

Santa Fe Main Office
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State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

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.) 1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		WELL API NO. 30-015-55902 5. Indicate Type of Lease STATE ☐ FEE ☒ 6. State Oil & Gas Lease No. 335042
2. Name of Operator Burnett Oil Company Inc.		7. Lease Name or Unit Agreement Name The Horned Frog
3. Address of Operator 801 Cherry Street, Unit #9 Fort Worth, TX 76102		8. Well Number 31H
4. Well Location Unit Letter <u>1</u> : <u>1246</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>		9. OGRID Number 3080
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3289.9'		10. Pool name or Wildcat Asoka; Glorietta-Yeso

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

NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐ TEMPORARILY ABANDON ☐ CHANGE PLANS ☒ PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐ DOWNHOLE COMMINGLE ☐ CLOSED-LOOP SYSTEM ☐ OTHER: Name Change, footage call changes, dedicated acreage change ☒	SUBSEQUENT REPORT OF: REMEDIAL WORK ☐ ALTERING CASING ☐ COMMENCE DRILLING OPNS. ☐ P AND A ☐ CASING/CEMENT JOB ☐ OTHER: ☐
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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 34H" to "The Horned Frog 31H".

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's:
 SHL: Change UL from 2 to 1; Change 2618' FNL, 800' FWL to 1246' FNL, 809' FWL; BHL: Change from 2068' FNL, 101' FWL to 660' FNL, 101' FWL; FTP: Change UL H to A; Change 2068' FNL, 101' FEL to 660' FNL, 101' FEL; LTP: Change 2068' FNL, 101' FWL to 660' FNL, 101' FWL; Change GL Elevation from 3283.0' 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:	☐ Initial Submittal
				☒ Amended Report
		☐ As Drilled		

WELL LOCATION INFORMATION

API Number 30-015-55902	Pool Code 3250	Pool Name ATOKA; GLORIETTA-YESO
Property Code 335042	Property Name THE HORNE D FROG	Well Number 31H
OGRID No. 3080	Operator Name BURNETT OIL COMPANY INC.	Ground Level Elevation 3289.9'
Surface Owner: ☐ State ☒ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☐ State ☒ Fee ☐ Tribal ☐ 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		1246 FNL	809 FWL	32.737135°N	104.324093°W	EDDY

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
D	24	18-S	26-E		660 FNL	101 FWL	32.738718°N	104.343576°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: ☒ Yes ☐ 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		1246 FNL	809 FWL	32.737135°N	104.324093°W	Eddy

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
A	24	18-S	26-E		660 FNL	101 FEL	32.738738°N	104.327030°W	EDDY

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
D	24	18-S	26-E		660 FNL	101 FWL	32.738718°N	104.343576°W	EDDY

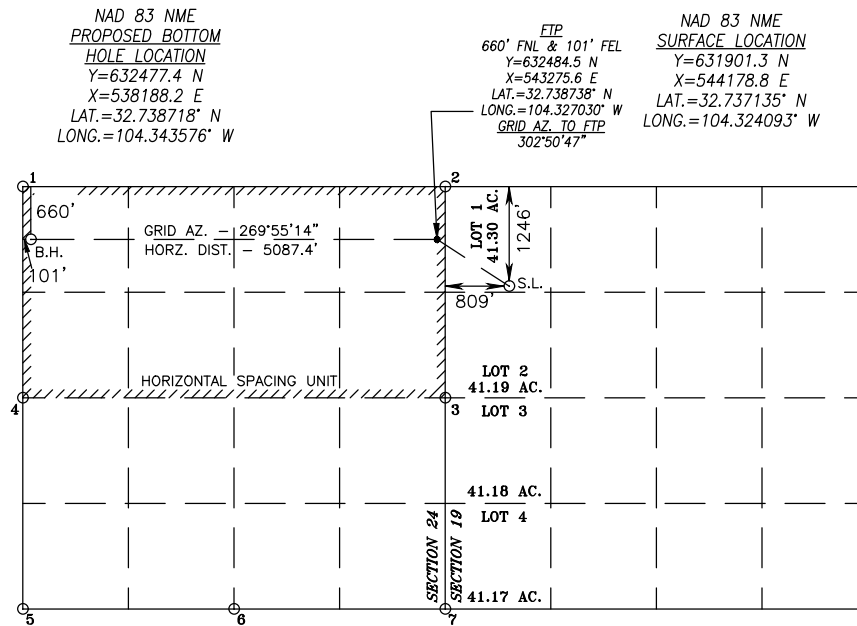
Unitized Area or Area of Uniform Interest R-23931 (Infill well)	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3289.9'
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OPERATOR CERTIFICATIONS <i>I hereby certify that the information contained herein is true and complete to the 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> <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>		SURVEYOR CERTIFICATIONS <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>	
Signature <i>Randy Bolles</i>	Date 12/10/25	Signature and Seal of Professional Surveyor <i>Chad Harcrow</i> 6/11/25	
Printed Name Randy Bolles		Certificate Number 17777	Date of Survey JUNE 4, 2025
Email Address rbolles@cox.net		W.O.#25-613	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.



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 31H

Wellbore #1

Design #1

Anticollision Report

11 June, 2025



BURNETT OIL CO., INC.

