77	-188.78	230.34	215.55	14.80	15.569		
3,000.00	2,990.68	2,850.00	2,784.85	8.60	9.74	-75.53	-1.02	-230.02	283.22	268.30	14.92	18.980		
3,100.00	3,078.44	2,911.62	2,824.59	9.21	9.99	-68.42	-5.33	-276.89	335.89	320.62	15.27	21.999		
3,200.00	3,158.70	2,977.12	2,862.81	9.74	10.17	-60.98	-10.19	-329.85	387.83	372.09	15.74	24.638		
3,300.00	3,229.90	3,058.74	2,909.63	10.19	10.31	-54.90	-16.31	-396.43	434.94	418.29	16.64	26.134		
3,400.00	3,290.86	3,139.77	2,956.10	10.49	10.83	-48.83	-22.39	-462.53	477.14	459.46	17.67	26.997		
3,500.00	3,348.22	3,186.82	2,981.86	10.64	11.53	-40.58	-25.77	-501.73	522.70	504.35	18.35	28.486		
3,600.00	3,405.39	3,229.13	3,002.26	10.81	12.20	-33.43	-28.47	-538.71	575.85	556.59	19.25	29.910		
3,700.00	3,455.63	3,271.83	3,020.03	11.74	12.93	-26.89	-30.87	-577.44	625.82	605.22	20.60	30.376		
3,800.00	3,494.48	3,316.24	3,035.42	13.40	13.74	-20.64	-32.98	-619.03	667.30	645.09	22.22	30.037		
3,900.00	3,520.74	3,362.28	3,047.96	15.16	14.61	-14.73	-34.76	-663.29	699.80	675.79	24.00	29.155		
4,000.00	3,533.63	3,400.00	3,055.58	16.99	15.36	-8.17	-35.89	-700.20	723.00	697.36	25.63	28.208		
4,100.00	3,533.02	3,450.00	3,061.93	18.82	16.38	-3.16	-36.94	-749.77	736.55	708.92	27.63	26.657		
4,200.00	3,527.95	3,509.11	3,063.87	20.65	17.60	0.65	-37.49	-808.81	749.65	719.83	29.82	25.141		
4,300.00	3,522.86	3,599.97	3,061.07	22.62	19.52	1.28	-37.63	-899.64	764.45	731.40	33.05	23.131		
4,400.00	3,517.76	3,698.50	3,057.98	24.61	21.65	1.24	-37.77	-998.12	776.82	740.17	36.65	21.195		
4,500.00	3,512.65	3,797.56	3,054.87	26.64	23.82	1.20	-37.91	-1,097.13	786.56	746.20	40.36	19.488		
4,600.00	3,507.54	3,897.03	3,051.75	28.69	26.02	1.18	-38.06	-1,196.55	793.59	749.45	44.14	17.979		
4,700.00	3,502.44	3,996.80	3,048.62	30.75	28.24	1.16	-38.20	-1,296.26	797.83	749.88	47.95	16.638		
4,800.00	3,497.36	4,096.72	3,045.48	32.82	30.49	1.15	-38.34	-1,396.14	799.24	747.47	51.77	15.437		
4,900.00	3,492.29	4,196.70	3,042.35	34.84	32.74	1.14	-38.49	-1,496.08	798.35	742.83	55.52	14.378		
5,000.00	3,487.22	4,296.69	3,039.21	36.89	35.01	1.14	-38.63	-1,596.01	797.26	737.95	59.31	13.442		

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

Stryker Directional Anticollision Report



BURNETT OIL CO., INC.

Company:	Burnett Oil Company	Local Co-ordinate Reference:	Well The Horned Frog 32H
Project:	Eddy County, New Mexico (NAD83)	TVD Reference:	RKB @ 3309.00usft
Reference Site:	Aggie/Horned Frog/Maverick	MD Reference:	RKB @ 3309.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	The Horned Frog 32H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000 Server
Reference Design:	Design #1	Offset TVD Reference:	Reference Datum

Offset Design												Aggie/Horned Frog/Maverick - The Horned Frog 2H - Wellbore #1 - Design #1	Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance					Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)		Separation Factor	
5,100.00	3,482.16	4,396.67	3,036.07	38.97	37.28	1.13	-38.78	-1,695.94	796.17	733.03	63.13	12.611		
5,200.00	3,477.09	4,496.65	3,032.94	41.07	39.56	1.13	-38.92	-1,795.87	795.08	728.09	66.99	11.869		
5,300.00	3,472.02	4,596.63	3,029.80	43.20	41.84	1.12	-39.06	-1,895.80	794.00	723.12	70.87	11.203		
5,400.00	3,466.96	4,696.61	3,026.67	45.34	44.13	1.12	-39.21	-1,995.74	792.92	718.14	74.78	10.604		
5,500.00	3,461.89	4,796.59	3,023.53	47.50	46.42	1.11	-39.35	-2,095.67	791.84	713.13	78.71	10.060		
5,600.00	3,456.82	4,896.57	3,020.39	49.68	48.71	1.11	-39.50	-2,195.60	790.76	708.11	82.66	9.567		
5,700.00	3,451.75	4,996.56	3,017.26	51.86	51.01	1.10	-39.64	-2,295.53	789.69	703.07	86.63	9.116		
5,800.00	3,446.69	5,096.54	3,014.12	54.06	53.31	1.10	-39.78	-2,395.46	788.63	698.01	90.61	8.703		
5,900.00	3,441.62	5,196.52	3,010.98	56.27	55.61	1.09	-39.93	-2,495.40	787.56	692.94	94.62	8.324		
6,000.00	3,436.55	5,296.50	3,007.85	58.48	57.91	1.09	-40.07	-2,595.33	786.50	687.86	98.64	7.974		
6,100.00	3,431.49	5,396.48	3,004.71	60.71	60.21	1.08	-40.21	-2,695.26	785.44	682.77	102.67	7.650		
6,200.00	3,426.42	5,496.46	3,001.57	62.94	62.52	1.08	-40.36	-2,795.19	784.39	677.67	106.72	7.350		
6,300.00	3,421.35	5,596.44	2,998.44	65.17	64.83	1.07	-40.50	-2,895.12	783.34	672.56	110.78	7.071		
6,400.00	3,416.28	5,696.43	2,995.30	67.42	67.13	1.07	-40.65	-2,995.06	782.29	667.43	114.86	6.811		
6,500.00	3,411.22	5,796.41	2,992.16	69.66	69.44	1.06	-40.79	-3,094.99	781.25	662.30	118.95	6.568		
6,600.00	3,406.15	5,896.39	2,989.03	71.92	71.75	1.06	-40.93	-3,194.92	780.21	657.16	123.05	6.341		
6,700.00	3,401.08	5,996.37	2,985.89	74.17	74.07	1.05	-41.08	-3,294.85	779.17	652.01	127.16	6.127		
6,800.00	3,396.02	6,096.35	2,982.75	76.43	76.38	1.04	-41.22	-3,394.78	778.14	646.85	131.29	5.927		
6,900.00	3,390.95	6,196.33	2,979.62	78.70	78.69	1.04	-41.37	-3,494.72	777.11	641.68	135.42	5.738		
7,000.00	3,385.88	6,296.31	2,976.48	80.96	81.00	1.03	-41.51	-3,594.65	776.08	636.51	139.57	5.561		
7,100.00	3,380.81	6,396.29	2,973.34	83.23	83.32	1.03	-41.65	-3,694.58	775.06	631.33	143.73	5.393		
7,200.00	3,375.75	6,496.28	2,970.21	85.51	85.63	1.02	-41.80	-3,794.51	774.03	626.14	147.90	5.234		
7,300.00	3,370.68	6,596.26	2,967.07	87.78	87.95	1.02	-41.94	-3,894.44	773.02	620.94	152.08	5.083		
7,400.00	3,365.61	6,696.24	2,963.94	90.06	90.26	1.01	-42.09	-3,994.38	772.01	615.74	156.27	4.940		
7,500.00	3,360.55	6,796.22	2,960.80	92.34	92.58	1.01	-42.23	-4,094.31	771.00	610.53	160.47	4.805		
7,600.00	3,355.48	6,896.20	2,957.66	94.62	94.89	1.00	-42.37	-4,194.24	769.99	605.31	164.68	4.676		
7,700.00	3,350.41	6,996.18	2,954.53	96.91	97.21	1.00	-42.52	-4,294.17	768.99	600.09	168.90	4.553		
7,800.00	3,345.34	7,096.16	2,951.39	99.19	99.53	0.99	-42.66	-4,394.10	767.99	594.86	173.13	4.436		
7,900.00	3,340.28	7,196.15	2,948.25	101.48	101.84	0.99	-42.80	-4,494.04	766.99	589.62	177.37	4.324		
8,000.00	3,335.21	7,296.13	2,945.12	103.77	104.16	0.98	-42.95	-4,593.97	766.00	584.38	181.62	4.218		
8,100.00	3,330.14	7,396.11	2,941.98	106.06	106.48	0.98	-43.09	-4,693.90	765.01	579.13	185.88	4.116		
8,200.00	3,325.08	7,496.09	2,938.84	108.35	108.80	0.97	-43.24	-4,793.83	764.03	573.87	190.15	4.018		
8,300.00	3,320.01	7,596.07	2,935.71	110.64	111.11	0.97	-43.38	-4,893.76	763.05	568.61	194.43	3.924		
8,400.00	3,314.94	7,696.05	2,932.57	112.93	113.43	0.96	-43.52	-4,993.70	762.07	563.35	198.72	3.835		
8,500.00	3,309.87	7,796.03	2,929.43	115.23	115.75	0.96	-43.67	-5,093.63	761.10	558.07	203.02	3.749		
8,600.00	3,304.81	7,896.01	2,926.30	117.53	118.07	0.95	-43.81	-5,193.56	760.13	552.80	207.33	3.666		
8,700.00	3,299.74	7,996.00	2,923.16	119.82	120.39	0.94	-43.96	-5,293.49	759.16	547.51	211.65	3.587		
8,800.00	3,294.67	8,095.98	2,920.02	122.12	122.71	0.94	-44.10	-5,393.42	758.20	542.22	215.97	3.511		
8,900.00	3,289.61	8,195.96	2,916.89	124.42	125.03	0.93	-44.24	-5,493.36	757.24	536.93	220.31	3.437		
9,000.00	3,284.54	8,295.94	2,913.75	126.72	127.35	0.93	-44.39	-5,593.29	756.28	531.63	224.65	3.366		
9,100.00	3,279.47	8,395.92	2,910.61	129.02	129.67	0.92	-44.53	-5,693.22	755.33	526.32	229.01	3.298		
9,200.00	3,274.40	8,495.90	2,907.48	131.32	131.99	0.92	-44.68	-5,793.15	754.38	521.01	233.37	3.233		
9,300.00	3,269.34	8,595.88	2,904.34	133.62	134.31	0.91	-44.82	-5,893.09	753.44	515.70	237.74	3.169		
9,400.00	3,264.27	8,695.87	2,901.20	135.92	136.63	0.91	-44.96	-5,993.02	752.50	510.37	242.12	3.108		
9,405.32	3,264.00	8,701.18	2,901.04	136.05	136.75	0.91	-44.97	-5,998.33	752.45	510.09	242.36	3.105		

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

Stryker Directional Anticollision Report



BURNETT OIL CO., INC.

Company:	Burnett Oil Company	Local Co-ordinate Reference:	Well The Horned Frog 32H
Project:	Eddy County, New Mexico (NAD83)	TVD Reference:	RKB @ 3309.00usft
Reference Site:	Aggie/Horned Frog/Maverick	MD Reference:	RKB @ 3309.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	The Horned Frog 32H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000 Server
Reference Design:	Design #1	Offset TVD Reference:	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM													Offset Well Error:	0.00 usft
Reference				Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	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	0.00	0.00	0.00	0.67	40.00	0.47	40.00					
100.00	100.00	100.00	100.00	0.93	0.93	0.67	40.00	0.47	40.00	38.14	1.87	21.422		
200.00	200.00	200.00	200.00	1.51	1.51	0.67	40.00	0.47	40.00	36.98	3.02	13.244		
300.00	300.00	300.00	300.00	1.94	1.94	0.67	40.00	0.47	40.00	36.12	3.88	10.302		
400.00	400.00	400.00	400.00	2.30	2.30	0.67	40.00	0.47	40.00	35.41	4.59	8.712		
500.00	500.00	500.00	500.00	2.61	2.61	0.67	40.00	0.47	40.00	34.79	5.21	7.678		
600.00	600.00	600.00	600.00	2.88	2.88	0.67	40.00	0.47	40.00	34.24	5.77	6.936		
700.00	700.00	700.00	700.00	3.14	3.14	0.67	40.00	0.47	40.00	33.73	6.28	6.371		
800.00	800.00	800.00	800.00	3.38	3.38	0.67	40.00	0.47	40.00	33.25	6.76	5.921		
900.00	900.00	900.00	900.00	3.60	3.60	0.67	40.00	0.47	40.00	32.80	7.21	5.552		
1,000.00	1,000.00	1,000.00	1,000.00	3.82	3.82	0.67	40.00	0.47	40.00	32.37	7.63	5.241		
1,100.00	1,100.00	1,100.00	1,100.00	4.02	4.02	0.67	40.00	0.47	40.00	31.96	8.04	4.976		
1,200.00	1,200.00	1,200.00	1,200.00	4.22	4.22	0.67	40.00	0.47	40.00	31.57	8.43	4.745		
1,300.00	1,300.00	1,300.00	1,300.00	4.40	4.40	0.67	40.00	0.47	40.00	31.20	8.81	4.543		
1,400.00	1,400.00	1,400.00	1,400.00	4.59	4.59	0.67	40.00	0.47	40.00	30.83	9.17	4.362		
1,500.00	1,500.00	1,500.00	1,500.00	4.76	4.76	0.67	40.00	0.47	40.00	30.48	9.52	4.201		
1,600.00	1,600.00	1,600.00	1,600.00	4.93	4.93	0.67	40.00	0.47	40.00	30.14	9.87	4.055		
1,700.00	1,700.00	1,700.00	1,700.00	5.10	5.10	0.67	40.00	0.47	40.00	29.80	10.20	3.922		
1,800.00	1,800.00	1,800.00	1,800.00	5.26	5.26	0.67	40.00	0.47	40.00	29.48	10.53	3.801	CC, ES	
1,900.00	1,900.00	1,899.08	1,899.06	5.42	5.56	-1.18	41.10	-0.85	41.12	30.21	10.91	3.768	SF	
2,000.00	2,000.00	1,997.93	1,997.77	5.58	6.14	-6.13	44.40	-4.77	44.71	33.25	11.45	3.903		
2,100.00	2,100.00	2,097.66	2,097.26	5.73	6.45	-11.67	48.87	-10.10	49.97	38.06	11.91	4.194		
2,200.00	2,200.00	2,197.42	2,196.78	5.88	6.64	-16.13	53.34	-15.43	55.62	43.33	12.29	4.525		
2,300.00	2,300.00	2,297.18	2,296.29	6.03	6.83	-19.75	57.81	-20.76	61.54	48.87	12.66	4.859		
2,400.00	2,400.00	2,396.93	2,395.80	6.17	7.04	-22.73	62.29	-26.09	67.66	54.62	13.04	5.188		
2,500.00	2,500.00	2,496.69	2,495.32	6.32	7.26	-25.20	66.76	-31.42	73.93	60.51	13.42	5.508		
2,600.00	2,600.00	2,596.45	2,594.83	6.46	7.50	-27.29	71.23	-36.75	80.32	66.51	13.81	5.817		
2,700.00	2,700.00	2,694.12	2,692.25	6.58	7.71	-29.07	75.76	-42.15	87.05	72.92	14.14	6.159		
2,800.00	2,799.60	2,781.67	2,778.68	7.16	8.30	-27.64	84.53	-52.60	104.43	89.79	14.64	7.132		
2,900.00	2,897.13	2,863.08	2,857.00	7.92	8.99	-22.53	98.70	-69.49	137.49	122.32	15.16	9.068		
3,000.00	2,990.68	2,935.66	2,924.31	8.60	9.56	-16.33	116.08	-90.20	185.00	169.41	15.59	11.868		
3,100.00	3,078.44	3,000.00	2,981.44	9.21	10.03	-10.37	135.09	-112.85	245.01	228.99	16.02	15.291		
3,200.00	3,158.70	3,050.00	3,023.86	9.74	10.37	-4.53	152.08	-133.11	315.10	298.76	16.34	19.283		
3,300.00	3,229.90	3,092.65	3,058.52	10.19	10.64	0.57	168.06	-152.14	392.95	376.23	16.72	23.505		
3,400.00	3,290.86	3,126.14	3,084.66	10.49	10.84	5.13	181.51	-168.18	476.36	459.28	17.08	27.887		
3,500.00	3,348.22	3,150.00	3,102.67	10.64	10.98	8.98	191.57	-180.16	563.07	545.75	17.32	32.508		
3,600.00	3,405.39	3,182.70	3,126.49	10.81	11.15	11.24	205.97	-197.32	651.60	633.84	17.76	36.685		
3,700.00	3,455.63	3,200.00	3,138.67	11.74	11.25	14.55	213.86	-206.73	738.35	720.31	18.03	40.941		
3,800.00	3,494.48	3,235.32	3,162.60	13.40	11.42	17.18	230.56	-226.63	820.38	801.61	18.77	43.703		
3,900.00	3,520.74	3,261.74	3,179.64	15.16	11.54	20.46	243.53	-242.09	897.00	877.57	19.43	46.164		
4,000.00	3,533.63	3,288.64	3,196.22	16.99	11.66	23.73	257.15	-258.32	967.32	947.11	20.21	47.861		
4,100.00	3,533.02	3,318.11	3,213.47	18.82	11.76	26.80	272.51	-276.62	1,030.85	1,009.77	21.08	48.909		
4,200.00	3,527.95	3,363.46	3,239.48	20.65	11.87	28.96	296.38	-305.08	1,093.11	1,070.74	22.37	48.870		
4,300.00	3,522.86	3,411.07	3,266.79	22.62	11.98	30.85	321.45	-334.95	1,156.42	1,132.58	23.83	48.519		
4,400.00	3,517.76	3,460.89	3,295.36	24.61	12.09	32.54	347.69	-366.22	1,220.28	1,194.83	25.45	47.955		
4,500.00	3,512.65	4,055.58	3,448.42	26.64	21.49	10.92	571.73	-869.49	1,273.80	1,230.46	43.34	29.390		
4,600.00	3,507.54	4,230.85	3,440.12	28.69	25.15	7.42	599.21	-1,042.37	1,299.39	1,249.83	49.56	26.220		
4,700.00	3,502.44	4,412.20	3,431.54	30.75	29.01	3.79	616.46	-1,222.67	1,315.49	1,259.50	55.99	23.494		
4,800.00	3,497.36	4,596.93	3,422.82	32.82	32.94	0.10	622.24	-1,407.07	1,321.80	1,259.36	62.44	21.170		
4,900.00	3,492.29	4,697.52	3,418.09	34.84	35.02	0.07	622.11	-1,507.55	1,322.03	1,255.33	66.70	19.822		
5,000.00	3,487.22	4,797.52	3,413.39	36.89	37.11	0.07	621.97	-1,607.43	1,322.01	1,251.02	70.99	18.623		
5,100.00	3,482.16	4,897.52	3,408.68	38.97	39.23	0.07	621.83	-1,707.32	1,321.99	1,246.66	75.33	17.550		

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

Stryker Directional Anticollision Report



BURNETT OIL CO., INC.

Company:	Burnett Oil Company	Local Co-ordinate Reference:	Well The Horned Frog 32H
Project:	Eddy County, New Mexico (NAD83)	TVD Reference:	RKB @ 3309.00usft
Reference Site:	Aggie/Horned Frog/Maverick	MD Reference:	RKB @ 3309.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	The Horned Frog 32H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000 Server
Reference Design:	Design #1	Offset TVD Reference:	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	3,477.09	4,997.52	3,403.98	41.07	41.38	0.07	621.70	-1,807.21	1,321.97	1,242.27	79.70	16.587		
5,300.00	3,472.02	5,097.52	3,399.28	43.20	43.53	0.07	621.56	-1,907.10	1,321.95	1,237.85	84.10	15.719		
5,400.00	3,466.96	5,197.52	3,394.57	45.34	45.71	0.07	621.43	-2,006.99	1,321.93	1,233.41	88.52	14.933		
5,500.00	3,461.89	5,297.52	3,389.87	47.50	47.89	0.07	621.29	-2,106.88	1,321.91	1,228.95	92.97	14.219		
5,600.00	3,456.82	5,397.52	3,385.16	49.68	50.09	0.07	621.16	-2,206.77	1,321.90	1,224.46	97.43	13.567		
5,700.00	3,451.75	5,497.51	3,380.46	51.86	52.30	0.07	621.02	-2,306.65	1,321.88	1,219.97	101.91	12.971		
5,800.00	3,446.69	5,597.51	3,375.76	54.06	54.52	0.07	620.88	-2,406.54	1,321.86	1,215.45	106.40	12.423		
5,900.00	3,441.62	5,697.51	3,371.05	56.27	56.74	0.07	620.75	-2,506.43	1,321.84	1,210.93	110.91	11.918		
6,000.00	3,436.55	5,797.51	3,366.35	58.48	58.98	0.07	620.61	-2,606.32	1,321.82	1,206.40	115.43	11.452		
6,100.00	3,431.49	5,897.51	3,361.64	60.71	61.22	0.06	620.48	-2,706.21	1,321.80	1,201.85	119.95	11.019		
6,200.00	3,426.42	5,997.51	3,356.94	62.94	63.46	0.06	620.34	-2,806.10	1,321.79	1,197.30	124.49	10.618		
6,300.00	3,421.35	6,097.51	3,352.24	65.17	65.71	0.06	620.21	-2,905.99	1,321.77	1,192.74	129.03	10.244		
6,400.00	3,416.28	6,197.51	3,347.53	67.42	67.97	0.06	620.07	-3,005.87	1,321.75	1,188.18	133.58	9.895		
6,500.00	3,411.22	6,297.51	3,342.83	69.66	70.23	0.06	619.94	-3,105.76	1,321.73	1,183.60	138.13	9.569		
6,600.00	3,406.15	6,397.51	3,338.12	71.92	72.49	0.06	619.80	-3,205.65	1,321.72	1,179.02	142.69	9.263		
6,700.00	3,401.08	6,497.51	3,333.42	74.17	74.75	0.06	619.66	-3,305.54	1,321.70	1,174.44	147.26	8.975		
6,800.00	3,396.02	6,597.51	3,328.72	76.43	77.02	0.06	619.53	-3,405.43	1,321.68	1,169.85	151.83	8.705		
6,900.00	3,390.95	6,697.51	3,324.01	78.70	79.30	0.06	619.39	-3,505.32	1,321.67	1,165.26	156.40	8.450		
7,000.00	3,385.88	6,797.51	3,319.31	80.96	81.57	0.06	619.26	-3,605.21	1,321.65	1,160.67	160.98	8.210		
7,100.00	3,380.81	6,897.51	3,314.61	83.23	83.85	0.06	619.12	-3,705.09	1,321.63	1,156.07	165.56	7.983		
7,200.00	3,375.75	6,997.50	3,309.90	85.51	86.13	0.06	618.99	-3,804.98	1,321.61	1,151.47	170.15	7.767		
7,300.00	3,370.68	7,097.50	3,305.20	87.78	88.41	0.06	618.85	-3,904.87	1,321.60	1,146.86	174.74	7.563		
7,400.00	3,365.61	7,197.50	3,300.49	90.06	90.70	0.06	618.72	-4,004.76	1,321.58	1,142.25	179.33	7.370		
7,500.00	3,360.55	7,297.50	3,295.79	92.34	92.98	0.05	618.58	-4,104.65	1,321.56	1,137.64	183.92	7.185		
7,600.00	3,355.48	7,397.50	3,291.09	94.62	95.27	0.05	618.44	-4,204.54	1,321.55	1,133.03	188.52	7.010		
7,700.00	3,350.41	7,497.50	3,286.38	96.91	97.56	0.05	618.31	-4,304.43	1,321.53	1,128.42	193.12	6.843		
7,800.00	3,345.34	7,597.50	3,281.68	99.19	99.85	0.05	618.17	-4,404.31	1,321.52	1,123.80	197.72	6.684		
7,900.00	3,340.28	7,697.50	3,276.97	101.48	102.14	0.05	618.04	-4,504.20	1,321.50	1,119.18	202.32	6.532		
8,000.00	3,335.21	7,797.50	3,272.27	103.77	104.44	0.05	617.90	-4,604.09	1,321.48	1,114.56	206.92	6.386		
8,100.00	3,330.14	7,897.50	3,267.57	106.06	106.73	0.05	617.77	-4,703.98	1,321.47	1,109.94	211.53	6.247		
8,200.00	3,325.08	7,997.50	3,262.86	108.35	109.03	0.05	617.63	-4,803.87	1,321.45	1,105.32	216.14	6.114		
8,300.00	3,320.01	8,097.50	3,258.16	110.64	111.32	0.05	617.50	-4,903.76	1,321.44	1,100.69	220.75	5.986		
8,400.00	3,314.94	8,197.50	3,253.45	112.93	113.62	0.05	617.36	-5,003.65	1,321.42	1,096.06	225.36	5.864		
8,500.00	3,309.87	8,297.50	3,248.75	115.23	115.92	0.05	617.22	-5,103.53	1,321.41	1,091.44	229.97	5.746		
8,600.00	3,304.81	8,397.50	3,244.05	117.53	118.22	0.05	617.09	-5,203.42	1,321.39	1,086.81	234.58	5.633		
8,700.00	3,299.74	8,497.49	3,239.34	119.82	120.52	0.05	616.95	-5,303.31	1,321.37	1,082.18	239.20	5.524		
8,800.00	3,294.67	8,597.49	3,234.64	122.12	122.82	0.04	616.82	-5,403.20	1,321.36	1,077.55	243.81	5.420		
8,900.00	3,289.61	8,697.49	3,229.93	124.42	125.12	0.04	616.68	-5,503.09	1,321.34	1,072.92	248.43	5.319		
9,000.00	3,284.54	8,797.49	3,225.23	126.72	127.43	0.04	616.55	-5,602.98	1,321.33	1,068.28	253.05	5.222		
9,100.00	3,279.47	8,897.49	3,220.53	129.02	129.73	0.04	616.41	-5,702.87	1,321.31	1,063.65	257.66	5.128		
9,200.00	3,274.40	8,997.49	3,215.82	131.32	132.03	0.04	616.27	-5,802.75	1,321.30	1,059.02	262.28	5.038		
9,300.00	3,269.34	9,097.49	3,211.12	133.62	134.34	0.04	616.14	-5,902.64	1,321.29	1,054.38	266.91	4.950		
9,386.87	3,264.93	9,184.36	3,207.03	135.62	136.34	0.04	616.02	-5,989.42	1,321.27	1,050.35	270.92	4.877		
9,400.00	3,264.27	9,185.06	3,207.00	135.92	136.36	0.58	616.02	-5,990.11	1,321.33	1,050.11	271.21	4.872		
9,405.32	3,264.00	9,185.06	3,207.00	136.05	136.36	0.81	616.02	-5,990.11	1,321.39	1,050.07	271.32	4.870		

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

Stryker Directional Anticollision Report



BURNETT OIL CO., INC.

Company:	Burnett Oil Company	Local Co-ordinate Reference:	Well The Horned Frog 32H
Project:	Eddy County, New Mexico (NAD83)	TVD Reference:	RKB @ 3309.00usft
Reference Site:	Aggie/Horned Frog/Maverick	MD Reference:	RKB @ 3309.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	The Horned Frog 32H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000 Server
Reference Design:	Design #1	Offset TVD Reference:	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM													Offset Well Error:	0.00 usft
Reference				Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	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	0.00	0.00	0.00	-179.31	-19.90	-0.24	19.90					
100.00	100.00	100.00	100.00	0.93	0.93	-179.31	-19.90	-0.24	19.90	18.03	1.87	10.656		
200.00	200.00	200.00	200.00	1.51	1.51	-179.31	-19.90	-0.24	19.90	16.88	3.02	6.588		
300.00	300.00	300.00	300.00	1.94	1.94	-179.31	-19.90	-0.24	19.90	16.02	3.88	5.125		
400.00	400.00	400.00	400.00	2.30	2.30	-179.31	-19.90	-0.24	19.90	15.31	4.59	4.334		
500.00	500.00	500.00	500.00	2.61	2.61	-179.31	-19.90	-0.24	19.90	14.69	5.21	3.819		
600.00	600.00	600.00	600.00	2.88	2.88	-179.31	-19.90	-0.24	19.90	14.13	5.77	3.450		
700.00	700.00	700.00	700.00	3.14	3.14	-179.31	-19.90	-0.24	19.90	13.62	6.28	3.169		
800.00	800.00	800.00	800.00	3.38	3.38	-179.31	-19.90	-0.24	19.90	13.14	6.76	2.945		
900.00	900.00	900.00	900.00	3.60	3.60	-179.31	-19.90	-0.24	19.90	12.69	7.21	2.762		
1,000.00	1,000.00	1,000.00	1,000.00	3.82	3.82	-179.31	-19.90	-0.24	19.90	12.27	7.63	2.607		
1,100.00	1,100.00	1,100.00	1,100.00	4.02	4.02	-179.31	-19.90	-0.24	19.90	11.86	8.04	2.475		
1,200.00	1,200.00	1,200.00	1,200.00	4.22	4.22	-179.31	-19.90	-0.24	19.90	11.47	8.43	2.361		
1,300.00	1,300.00	1,300.00	1,300.00	4.40	4.40	-179.31	-19.90	-0.24	19.90	11.09	8.81	2.260		
1,400.00	1,400.00	1,400.00	1,400.00	4.59	4.59	-179.31	-19.90	-0.24	19.90	10.73	9.17	2.170		
1,500.00	1,500.00	1,500.00	1,500.00	4.76	4.76	-179.31	-19.90	-0.24	19.90	10.38	9.52	2.090	CC, ES, SF	
1,600.00	1,600.00	1,599.33	1,599.31	4.93	4.96	-177.42	-21.46	-0.97	21.49	11.62	9.87	2.177		
1,700.00	1,700.00	1,698.42	1,698.27	5.10	5.57	-173.14	-26.12	-3.14	26.37	15.77	10.60	2.487		
1,800.00	1,800.00	1,798.17	1,797.77	5.26	5.89	-169.38	-32.43	-6.08	33.07	21.98	11.09	2.982		
1,900.00	1,900.00	1,897.92	1,897.28	5.42	6.06	-166.89	-38.74	-9.02	39.87	28.43	11.43	3.487		
2,000.00	2,000.00	1,997.68	1,996.79	5.58	6.25	-165.12	-45.04	-11.96	46.72	34.93	11.78	3.964		
2,100.00	2,100.00	2,097.44	2,096.31	5.73	6.45	-163.81	-51.35	-14.91	53.60	41.45	12.14	4.413		
2,200.00	2,200.00	2,197.19	2,195.82	5.88	6.66	-162.80	-57.66	-17.85	60.50	47.98	12.51	4.834		
2,300.00	2,300.00	2,296.95	2,295.33	6.03	6.89	-162.00	-63.96	-20.79	67.42	54.52	12.89	5.228		
2,400.00	2,400.00	2,389.38	2,387.21	6.17	7.27	-161.11	-72.78	-24.90	77.98	64.65	13.33	5.852		
2,500.00	2,500.00	2,476.14	2,471.70	6.32	8.03	-159.88	-90.41	-33.12	100.36	86.33	14.03	7.155		
2,600.00	2,600.00	2,557.13	2,547.92	6.46	8.72	-158.80	-115.11	-44.64	134.00	119.43	14.57	9.198		
2,700.00	2,700.00	2,631.09	2,614.44	6.58	9.29	-158.02	-144.35	-58.27	177.61	162.67	14.93	11.894		
2,800.00	2,799.60	2,700.00	2,673.11	7.16	9.78	-158.19	-177.05	-73.52	223.38	207.88	15.50	14.413		
2,900.00	2,897.13	2,768.03	2,727.37	7.92	10.20	-159.46	-214.20	-90.85	265.74	249.57	16.17	16.431		
3,000.00	2,990.68	2,833.85	2,775.95	8.60	10.58	-161.64	-254.43	-109.60	304.42	287.68	16.74	18.182		
3,100.00	3,078.44	2,900.00	2,820.45	9.21	10.91	-164.76	-298.76	-130.27	339.24	321.93	17.31	19.601		
3,200.00	3,158.70	2,963.34	2,858.68	9.74	11.18	-169.09	-344.51	-151.61	370.04	352.34	17.70	20.909		
3,300.00	3,229.90	3,059.65	2,913.92	10.19	11.39	-172.76	-416.01	-184.95	392.20	373.37	18.83	20.832		
3,400.00	3,290.86	3,157.27	2,969.91	10.49	11.63	-177.13	-488.48	-218.74	402.32	382.51	19.81	20.311		
3,500.00	3,348.22	3,238.14	3,013.70	10.64	11.85	178.18	-547.90	-251.64	411.17	390.91	20.26	20.294		
3,600.00	3,405.39	3,319.62	3,051.88	10.81	12.22	175.67	-605.68	-294.43	424.34	403.36	20.98	20.221		
3,700.00	3,455.63	3,400.00	3,082.95	11.74	13.50	172.77	-659.50	-345.30	437.79	415.66	22.13	19.784		
3,800.00	3,494.48	3,480.98	3,107.01	13.40	14.84	168.84	-709.45	-404.23	449.34	425.74	23.61	19.034		
3,900.00	3,520.74	3,561.59	3,123.27	15.16	16.21	164.10	-753.93	-469.38	458.70	433.37	25.33	18.109		
4,000.00	3,533.63	3,642.57	3,131.55	16.99	17.61	159.29	-792.46	-540.04	465.65	438.30	27.35	17.024		
4,100.00	3,533.02	3,727.55	3,131.50	18.82	19.06	155.81	-825.51	-618.26	470.23	440.67	29.56	15.909		
4,200.00	3,527.95	3,836.42	3,127.30	20.65	20.90	158.10	-861.80	-720.81	474.34	442.34	32.01	14.819		
4,300.00	3,522.86	3,945.73	3,123.07	22.62	22.87	160.40	-894.29	-825.09	478.45	443.79	34.65	13.806		
4,400.00	3,517.76	4,055.47	3,118.80	24.61	24.92	162.70	-922.88	-930.95	482.51	445.09	37.42	12.893		
4,500.00	3,512.65	4,165.63	3,114.51	26.64	27.01	165.00	-947.47	-1,038.23	486.51	446.22	40.29	12.075		
4,600.00	3,507.54	4,276.19	3,110.19	28.69	29.15	167.31	-967.99	-1,146.77	490.42	447.19	43.23	11.343		
4,700.00	3,502.44	4,387.13	3,105.87	30.75	31.33	169.62	-984.34	-1,256.42	494.22	447.98	46.24	10.689		
4,800.00	3,497.36	4,498.46	3,101.53	32.82	33.54	171.93	-996.48	-1,366.99	497.89	448.61	49.28	10.103		
4,900.00	3,492.29	4,610.18	3,097.20	34.84	35.77	174.24	-1,004.32	-1,478.35	500.98	448.71	52.27	9.584		
5,000.00	3,487.22	4,722.32	3,092.88	36.89	38.01	176.53	-1,007.82	-1,590.34	501.86	446.78	55.09	9.111		
5,100.00	3,482.16	4,825.51	3,088.92	38.97	40.04	177.13	-1,008.12	-1,693.45	500.98	443.11	57.87	8.656		

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

Stryker Directional Anticollision Report



BURNETT OIL CO., INC.