Stryker Directional

Anticollision Report



Company:	Burnett Oil Company	Local Co-ordinate Reference:	Well The Horned Frog 31H
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 31H	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
Depth Range:	Unlimited
Results Limited by:	Maximum ellipse separation of 1,000.00 usft
Warning Levels Evaluated at:	2.00 Sigma
Error Model:	ISCWSA
Scan Method:	Closest Approach 3D
Error Surface:	Pedal Curve
Casing Method:	Not applied

Survey Tool Program	Date	6/11/2025
From (usft)	To (usft)	Survey (Wellbore)
0.00	9,185.06	Design #1 (Wellbore #1)
		Tool Name
		MWD+HRGM
		Description
		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	4,100.00	3,577.69	411.38	383.14	14.569	SF
The Aggie 1H - Wellbore #1 - Design #1	4,286.81	3,465.92	387.33	361.85	15.201	CC, ES
The Aggie 2H - Wellbore #1 - Design #1	3,110.71	4,201.14	105.64	67.35	2.759	CC, ES, SF
The Aggie 31H - Wellbore #1 - Design #1	3,970.16	4,061.46	55.23	33.65	2.559	CC, ES
The Aggie 31H - Wellbore #1 - Design #1	4,100.00	3,939.87	79.18	46.94	2.456	SF
The Aggie 32H - Wellbore #1 - Design #1	4,685.13	3,125.72	819.15	780.00	20.921	CC, ES
The Aggie 32H - Wellbore #1 - Design #1	4,800.00	3,100.00	826.55	786.80	20.796	SF
The Aggie 3H - Wellbore #1 - Design #1	4,718.68	2,829.19	1,050.68	1,014.27	28.856	CC, ES
The Aggie 3H - Wellbore #1 - Design #1	4,800.00	2,817.04	1,053.65	1,016.79	28.581	SF
The Horned Frog 1H - Wellbore #1 - Design #1	1,500.00	1,500.00	20.14	10.62	2.115	CC, ES, SF
The Horned Frog 2H - Wellbore #1 - Design #1	1,800.00	1,800.00	19.89	9.36	1.889	CC, ES, SF
The Horned Frog 32H - Wellbore #1 - Design #1	1,800.00	1,800.00	40.00	29.48	3.801	CC, ES
The Horned Frog 32H - Wellbore #1 - Design #1	1,900.00	1,899.98	41.13	30.22	3.768	SF
The Horned Frog 3H - Wellbore #1 - Design #1	1,500.00	1,500.00	59.90	50.38	6.290	CC, ES
The Horned Frog 3H - Wellbore #1 - Design #1	9,185.06	9,112.20	1,654.50	1,387.42	6.195	SF
The Maverick 1H - Wellbore #1 - Design #1	2,884.15	3,822.56	2,128.46	2,100.25	75.460	CC
The Maverick 1H - Wellbore #1 - Design #1	9,185.06	9,102.48	2,340.89	2,070.35	8.653	ES, SF
The Maverick 2H - Wellbore #1 - Design #1						Out of range
The Maverick 31H - Wellbore #1 - Design #1	2,997.68	4,032.78	2,466.10	2,439.21	91.686	CC
The Maverick 31H - Wellbore #1 - Design #1	3,000.00	4,032.78	2,466.11	2,439.20	91.648	ES
The Maverick 31H - Wellbore #1 - Design #1	3,200.00	4,100.00	2,485.74	2,456.30	84.422	SF
The Maverick 32H - Wellbore #1 - Design #1						Out of range
The Maverick 3H - Wellbore #1 - Design #1						Out of range
Horned Frog/Maverick Offsets						
McCall #1 - Wellbore #1 - Surveys						Out of range
McCall #2 - Wellbore #1 - Surveys						Out of range
McCall #2 (2) - Wellbore #1 - Surveys						Out of range
Terry Evans #1 - Wellbore #1 - Surveys	5,962.45	3,336.38	1,320.05	1,188.63	10.045	CC, ES
Terry Evans #1 - Wellbore #1 - Surveys	6,100.00	3,330.13	1,327.18	1,194.12	9.974	SF