Company:	Burnett Oil Company	Local Co-ordinate Reference:	Well The Horned Frog 32H
Project:	Eddy County, New Mexico (NAD83)	TVD Reference:	RKB @ 3309.00usft
Reference Site:	Aggie/Horned Frog/Maverick	MD Reference:	RKB @ 3309.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	The Horned Frog 32H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000 Server
Reference Design:	Design #1	Offset TVD Reference:	Reference Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM												Offset Well Error:	0.00 usft
Reference				Semi Major Axis			Distance					Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)		Separation Factor
5,200.00	3,477.09	4,925.51	3,085.08	41.07	42.04	177.14	-1,008.26	-1,793.37	500.02	439.27	60.75	8.231	
5,300.00	3,472.02	5,025.50	3,081.24	43.20	44.07	177.15	-1,008.40	-1,893.29	499.05	435.39	63.67	7.839	
5,400.00	3,466.96	5,125.49	3,077.40	45.34	46.12	177.16	-1,008.54	-1,993.21	498.09	431.48	66.61	7.477	
5,500.00	3,461.89	5,225.48	3,073.57	47.50	48.20	177.17	-1,008.68	-2,093.13	497.13	427.54	69.59	7.143	
5,600.00	3,456.82	5,325.48	3,069.73	49.68	50.30	177.17	-1,008.82	-2,193.05	496.17	423.57	72.60	6.834	
5,700.00	3,451.75	5,425.47	3,065.89	51.86	52.42	177.18	-1,008.96	-2,292.97	495.21	419.58	75.64	6.547	
5,800.00	3,446.69	5,525.46	3,062.05	54.06	54.55	177.19	-1,009.10	-2,392.89	494.26	415.56	78.69	6.281	
5,900.00	3,441.62	5,625.45	3,058.22	56.27	56.70	177.20	-1,009.23	-2,492.80	493.30	411.52	81.78	6.032	
6,000.00	3,436.55	5,725.45	3,054.38	58.48	58.86	177.21	-1,009.37	-2,592.72	492.35	407.47	84.88	5.801	
6,100.00	3,431.49	5,825.44	3,050.54	60.71	61.04	177.22	-1,009.51	-2,692.64	491.39	403.39	88.00	5.584	
6,200.00	3,426.42	5,925.43	3,046.70	62.94	63.22	177.23	-1,009.65	-2,792.56	490.44	399.30	91.14	5.381	
6,300.00	3,421.35	6,025.42	3,042.87	65.17	65.42	177.24	-1,009.79	-2,892.48	489.49	395.18	94.31	5.190	
6,400.00	3,416.28	6,125.42	3,039.03	67.42	67.62	177.24	-1,009.93	-2,992.40	488.54	391.06	97.48	5.011	
6,500.00	3,411.22	6,225.41	3,035.19	69.66	69.83	177.25	-1,010.07	-3,092.32	487.59	386.91	100.68	4.843	
6,600.00	3,406.15	6,325.40	3,031.35	71.92	72.04	177.26	-1,010.21	-3,192.23	486.64	382.75	103.89	4.684	
6,700.00	3,401.08	6,425.39	3,027.52	74.17	74.27	177.27	-1,010.35	-3,292.15	485.70	378.58	107.12	4.534	
6,800.00	3,396.02	6,525.39	3,023.68	76.43	76.50	177.28	-1,010.49	-3,392.07	484.75	374.39	110.36	4.392	
6,900.00	3,390.95	6,625.38	3,019.84	78.70	78.73	177.29	-1,010.63	-3,491.99	483.81	370.19	113.62	4.258	
7,000.00	3,385.88	6,725.37	3,016.00	80.96	80.97	177.30	-1,010.77	-3,591.91	482.87	365.97	116.89	4.131	
7,100.00	3,380.81	6,825.36	3,012.17	83.23	83.22	177.31	-1,010.91	-3,691.83	481.93	361.75	120.18	4.010	
7,200.00	3,375.75	6,925.36	3,008.33	85.51	85.46	177.31	-1,011.05	-3,791.75	480.99	357.51	123.48	3.895	
7,300.00	3,370.68	7,025.35	3,004.49	87.78	87.72	177.32	-1,011.19	-3,891.67	480.05	353.25	126.80	3.786	
7,400.00	3,365.61	7,125.34	3,000.65	90.06	89.97	177.33	-1,011.33	-3,991.58	479.11	348.99	130.13	3.682	
7,500.00	3,360.55	7,225.33	2,996.82	92.34	92.23	177.34	-1,011.47	-4,091.50	478.18	344.71	133.47	3.583	
7,600.00	3,355.48	7,325.32	2,992.98	94.62	94.49	177.35	-1,011.61	-4,191.42	477.24	340.42	136.82	3.488	
7,700.00	3,350.41	7,425.32	2,989.14	96.91	96.76	177.36	-1,011.75	-4,291.34	476.31	336.12	140.19	3.398	
7,800.00	3,345.34	7,525.31	2,985.30	99.19	99.03	177.37	-1,011.89	-4,391.26	475.38	331.81	143.57	3.311	
7,900.00	3,340.28	7,625.30	2,981.47	101.48	101.30	177.38	-1,012.03	-4,491.18	474.45	327.48	146.97	3.228	
8,000.00	3,335.21	7,725.29	2,977.63	103.77	103.57	177.38	-1,012.17	-4,591.10	473.52	323.15	150.37	3.149	
8,100.00	3,330.14	7,825.29	2,973.79	106.06	105.85	177.39	-1,012.31	-4,691.01	472.59	318.80	153.79	3.073	
8,200.00	3,325.08	7,925.28	2,969.95	108.35	108.12	177.40	-1,012.45	-4,790.93	471.67	314.44	157.22	3.000	
8,300.00	3,320.01	8,025.27	2,966.12	110.64	110.40	177.41	-1,012.59	-4,890.85	470.74	310.07	160.67	2.930	
8,400.00	3,314.94	8,125.26	2,962.28	112.93	112.68	177.42	-1,012.73	-4,990.77	469.82	305.69	164.13	2.863	
8,500.00	3,309.87	8,225.26	2,958.44	115.23	114.97	177.43	-1,012.87	-5,090.69	468.90	301.30	167.59	2.798	
8,600.00	3,304.81	8,325.25	2,954.60	117.53	117.25	177.44	-1,013.01	-5,190.61	467.98	296.90	171.08	2.735	
8,700.00	3,299.74	8,425.24	2,950.77	119.82	119.54	177.45	-1,013.15	-5,290.53	467.06	292.49	174.57	2.675	
8,800.00	3,294.67	8,525.23	2,946.93	122.12	121.82	177.45	-1,013.29	-5,390.45	466.14	288.06	178.08	2.618	
8,900.00	3,289.61	8,625.23	2,943.09	124.42	124.11	177.46	-1,013.43	-5,490.36	465.22	283.63	181.59	2.562	
9,000.00	3,284.54	8,725.22	2,939.25	126.72	126.40	177.47	-1,013.57	-5,590.28	464.31	279.19	185.12	2.508	
9,100.00	3,279.47	8,825.21	2,935.42	129.02	128.69	177.48	-1,013.71	-5,690.20	463.40	274.73	188.66	2.456	
9,200.00	3,274.40	8,925.20	2,931.58	131.32	130.98	177.49	-1,013.85	-5,790.12	462.48	270.26	192.22	2.406	
9,300.00	3,269.34	9,025.20	2,927.74	133.62	133.28	177.50	-1,013.99	-5,890.04	461.57	265.79	195.79	2.358	
9,400.00	3,264.27	9,125.19	2,923.90	135.92	135.57	177.51	-1,014.13	-5,989.96	460.66	261.30	199.36	2.311	
9,405.32	3,264.00	9,130.51	2,923.70	136.05	135.69	177.51	-1,014.14	-5,995.27	460.62	261.06	199.55	2.308	

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

Stryker Directional Anticollision Report



BURNETT OIL CO., INC.

Company:	Burnett Oil Company	Local Co-ordinate Reference:	Well The Horned Frog 32H
Project:	Eddy County, New Mexico (NAD83)	TVD Reference:	RKB @ 3309.00usft
Reference Site:	Aggie/Horned Frog/Maverick	MD Reference:	RKB @ 3309.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	The Horned Frog 32H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000 Server
Reference Design:	Design #1	Offset TVD Reference:	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
1,800.00	1,800.00	3,800.00	3,169.68	5.26	21.17	-159.25	-1,903.68	-721.12	2,453.57	2,429.22	24.36	100.728		
1,900.00	1,900.00	3,785.12	3,170.28	5.42	20.89	-159.67	-1,908.45	-707.04	2,399.11	2,374.61	24.50	97.921		
2,000.00	2,000.00	3,782.76	3,170.37	5.58	20.85	-159.74	-1,909.22	-704.81	2,347.69	2,322.85	24.84	94.529		
2,100.00	2,100.00	3,780.41	3,170.47	5.73	20.80	-159.80	-1,909.98	-702.59	2,299.47	2,274.31	25.16	91.397		
2,200.00	2,200.00	3,778.05	3,170.56	5.88	20.76	-159.87	-1,910.75	-700.36	2,254.65	2,229.19	25.47	88.534		
2,300.00	2,300.00	3,775.69	3,170.66	6.03	20.72	-159.94	-1,911.52	-698.14	2,213.44	2,187.69	25.75	85.946		
2,400.00	2,400.00	3,773.34	3,170.75	6.17	20.67	-160.00	-1,912.29	-695.91	2,176.05	2,150.03	26.02	83.640		
2,500.00	2,500.00	3,770.99	3,170.85	6.32	20.63	-160.07	-1,913.06	-693.69	2,142.67	2,116.42	26.25	81.621		
2,600.00	2,600.00	3,768.63	3,170.94	6.46	20.58	-160.14	-1,913.83	-691.47	2,113.49	2,087.04	26.45	79.896		
2,700.00	2,700.00	3,766.29	3,171.03	6.58	20.54	-160.20	-1,914.60	-689.26	2,088.67	2,062.06	26.60	78.515		
2,800.00	2,799.60	3,765.59	3,171.06	7.16	20.53	-160.30	-1,914.83	-688.60	2,061.15	2,034.02	27.13	75.985		
2,900.00	2,897.13	3,767.80	3,170.97	7.92	20.57	-160.45	-1,914.11	-690.69	2,025.64	1,997.84	27.81	72.851		
3,000.00	2,990.68	3,772.93	3,170.77	8.60	20.66	-160.66	-1,912.42	-695.53	1,982.41	1,953.96	28.45	69.682		
3,100.00	3,078.44	3,780.98	3,170.44	9.21	20.81	-160.92	-1,909.79	-703.13	1,931.77	1,902.69	29.07	66.443		
3,200.00	3,158.70	3,800.00	3,169.68	9.74	21.17	-160.99	-1,903.68	-721.12	1,874.12	1,844.25	29.87	62.748		
3,300.00	3,229.90	3,800.00	3,169.68	10.19	21.17	-161.78	-1,903.68	-721.12	1,809.80	1,779.61	30.19	59.952		
3,400.00	3,290.86	3,822.28	3,168.78	10.49	21.59	-162.02	-1,896.66	-742.25	1,739.52	1,708.62	30.90	56.295		
3,500.00	3,348.22	3,840.11	3,168.06	10.64	21.93	-162.46	-1,891.17	-759.20	1,669.09	1,637.72	31.37	53.204		
3,600.00	3,405.39	3,858.72	3,167.31	10.81	22.28	-162.93	-1,885.54	-776.93	1,601.45	1,569.58	31.87	50.257		
3,700.00	3,455.63	3,900.00	3,165.64	11.74	23.08	-162.95	-1,873.48	-816.36	1,535.77	1,502.72	33.05	46.466		
3,800.00	3,494.48	3,919.96	3,164.83	13.40	23.47	-164.34	-1,867.86	-835.50	1,472.27	1,438.38	33.89	43.445		
3,900.00	3,520.74	3,964.71	3,163.02	15.16	24.36	-165.32	-1,855.73	-878.54	1,412.67	1,377.24	35.43	39.868		
4,000.00	3,533.63	4,017.53	3,160.88	16.99	25.41	-166.43	-1,842.28	-929.57	1,358.12	1,320.76	37.36	36.350		
4,100.00	3,533.02	4,076.78	3,158.47	18.82	26.60	-167.65	-1,828.31	-987.10	1,309.81	1,270.17	39.64	33.046		
4,200.00	3,527.95	4,139.47	3,155.92	20.65	27.86	-168.92	-1,814.84	-1,048.27	1,267.08	1,224.92	42.16	30.052		
4,300.00	3,522.86	4,200.00	3,153.46	22.62	29.10	-170.46	-1,803.10	-1,107.60	1,229.44	1,184.55	44.89	27.390		
4,400.00	3,517.76	4,271.58	3,150.55	24.61	30.55	-171.60	-1,790.85	-1,178.06	1,197.02	1,149.03	47.99	24.944		
4,500.00	3,512.65	4,340.50	3,147.75	26.64	31.96	-172.99	-1,780.72	-1,246.17	1,169.98	1,118.83	51.15	22.874		
4,600.00	3,507.54	4,400.00	3,145.33	28.69	33.18	-174.99	-1,773.29	-1,305.15	1,148.51	1,094.31	54.20	21.191		
4,700.00	3,502.44	4,482.56	3,141.98	30.75	34.87	-175.85	-1,765.02	-1,387.22	1,132.48	1,074.66	57.82	19.587		
4,800.00	3,497.36	4,555.01	3,139.05	32.82	36.36	-177.30	-1,759.71	-1,459.42	1,122.18	1,060.90	61.28	18.312		
4,900.00	3,492.29	4,627.92	3,136.11	34.84	37.85	-178.76	-1,756.22	-1,532.19	1,116.95	1,052.23	64.72	17.258		
5,000.00	3,487.22	4,701.10	3,133.18	36.89	39.35	-179.79	-1,754.58	-1,605.29	1,114.35	1,046.17	68.18	16.343		
5,100.00	3,482.16	4,801.09	3,129.17	38.97	41.37	-179.79	-1,753.60	-1,705.19	1,112.96	1,040.65	72.31	15.392		
5,200.00	3,477.09	4,901.08	3,125.16	41.07	43.40	-179.80	-1,752.62	-1,805.10	1,111.56	1,035.11	76.45	14.539		
5,300.00	3,472.02	5,001.07	3,121.16	43.20	45.46	-179.80	-1,751.64	-1,905.00	1,110.17	1,029.54	80.63	13.769		
5,400.00	3,466.96	5,101.06	3,117.15	45.34	47.54	-179.80	-1,750.66	-2,004.90	1,108.77	1,023.94	84.83	13.070		
5,500.00	3,461.89	5,201.04	3,113.14	47.50	49.64	-179.80	-1,749.68	-2,104.81	1,107.38	1,018.32	89.06	12.434		
5,600.00	3,456.82	5,301.03	3,109.14	49.68	51.76	-179.80	-1,748.70	-2,204.71	1,105.98	1,012.67	93.31	11.853		
5,700.00	3,451.75	5,401.02	3,105.13	51.86	53.89	-179.80	-1,747.72	-2,304.61	1,104.59	1,007.01	97.58	11.320		
5,800.00	3,446.69	5,501.01	3,101.13	54.06	56.04	-179.80	-1,746.74	-2,404.52	1,103.19	1,001.33	101.87	10.830		
5,900.00	3,441.62	5,601.00	3,097.12	56.27	58.20	-179.81	-1,745.76	-2,504.42	1,101.80	995.63	106.17	10.378		
6,000.00	3,436.55	5,700.99	3,093.11	58.48	60.38	-179.81	-1,744.78	-2,604.32	1,100.41	989.92	110.49	9.960		
6,100.00	3,431.49	5,800.97	3,089.11	60.71	62.56	-179.81	-1,743.80	-2,704.22	1,099.01	984.20	114.81	9.572		
6,200.00	3,426.42	5,900.96	3,085.10	62.94	64.75	-179.81	-1,742.82	-2,804.13	1,097.62	978.47	119.15	9.212		
6,300.00	3,421.35	6,000.95	3,081.09	65.17	66.96	-179.81	-1,741.84	-2,904.03	1,096.23	972.73	123.50	8.876		
6,400.00	3,416.28	6,100.94	3,077.09	67.42	69.17	-179.81	-1,740.86	-3,003.93	1,094.84	966.98	127.86	8.563		
6,500.00	3,411.22	6,200.93	3,073.08	69.66	71.38	-179.82	-1,739.87	-3,103.84	1,093.45	961.22	132.23	8.270		
6,600.00	3,406.15	6,300.91	3,069.07	71.92	73.61	-179.82	-1,738.89	-3,203.74	1,092.06	955.46	136.60	7.995		
6,700.00	3,401.08	6,400.90	3,065.07	74.17	75.84	-179.82	-1,737.91	-3,303.64	1,090.67	949.69	140.98	7.736		
6,800.00	3,396.02	6,500.89	3,061.06	76.43	78.07	-179.82	-1,736.93	-3,403.55	1,089.28	943.91	145.37	7.493		
6,900.00	3,390.95	6,600.88	3,057.06	78.70	80.31	-179.82	-1,735.95	-3,503.45	1,087.89	938.12	149.76	7.264		

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

Stryker Directional Anticollision Report



BURNETT OIL CO., INC.

Company:	Burnett Oil Company	Local Co-ordinate Reference:	Well The Horned Frog 32H
Project:	Eddy County, New Mexico (NAD83)	TVD Reference:	RKB @ 3309.00usft
Reference Site:	Aggie/Horned Frog/Maverick	MD Reference:	RKB @ 3309.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	The Horned Frog 32H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000 Server
Reference Design:	Design #1	Offset TVD Reference:	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
7,000.00	3,385.88	6,700.87	3,053.05	80.96	82.56	179.82	-1,734.97	-3,603.35	1,086.50	932.33	154.17	7.048		
7,100.00	3,380.81	6,800.85	3,049.04	83.23	84.80	179.82	-1,733.99	-3,703.25	1,085.11	926.54	158.57	6.843		
7,200.00	3,375.75	6,900.84	3,045.04	85.51	87.06	179.83	-1,733.01	-3,803.16	1,083.72	920.74	162.98	6.649		
7,300.00	3,370.68	7,000.83	3,041.03	87.78	89.31	179.83	-1,732.03	-3,903.06	1,082.34	914.94	167.40	6.466		
7,400.00	3,365.61	7,100.82	3,037.02	90.06	91.57	179.83	-1,731.05	-4,002.96	1,080.95	909.13	171.82	6.291		
7,500.00	3,360.55	7,200.81	3,033.02	92.34	93.84	179.83	-1,730.07	-4,102.87	1,079.56	903.32	176.24	6.125		
7,600.00	3,355.48	7,300.80	3,029.01	94.62	96.10	179.83	-1,729.09	-4,202.77	1,078.17	897.50	180.67	5.968		
7,700.00	3,350.41	7,400.78	3,025.00	96.91	98.37	179.83	-1,728.11	-4,302.67	1,076.79	891.68	185.11	5.817		
7,800.00	3,345.34	7,500.77	3,021.00	99.19	100.64	179.84	-1,727.13	-4,402.58	1,075.40	885.86	189.54	5.674		
7,900.00	3,340.28	7,600.76	3,016.99	101.48	102.91	179.84	-1,726.15	-4,502.48	1,074.02	880.03	193.98	5.537		
8,000.00	3,335.21	7,700.75	3,012.99	103.77	105.19	179.84	-1,725.17	-4,602.38	1,072.63	874.20	198.43	5.406		
8,100.00	3,330.14	7,800.74	3,008.98	106.06	107.47	179.84	-1,724.19	-4,702.28	1,071.25	868.37	202.88	5.280		
8,200.00	3,325.08	7,900.72	3,004.97	108.35	109.75	179.84	-1,723.21	-4,802.19	1,069.86	862.54	207.33	5.160		
8,300.00	3,320.01	8,000.71	3,000.97	110.64	112.03	179.84	-1,722.23	-4,902.09	1,068.48	856.70	211.78	5.045		
8,400.00	3,314.94	8,100.70	2,996.96	112.93	114.31	179.85	-1,721.25	-5,001.99	1,067.10	850.86	216.24	4.935		
8,500.00	3,309.87	8,200.69	2,992.95	115.23	116.59	179.85	-1,720.27	-5,101.90	1,065.72	845.02	220.70	4.829		
8,600.00	3,304.81	8,300.68	2,988.95	117.53	118.88	179.85	-1,719.29	-5,201.80	1,064.33	839.17	225.16	4.727		
8,700.00	3,299.74	8,400.66	2,984.94	119.82	121.17	179.85	-1,718.30	-5,301.70	1,062.95	833.32	229.63	4.629		
8,800.00	3,294.67	8,500.65	2,980.93	122.12	123.46	179.85	-1,717.32	-5,401.61	1,061.57	827.47	234.10	4.535		
8,900.00	3,289.61	8,600.64	2,976.93	124.42	125.75	179.85	-1,716.34	-5,501.51	1,060.19	821.62	238.57	4.444		
9,000.00	3,284.54	8,700.63	2,972.92	126.72	128.04	179.85	-1,715.36	-5,601.41	1,058.81	815.76	243.04	4.356		
9,100.00	3,279.47	8,800.62	2,968.92	129.02	130.33	179.86	-1,714.38	-5,701.32	1,057.43	809.91	247.52	4.272		
9,200.00	3,274.40	8,900.61	2,964.91	131.32	132.62	179.86	-1,713.40	-5,801.22	1,056.05	804.05	252.00	4.191		
9,300.00	3,269.34	9,000.59	2,960.90	133.62	134.92	179.86	-1,712.42	-5,901.12	1,054.67	798.19	256.48	4.112		
9,400.00	3,264.27	9,100.58	2,956.90	135.92	137.21	179.86	-1,711.44	-6,001.02	1,053.29	792.32	260.97	4.036		
9,405.32	3,264.00	9,105.90	2,956.68	136.05	137.34	179.86	-1,711.39	-6,006.34	1,053.22	792.01	261.21	4.032 CC, ES, SF		

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

Stryker Directional Anticollision Report



BURNETT OIL CO., INC.

Company:	Burnett Oil Company	Local Co-ordinate Reference:	Well The Horned Frog 32H
Project:	Eddy County, New Mexico (NAD83)	TVD Reference:	RKB @ 3309.00usft
Reference Site:	Aggie/Horned Frog/Maverick	MD Reference:	RKB @ 3309.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	The Horned Frog 32H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000 Server
Reference Design:	Design #1	Offset TVD Reference:	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM													Offset Well Error:	0.00 usft
Reference				Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
3,400.00	3,290.86	3,116.02	3,011.02	10.49	10.31	-177.02	-2,724.84	-335.53	2,497.73	2,478.88	18.85	132.501		
3,500.00	3,348.22	3,193.43	3,055.42	10.64	10.44	-176.69	-2,726.55	-398.91	2,439.28	2,419.04	20.24	120.527		
3,600.00	3,405.39	3,270.94	3,099.88	10.81	10.83	-176.35	-2,728.27	-462.39	2,381.11	2,359.36	21.75	109.496		
3,700.00	3,455.63	3,334.93	3,135.40	11.74	11.75	-176.48	-2,729.62	-515.57	2,324.52	2,301.10	23.42	99.251		
3,800.00	3,494.48	3,400.00	3,165.64	13.40	12.78	-176.82	-2,730.68	-573.13	2,271.87	2,246.42	25.45	89.258		
3,900.00	3,520.74	3,450.00	3,184.34	15.16	13.66	-177.72	-2,731.26	-619.49	2,224.84	2,197.28	27.56	80.735		
4,000.00	3,533.63	3,521.37	3,203.89	16.99	15.01	-178.28	-2,731.71	-688.07	2,184.94	2,154.59	30.35	71.999		
4,100.00	3,533.02	3,589.34	3,214.46	18.82	16.37	-179.01	-2,731.74	-755.18	2,153.47	2,120.17	33.30	64.661		
4,200.00	3,527.95	3,659.99	3,216.97	20.65	17.82	-179.72	-2,731.33	-825.74	2,128.03	2,091.54	36.49	58.324		
4,300.00	3,522.86	3,752.94	3,212.57	22.62	19.78	-179.85	-2,730.43	-918.57	2,106.72	2,066.42	40.30	52.276		
4,400.00	3,517.76	3,851.29	3,207.76	24.61	21.89	-179.86	-2,729.46	-1,016.80	2,088.83	2,044.50	44.33	47.119		
4,500.00	3,512.65	3,950.21	3,202.92	26.64	24.05	-179.86	-2,728.49	-1,115.60	2,074.35	2,025.88	48.47	42.793		
4,600.00	3,507.54	4,049.58	3,198.07	28.69	26.24	-179.86	-2,727.51	-1,214.85	2,063.30	2,010.60	52.70	39.150		
4,700.00	3,502.44	4,149.28	3,193.19	30.75	28.46	-179.86	-2,726.53	-1,314.43	2,055.68	1,998.69	57.00	36.065		
4,800.00	3,497.36	4,249.19	3,188.31	32.82	30.70	-179.86	-2,725.55	-1,414.21	2,051.52	1,990.17	61.35	33.441		
4,900.00	3,492.29	4,349.18	3,183.42	34.84	32.95	-179.86	-2,724.57	-1,514.08	2,050.14	1,984.48	65.66	31.223		
5,000.00	3,487.22	4,449.17	3,178.53	36.89	35.21	-179.86	-2,723.58	-1,613.95	2,049.00	1,979.00	70.01	29.268		
5,100.00	3,482.16	4,549.17	3,173.64	38.97	37.48	-179.86	-2,722.60	-1,713.81	2,047.87	1,973.48	74.39	27.530		
5,200.00	3,477.09	4,649.16	3,168.75	41.07	39.75	-179.86	-2,721.62	-1,813.68	2,046.74	1,967.95	78.79	25.977		
5,300.00	3,472.02	4,749.15	3,163.86	43.20	42.03	-179.86	-2,720.64	-1,913.55	2,045.60	1,962.39	83.21	24.582		
5,400.00	3,466.96	4,849.15	3,158.98	45.34	44.32	-179.86	-2,719.65	-2,013.42	2,044.47	1,956.81	87.66	23.324		
5,500.00	3,461.89	4,949.14	3,154.09	47.50	46.61	-179.86	-2,718.67	-2,113.29	2,043.33	1,951.22	92.11	22.183		
5,600.00	3,456.82	5,049.13	3,149.20	49.68	48.90	-179.86	-2,717.69	-2,213.16	2,042.20	1,945.62	96.58	21.145		
5,700.00	3,451.75	5,149.13	3,144.31	51.86	51.19	-179.86	-2,716.70	-2,313.03	2,041.07	1,940.00	101.06	20.196		
5,800.00	3,446.69	5,249.12	3,139.42	54.06	53.49	-179.86	-2,715.72	-2,412.90	2,039.93	1,934.38	105.56	19.326		
5,900.00	3,441.62	5,349.12	3,134.53	56.27	55.79	-179.86	-2,714.74	-2,512.77	2,038.80	1,928.74	110.06	18.525		
6,000.00	3,436.55	5,449.11	3,129.64	58.48	58.09	-179.86	-2,713.75	-2,612.64	2,037.66	1,923.10	114.56	17.786		
6,100.00	3,431.49	5,549.10	3,124.75	60.71	60.39	-179.86	-2,712.77	-2,712.51	2,036.53	1,917.45	119.08	17.103		
6,200.00	3,426.42	5,649.10	3,119.87	62.94	62.70	-179.86	-2,711.79	-2,812.38	2,035.40	1,911.80	123.60	16.468		
6,300.00	3,421.35	5,749.09	3,114.98	65.17	65.00	-179.86	-2,710.81	-2,912.24	2,034.26	1,906.14	128.12	15.877		
6,400.00	3,416.28	5,849.08	3,110.09	67.42	67.31	-179.86	-2,709.82	-3,012.11	2,033.13	1,900.47	132.65	15.327		
6,500.00	3,411.22	5,949.08	3,105.20	69.66	69.62	-179.86	-2,708.84	-3,111.98	2,031.99	1,894.80	137.19	14.812		
6,600.00	3,406.15	6,049.07	3,100.31	71.92	71.93	-179.86	-2,707.86	-3,211.85	2,030.86	1,889.13	141.73	14.329		
6,700.00	3,401.08	6,149.06	3,095.42	74.17	74.24	-179.86	-2,706.87	-3,311.72	2,029.73	1,883.45	146.27	13.876		
6,800.00	3,396.02	6,249.06	3,090.53	76.43	76.55	-179.86	-2,705.89	-3,411.59	2,028.59	1,877.77	150.82	13.451		
6,900.00	3,390.95	6,349.05	3,085.64	78.70	78.86	-179.86	-2,704.91	-3,511.46	2,027.46	1,872.09	155.37	13.050		
7,000.00	3,385.88	6,449.04	3,080.76	80.96	81.17	-179.86	-2,703.92	-3,611.33	2,026.32	1,866.41	159.92	12.671		
7,100.00	3,380.81	6,549.04	3,075.87	83.23	83.48	-179.86	-2,702.94	-3,711.20	2,025.19	1,860.72	164.47	12.313		
7,200.00	3,375.75	6,649.03	3,070.98	85.51	85.79	-179.86	-2,701.96	-3,811.07	2,024.06	1,855.03	169.03	11.975		
7,300.00	3,370.68	6,749.03	3,066.09	87.78	88.11	-179.86	-2,700.98	-3,910.94	2,022.92	1,849.34	173.59	11.654		
7,400.00	3,365.61	6,849.02	3,061.20	90.06	90.42	-179.86	-2,699.99	-4,010.81	2,021.79	1,843.64	178.15	11.349		
7,500.00	3,360.55	6,949.01	3,056.31	92.34	92.74	-179.86	-2,699.01	-4,110.67	2,020.65	1,837.94	182.71	11.059		
7,600.00	3,355.48	7,049.01	3,051.42	94.62	95.05	-179.86	-2,698.03	-4,210.54	2,019.52	1,832.25	187.27	10.784		
7,700.00	3,350.41	7,149.00	3,046.53	96.91	97.37	-179.86	-2,697.04	-4,310.41	2,018.39	1,826.55	191.84	10.521		
7,800.00	3,345.34	7,248.99	3,041.65	99.19	99.68	-179.86	-2,696.06	-4,410.28	2,017.25	1,820.85	196.41	10.271		
7,900.00	3,340.28	7,348.99	3,036.76	101.48	102.00	-179.86	-2,695.08	-4,510.15	2,016.12	1,815.14	200.97	10.032		
8,000.00	3,335.21	7,448.98	3,031.87	103.77	104.32	-179.86	-2,694.10	-4,610.02	2,014.98	1,809.44	205.54	9.803		
8,100.00	3,330.14	7,548.97	3,026.98	106.06	106.63	-179.86	-2,693.11	-4,709.89	2,013.85	1,803.74	210.11	9.585		
8,200.00	3,325.08	7,648.97	3,022.09	108.35	108.95	-179.86	-2,692.13	-4,809.76	2,012.72	1,798.03	214.69	9.375		
8,300.00	3,320.01	7,748.96	3,017.20	110.64	111.27	-179.86	-2,691.15	-4,909.63	2,011.58	1,792.32	219.26	9.174		
8,400.00	3,314.94	7,848.95	3,012.31	112.93	113.58	-179.86	-2,690.16	-5,009.50	2,010.45	1,786.61	223.83	8.982		
8,500.00	3,309.87	7,948.95	3,007.42	115.23	115.90	-179.86	-2,689.18	-5,109.37	2,009.31	1,780.91	228.41	8.797		

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

Stryker Directional
Anticollision Report



Company:	Burnett Oil Company	Local Co-ordinate Reference:	Well The Horned Frog 32H
Project:	Eddy County, New Mexico (NAD83)	TVD Reference:	RKB @ 3309.00usft
Reference Site:	Aggie/Horned Frog/Maverick	MD Reference:	RKB @ 3309.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	The Horned Frog 32H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000 Server
Reference Design:	Design #1	Offset TVD Reference:	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
8,600.00	3,304.81	8,048.94	3,002.54	117.53	118.22	-179.86	-2,688.20	-5,209.24	2,008.18	1,775.20	232.98	8.619		
8,700.00	3,299.74	8,148.94	2,997.65	119.82	120.54	-179.86	-2,687.21	-5,309.10	2,007.05	1,769.49	237.56	8.449		
8,800.00	3,294.67	8,248.93	2,992.76	122.12	122.86	-179.86	-2,686.23	-5,408.97	2,005.91	1,763.77	242.14	8.284		
8,900.00	3,289.61	8,348.92	2,987.87	124.42	125.18	-179.86	-2,685.25	-5,508.84	2,004.78	1,758.06	246.71	8.126		
9,000.00	3,284.54	8,448.92	2,982.98	126.72	127.49	-179.86	-2,684.27	-5,608.71	2,003.64	1,752.35	251.29	7.973		
9,100.00	3,279.47	8,548.91	2,978.09	129.02	129.81	-179.86	-2,683.28	-5,708.58	2,002.51	1,746.64	255.87	7.826		
9,200.00	3,274.40	8,648.90	2,973.20	131.32	132.13	-179.86	-2,682.30	-5,808.45	2,001.37	1,740.92	260.45	7.684		
9,300.00	3,269.34	8,748.90	2,968.31	133.62	134.45	-179.86	-2,681.32	-5,908.32	2,000.24	1,735.21	265.03	7.547		
9,400.00	3,264.27	8,848.89	2,963.43	135.92	136.77	-179.86	-2,680.33	-6,008.19	1,999.11	1,729.49	269.61	7.415		
9,405.32	3,264.00	8,854.21	2,963.17	136.05	136.89	-179.86	-2,680.28	-6,013.50	1,999.05	1,729.19	269.86	7.408	CC, ES, SF	

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

Stryker Directional Anticollision Report



BURNETT OIL CO., INC.

Company:	Burnett Oil Company	Local Co-ordinate Reference:	Well The Horned Frog 32H
Project:	Eddy County, New Mexico (NAD83)	TVD Reference:	RKB @ 3309.00usft
Reference Site:	Aggie/Horned Frog/Maverick	MD Reference:	RKB @ 3309.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	The Horned Frog 32H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000 Server
Reference Design:	Design #1	Offset TVD Reference:	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM													Offset Well Error:	0.00 usft
Reference				Offset			Semi Major Axis			Distance			Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
2,600.00	2,600.00	3,950.00	3,531.96	6.46	17.81	-162.25	-2,198.51	-703.83	2,489.46	2,465.90	23.56	105.686		
2,700.00	2,700.00	3,950.00	3,531.96	6.58	17.81	-162.25	-2,198.51	-703.83	2,453.74	2,429.91	23.83	102.975		
2,800.00	2,799.60	3,963.75	3,532.95	7.16	18.09	-161.98	-2,193.94	-716.76	2,414.71	2,390.01	24.70	97.752		
2,900.00	2,897.13	3,970.77	3,533.35	7.92	18.23	-162.01	-2,191.66	-723.39	2,367.48	2,341.93	25.55	92.677		
3,000.00	2,990.68	3,979.18	3,533.72	8.60	18.40	-162.13	-2,188.98	-731.36	2,312.44	2,286.11	26.33	87.819		
3,100.00	3,078.44	4,000.00	3,534.19	9.21	18.83	-162.06	-2,182.58	-751.16	2,250.15	2,222.85	27.30	82.412		
3,200.00	3,158.70	4,000.00	3,534.19	9.74	18.83	-162.65	-2,182.58	-751.16	2,181.03	2,153.26	27.78	78.516		
3,300.00	3,229.90	4,011.58	3,534.16	10.19	19.06	-163.08	-2,179.18	-762.23	2,105.97	2,077.54	28.43	74.066		
3,400.00	3,290.86	4,032.78	3,533.58	10.49	19.47	-163.36	-2,173.23	-782.56	2,025.87	1,996.66	29.21	69.356		
3,500.00	3,348.22	4,032.78	3,533.58	10.64	19.47	-164.32	-2,173.23	-782.56	1,945.20	1,915.72	29.47	65.996		
3,600.00	3,405.39	4,059.12	3,532.43	10.81	20.00	-164.56	-2,166.18	-807.92	1,866.10	1,835.76	30.34	61.499		
3,700.00	3,455.63	4,084.88	3,531.30	11.74	20.51	-165.14	-2,159.51	-832.78	1,789.31	1,757.92	31.39	57.009		
3,800.00	3,494.48	4,119.88	3,529.77	13.40	21.23	-165.89	-2,150.81	-866.64	1,716.74	1,683.93	32.81	52.322		
3,900.00	3,520.74	4,163.37	3,527.87	15.16	22.13	-166.80	-2,140.58	-908.87	1,650.43	1,615.81	34.62	47.669		
4,000.00	3,533.63	4,200.00	3,526.26	16.99	22.89	-168.36	-2,132.46	-944.55	1,592.48	1,555.92	36.56	43.563		
4,100.00	3,533.02	4,270.75	3,523.15	18.82	24.39	-168.98	-2,118.07	-1,013.75	1,544.31	1,504.89	39.42	39.172		
4,200.00	3,527.95	4,330.25	3,520.54	20.65	25.67	-170.17	-2,107.30	-1,072.21	1,503.22	1,460.95	42.27	35.564		
4,300.00	3,522.86	4,400.00	3,517.47	22.62	27.16	-171.07	-2,096.23	-1,141.00	1,467.33	1,421.75	45.58	32.192		
4,400.00	3,517.76	4,454.89	3,515.05	24.61	28.34	-172.66	-2,088.69	-1,195.32	1,436.71	1,387.94	48.77	29.459		
4,500.00	3,512.65	4,519.55	3,512.21	26.64	29.73	-173.95	-2,081.15	-1,259.47	1,411.63	1,359.37	52.26	27.012		
4,600.00	3,507.54	4,600.00	3,508.67	28.69	31.46	-174.66	-2,073.80	-1,339.50	1,392.28	1,336.15	56.13	24.803		
4,700.00	3,502.44	4,652.16	3,506.38	30.75	32.58	-176.59	-2,070.23	-1,391.49	1,378.43	1,318.89	59.54	23.152		
4,800.00	3,497.36	4,719.52	3,503.43	32.82	34.03	-177.94	-2,067.03	-1,458.71	1,370.48	1,307.22	63.26	21.664		
4,900.00	3,492.29	4,793.87	3,500.19	34.84	35.61	-179.01	-2,065.34	-1,532.97	1,367.73	1,300.67	67.06	20.396		
5,000.00	3,487.22	4,883.95	3,496.26	36.89	37.49	-179.42	-2,064.45	-1,622.95	1,366.58	1,295.43	71.15	19.208		
5,100.00	3,482.16	4,983.94	3,491.90	38.97	39.60	-179.42	-2,063.47	-1,722.84	1,365.46	1,289.98	75.48	18.090		
5,200.00	3,477.09	5,083.93	3,487.54	41.07	41.73	-179.42	-2,062.49	-1,822.74	1,364.35	1,284.50	79.85	17.086		
5,300.00	3,472.02	5,183.92	3,483.18	43.20	43.88	-179.42	-2,061.50	-1,922.63	1,363.24	1,278.98	84.25	16.180		
5,400.00	3,466.96	5,283.91	3,478.82	45.34	46.04	-179.41	-2,060.52	-2,022.52	1,362.12	1,273.44	88.68	15.360		
5,500.00	3,461.89	5,383.90	3,474.46	47.50	48.22	-179.41	-2,059.54	-2,122.41	1,361.01	1,267.89	93.13	14.615		
5,600.00	3,456.82	5,483.89	3,470.10	49.68	50.41	-179.41	-2,058.56	-2,222.30	1,359.90	1,262.31	97.59	13.935		
5,700.00	3,451.75	5,583.88	3,465.74	51.86	52.62	-179.41	-2,057.57	-2,322.19	1,358.79	1,256.71	102.07	13.312		
5,800.00	3,446.69	5,683.88	3,461.38	54.06	54.83	-179.41	-2,056.59	-2,422.08	1,357.67	1,251.11	106.57	12.740		
5,900.00	3,441.62	5,783.87	3,457.02	56.27	57.05	-179.41	-2,055.61	-2,521.97	1,356.56	1,245.49	111.07	12.213		
6,000.00	3,436.55	5,883.86	3,452.66	58.48	59.28	-179.41	-2,054.63	-2,621.87	1,355.45	1,239.86	115.59	11.726		
6,100.00	3,431.49	5,983.85	3,448.30	60.71	61.51	-179.41	-2,053.64	-2,721.76	1,354.34	1,234.22	120.12	11.275		
6,200.00	3,426.42	6,083.84	3,443.94	62.94	63.75	-179.40	-2,052.66	-2,821.65	1,353.23	1,228.58	124.66	10.856		
6,300.00	3,421.35	6,183.83	3,439.58	65.17	66.00	-179.40	-2,051.68	-2,921.54	1,352.12	1,222.92	129.20	10.465		
6,400.00	3,416.28	6,283.82	3,435.22	67.42	68.25	-179.40	-2,050.70	-3,021.43	1,351.01	1,217.26	133.75	10.101		
6,500.00	3,411.22	6,383.81	3,430.86	69.66	70.50	-179.40	-2,049.71	-3,121.32	1,349.90	1,211.60	138.31	9.760		
6,600.00	3,406.15	6,483.81	3,426.50	71.92	72.76	-179.40	-2,048.73	-3,221.21	1,348.80	1,205.93	142.87	9.441		
6,700.00	3,401.08	6,583.80	3,422.14	74.17	75.03	-179.40	-2,047.75	-3,321.10	1,347.69	1,200.25	147.44	9.141		
6,800.00	3,396.02	6,683.79	3,417.78	76.43	77.30	-179.40	-2,046.77	-3,421.00	1,346.58	1,194.57	152.01	8.858		
6,900.00	3,390.95	6,783.78	3,413.42	78.70	79.57	-179.39	-2,045.79	-3,520.89	1,345.47	1,188.89	156.59	8.592		
7,000.00	3,385.88	6,883.77	3,409.06	80.96	81.84	-179.39	-2,044.80	-3,620.78	1,344.37	1,183.20	161.17	8.341		
7,100.00	3,380.81	6,983.76	3,404.70	83.23	84.12	-179.39	-2,043.82	-3,720.67	1,343.26	1,177.51	165.75	8.104		
7,200.00	3,375.75	7,083.75	3,400.33	85.51	86.39	-179.39	-2,042.84	-3,820.56	1,342.15	1,171.82	170.34	7.879		
7,300.00	3,370.68	7,183.74	3,395.97	87.78	88.67	-179.39	-2,041.86	-3,920.45	1,341.05	1,166.12	174.93	7.666		
7,400.00	3,365.61	7,283.74	3,391.61	90.06	90.96	-179.39	-2,040.87	-4,020.34	1,339.94	1,160.42	179.52	7.464		
7,500.00	3,360.55	7,383.73	3,387.25	92.34	93.24	-179.39	-2,039.89	-4,120.24	1,338.84	1,154.72	184.11	7.272		
7,600.00	3,355.48	7,483.72	3,382.89	94.62	95.53	-179.39	-2,038.91	-4,220.13	1,337.73	1,149.02	188.71	7.089		
7,700.00	3,350.41	7,583.71	3,378.53	96.91	97.82	-179.38	-2,037.93	-4,320.02	1,336.63	1,143.32	193.31	6.914		