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



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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 Aggie 1H - 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									
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	Warning		
0.00	0.00	1.00	0.00	0.00	0.01	-89.43	16.04	-1,608.85	1,608.93						
100.00	100.00	101.00	100.00	0.93	0.93	-89.43	16.04	-1,608.85	1,608.93	1,607.06	1.86	863.296			
200.00	200.00	201.00	200.00	1.51	1.51	-89.43	16.04	-1,608.85	1,608.93	1,605.91	3.02	533.075			
300.00	300.00	301.00	300.00	1.94	1.94	-89.43	16.04	-1,608.85	1,608.93	1,605.04	3.88	414.514			
400.00	400.00	401.00	400.00	2.30	2.29	-89.43	16.04	-1,608.85	1,608.93	1,604.33	4.59	350.472			
500.00	500.00	501.00	500.00	2.61	2.60	-89.43	16.04	-1,608.85	1,608.93	1,603.72	5.21	308.856			
600.00	600.00	601.00	600.00	2.88	2.88	-89.43	16.04	-1,608.85	1,608.93	1,603.16	5.77	279.015			
700.00	700.00	701.00	700.00	3.14	3.14	-89.43	16.04	-1,608.85	1,608.93	1,602.65	6.28	256.257			
800.00	800.00	801.00	800.00	3.38	3.38	-89.43	16.04	-1,608.85	1,608.93	1,602.17	6.76	238.152			
900.00	900.00	901.00	900.00	3.60	3.60	-89.43	16.04	-1,608.85	1,608.93	1,601.72	7.21	223.297			
1,000.00	1,000.00	1,001.00	1,000.00	3.82	3.82	-89.43	16.04	-1,608.85	1,608.93	1,601.29	7.63	210.819			
1,100.00	1,100.00	1,101.00	1,100.00	4.02	4.02	-89.43	16.04	-1,608.85	1,608.93	1,600.89	8.04	200.140			
1,200.00	1,200.00	1,201.00	1,200.00	4.22	4.21	-89.43	16.04	-1,608.85	1,608.93	1,600.50	8.43	190.864			
1,300.00	1,300.00	1,301.00	1,300.00	4.40	4.40	-89.43	16.04	-1,608.85	1,608.93	1,600.12	8.81	182.706			
1,400.00	1,400.00	1,401.00	1,400.00	4.59	4.58	-89.43	16.04	-1,608.85	1,608.93	1,599.76	9.17	175.456			
1,500.00	1,500.00	1,501.47	1,500.47	4.76	4.76	-89.43	16.04	-1,608.85	1,608.93	1,599.40	9.52	168.932			
1,600.00	1,600.00	1,647.86	1,646.80	4.93	5.39	-89.32	19.16	-1,606.66	1,607.45	1,597.40	10.05	159.924			
1,700.00	1,700.00	1,764.13	1,762.81	5.10	5.95	-89.09	25.42	-1,602.28	1,603.71	1,593.19	10.52	152.418			
1,800.00	1,800.00	4,537.68	3,069.00	5.26	36.83	-2.34	890.74	-36.37	1,550.84	1,524.98	25.85	59.984			
1,900.00	1,899.98	4,535.81	3,069.00	5.56	36.79	-2.38	890.66	-38.24	1,469.44	1,442.65	26.79	54.859			
2,000.00	1,999.84	4,530.21	3,069.00	6.15	36.67	-2.49	890.43	-43.84	1,389.05	1,361.25	27.81	49.951			
2,100.00	2,099.59	4,522.78	3,069.00	6.46	36.52	-2.64	890.09	-51.26	1,310.64	1,281.79	28.85	45.433			
2,200.00	2,199.35	4,515.38	3,069.00	6.64	36.37	-2.78	889.74	-58.65	1,235.31	1,205.34	29.97	41.216			
2,300.00	2,299.11	4,508.02	3,069.00	6.84	36.21	-2.93	889.38	-66.00	1,163.67	1,132.45	31.22	37.278			
2,400.00	2,398.86	4,500.69	3,069.00	7.05	36.06	-3.08	888.99	-73.32	1,096.45	1,063.87	32.58	33.657			
2,500.00	2,498.62	4,493.40	3,069.00	7.27	35.91	-3.22	888.59	-80.60	1,034.50	1,000.46	34.04	30.393			
2,600.00	2,598.38	4,486.14	3,069.00	7.50	35.76	-3.37	888.17	-87.85	978.83	943.27	35.56	27.526			
2,700.00	2,698.10	4,478.50	3,069.00	7.72	35.60	-3.52	887.71	-95.47	930.32	893.27	37.05	25.110			
2,800.00	2,796.52	4,460.80	3,069.00	8.46	35.23	-3.88	886.57	-113.14	884.31	845.84	38.47	22.989			
2,900.00	2,891.58	4,429.73	3,069.00	9.29	34.59	-4.50	884.30	-144.12	838.81	799.30	39.51	21.228			
3,000.00	2,981.44	4,386.71	3,069.00	10.03	33.70	-5.36	880.61	-186.98	793.82	753.68	40.14	19.778			
3,100.00	3,064.34	4,333.64	3,069.00	10.69	32.61	-6.42	875.16	-239.78	748.94	708.57	40.36	18.555			
3,200.00	3,138.67	4,272.71	3,069.00	11.25	31.35	-7.64	867.71	-300.24	703.52	663.27	40.25	17.481			
3,300.00	3,202.98	4,206.27	3,069.00	11.71	29.99	-8.97	858.12	-365.99	656.77	616.94	39.84	16.487			
3,400.00	3,260.44	4,138.87	3,069.00	11.96	28.62	-10.31	846.83	-432.43	611.34	572.32	39.02	15.667			
3,500.00	3,317.80	4,075.04	3,069.00	12.20	27.32	-11.59	834.70	-495.10	573.72	535.85	37.87	15.149			
3,600.00	3,370.87	4,008.75	3,069.00	12.66	25.99	-12.92	820.63	-559.88	544.13	507.74	36.40	14.951			
3,700.00	3,411.75	3,932.00	3,069.00	14.43	24.45	-14.45	802.48	-634.45	518.71	483.91	34.80	14.906			
3,800.00	3,439.11	3,847.49	3,069.00	16.37	22.78	-16.14	780.18	-715.95	494.54	461.44	33.10	14.943			
3,900.00	3,452.12	3,757.94	3,069.00	18.39	21.04	-17.93	753.94	-801.58	468.65	437.18	31.48	14.888			
4,000.00	3,451.04	3,665.92	3,069.00	20.38	19.31	-19.77	724.21	-888.65	438.95	409.02	29.92	14.670			
4,100.00	3,446.32	3,577.69	3,068.96	22.39	17.75	-20.58	693.07	-971.20	411.38	383.14	28.24	14.569 SF			
4,200.00	3,441.59	3,516.10	3,065.79	24.50	16.63	-7.64	668.32	-1,027.48	392.76	365.97	26.79	14.661			
4,286.81	3,437.47	3,465.92	3,059.39	26.34	15.71	18.46	645.55	-1,071.72	387.33	361.85	25.48	15.201 CC, ES			
4,300.00	3,436.85	3,458.58	3,058.17	26.62	15.58	24.04	642.04	-1,078.04	387.46	362.17	25.29	15.322			
4,400.00	3,432.12	3,400.00	3,045.87	28.75	14.54	66.36	612.40	-1,127.02	396.97	373.21	23.76	16.710			
4,500.00	3,427.39	3,350.00	3,031.84	30.88	13.67	88.27	585.05	-1,166.44	421.07	398.41	22.66	18.581			
4,600.00	3,422.68	3,311.99	3,019.07	33.00	13.03	95.06	563.12	-1,194.73	458.11	435.99	22.12	20.707			
4,700.00	3,417.97	3,271.85	3,003.68	35.07	12.41	98.52	539.02	-1,222.89	506.17	484.66	21.52	23.522			
4,800.00	3,413.27	3,236.30	2,988.47	37.17	12.13	100.12	516.96	-1,246.24	563.28	542.19	21.08	26.719			
4,900.00	3,408.57	3,200.00	2,971.48	39.29	12.01	101.26	493.83	-1,268.45	627.69	607.09	20.60	30.468			
5,000.00	3,403.86	3,176.93	2,959.94	41.43	11.93	101.01	478.86	-1,281.67	697.82	677.31	20.51	34.031			