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

Stryker Directional
Anticollision Report



Company:	Burnett Oil Company	Local Co-ordinate Reference:	Well The Horned Frog 32H
Project:	Eddy County, New Mexico (NAD83)	TVD Reference:	RKB @ 3309.00usft
Reference Site:	Aggie/Horned Frog/Maverick	MD Reference:	RKB @ 3309.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	The Horned Frog 32H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000 Server
Reference Design:	Design #1	Offset TVD Reference:	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore +N/-S (usft)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
7,800.00	3,345.34	7,683.70	3,374.17	99.19	100.11	-179.38	-2,036.94	-4,419.91	1,335.52	1,137.61	197.91	6.748		
7,900.00	3,340.28	7,783.69	3,369.81	101.48	102.40	-179.38	-2,035.96	-4,519.80	1,334.42	1,131.91	202.51	6.589		
8,000.00	3,335.21	7,883.68	3,365.45	103.77	104.69	-179.38	-2,034.98	-4,619.69	1,333.32	1,126.20	207.12	6.437		
8,100.00	3,330.14	7,983.67	3,361.09	106.06	106.99	-179.38	-2,034.00	-4,719.58	1,332.22	1,120.49	211.72	6.292		
8,200.00	3,325.08	8,083.67	3,356.73	108.35	109.28	-179.38	-2,033.01	-4,819.47	1,331.11	1,114.78	216.33	6.153		
8,300.00	3,320.01	8,183.66	3,352.37	110.64	111.58	-179.38	-2,032.03	-4,919.37	1,330.01	1,109.07	220.94	6.020		
8,400.00	3,314.94	8,283.65	3,348.01	112.93	113.88	-179.37	-2,031.05	-5,019.26	1,328.91	1,103.36	225.55	5.892		
8,500.00	3,309.87	8,383.64	3,343.65	115.23	116.17	-179.37	-2,030.07	-5,119.15	1,327.81	1,097.65	230.16	5.769		
8,600.00	3,304.81	8,483.63	3,339.29	117.53	118.47	-179.37	-2,029.08	-5,219.04	1,326.71	1,091.94	234.77	5.651		
8,700.00	3,299.74	8,583.62	3,334.93	119.82	120.77	-179.37	-2,028.10	-5,318.93	1,325.61	1,086.22	239.39	5.538		
8,800.00	3,294.67	8,683.61	3,330.57	122.12	123.08	-179.37	-2,027.12	-5,418.82	1,324.51	1,080.51	244.00	5.428		
8,900.00	3,289.61	8,783.60	3,326.21	124.42	125.38	-179.37	-2,026.14	-5,518.71	1,323.41	1,074.79	248.62	5.323		
9,000.00	3,284.54	8,883.60	3,321.85	126.72	127.68	-179.37	-2,025.16	-5,618.60	1,322.31	1,069.08	253.23	5.222		
9,100.00	3,279.47	8,983.59	3,317.49	129.02	129.98	-179.36	-2,024.17	-5,718.50	1,321.21	1,063.37	257.85	5.124		
9,200.00	3,274.40	9,083.58	3,313.13	131.32	132.29	-179.36	-2,023.19	-5,818.39	1,320.11	1,057.65	262.46	5.030		
9,300.00	3,269.34	9,183.57	3,308.77	133.62	134.59	-179.36	-2,022.21	-5,918.28	1,319.02	1,051.93	267.08	4.939		
9,400.00	3,264.27	9,283.56	3,304.41	135.92	136.90	-179.36	-2,021.23	-6,018.17	1,317.92	1,046.22	271.70	4.851		
9,405.32	3,264.00	9,288.88	3,304.18	136.05	137.02	-179.36	-2,021.17	-6,023.48	1,317.86	1,045.92	271.95	4.846	CC, ES, SF	

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

Stryker Directional
Anticollision Report



Company:	Burnett Oil Company	Local Co-ordinate Reference:	Well The Horned Frog 32H
Project:	Eddy County, New Mexico (NAD83)	TVD Reference:	RKB @ 3309.00usft
Reference Site:	Aggie/Horned Frog/Maverick	MD Reference:	RKB @ 3309.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	The Horned Frog 32H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000 Server
Reference Design:	Design #1	Offset TVD Reference:	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
3,600.00	3,405.39	2,950.00	2,949.49	10.81	8.89	174.64	-2,796.24	-84.46	2,477.59	2,459.32	18.27	135.582		
3,700.00	3,455.63	2,979.95	2,977.83	11.74	9.13	173.21	-2,802.47	-91.88	2,434.95	2,415.64	19.31	126.129		
3,800.00	3,494.48	3,000.00	2,996.56	13.40	9.29	171.40	-2,807.06	-97.35	2,399.47	2,378.89	20.58	116.590		
3,900.00	3,520.74	3,025.74	3,020.31	15.16	9.49	169.39	-2,813.45	-104.96	2,372.75	2,350.63	22.12	107.247		
4,000.00	3,533.63	3,050.00	3,042.35	16.99	9.68	167.20	-2,819.96	-112.73	2,356.21	2,332.31	23.89	98.609		
4,100.00	3,533.02	3,050.00	3,042.35	18.82	9.68	164.72	-2,819.96	-112.73	2,350.74	2,325.06	25.67	91.558		
4,104.45	3,532.80	3,050.00	3,042.35	18.90	9.68	164.61	-2,819.96	-112.73	2,350.73	2,324.97	25.76	91.267	CC, ES	
4,200.00	3,527.95	3,075.06	3,064.74	20.65	9.86	162.50	-2,827.20	-121.35	2,353.91	2,326.28	27.63	85.180		
4,300.00	3,522.86	3,100.00	3,086.62	22.62	10.04	160.32	-2,834.89	-130.51	2,364.58	2,334.84	29.74	79.520		
4,400.00	3,517.76	3,100.00	3,086.62	24.61	10.04	157.91	-2,834.89	-130.51	2,382.45	2,350.71	31.73	75.080		
4,500.00	3,512.65	3,126.74	3,109.59	26.64	10.23	155.89	-2,843.67	-140.98	2,407.35	2,373.51	33.84	71.134		
4,600.00	3,507.54	3,150.00	3,129.16	28.69	10.39	153.92	-2,851.76	-150.62	2,439.07	2,403.18	35.89	67.965		
4,700.00	3,502.44	3,168.16	3,144.14	30.75	10.50	151.99	-2,858.36	-158.48	2,477.24	2,439.40	37.85	65.454	SF	

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

Stryker Directional
Anticollision Report



Company:	Burnett Oil Company	Local Co-ordinate Reference:	Well The Horned Frog 32H
Project:	Eddy County, New Mexico (NAD83)	TVD Reference:	RKB @ 3309.00usft
Reference Site:	Aggie/Horned Frog/Maverick	MD Reference:	RKB @ 3309.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	The Horned Frog 32H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000 Server
Reference Design:	Design #1	Offset TVD Reference:	Reference Datum

Offset Design Aggie/Horned Frog/Maverick - The Maverick 3H - Wellbore #1 - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,100.00	3,533.02	2,720.90	2,712.27	18.82	9.39	164.26	-2,870.93	-79.30	2,495.81	2,469.75	26.06	95.764		
4,104.45	3,532.80	2,721.24	2,712.58	18.90	9.40	164.16	-2,871.06	-79.37	2,495.81	2,469.67	26.14	95.473 CC, ES		
4,200.00	3,527.95	2,728.48	2,719.04	20.65	9.45	161.90	-2,873.89	-81.01	2,499.21	2,471.35	27.86	89.717 SF		

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

Stryker Directional Anticollision Report



BURNETT OIL CO., INC.

Company:	Burnett Oil Company	Local Co-ordinate Reference:	Well The Horned Frog 32H
Project:	Eddy County, New Mexico (NAD83)	TVD Reference:	RKB @ 3309.00usft
Reference Site:	Aggie/Horned Frog/Maverick	MD Reference:	RKB @ 3309.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	The Horned Frog 32H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000 Server
Reference Design:	Design #1	Offset TVD Reference:	Reference Datum

Offset Design													Offset Site Error:	0.00 usft	
Survey Program: 530-INC-ONLY													Offset Well Error:		0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor			
7,400.00	3,365.61	3,345.96	3,356.64	90.06	79.08	-132.29	-2,373.15	-5,844.17	2,484.76	2,353.24	131.52	18.893			
7,500.00	3,360.55	3,341.21	3,351.89	92.34	78.98	-133.88	-2,373.12	-5,844.17	2,411.70	2,276.74	134.96	17.870			
7,600.00	3,355.48	3,336.46	3,347.14	94.62	78.87	-135.57	-2,373.10	-5,844.17	2,340.62	2,202.05	138.58	16.890			
7,700.00	3,350.41	3,331.71	3,342.39	96.91	78.77	-137.37	-2,373.07	-5,844.17	2,271.72	2,129.33	142.38	15.955			
7,800.00	3,345.34	3,326.96	3,337.64	99.19	78.67	-139.28	-2,373.05	-5,844.17	2,205.18	2,058.81	146.37	15.066			
7,900.00	3,340.28	3,322.21	3,332.89	101.48	78.57	-141.30	-2,373.03	-5,844.17	2,141.24	1,990.71	150.53	14.224			
8,000.00	3,335.21	3,317.46	3,328.14	103.77	78.47	-143.44	-2,373.01	-5,844.17	2,080.13	1,925.26	154.86	13.432			
8,100.00	3,330.14	3,312.71	3,323.39	106.06	78.37	-145.72	-2,372.99	-5,844.17	2,022.11	1,862.76	159.35	12.690			
8,200.00	3,325.08	3,307.96	3,318.64	108.35	78.26	-148.12	-2,372.97	-5,844.17	1,967.45	1,803.48	163.97	11.999			
8,300.00	3,320.01	3,303.21	3,313.89	110.64	78.16	-150.65	-2,372.95	-5,844.17	1,916.44	1,747.75	168.69	11.361			
8,400.00	3,314.94	3,298.46	3,309.14	112.93	78.06	-153.32	-2,372.94	-5,844.17	1,869.38	1,695.90	173.48	10.776			
8,500.00	3,309.87	3,293.71	3,304.39	115.23	77.96	-156.12	-2,372.92	-5,844.17	1,826.57	1,648.28	178.30	10.245			
8,600.00	3,304.81	3,288.96	3,299.64	117.53	77.86	-159.04	-2,372.90	-5,844.17	1,788.33	1,605.24	183.09	9.768			
8,700.00	3,299.74	3,284.20	3,294.89	119.82	77.76	-162.09	-2,372.89	-5,844.17	1,754.94	1,567.14	187.80	9.345			
8,800.00	3,294.67	3,279.45	3,290.14	122.12	77.65	-165.24	-2,372.88	-5,844.17	1,726.69	1,534.34	192.35	8.977			
8,900.00	3,289.61	3,274.70	3,285.39	124.42	77.55	-168.49	-2,372.86	-5,844.17	1,703.84	1,507.15	196.69	8.663			
9,000.00	3,284.54	3,269.95	3,280.64	126.72	77.45	-171.81	-2,372.85	-5,844.17	1,686.60	1,485.85	200.74	8.402			
9,100.00	3,279.47	3,265.20	3,275.89	129.02	77.35	-175.19	-2,372.84	-5,844.17	1,675.15	1,470.70	204.45	8.193			
9,200.00	3,274.40	3,260.45	3,271.13	131.32	77.25	-178.61	-2,372.83	-5,844.17	1,669.60	1,461.85	207.75	8.037			
9,242.95	3,272.23	3,258.41	3,269.09	132.31	77.20	-179.92	-2,372.83	-5,844.17	1,669.05	1,460.02	209.03	7.985 CC			
9,300.00	3,269.34	3,255.70	3,266.38	133.62	77.14	-177.96	-2,372.82	-5,844.17	1,670.02	1,459.43	210.60	7.930 ES			
9,400.00	3,264.27	3,250.95	3,261.63	135.92	77.04	-174.55	-2,372.82	-5,844.17	1,676.40	1,463.44	212.96	7.872			
9,405.32	3,264.00	3,250.70	3,261.38	136.05	77.04	-174.37	-2,372.82	-5,844.17	1,676.91	1,463.83	213.07	7.870 SF			

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

Stryker Directional Anticollision Report



BURNETT OIL CO., INC.

Company:	Burnett Oil Company	Local Co-ordinate Reference:	Well The Horned Frog 32H
Project:	Eddy County, New Mexico (NAD83)	TVD Reference:	RKB @ 3309.00usft
Reference Site:	Aggie/Horned Frog/Maverick	MD Reference:	RKB @ 3309.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	The Horned Frog 32H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000 Server
Reference Design:	Design #1	Offset TVD Reference:	Reference Datum

Offset Design													Offset Site Error:	0.00 usft	
Survey Program: 136-INC-ONLY													Offset Well Error:		0.00 usft
Reference				Offset			Semi Major Axis			Distance			Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor			
3,600.00	3,405.39	3,385.30	3,404.14	10.81	70.57	-97.61	-699.81	-2,769.12	2,478.79	2,397.70	81.08	30.570			
3,700.00	3,455.63	3,435.43	3,454.27	11.74	71.63	-96.39	-700.03	-2,769.12	2,409.90	2,327.01	82.89	29.073			
3,800.00	3,494.48	3,474.35	3,493.18	13.40	72.45	-95.27	-700.25	-2,769.12	2,330.69	2,246.21	84.49	27.587			
3,900.00	3,520.74	3,501.94	3,520.74	15.16	73.03	-94.26	-700.35	-2,769.12	2,243.22	2,157.46	85.76	26.157			
4,000.00	3,533.63	3,514.83	3,533.63	16.99	73.30	-93.40	-700.35	-2,769.12	2,149.79	2,063.17	86.62	24.819			
4,100.00	3,533.02	3,514.22	3,533.02	18.82	73.29	-92.74	-700.35	-2,769.12	2,052.91	1,965.86	87.05	23.583			
4,200.00	3,527.95	3,509.14	3,527.95	20.65	73.18	-92.17	-700.35	-2,769.12	1,955.01	1,867.69	87.32	22.389			
4,300.00	3,522.86	3,504.05	3,522.86	22.62	73.08	-91.66	-700.35	-2,769.12	1,856.64	1,769.07	87.57	21.201			
4,400.00	3,517.76	3,498.95	3,517.76	24.61	72.97	-91.19	-700.35	-2,769.12	1,757.86	1,670.05	87.80	20.021			
4,500.00	3,512.65	3,493.84	3,512.65	26.64	72.86	-90.79	-700.35	-2,769.12	1,658.70	1,570.71	87.99	18.851			
4,600.00	3,507.54	3,488.64	3,507.48	28.69	72.75	-90.47	-700.34	-2,769.12	1,559.25	1,471.13	88.12	17.694			
4,700.00	3,502.44	3,483.59	3,502.42	30.75	72.65	-90.24	-700.31	-2,769.12	1,459.57	1,371.38	88.20	16.549			
4,800.00	3,497.36	3,478.52	3,497.36	32.82	72.54	-90.12	-700.28	-2,769.12	1,359.75	1,271.56	88.18	15.420			
4,900.00	3,492.29	3,473.46	3,492.29	34.84	72.43	-90.11	-700.24	-2,769.12	1,259.88	1,171.79	88.09	14.302			
5,000.00	3,487.22	3,468.39	3,487.23	36.89	72.32	-90.11	-700.21	-2,769.12	1,160.00	1,072.02	87.99	13.184			
5,100.00	3,482.16	3,463.32	3,482.16	38.97	72.22	-90.11	-700.18	-2,769.12	1,060.13	972.25	87.89	12.062			
5,200.00	3,477.09	3,458.26	3,477.09	41.07	72.11	-90.11	-700.15	-2,769.12	960.26	872.47	87.79	10.938			
5,300.00	3,472.02	3,453.19	3,472.03	43.20	72.00	-90.12	-700.13	-2,769.12	860.39	772.70	87.69	9.812			
5,400.00	3,466.96	3,448.12	3,466.96	45.34	71.90	-90.12	-700.10	-2,769.12	760.52	672.93	87.59	8.683			
5,500.00	3,461.89	3,443.06	3,461.89	47.50	71.79	-90.12	-700.07	-2,769.12	660.65	573.15	87.49	7.551			
5,600.00	3,456.82	3,437.99	3,456.83	49.68	71.68	-90.13	-700.04	-2,769.12	560.78	473.38	87.40	6.416			
5,700.00	3,451.75	3,432.92	3,451.76	51.86	71.57	-90.13	-700.02	-2,769.12	460.90	373.61	87.30	5.280			
5,800.00	3,446.69	3,427.85	3,446.69	54.06	71.47	-90.15	-699.99	-2,769.12	361.03	273.83	87.20	4.140			
5,900.00	3,441.62	3,422.79	3,441.63	56.27	71.36	-90.17	-699.97	-2,769.12	261.16	174.07	87.09	2.999			
6,000.00	3,436.55	3,417.72	3,436.56	58.48	71.25	-90.21	-699.94	-2,769.12	161.29	74.32	86.97	1.855			
6,100.00	3,431.49	3,412.65	3,431.49	60.71	71.14	-90.41	-699.92	-2,769.12	61.42	-25.31	86.73	0.708	Level 1		
6,161.49	3,428.37	3,409.54	3,428.38	62.08	71.08	-179.62	-699.91	-2,769.12	0.34	-131.62	131.97	0.003	Level 1, CC, ES, SF		
6,200.00	3,426.42	3,407.59	3,426.43	62.94	71.04	90.42	-699.90	-2,769.12	38.46	-48.81	87.27	0.441	Level 1		
6,300.00	3,421.35	3,402.52	3,421.36	65.17	70.93	90.05	-699.88	-2,769.12	138.33	51.43	86.90	1.592			
6,400.00	3,416.28	3,397.45	3,416.29	67.42	70.82	89.99	-699.85	-2,769.12	238.20	151.43	86.77	2.745			
6,500.00	3,411.22	3,392.38	3,411.22	69.66	70.72	89.97	-699.83	-2,769.12	338.07	251.40	86.67	3.901			
6,600.00	3,406.15	3,387.32	3,406.16	71.92	70.61	89.95	-699.81	-2,769.12	437.94	351.37	86.57	5.059			
6,700.00	3,401.08	3,382.25	3,401.09	74.17	70.50	89.95	-699.79	-2,769.12	537.81	451.33	86.49	6.219			
6,800.00	3,396.02	3,377.18	3,396.02	76.43	70.39	89.94	-699.78	-2,769.12	637.68	551.28	86.40	7.381			
6,900.00	3,390.95	3,372.11	3,390.96	78.70	70.29	89.94	-699.76	-2,769.12	737.56	651.24	86.32	8.545			
7,000.00	3,385.88	3,367.05	3,385.89	80.96	70.18	89.93	-699.74	-2,769.12	837.43	751.19	86.23	9.711			
7,100.00	3,380.81	3,361.98	3,380.82	83.23	70.07	89.93	-699.72	-2,769.12	937.30	851.15	86.15	10.880			
7,200.00	3,375.75	3,356.91	3,375.75	85.51	69.96	89.93	-699.71	-2,769.12	1,037.17	951.10	86.07	12.050			
7,300.00	3,370.68	3,351.84	3,370.69	87.78	69.86	89.93	-699.69	-2,769.12	1,137.04	1,051.05	85.99	13.222			
7,400.00	3,365.61	3,346.78	3,365.62	90.06	69.75	89.93	-699.68	-2,769.12	1,236.91	1,151.00	85.92	14.397			
7,500.00	3,360.55	3,341.71	3,360.55	92.34	69.64	89.93	-699.66	-2,769.12	1,336.78	1,250.94	85.84	15.573			
7,600.00	3,355.48	3,336.64	3,355.48	94.62	69.54	89.92	-699.65	-2,769.12	1,436.66	1,350.89	85.77	16.751			
7,700.00	3,350.41	3,331.57	3,350.42	96.91	69.43	89.92	-699.64	-2,769.12	1,536.53	1,450.84	85.69	17.931			
7,800.00	3,345.34	3,326.51	3,345.35	99.19	69.32	89.92	-699.63	-2,769.12	1,636.40	1,550.78	85.62	19.112			
7,900.00	3,340.28	3,321.44	3,340.28	101.48	69.21	89.92	-699.61	-2,769.12	1,736.27	1,650.72	85.55	20.296			
8,000.00	3,335.21	3,316.37	3,335.21	103.77	69.11	89.92	-699.60	-2,769.12	1,836.14	1,750.67	85.48	21.481			
8,100.00	3,330.14	3,311.30	3,330.15	106.06	69.00	89.92	-699.59	-2,769.12	1,936.01	1,850.61	85.41	22.668			
8,200.00	3,325.08	3,306.24	3,325.08	108.35	68.89	89.92	-699.59	-2,769.12	2,035.89	1,950.55	85.34	23.857			
8,300.00	3,320.01	3,301.17	3,320.01	110.64	68.78	89.92	-699.58	-2,769.12	2,135.76	2,050.49	85.27	25.047			
8,400.00	3,314.94	3,296.10	3,314.94	112.93	68.68	89.92	-699.57	-2,769.12	2,235.63	2,150.43	85.20	26.239			
8,500.00	3,309.87	3,291.03	3,309.88	115.23	68.57	89.92	-699.56	-2,769.12	2,335.50	2,250.37	85.14	27.433			
8,600.00	3,304.81	3,285.96	3,304.81	117.53	68.46	89.92	-699.55	-2,769.12	2,435.37	2,350.30	85.07	28.628			