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 31H
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 31H	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 Aggie 1H - 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		Azimuth from North (°)	Distance		Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)					
5,100.00	3,399.16	3,150.00	2,945.77	43.59	11.85	101.10	461.14	-1,296.18	772.59	752.30	20.28	38.087	
5,200.00	3,394.45	3,130.06	2,934.81	45.76	11.80	100.75	447.88	-1,306.27	851.03	830.76	20.26	41.999	
5,300.00	3,389.75	3,102.97	2,919.38	47.95	11.74	100.85	429.73	-1,319.17	932.39	912.29	20.10	46.379	
5,400.00	3,385.05	3,053.25	2,890.86	50.15	11.61	102.03	396.37	-1,342.53	1,015.07	995.38	19.69	51.546	
5,500.00	3,380.34	3,003.52	2,862.34	52.36	11.50	103.01	363.01	-1,365.89	1,098.38	1,078.96	19.42	56.550	
5,600.00	3,375.64	2,953.80	2,833.83	54.57	11.38	103.83	329.64	-1,389.26	1,182.19	1,162.87	19.32	61.189	
5,700.00	3,370.93	2,909.35	2,808.31	56.80	11.27	104.34	299.82	-1,410.13	1,266.42	1,247.09	19.32	65.545	
5,800.00	3,366.23	2,884.68	2,793.66	59.03	11.18	104.04	283.56	-1,421.52	1,351.60	1,332.26	19.34	69.900	
5,900.00	3,361.53	2,850.00	2,771.94	61.27	11.02	104.08	261.43	-1,437.02	1,437.97	1,418.61	19.36	74.281	
6,000.00	3,356.82	2,850.00	2,771.94	63.52	11.02	103.09	261.43	-1,437.02	1,525.21	1,505.87	19.34	78.873	
6,100.00	3,352.12	2,816.86	2,749.97	65.77	10.86	103.10	241.10	-1,451.26	1,613.20	1,593.82	19.38	83.245	
6,200.00	3,347.42	2,800.00	2,738.37	68.02	10.77	102.68	231.08	-1,458.27	1,702.05	1,682.66	19.39	87.772	
6,300.00	3,342.71	2,776.57	2,721.76	70.28	10.65	102.45	217.54	-1,467.75	1,791.56	1,772.12	19.43	92.190	
6,400.00	3,338.01	2,750.00	2,702.29	72.54	10.50	102.29	202.73	-1,478.12	1,881.73	1,862.24	19.48	96.576	
6,500.00	3,333.30	2,750.00	2,702.29	74.81	10.50	101.64	202.73	-1,478.12	1,972.44	1,952.98	19.47	101.331	
6,600.00	3,328.60	2,722.84	2,681.71	77.08	10.34	101.52	188.22	-1,488.28	2,063.58	2,044.05	19.53	105.659	
6,700.00	3,323.90	2,700.00	2,663.90	79.35	10.20	101.32	176.51	-1,496.48	2,155.28	2,135.70	19.58	110.060	
6,800.00	3,319.19	2,700.00	2,663.90	81.63	10.20	100.80	176.51	-1,496.48	2,247.41	2,227.83	19.57	114.833	
6,900.00	3,314.49	2,676.26	2,644.90	83.91	10.05	100.65	164.85	-1,504.65	2,339.86	2,320.23	19.64	119.163	
7,000.00	3,309.78	2,650.00	2,623.36	86.19	9.88	100.53	152.55	-1,513.26	2,432.82	2,413.11	19.71	123.450	