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

Stryker Directional
Anticollision Report



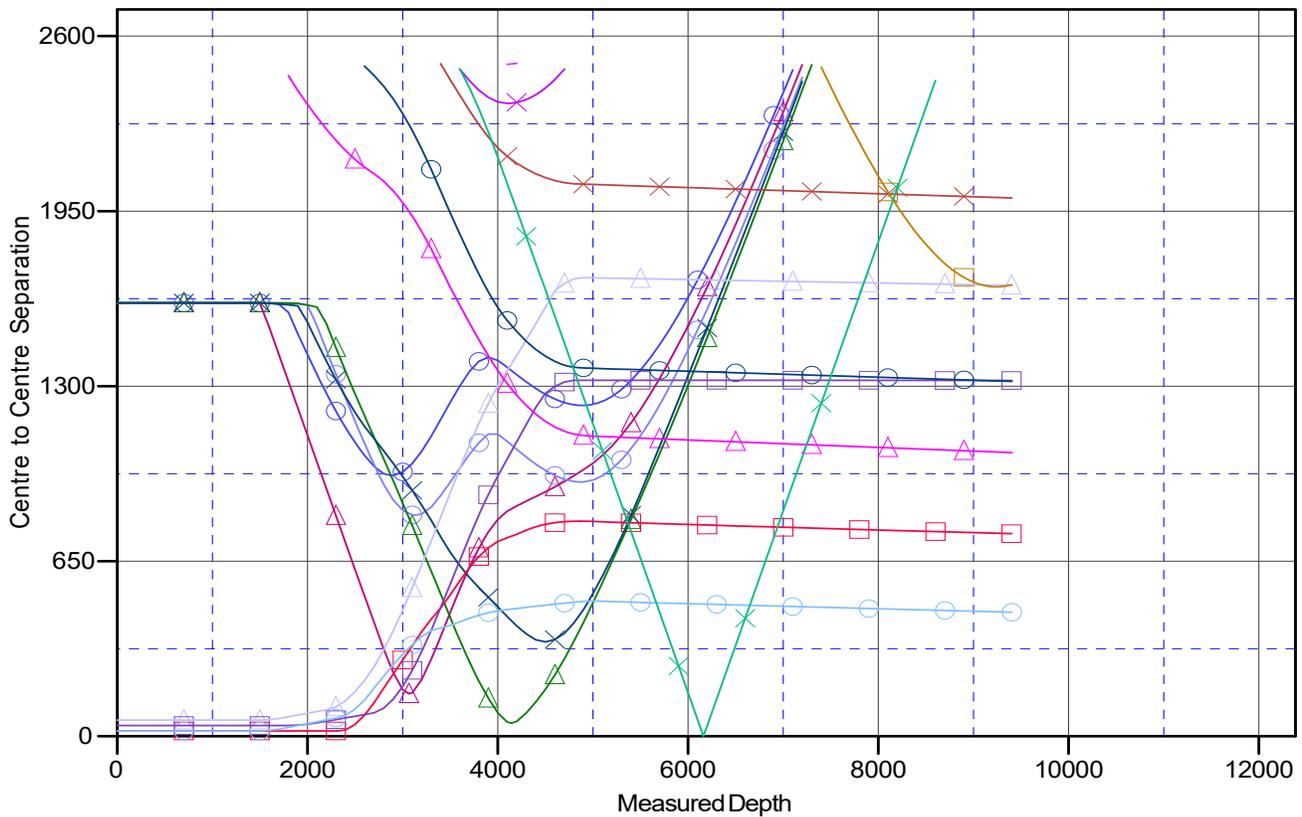
BURNETT OIL CO., INC.

Company:	Burnett Oil Company	Local Co-ordinate Reference:	Well The Horned Frog 32H
Project:	Eddy County, New Mexico (NAD83)	TVD Reference:	RKB @ 3309.00usft
Reference Site:	Aggie/Horned Frog/Maverick	MD Reference:	RKB @ 3309.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	The Horned Frog 32H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000 Server
Reference Design:	Design #1	Offset TVD Reference:	Reference Datum

Reference Depths are relative to RKB @ 3309.00usft
Offset Depths are relative to Offset Datum
Central Meridian is -104.333334

Coordinates are relative to: The Horned Frog 32H
Coordinate System is US State Plane 1983, New Mexico Eastern Zone
Grid Convergence at Surface is: 0.00°

Ladder Plot



LEGEND

- | | | |
|--|---|---|
| The Aggie 1H, Wellbore #1, Design #1 V0 | The Homed Frog 2H, Wellbore #1, Design #1 V0 | The Maverick 32H, Wellbore #1, Design #1 V0 |
| The Aggie 2H, Wellbore #1, Design #1 V0 | The Homed Frog 31H, Wellbore #1, Design #1 V0 | The Maverick 3H, Wellbore #1, Design #1 V0 |
| The Aggie 31H, Wellbore #1, Design #1 V0 | The Homed Frog 3H, Wellbore #1, Design #1 V0 | McCall #1, Wellbore #1, Surveys V0 |
| The Aggie 32H, Wellbore #1, Design #1 V0 | The Maverick 1H, Wellbore #1, Design #1 V0 | Terry Evans #1, Wellbore #1, Surveys V0 |
| The Aggie 3H, Wellbore #1, Design #1 V0 | The Maverick 2H, Wellbore #1, Design #1 V0 | |
| The Homed Frog 1H, Wellbore #1, Design #1 V0 | The Maverick 31H, Wellbore #1, Design #1 V0 | |

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

BURNETT OIL CO., INC.

Stryker Directional
Anticollision Report

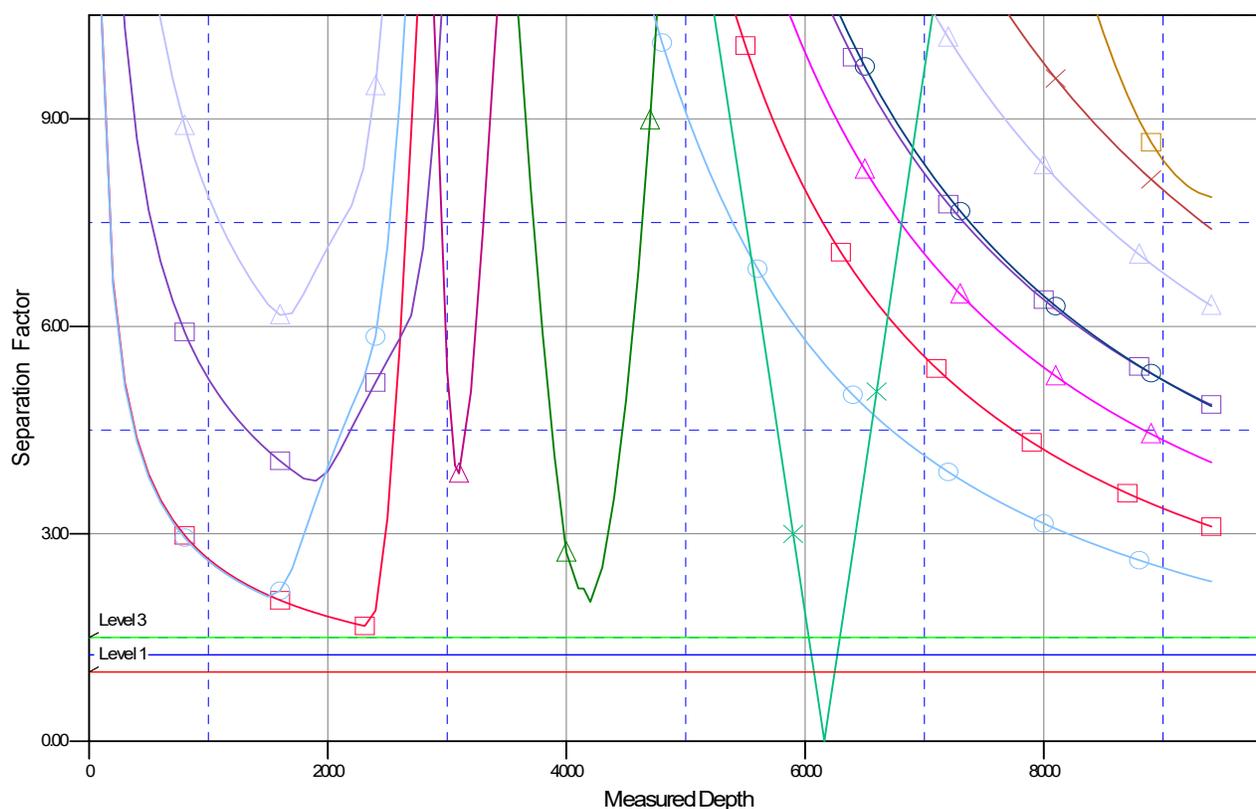


Company:	Burnett Oil Company	Local Co-ordinate Reference:	Well The Horned Frog 32H
Project:	Eddy County, New Mexico (NAD83)	TVD Reference:	RKB @ 3309.00usft
Reference Site:	Aggie/Horned Frog/Maverick	MD Reference:	RKB @ 3309.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	The Horned Frog 32H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000 Server
Reference Design:	Design #1	Offset TVD Reference:	Reference Datum

Reference Depths are relative to RKB @ 3309.00usft
Offset Depths are relative to Offset Datum
Central Meridian is -104.333334

Coordinates are relative to: The Horned Frog 32H
Coordinate System is US State Plane 1983, New Mexico Eastern Zone
Grid Convergence at Surface is: 0.00°

Separation Factor Plot

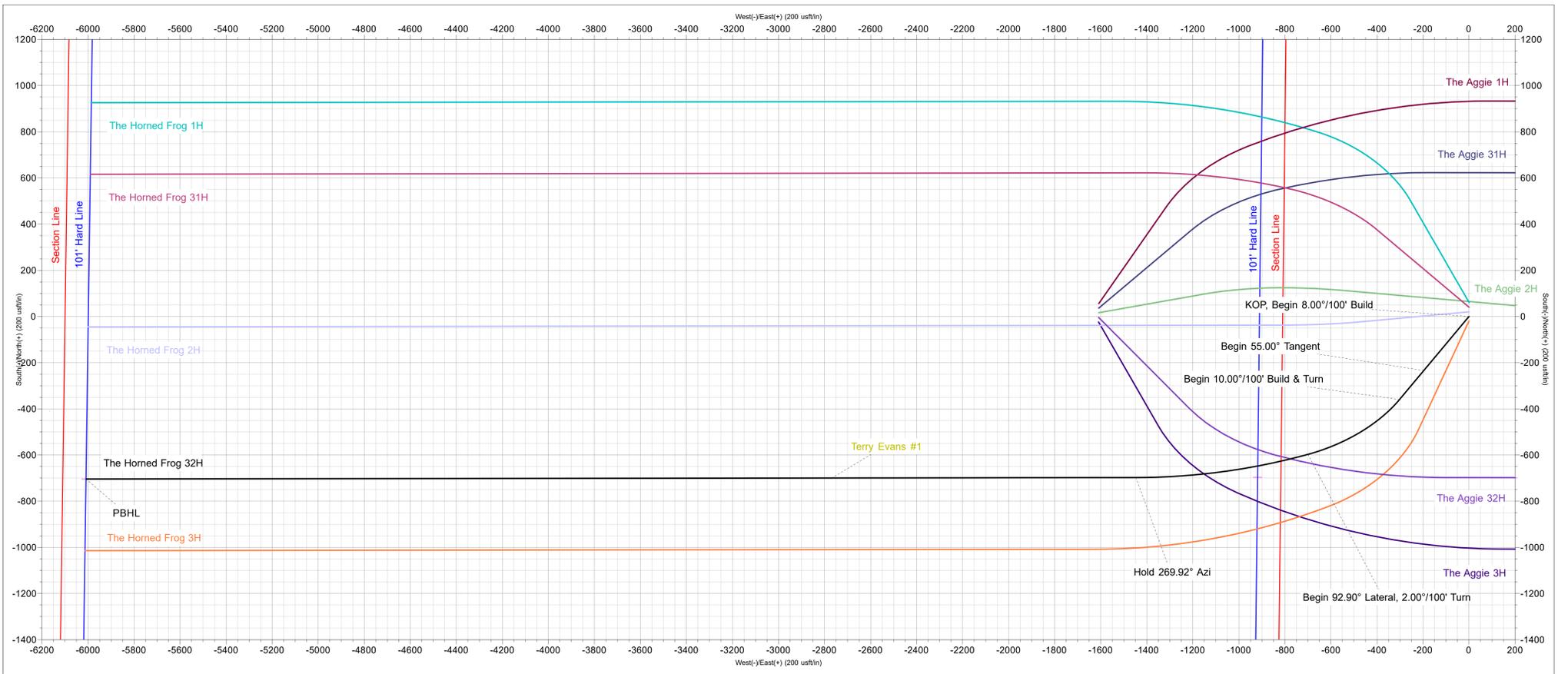


LEGEND

- | | | |
|---|--|---|
| The Aggie 1H, Wellbore #1, Design #1 V0 | The Horned Frog 2H, Wellbore #1, Design #1 V0 | The Maverick 32H, Wellbore #1, Design #1 V0 |
| The Aggie 2H, Wellbore #1, Design #1 V0 | The Horned Frog 31H, Wellbore #1, Design #1 V0 | The Maverick 3H, Wellbore #1, Design #1 V0 |
| The Aggie 31H, Wellbore #1, Design #1 V0 | The Horned Frog 3H, Wellbore #1, Design #1 V0 | McCall #1, Wellbore #1, Surveys V0 |
| The Aggie 32H, Wellbore #1, Design #1 V0 | The Maverick 1H, Wellbore #1, Design #1 V0 | Terry Evans #1, Wellbore #1, Surveys V0 |
| The Aggie 3H, Wellbore #1, Design #1 V0 | The Maverick 2H, Wellbore #1, Design #1 V0 | |
| The Horned Frog 1H, Wellbore #1, Design #1 V0 | The Maverick 31H, Wellbore #1, Design #1 V0 | |