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 31H
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 31H	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	-90.84	-23.62	-1,609.46	1,609.63					
100.00	100.00	101.00	100.00	0.93	0.93	-90.84	-23.62	-1,609.46	1,609.63	1,607.77	1.87	863.049		
200.00	200.00	201.00	200.00	1.51	1.51	-90.84	-23.62	-1,609.46	1,609.63	1,606.61	3.02	533.143		
300.00	300.00	301.00	300.00	1.94	1.94	-90.84	-23.62	-1,609.46	1,609.63	1,605.75	3.88	414.617		
400.00	400.00	401.00	400.00	2.30	2.30	-90.84	-23.62	-1,609.46	1,609.63	1,605.04	4.59	350.578		
500.00	500.00	501.00	500.00	2.61	2.60	-90.84	-23.62	-1,609.46	1,609.63	1,604.42	5.21	308.959		
600.00	600.00	601.00	600.00	2.88	2.88	-90.84	-23.62	-1,609.46	1,609.63	1,603.87	5.77	279.113		
700.00	700.00	701.00	700.00	3.14	3.14	-90.84	-23.62	-1,609.46	1,609.63	1,603.35	6.28	256.351		
800.00	800.00	801.00	800.00	3.38	3.38	-90.84	-23.62	-1,609.46	1,609.63	1,602.88	6.76	238.242		
900.00	900.00	901.00	900.00	3.60	3.60	-90.84	-23.62	-1,609.46	1,609.63	1,602.43	7.21	223.383		
1,000.00	1,000.00	1,001.00	1,000.00	3.82	3.82	-90.84	-23.62	-1,609.46	1,609.63	1,602.00	7.63	210.900		
1,100.00	1,100.00	1,101.00	1,100.00	4.02	4.02	-90.84	-23.62	-1,609.46	1,609.63	1,601.59	8.04	200.219		
1,200.00	1,200.00	1,201.00	1,200.00	4.22	4.21	-90.84	-23.62	-1,609.46	1,609.63	1,601.20	8.43	190.940		
1,300.00	1,300.00	1,301.00	1,300.00	4.40	4.40	-90.84	-23.62	-1,609.46	1,609.63	1,600.83	8.81	182.779		
1,400.00	1,400.00	1,401.00	1,400.00	4.59	4.59	-90.84	-23.62	-1,609.46	1,609.63	1,600.46	9.17	175.527		
1,500.00	1,500.00	1,501.00	1,500.00	4.76	4.76	-90.84	-23.62	-1,609.46	1,609.63	1,600.11	9.52	169.025		
1,600.00	1,600.00	4,376.00	3,116.70	4.93	35.66	11.06	24.40	4.77	1,516.91	1,498.81	18.09	83.831		
1,700.00	1,700.00	4,375.83	3,116.70	5.10	35.66	10.66	24.42	4.60	1,416.92	1,398.75	18.17	77.982		
1,800.00	1,800.00	4,375.65	3,116.70	5.26	35.65	10.26	24.43	4.42	1,316.94	1,298.69	18.25	72.168		
1,900.00	1,899.98	4,374.05	3,116.70	5.56	35.62	10.07	24.57	2.83	1,216.96	1,198.64	18.32	66.425		
2,000.00	1,999.84	4,369.59	3,116.71	6.15	35.52	10.33	24.96	-1.62	1,117.07	1,098.69	18.38	60.777		
2,100.00	2,099.59	4,363.71	3,116.72	6.46	35.38	11.01	25.47	-7.48	1,017.27	998.83	18.43	55.185		
2,200.00	2,199.35	4,357.82	3,116.73	6.64	35.25	12.11	25.99	-13.34	917.47	898.98	18.49	49.614		
2,300.00	2,299.11	4,351.93	3,116.74	6.84	35.12	14.21	26.50	-19.21	817.68	799.13	18.55	44.069		
2,400.00	2,398.86	4,346.04	3,116.75	7.05	34.99	19.73	27.02	-25.07	717.91	699.28	18.62	38.551		
2,500.00	2,498.62	4,340.16	3,116.76	7.27	34.85	61.04	27.53	-30.94	618.15	599.45	18.70	33.061		
2,600.00	2,598.38	4,334.27	3,116.77	7.50	34.72	169.73	28.04	-36.80	518.41	499.63	18.78	27.602		
2,700.00	2,698.10	4,328.05	3,116.78	7.72	34.58	179.51	28.58	-43.00	418.75	399.87	18.88	22.177		
2,800.00	2,796.52	4,313.76	3,116.81	8.46	34.26	-176.82	29.83	-57.24	320.76	301.67	19.09	16.798		
2,900.00	2,891.58	4,288.39	3,116.85	9.29	33.69	-175.63	32.05	-82.51	227.98	207.86	20.12	11.331		
3,000.00	2,981.44	4,252.43	3,116.92	10.03	32.88	-175.22	35.18	-118.33	148.21	123.23	24.98	5.933		
3,100.00	3,064.34	4,206.59	3,116.99	10.69	31.86	-175.05	39.18	-163.99	106.09	68.85	37.24	2.849		
3,110.71	3,072.74	4,201.14	3,117.00	10.75	31.73	-175.04	39.66	-169.43	105.64	67.35	38.28	2.759 CC, ES, SF		
3,200.00	3,138.67	4,151.76	3,117.09	11.25	30.63	-174.98	43.96	-218.61	132.17	93.27	38.90	3.398		
3,300.00	3,202.98	4,089.01	3,117.20	11.71	29.24	-174.95	49.44	-281.13	194.22	159.41	34.82	5.579		
3,400.00	3,260.44	4,021.86	3,117.31	11.96	27.76	-174.93	55.30	-348.02	263.46	231.17	32.29	8.159		
3,500.00	3,317.80	3,954.66	3,117.43	12.20	26.28	-174.92	61.16	-414.96	334.76	304.15	30.60	10.939		
3,600.00	3,370.87	3,882.91	3,117.55	12.66	24.72	-174.92	67.42	-486.44	402.80	373.28	29.52	13.643		
3,700.00	3,411.75	3,801.69	3,117.69	14.43	22.97	-175.10	74.49	-567.36	458.86	429.78	29.08	15.778		
3,800.00	3,439.11	3,721.87	3,117.83	16.37	21.18	-176.70	80.08	-646.97	501.97	472.86	29.11	17.246		
3,900.00	3,452.12	3,638.52	3,117.98	18.39	19.36	-178.37	83.55	-730.25	531.84	502.38	29.45	18.057		
4,000.00	3,451.04	3,556.20	3,118.10	20.38	17.62	179.61	84.59	-812.56	548.77	518.81	29.96	18.316		
4,100.00	3,446.32	3,500.00	3,115.07	22.39	16.46	174.37	83.82	-868.65	565.31	534.86	30.45	18.566		
4,200.00	3,441.59	3,450.00	3,107.91	24.50	15.45	168.74	82.02	-918.08	586.57	555.77	30.80	19.044		
4,300.00	3,436.85	3,400.00	3,096.58	26.62	14.47	163.47	79.20	-966.69	612.22	581.30	30.92	19.799		
4,400.00	3,432.12	3,350.00	3,081.19	28.75	13.53	158.52	75.37	-1,014.09	642.02	611.18	30.84	20.816		
4,500.00	3,427.39	3,300.00	3,061.85	30.88	12.65	153.82	70.57	-1,059.93	675.83	645.24	30.59	22.093		
4,600.00	3,422.68	3,250.00	3,038.70	33.00	11.82	149.34	64.82	-1,103.85	713.61	683.42	30.19	23.637		
4,700.00	3,417.97	3,200.00	3,011.93	35.07	11.08	145.14	58.18	-1,145.54	756.68	726.92	29.75	25.434		
4,800.00	3,413.27	3,129.71	2,971.62	37.17	10.42	142.60	48.18	-1,202.24	804.09	774.62	29.47	27.283		
4,900.00	3,408.57	3,046.41	2,923.84	39.29	10.28	141.06	36.33	-1,269.44	852.56	823.31	29.25	29.146		
5,000.00	3,403.86	2,979.52	2,885.28	41.43	10.13	138.73	26.84	-1,323.27	902.14	873.07	29.07	31.034		