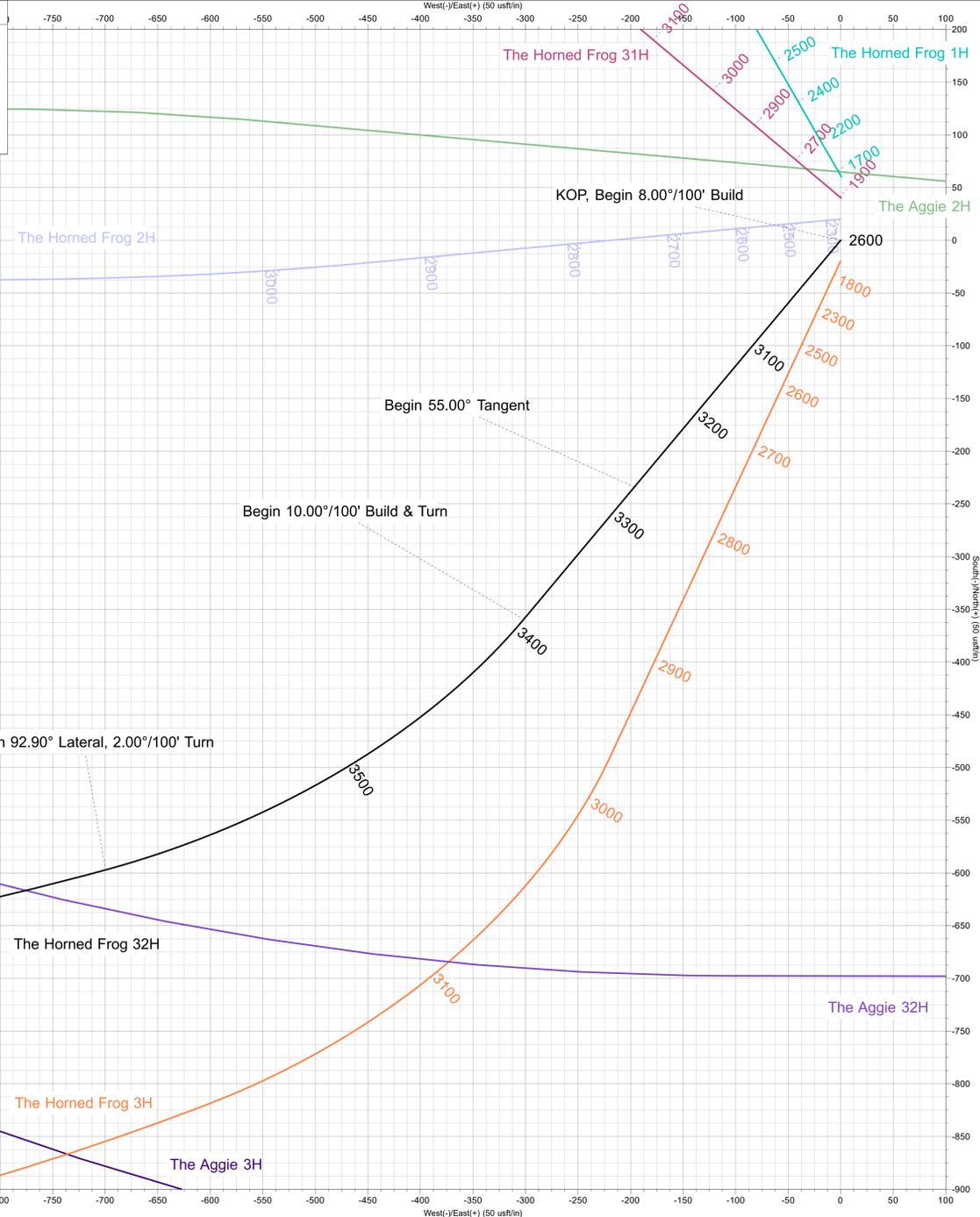
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

To convert a Magnetic Direction to a Grid Direction, Add 6.46°



ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Departure	Annotation
2693.00	0.00	0.00	2693.00	0.00	0.00	0.00	0.00	KOP, Begin 8.00°/100' Build
3380.50	55.00	220.00	3279.67	-233.95	-196.31	222.20	305.40	Begin 55.00° Tangent
3580.50	55.00	220.00	3394.39	-359.45	-301.62	341.40	469.23	Begin 10.00°/100' Build & Turn
4080.21	92.90	254.75	3534.03	-597.14	-699.47	764.21	939.47	Begin 92.90° Lateral, 2.00°/100' Turn
4837.80	92.90	269.92	3495.44	-697.75	-1447.13	1518.50	1696.08	Hold 269.92° Azi
9405.32	92.90	269.92	3264.00	-704.01	-6008.78	6049.88	6257.73	PBHL



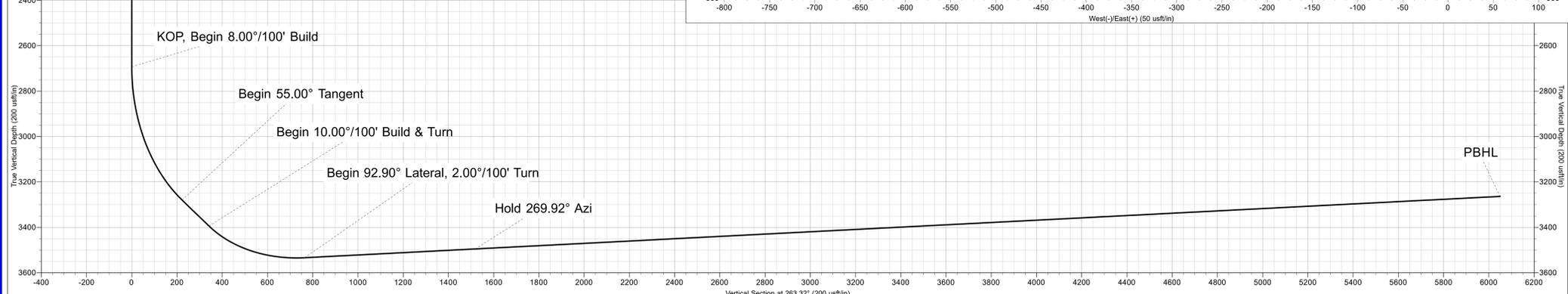
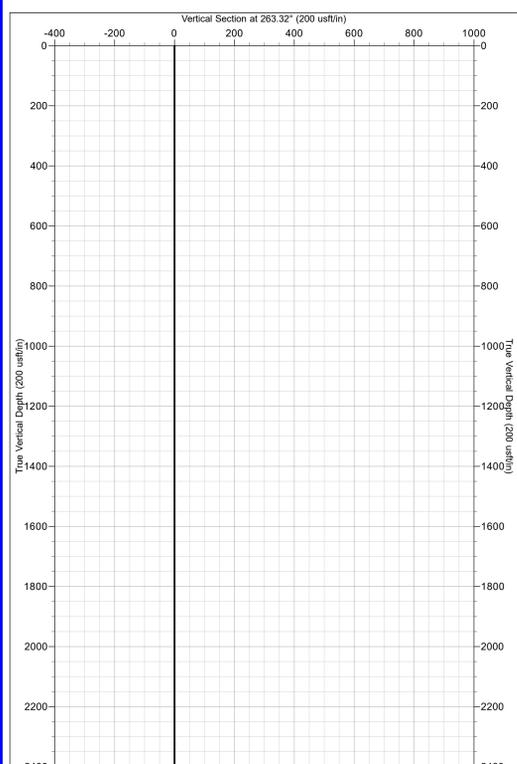
Mag
T G M

Azimuths to Grid North
True North: 0.00°
Magnetic North: 6.46°

Magnetic Field
Strength: 47307.3nT
Dip Angle: 60.12°
Date: 6/6/2025
Model: IGRF2025

US State Plane 1983
New Mexico Eastern Zone

Created By: HLH
Date: 10:45, June 12 2025
Plan: Design #1



BURNETT OIL CO., INC.

Burnett Oil Company

Eddy County, New Mexico (NAD83)

Aggie/Horned Frog/Maverick

The Horned Frog 32H

Wellbore #1

Plan: Design #1

Standard Planning Report

11 June, 2025



Stryker Directional
Planning Report



Database:	EDM 5000 Server	Local Co-ordinate Reference:	Well The Horned Frog 32H
Company:	Burnett Oil Company	TVD Reference:	RKB @ 3309.00usft
Project:	Eddy County, New Mexico (NAD83)	MD Reference:	RKB @ 3309.00usft
Site:	Aggie/Horned Frog/Maverick	North Reference:	Grid
Well:	The Horned Frog 32H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

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

Site	Aggie/Horned Frog/Maverick				
Site Position:		Northing:	631,921.51 usft	Latitude:	32.737190
From:	Lat/Long	Easting:	544,179.05 usft	Longitude:	-104.324092
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.00 °

Well	The Horned Frog 32H					
Well Position	+N/-S	-60.14 usft	Northing:	631,861.37 usft	Latitude:	32.737025
	+E/-W	-0.68 usft	Easting:	544,178.37 usft	Longitude:	-104.324094
Position Uncertainty		0.00 usft	Wellhead Elevation:		Ground Level:	3,289.70 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	6/6/2025	6.47	60.12	47,307.26133466

Design	Design #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	263.32

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
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,693.00	0.00	0.00	2,693.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,380.50	55.00	220.00	3,279.67	-233.95	-196.31	8.00	8.00	0.00	220.00	
3,580.50	55.00	220.00	3,394.39	-359.45	-301.62	0.00	0.00	0.00	0.00	
4,080.21	92.90	254.75	3,534.03	-597.14	-699.47	10.00	7.58	6.95	48.03	
4,837.80	92.90	269.92	3,495.44	-697.75	-1,447.13	2.00	0.00	2.00	89.60	
9,405.32	92.90	269.92	3,264.00	-704.01	-6,008.78	0.00	0.00	0.00	0.00	BHL - The Horned F

Stryker Directional
Planning Report



Database:	EDM 5000 Server	Local Co-ordinate Reference:	Well The Horned Frog 32H
Company:	Burnett Oil Company	TVD Reference:	RKB @ 3309.00usft
Project:	Eddy County, New Mexico (NAD83)	MD Reference:	RKB @ 3309.00usft
Site:	Aggie/Horned Frog/Maverick	North Reference:	Grid
Well:	The Horned Frog 32H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

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)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00	
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00	
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00	
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,693.00	0.00	0.00	2,693.00	0.00	0.00	0.00	0.00	0.00	0.00	
KOP, Begin 8.00°/100' Build										
2,700.00	0.56	220.00	2,700.00	-0.03	-0.02	0.02	8.00	8.00	0.00	
2,750.00	4.56	220.00	2,749.94	-1.74	-1.46	1.65	8.00	8.00	0.00	
2,800.00	8.56	220.00	2,799.60	-6.11	-5.13	5.80	8.00	8.00	0.00	
2,850.00	12.56	220.00	2,848.75	-13.13	-11.02	12.47	8.00	8.00	0.00	
2,900.00	16.56	220.00	2,897.13	-22.76	-19.10	21.61	8.00	8.00	0.00	
2,950.00	20.56	220.00	2,944.52	-34.95	-29.32	33.19	8.00	8.00	0.00	
3,000.00	24.56	220.00	2,990.68	-49.64	-41.65	47.14	8.00	8.00	0.00	
3,050.00	28.56	220.00	3,035.40	-66.76	-56.02	63.41	8.00	8.00	0.00	
3,100.00	32.56	220.00	3,078.44	-86.23	-72.36	81.90	8.00	8.00	0.00	
3,150.00	36.56	220.00	3,119.61	-107.95	-90.58	102.53	8.00	8.00	0.00	
3,200.00	40.56	220.00	3,158.70	-131.82	-110.61	125.20	8.00	8.00	0.00	
3,250.00	44.56	220.00	3,195.52	-157.72	-132.35	149.80	8.00	8.00	0.00	
3,300.00	48.56	220.00	3,229.90	-185.53	-155.68	176.21	8.00	8.00	0.00	
3,350.00	52.56	220.00	3,261.65	-215.10	-180.49	204.30	8.00	8.00	0.00	
3,380.50	55.00	220.00	3,279.67	-233.95	-196.31	222.20	8.00	8.00	0.00	
Begin 55.00° Tangent										
3,400.00	55.00	220.00	3,290.86	-246.19	-206.58	233.82	0.00	0.00	0.00	
3,500.00	55.00	220.00	3,348.22	-308.94	-259.23	293.42	0.00	0.00	0.00	
3,580.50	55.00	220.00	3,394.39	-359.45	-301.62	341.40	0.00	0.00	0.00	
Begin 10.00°/100' Build & Turn										
3,600.00	56.32	221.74	3,405.39	-371.63	-312.15	353.28	10.00	6.75	8.93	
3,650.00	59.80	225.97	3,431.85	-402.18	-341.56	386.04	10.00	6.96	8.47	
3,700.00	63.40	229.91	3,455.63	-431.61	-374.22	421.90	10.00	7.21	7.88	
3,750.00	67.11	233.61	3,476.56	-459.69	-409.88	460.59	10.00	7.42	7.39	

BURNETT OIL CO., INC.

Stryker Directional
Planning Report



Database:	EDM 5000 Server	Local Co-ordinate Reference:	Well The Horned Frog 32H
Company:	Burnett Oil Company	TVD Reference:	RKB @ 3309.00usft
Project:	Eddy County, New Mexico (NAD83)	MD Reference:	RKB @ 3309.00usft
Site:	Aggie/Horned Frog/Maverick	North Reference:	Grid
Well:	The Horned Frog 32H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

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)	
3,800.00	70.90	237.10	3,494.48	-486.20	-448.28	501.81	10.00	7.58	6.99	
3,850.00	74.75	240.44	3,509.24	-510.95	-489.12	545.26	10.00	7.70	6.68	
3,900.00	78.65	243.66	3,520.74	-533.74	-532.10	590.59	10.00	7.80	6.43	
3,950.00	82.58	246.79	3,528.90	-554.40	-576.88	637.47	10.00	7.87	6.26	
4,000.00	86.54	249.86	3,533.63	-572.78	-623.12	685.54	10.00	7.91	6.15	
4,050.00	90.50	252.91	3,534.92	-588.73	-670.47	734.42	10.00	7.93	6.10	
4,080.21	92.90	254.75	3,534.03	-597.14	-699.47	764.21	10.00	7.93	6.10	
Begin 92.90° Lateral, 2.00°/100' Turn										
4,100.00	92.90	255.15	3,533.02	-602.27	-718.56	783.76	2.00	0.01	2.00	
4,200.00	92.91	257.15	3,527.95	-626.18	-815.52	882.84	2.00	0.01	2.00	
4,300.00	92.92	259.15	3,522.86	-646.69	-913.25	982.30	2.00	0.01	2.00	
4,400.00	92.93	261.15	3,517.76	-663.77	-1,011.65	1,082.02	2.00	0.00	2.00	
4,500.00	92.93	263.16	3,512.65	-677.40	-1,110.58	1,181.86	2.00	0.00	2.00	
4,600.00	92.93	265.16	3,507.54	-687.56	-1,209.92	1,281.71	2.00	0.00	2.00	
4,700.00	92.92	267.16	3,502.44	-694.25	-1,309.56	1,381.45	2.00	-0.01	2.00	
4,800.00	92.91	269.16	3,497.36	-697.45	-1,409.38	1,480.96	2.00	-0.01	2.00	
4,837.80	92.90	269.92	3,495.44	-697.75	-1,447.13	1,518.50	2.00	-0.01	2.00	
Hold 269.92° Azi										
4,900.00	92.90	269.92	3,492.29	-697.84	-1,509.25	1,580.20	0.00	0.00	0.00	
5,000.00	92.90	269.92	3,487.22	-697.97	-1,609.12	1,679.41	0.00	0.00	0.00	
5,100.00	92.90	269.92	3,482.16	-698.11	-1,708.99	1,778.62	0.00	0.00	0.00	
5,200.00	92.90	269.92	3,477.09	-698.25	-1,808.86	1,877.83	0.00	0.00	0.00	
5,300.00	92.90	269.92	3,472.02	-698.38	-1,908.73	1,977.04	0.00	0.00	0.00	
5,400.00	92.90	269.92	3,466.96	-698.52	-2,008.61	2,076.24	0.00	0.00	0.00	
5,500.00	92.90	269.92	3,461.89	-698.66	-2,108.48	2,175.45	0.00	0.00	0.00	
5,600.00	92.90	269.92	3,456.82	-698.79	-2,208.35	2,274.66	0.00	0.00	0.00	
5,700.00	92.90	269.92	3,451.75	-698.93	-2,308.22	2,373.87	0.00	0.00	0.00	
5,800.00	92.90	269.92	3,446.69	-699.07	-2,408.09	2,473.08	0.00	0.00	0.00	
5,900.00	92.90	269.92	3,441.62	-699.21	-2,507.96	2,572.29	0.00	0.00	0.00	
6,000.00	92.90	269.92	3,436.55	-699.34	-2,607.83	2,671.50	0.00	0.00	0.00	
6,100.00	92.90	269.92	3,431.49	-699.48	-2,707.71	2,770.71	0.00	0.00	0.00	
6,200.00	92.90	269.92	3,426.42	-699.62	-2,807.58	2,869.92	0.00	0.00	0.00	
6,300.00	92.90	269.92	3,421.35	-699.75	-2,907.45	2,969.12	0.00	0.00	0.00	
6,400.00	92.90	269.92	3,416.28	-699.89	-3,007.32	3,068.33	0.00	0.00	0.00	
6,500.00	92.90	269.92	3,411.22	-700.03	-3,107.19	3,167.54	0.00	0.00	0.00	
6,600.00	92.90	269.92	3,406.15	-700.16	-3,207.06	3,266.75	0.00	0.00	0.00	
6,700.00	92.90	269.92	3,401.08	-700.30	-3,306.93	3,365.96	0.00	0.00	0.00	
6,800.00	92.90	269.92	3,396.02	-700.44	-3,406.81	3,465.17	0.00	0.00	0.00	
6,900.00	92.90	269.92	3,390.95	-700.58	-3,506.68	3,564.38	0.00	0.00	0.00	
7,000.00	92.90	269.92	3,385.88	-700.71	-3,606.55	3,663.59	0.00	0.00	0.00	
7,100.00	92.90	269.92	3,380.81	-700.85	-3,706.42	3,762.80	0.00	0.00	0.00	
7,200.00	92.90	269.92	3,375.75	-700.99	-3,806.29	3,862.00	0.00	0.00	0.00	
7,300.00	92.90	269.92	3,370.68	-701.12	-3,906.16	3,961.21	0.00	0.00	0.00	
7,400.00	92.90	269.92	3,365.61	-701.26	-4,006.03	4,060.42	0.00	0.00	0.00	
7,500.00	92.90	269.92	3,360.55	-701.40	-4,105.91	4,159.63	0.00	0.00	0.00	
7,600.00	92.90	269.92	3,355.48	-701.53	-4,205.78	4,258.84	0.00	0.00	0.00	
7,700.00	92.90	269.92	3,350.41	-701.67	-4,305.65	4,358.05	0.00	0.00	0.00	
7,800.00	92.90	269.92	3,345.34	-701.81	-4,405.52	4,457.26	0.00	0.00	0.00	
7,900.00	92.90	269.92	3,340.28	-701.94	-4,505.39	4,556.47	0.00	0.00	0.00	
8,000.00	92.90	269.92	3,335.21	-702.08	-4,605.26	4,655.68	0.00	0.00	0.00	
8,100.00	92.90	269.92	3,330.14	-702.22	-4,705.13	4,754.88	0.00	0.00	0.00	
8,200.00	92.90	269.92	3,325.08	-702.36	-4,805.01	4,854.09	0.00	0.00	0.00	
8,300.00	92.90	269.92	3,320.01	-702.49	-4,904.88	4,953.30	0.00	0.00	0.00	
8,400.00	92.90	269.92	3,314.94	-702.63	-5,004.75	5,052.51	0.00	0.00	0.00	

BURNETT OIL CO., INC.