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

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COMPASS 5000.17 Build 03

BURNETT OIL CO., INC.

Stryker Directional

Anticollision Report



Company:	Burnett Oil Company	Local Co-ordinate Reference:	Well The Horned Frog 31H
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 31H	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 Aggie 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									
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	Warning
5,100.00	3,399.16	2,950.00	2,867.25	43.59	10.02	134.75	22.78	-1,346.29	955.50	926.74	28.76	33.223	
5,200.00	3,394.45	2,900.00	2,834.58	45.76	9.81	132.06	16.21	-1,383.54	1,012.57	984.11	28.45	35.588	
5,300.00	3,389.75	2,865.07	2,810.22	47.95	9.65	129.06	11.87	-1,408.19	1,073.49	1,045.38	28.11	38.187	
5,400.00	3,385.05	2,833.02	2,786.82	50.15	9.50	126.31	8.06	-1,429.76	1,137.82	1,110.06	27.75	40.995	
5,500.00	3,380.34	2,800.00	2,761.71	52.36	9.33	123.88	4.34	-1,450.88	1,205.26	1,177.87	27.39	43.999	
5,600.00	3,375.64	2,776.68	2,743.40	54.57	9.20	121.51	1.84	-1,465.10	1,275.50	1,248.47	27.03	47.185	
5,700.00	3,370.93	2,750.00	2,721.88	56.80	9.05	119.48	-0.90	-1,480.63	1,348.30	1,321.62	26.68	50.544	
5,800.00	3,366.23	2,729.21	2,704.72	59.03	8.93	117.58	-2.94	-1,492.18	1,423.38	1,397.05	26.33	54.056	
5,900.00	3,361.53	2,700.00	2,680.05	61.27	8.75	116.00	-5.65	-1,507.57	1,500.59	1,474.60	25.99	57.731	
6,000.00	3,356.82	2,700.00	2,680.05	63.52	8.75	114.24	-5.65	-1,507.57	1,579.64	1,553.95	25.69	61.479	
6,100.00	3,352.12	2,671.19	2,655.10	65.77	8.57	112.98	-8.16	-1,521.77	1,660.19	1,634.81	25.38	65.407	
6,200.00	3,347.42	2,650.00	2,636.40	68.02	8.43	111.77	-9.89	-1,531.57	1,742.37	1,717.28	25.09	69.438	
6,300.00	3,342.71	2,650.00	2,636.40	70.28	8.43	110.50	-9.89	-1,531.57	1,825.96	1,801.11	24.85	73.471	
6,400.00	3,338.01	2,625.24	2,614.19	72.54	8.26	109.55	-11.78	-1,542.33	1,910.59	1,886.00	24.58	77.716	
6,500.00	3,333.30	2,600.00	2,591.16	74.81	8.09	108.67	-13.58	-1,552.52	1,996.54	1,972.21	24.32	82.078	
6,600.00	3,328.60	2,600.00	2,591.16	77.08	8.09	107.72	-13.58	-1,552.52	2,083.22	2,059.09	24.14	86.307	
6,700.00	3,323.90	2,600.00	2,591.16	79.35	8.09	106.87	-13.58	-1,552.52	2,171.06	2,147.09	23.97	90.587	
6,800.00	3,319.19	2,577.49	2,570.33	81.63	7.93	106.19	-15.06	-1,560.93	2,259.47	2,235.72	23.75	95.143	
6,900.00	3,314.49	2,550.00	2,544.55	83.91	7.72	105.57	-16.72	-1,570.31	2,349.00	2,325.47	23.52	99.858	
7,000.00	3,309.78	2,550.00	2,544.55	86.19	7.72	104.91	-16.72	-1,570.31	2,438.74	2,415.35	23.39	104.254	

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 31H
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 31H	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 Aggie 31H - 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		
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	256.294		
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	175.481		
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	1,801.76	1,800.76	5.26	5.26	-90.14	-3.90	-1,609.15	1,609.16	1,598.63	10.53	152.851		
1,900.00	1,899.98	1,977.26	1,976.15	5.56	6.01	-90.05	-0.37	-1,604.96	1,605.43	1,594.15	11.27	142.404		
2,000.00	1,999.84	2,086.59	2,085.22	6.15	6.42	-90.00	4.47	-1,599.18	1,596.12	1,584.13	11.99	133.096		
2,100.00	2,099.59	4,871.63	3,491.53	6.46	36.45	3.00	582.86	19.40	1,505.90	1,483.86	22.04	68.314		
2,200.00	2,199.35	4,864.19	3,491.69	6.64	36.30	2.81	582.87	11.96	1,412.50	1,389.99	22.51	62.759		
2,300.00	2,299.11	4,856.75	3,491.84	6.84	36.14	2.62	582.88	4.52	1,320.02	1,296.96	23.05	57.258		
2,400.00	2,398.86	4,849.31	3,492.00	7.05	35.98	2.43	582.89	-2.92	1,228.67	1,204.97	23.70	51.833		
2,500.00	2,498.62	4,841.87	3,492.15	7.27	35.83	2.24	582.90	-10.36	1,138.73	1,114.25	24.48	46.513		
2,600.00	2,598.38	4,834.43	3,492.31	7.50	35.67	2.04	582.91	-17.80	1,050.56	1,025.15	25.42	41.333		
2,700.00	2,698.10	4,826.67	3,492.47	7.72	35.51	1.83	582.93	-25.55	964.53	938.01	26.52	36.364		
2,800.00	2,796.52	4,811.39	3,492.79	8.46	35.19	1.65	582.95	-40.83	878.66	851.00	27.66	31.768		
2,900.00	2,891.58	4,785.80	3,493.33	9.29	34.65	1.49	582.99	-66.41	792.80	764.17	28.63	27.694		
3,000.00	2,981.44	4,750.40	3,494.07	10.03	33.92	1.35	583.05	-101.80	707.84	678.45	29.39	24.085		
3,100.00	3,064.34	4,705.89	3,495.01	10.69	32.99	1.23	583.12	-146.31	624.53	594.60	29.93	20.870		
3,200.00	3,138.67	4,650.21	3,496.17	11.25	31.84	0.73	583.13	-201.97	543.45	513.21	30.24	17.973		
3,300.00	3,202.98	4,582.04	3,497.61	11.71	30.41	-0.69	581.94	-270.12	464.38	434.11	30.27	15.341		
3,400.00	3,260.44	4,512.33	3,499.07	11.96	28.94	-2.13	579.05	-339.75	386.19	356.07	30.11	12.824		
3,500.00	3,317.80	4,445.54	3,500.48	12.20	27.53	-3.52	574.69	-406.38	307.12	276.93	30.18	10.175		
3,600.00	3,370.87	4,376.54	3,501.94	12.66	26.08	-4.96	568.55	-475.09	230.73	200.36	30.37	7.597		
3,700.00	3,411.75	4,298.45	3,503.58	14.43	24.44	-6.53	559.61	-552.65	163.30	133.13	30.17	5.413		
3,800.00	3,439.11	4,213.73	3,505.37	16.37	22.69	-8.09	547.53	-636.48	106.39	77.77	28.62	3.718		
3,900.00	3,452.12	4,124.86	3,507.24	18.39	20.88	-8.96	532.19	-723.99	65.55	42.14	23.42	2.799		
3,970.16	3,453.54	4,061.46	3,508.57	19.78	19.64	2.20	519.60	-786.12	55.23	33.65	21.59	2.559 CC, ES		
4,000.00	3,451.04	4,034.23	3,509.14	20.38	19.12	158.13	513.77	-812.70	58.60	34.84	23.76	2.466		
4,100.00	3,446.32	3,939.87	3,507.36	22.39	17.29	168.97	490.19	-903.97	79.18	46.94	32.24	2.456 SF		
4,200.00	3,441.59	3,850.71	3,494.03	24.50	15.59	165.00	461.06	-987.08	110.63	74.64	35.98	3.074		
4,300.00	3,436.85	3,771.01	3,472.51	26.62	14.13	158.41	429.83	-1,057.11	151.91	115.92	35.99	4.221		
4,400.00	3,432.12	3,700.00	3,446.03	28.75	12.96	151.56	398.41	-1,114.96	202.06	167.63	34.43	5.868		
4,500.00	3,427.39	3,641.07	3,419.13	30.88	12.59	144.24	370.09	-1,159.06	259.66	227.34	32.32	8.033		
4,600.00	3,422.68	3,589.16	3,391.97	33.00	12.43	137.83	343.73	-1,194.56	323.27	292.90	30.37	10.645		
4,700.00	3,417.97	3,531.33	3,358.99	35.07	12.28	133.88	313.35	-1,231.07	392.15	363.10	29.04	13.503		
4,800.00	3,413.27	3,465.88	3,321.45	37.17	12.12	131.86	278.89	-1,272.14	463.35	435.03	28.32	16.364		
4,900.00	3,408.57	3,400.43	3,283.91	39.29	11.97	130.36	244.43	-1,313.21	535.75	507.90	27.86	19.233		
5,000.00	3,403.86	3,342.50	3,250.24	41.43	11.80	128.58	214.13	-1,349.32	609.16	581.65	27.50	22.149		