Stryker Directional
Planning Report



Database:	EDM 5000 Server	Local Co-ordinate Reference:	Well The Horned Frog 32H
Company:	Burnett Oil Company	TVD Reference:	RKB @ 3309.00usft
Project:	Eddy County, New Mexico (NAD83)	MD Reference:	RKB @ 3309.00usft
Site:	Aggie/Horned Frog/Maverick	North Reference:	Grid
Well:	The Horned Frog 32H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

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)	
8,500.00	92.90	269.92	3,309.87	-702.77	-5,104.62	5,151.72	0.00	0.00	0.00	
8,600.00	92.90	269.92	3,304.81	-702.90	-5,204.49	5,250.93	0.00	0.00	0.00	
8,700.00	92.90	269.92	3,299.74	-703.04	-5,304.36	5,350.14	0.00	0.00	0.00	
8,800.00	92.90	269.92	3,294.67	-703.18	-5,404.23	5,449.35	0.00	0.00	0.00	
8,900.00	92.90	269.92	3,289.61	-703.31	-5,504.11	5,548.56	0.00	0.00	0.00	
9,000.00	92.90	269.92	3,284.54	-703.45	-5,603.98	5,647.76	0.00	0.00	0.00	
9,100.00	92.90	269.92	3,279.47	-703.59	-5,703.85	5,746.97	0.00	0.00	0.00	
9,200.00	92.90	269.92	3,274.40	-703.73	-5,803.72	5,846.18	0.00	0.00	0.00	
9,300.00	92.90	269.92	3,269.34	-703.86	-5,903.59	5,945.39	0.00	0.00	0.00	
9,405.32	92.90	269.92	3,264.00	-704.01	-6,008.78	6,049.88	0.00	0.00	0.00	
PBHL										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
BHL - The Horned Frc	0.00	0.00	3,264.00	-704.01	-6,008.78	631,157.36	538,169.60	32.735090	-104.343636	
- hit/miss target										
- plan hits target center										
- Point										
FTP - The Horned Frc	0.00	0.00	3,519.00	-696.94	-918.20	631,164.43	543,260.17	32.735109	-104.327081	
- plan misses target center by 48.56usft at 4313.65usft MD (3522.16 TVD, -649.22 N, -926.65 E)										
- Point										

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Comment	
2,693.00	2,693.00	0.00	0.00	KOP, Begin 8.00°/100' Build	
3,380.50	3,279.67	-233.95	-196.31	Begin 55.00° Tangent	
3,580.50	3,394.39	-359.45	-301.62	Begin 10.00°/100' Build & Turn	
4,080.21	3,534.03	-597.14	-699.47	Begin 92.90° Lateral, 2.00°/100' Turn	
4,837.80	3,495.44	-697.75	-1,447.13	Hold 269.92° Azi	
9,405.32	3,264.00	-704.01	-6,008.78	PBHL	



**The Horned Frog #32H
DRILLING PLAN
HORIZONTAL LOCO HILLS GLORIETA YESO WELL**

1. Geological Name of Surface Formation with Estimated Depth:

<u>Geological Name</u>	<u>Estimate Top</u>	<u>Anticipated Fresh Water, Oil or Gas</u>
Alluvium	Surface	Useable Water
San Andres	915'	Oil
Glorieta	2460'	Oil
Yeso	2575'	Oil
Total Depth	Refer to APD	Oil

No other formations are expected to yield fresh water, oil or gas in measurable volumes. We will set 9-5/8" casing @ +/-1250' and circulate cement to surface.

All intervals will be isolated by setting 7" x 5-1/2" casing to total depth and circulating cement to surface.

2. Casing Program: (ALL CASING WILL BE NEW API APPROVED MATERIAL.)

(MW = 10 PPG IN DESIGN FACTOR CALCULATIONS.)

a. Design Safety Factors:

Type	Hole Size	Depth Interval	OD CSG	Weight	Collar	Grade	Collapse Design Factor	Burst Design Factor	Tension Design Factor
Conductor	20"	0-90'	16"	Contractor	Discretion	-----	-----	-----	-----
Surface	12-1/4"	0-1,250'	9-5/8"	36#	LTC	J-55	1.125	1.00	1.80
Production	8-3/4"	0'-2,900'	7"	32#	BTC	L-80	1.125	1.00	1.80
	8-3/4"	2,900'-9,000'	5-1/2"	20#	BTC	L-80	1.125	1.00	1.80

b. Surface Casing Info

The proposed 9-5/8" casing setting depth is +/- 1250'.

c. Production casing

We will run 7" x 5-1/2" production casing with a crossover from 7" to 5-1/2" at +/-2,900', 5-1/2" to TD. The wellbore will be cemented to surface.

3. Cementing Program

DRILLING PLAN

Horizontal Yeso

NMOCD to be notified prior to all cementing and tag operations in order to observe the operation if desired.

a. 9 5/8" Surface Casing:

- Cement to surface
- 20 bbls fresh water spacer at 8.4 lbm/gal.
- Lead: 270 sx Class C Premium Plus Cement, fluid weight 12.2 ppg, slurry yield 2.31 ft³/sx, water 13.48 gal/sx.
- Tail: 168 sx Class C Premium Plus Cement, fluid weight 13.2 ppg, slurry yield 1.84 ft³/sx, water 9.92 gal/sx.
- Excess Cement: **Lead 100%, Tail 165%**

If cement does not circulate to surface, NMOCD will be notified of same, and advised of the plan to bring the cement to surface so NMOCD may witness tagging and cementing. If surface pressures when circulating indicate cement is low in the annulus, temperature survey results will be reviewed with NMOCD representative to determine the remediation needed.

b. 7" & 5 1/2" Production Casing:

- Lead: 169 sx Class C Premium Plus Cement, fluid weight 11.8 ppg, slurry yield 2.54 ft³/sx, water 15.29 gal/sx.
- Tail: 1273 sx Class C Premium Plus Cement , fluid weight 13.2 ppg, slurry yield 1.81, water 9.81 gal/sx.
- Excess Cement: **lead 0%, Tail 50%**

4. Pressure Control Equipment:

The blowout prevention equipment (BOPE) will consist of a 2,000 PSI Hydril Unit (annular) with hydraulic closing equipment. The equipment will comply with Onshore Order #2 and will be tested to 2,000 psi and the Annular tested to 1,500 psi and maintained for a least ten (10) minutes. The 9-5/8" drilling head will be installed on the surface casing and in use continuously until total depth is reached. An independent testing company will be used for the testing. Other accessory BOP equipment will include a Kelly cock, floor safety valve, choke lines and choke manifold having 2,000 PSI WP rating.

Occasionally, water flows have been encountered. To control these water flows and to drill through salt formation(s), our anticipated maximum mud weight is 8.9 ppg. For the producing formation and at TD, the pore pressure in this area is 0.47 psi/ft based on review of drilling histories, mud weights, formation gradients etc. from surrounding wells.

Burnett is requesting to keep the Mud/Gas Separator on location but only connect if/when needed.

DRILLING PLAN
Horizontal Yeso

5. Auxiliary Well Control and Monitoring Equipment:

- a. A Kelly cock will be in the drill string at all times.
- b. A full opening drill pipe stabbing valve with the appropriate connections will be on the rig floor at all times.
- c. Hydrogen Sulfide detection and breathing equipment will be installed and in operation prior to drilling out the surface shoe and will remain until production casing is cemented.
- d. An H2S compliance package will be on site while drilling.

6. Proposed Mud Circulation System (Closed Loop System)

<u>Depth</u>	<u>Mud Wt</u>	<u>Vis</u>	<u>Fluid Loss</u>	<u>Type System</u>
0' - 1250'	8.6 – 8.9	32-36	NC	Fresh Water
1250' – TD MD	8.6 – 8.9	32-36	NC	Cut Brine Water

The necessary mud products for weight addition and fluid loss control will be on location at all times.

Pason or similar equipment will be used to monitor the mud system.

7. Logging, Coring and Testing program:

- a. No cores or DSTs are planned at this time.
- b. A mud logger will be on the well from 200' to TD.
- c. No open hole logs will be run.

8. Potential Hazards:

No abnormal pressures or temperatures are expected. Lost circulation is expected in the surface hole and not expected in production.

For the producing formation and at TD, the anticipated bottom hole pressure at deepest TVD is 1588 psi based on drilling histories, mud weights, formation gradients etc. from surrounding wells. Based upon logs of wells in this area, the anticipated bottom hole temperature is 105°F.

In the event that it is necessary to follow the H2S plan, a remote choke will be installed as required in Onshore Order 6. Refer to the attached H2S plan for details.

9. Anticipated Start Date and Duration of Operation

Road and location construction will begin after NMOCD has approved the APD and has approved the start of the location work. Anticipated spud date will be as soon as the location building work has been completed and the drilling rig is available to move to the location. Move in operations and drilling is expected to take approximately 25 days. If production casing is run, an additional 90 days would be

DRILLING PLAN

Horizontal Yeso

required to complete the well and install the necessary surface equipment (pumping unit, electricity, flowline and storage facility) in order to place the well on production.

10. Completion Procedure

Upon completion of drilling operations, this well will be perforated and frac'd in multiple stages. Due to the completion process that Burnett utilizes, we do not anticipate any flowback. Upon completion of stimulation, the well will be put on production.

State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Electronically
Via E-permitting

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

NATURAL GAS MANAGEMENT PLAN

This Natural Gas Management Plan must be submitted with each Application for Permit to Drill (APD) for a new or recompleted well.

Section 1 – Plan Description Effective May 25, 2021

I. Operator: Burnett Oil Co., Inc. OGRID: 03080 Date: 12 / 10 / 2025

II. Type: Original Amendment due to 19.15.27.9.D(6)(a) NMAC 19.15.27.9.D(6)(b) NMAC Other.

If Other, please describe: Amended to reflect well name changes and pooling concerns.

III. Well(s): Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
THE HORNEF FROG #1H	30-015-54438	D-19-18S-27E	1226 FNL 809 FWL	550 BBL/D	550 MCF/D	2500 BBL/D
THE HORNEF FROG #31H	30-015-55902	1-19-18S-27E	1246 FNL 809 FWL	550 BBL/D	550 MCF/D	2500 BBL/D
THE HORNEF FROG #2H	30-015-54437	D-19-18S-27E	1266 FNL 809 FWL	550 BBL/D	550 MCF/D	2500 BBL/D
THE HORNEF FROG #32H	30-015-55901	1-19-18S-27E	1286FNL 809FWL	550 BBL/D	550 MCF/D	2500 BBL/D
THE HORNEF FROG #3H	30-015-54439	D-19-18S-27E	1306 FNL 809 FWL	550 BBL/D	550 MCF/D	2500 BBL/D
THE MAVERICK #1H	30-015-54684	L-19-18S-27E	1368 FSL 828 FWL	550 BBL/D	550 MCF/D	2500 BBL/D
THE MAVERICK #31H	30-015-55903	3-19-18S-27E	1348FSL 828FWL	550 BBL/D	550 MCF/D	2500 BBL/D
THE MAVERICK #2H	30-015-54685	L-19-18S-27E	1328 FSL 828 FWL	550 BBL/D	550 MCF/D	2500 BBL/D
THE MAVERICK 32H	30-015-55900	4-19-18S-27E	1308 FSL 828 FWL	550 BBL/D	550 MCF/D	2500 BBL/D
THE MAVERICK #3H	30-015-54686	M-19-18S-27E	1288 FSL 828FWL	550 BBL/D	550 MCF/D	2500 BBL/D

IV. Central Delivery Point Name: THE MAVERICK BATTERY [See 19.15.27.9(D)(1) NMAC]

V. Anticipated Schedule: Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
THE HORNEF FROG #1H	30-015-54438	2/15/2026	2/24/2026	4/08/2026	4/22/2026	4/22/2026
THE HORNEF FROG #31H	30-015-55902	1/5/2026	1/15/2026	3/1/2026	3/11/2026	3/11/2026
THE HORNEF FROG #2H	30-015-54437	2/25/2026	3/03/2026	5/12/2026	5/28/2026	5/28/2026
THE HORNEF FROG #32H	30-015-55901	1/16/2026	1/26/2026	3/5/2026	3/15/2026	3/15/2026
THE HORNEF FROG #3H	30-015-54439	3/04/2026	3/14/2026	5/16/2026	6/2/2026	6/02/2026
THE MAVERICK #1H	30-015-54684	3/15/2026	3/25/2026	4/1/2026	4/16/2026	4/16/2026
THE MAVERICK #31H	30-015-55903	4/1/2026	4/11/2026	5/30/2026	6/10/2026	6/10/2026
THE MAVERICK #2H	30-015-54685	4/26/2026	5/05/2026	6/04/2026	6/20/2026	6/20/2026
THE MAVERICK #32H	30-015-55900	4/12/2026	4/22/2026	5/4/2026	5/14/2026	5/14/2026
THE MAVERICK #3H	30-015-54686	3/06/2026	3/16/2026	4/08/2026	4/25/2026	4/25/2026

VI. Separation Equipment: Attach a complete description of how Operator will size separation equipment to optimize gas capture.

VII. Operational Practices: Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.

VIII. Best Management Practices: Attach a complete description of Operator’s best management practices to minimize venting during active and planned maintenance.

Section 2 – Enhanced Plan
EFFECTIVE APRIL 1, 2022

Beginning April 1, 2022, an operator that is not in compliance with its statewide natural gas capture requirement for the applicable reporting area must complete this section.

Operator certifies that it is not required to complete this section because Operator is in compliance with its statewide natural gas capture requirement for the applicable reporting area.

IX. Anticipated Natural Gas Production:

Well	API	Anticipated Average Natural Gas Rate MCF/D	Anticipated Volume of Natural Gas for the First Year MCF

X. Natural Gas Gathering System (NGGS):

Operator	System	ULSTR of Tie-in	Anticipated Gathering Start Date	Available Maximum Daily Capacity of System Segment Tie-in

XI. Map. Attach an accurate and legible map depicting the location of the well(s), the anticipated pipeline route(s) connecting the production operations to the existing or planned interconnect of the natural gas gathering system(s), and the maximum daily capacity of the segment or portion of the natural gas gathering system(s) to which the well(s) will be connected.

XII. Line Capacity. The natural gas gathering system will will not have capacity to gather 100% of the anticipated natural gas production volume from the well prior to the date of first production.

XIII. Line Pressure. Operator does does not anticipate that its existing well(s) connected to the same segment, or portion, of the natural gas gathering system(s) described above will continue to meet anticipated increases in line pressure caused by the new well(s).

Attach Operator's plan to manage production in response to the increased line pressure.

XIV. Confidentiality: Operator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information provided in Section 2 as provided in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and attaches a full description of the specific information for which confidentiality is asserted and the basis for such assertion.

Section 3 - Certifications

Effective May 25, 2021

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal:

Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system; or

Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system.

If Operator checks this box, Operator will select one of the following:

Well Shut-In. Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or

Venting and Flaring Plan. Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including:

- (a) power generation on lease;
- (b) power generation for grid;
- (c) compression on lease;
- (d) liquids removal on lease;
- (e) reinjection for underground storage;
- (f) reinjection for temporary storage;
- (g) reinjection for enhanced oil recovery;
- (h) fuel cell production; and
- (i) other alternative beneficial uses approved by the division.

Section 4 - Notices

1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or

(b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.

2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

Signature: <i>Randy Bolles</i> Printed Name: Randy Bolles
Title: Regulatory Consultant
E-mail Address: rbolles@cox.net
Date: 12/10/2025
Phone: 405-738-0183
OIL CONSERVATION DMSION (Only applicable when submitted as a standalone form)
Approved By:
Title:
Approval Date:
Conditions of Approval:

NATURAL GAS MANAGEMENT PLAN

Section 1 – Attachments

Company: Burnett Oil Co., Inc. Well Name: THE HORNEF FROG 1H API 30-015-54438

- VI. Separation Equipment:** Description of how Operator will size separation equipment to optimize gas capture.
- A. This well will be added to an existing tank battery.
 - B. The engineered system is designed to handle 11,500 MCF/D. It will produce through the following vessels:
 - 1. 2-phase separator,
 - 2. free-water knockout,
 - 3. heater treater, and then finally a
 - 4. 2-phase gas scrubber.
 - C. Current battery throughput is 0 MCF/D.
 - D. The referenced well is anticipated to produce a maximum of 550 MCF/D for a total throughput of 550 MCF/D.
- VII. Operational Practices:** Description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.
- A. In all circumstances, the operator shall flare rather than vent natural gas except when flaring is technically infeasible or would pose a risk to safe operations or personnel safety, and venting is a safer alternative than flaring.
 - B. During drilling operations a mud/gas separator will be on location. If needed, it will be utilized to capture natural gas for purposes of flaring. If flaring is required, a properly-sized flare stack will be at a minimum of 100' from the nearest surface hole location unless otherwise approved by the division.
 - C. Venting and flaring during completion or recompletion operations
 - 1. During completion or recompletion, gas is trapped/retained in the wellbore through use of properly weighted "kill" fluids.
 - 2. During the completion phase, the well will be routed directly into an existing battery. With this initial flowback already being connected to the existing battery, all flowback gasses will be routed, if applicable, only to flare. No venting will occur during this initial flowback period. As soon as it is feasible, the existing separation will be utilized.
 - D. Equipment redundancies within the system, along with the overall battery design, enables us to service equipment without interruption to gas flow in most scenarios. With the existing battery compression at this

facility, in most cases we can avoid flaring during times of elevated transmission line pressures caused by mid-stream maintenance. Additionally, we have gas takeaway with two (2) midstream companies to try and keep gas going to sales in case one of them has a problem.

E. Performance Standards

1. The existing facility is designed for maximum anticipated throughput and pressure to minimize waste.
2. The existing storage tanks are routed to a combustor.
3. The existing flare stack is properly sized and designed to ensure proper combustion efficiency.
4. The existing flare stack is securely anchored and located at least 100 feet from the storage tanks.
5. AVO inspections are conducted weekly.
6. NA
7. NA
8. We strive to minimize waste and shall resolve emergencies as quickly and safely as possible.

F. Measurement or estimation of vented and flared natural gas

1. We shall measure or estimate the volume of natural gas that is vented, flared, or beneficially used during drilling, completion and production operations regardless of the reason or authorization for such venting or flaring.
2. The existing flare has a meter to measure the gas going to it.
3. The measurement equipment conforms to an industry standard such as American Petroleum Institute (API) Manual of Petroleum Measurement Standards (MPMS) Chapter 14.10 Measurement of Flow to Flares
4. The measuring equipment is not equipped with a manifold that allows the diversion of natural gas around the metering element except for the sole purpose of inspecting and servicing the measurement equipment.
5. If metering is not practicable due to circumstances such as low flow rate or low pressure venting and flaring, the operator will estimate the volume of vented or flared natural gas using a methodology that can be independently verified.
6. NA
7. The operator shall install measuring equipment whenever the division determines that metering is practicable or the existing measuring equipment or GOR test is not sufficient to measure the volume of vented and flared natural gas.

VIII. Best Management Practices: Operator's best management practices to minimize venting during active and planned maintenance.

- A. The existing facility is designed for maximum anticipated throughput and pressure to minimize waste.
- B. Equipment redundancies within the system, along with the overall battery design, enables us to service equipment without interruption to gas flow in most scenarios. With the existing battery compression at this facility, in most cases we can avoid flaring during times of elevated transmission line pressures caused by mid-stream maintenance.
- C. During well maintenance, gas is trapped/retained in the wellbore through use of properly weighted "kill" fluids.
- D. Additionally, we have gas takeaway with two (2) midstream companies to try and keep gas going to sales in case one of them has a problem.

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

CONDITIONS

Action 535366

CONDITIONS

Operator: BURNETT OIL CO INC 801 Cherry Street Unit #9 Fort Worth, TX 76102	OGRID: 3080
	Action Number: 535366
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	Any previous COA's not addressed within the updated COA's still apply.	1/16/2026