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 31H
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 31H	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		Azimuth from North (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
5,100.00	3,399.16	3,300.00	3,223.54	43.59	11.61	125.98	192.88	-1,374.64	684.52	657.59	26.93	25.416	
5,200.00	3,394.45	3,250.00	3,189.68	45.76	11.36	124.17	169.24	-1,402.81	761.85	735.28	26.57	28.673	
5,300.00	3,389.75	3,211.70	3,162.06	47.95	11.15	122.00	152.20	-1,423.13	841.14	815.03	26.11	32.217	
5,400.00	3,385.05	3,176.16	3,135.18	50.15	10.95	120.00	137.25	-1,440.95	922.22	896.54	25.68	35.914	
5,500.00	3,380.34	3,150.00	3,114.69	52.36	10.79	117.95	126.80	-1,453.40	1,004.98	979.76	25.21	39.860	
5,600.00	3,375.64	3,114.97	3,086.34	54.57	10.57	116.43	113.58	-1,469.15	1,089.18	1,064.29	24.89	43.766	
5,700.00	3,370.93	3,088.63	3,064.38	56.80	10.40	114.85	104.23	-1,480.29	1,174.76	1,150.24	24.53	47.895	
5,800.00	3,366.23	3,064.72	3,043.99	59.03	10.23	113.40	96.20	-1,489.86	1,261.57	1,237.38	24.20	52.140	
5,900.00	3,361.53	3,050.00	3,031.23	61.27	10.13	111.94	91.48	-1,495.49	1,349.52	1,325.67	23.85	56.573	
6,000.00	3,356.82	3,023.10	3,007.55	63.52	9.94	110.87	83.28	-1,505.26	1,438.38	1,414.77	23.61	60.930	
6,100.00	3,352.12	3,000.00	2,986.84	65.77	9.77	109.83	76.71	-1,513.09	1,528.18	1,504.82	23.36	65.416	
6,200.00	3,347.42	3,000.00	2,986.84	68.02	9.77	108.60	76.71	-1,513.09	1,618.83	1,595.75	23.08	70.138	
6,300.00	3,342.71	2,972.97	2,962.20	70.28	9.56	107.83	69.56	-1,521.61	1,710.02	1,687.13	22.89	74.692	
6,400.00	3,338.01	2,950.00	2,940.95	72.54	9.38	107.07	63.97	-1,528.28	1,802.01	1,779.30	22.71	79.362	
6,500.00	3,333.30	2,950.00	2,940.95	74.81	9.38	106.16	63.97	-1,528.28	1,894.48	1,871.97	22.51	84.148	
6,600.00	3,328.60	2,933.73	2,925.73	77.08	9.25	105.47	60.27	-1,532.69	1,987.50	1,965.15	22.36	88.903	
6,700.00	3,323.90	2,922.52	2,915.17	79.35	9.16	104.81	57.85	-1,535.57	2,081.02	2,058.81	22.21	93.701	
6,800.00	3,319.19	2,900.00	2,893.79	81.63	8.98	104.27	53.31	-1,540.98	2,175.05	2,152.98	22.07	98.556	
6,900.00	3,314.49	2,900.00	2,893.79	83.91	8.98	103.64	53.31	-1,540.98	2,269.29	2,247.34	21.95	103.365	
7,000.00	3,309.78	2,900.00	2,893.79	86.19	8.98	103.06	53.31	-1,540.98	2,364.00	2,342.15	21.86	108.164	
7,100.00	3,305.08	2,900.00	2,893.79	88.47	8.98	102.52	53.31	-1,540.98	2,459.14	2,437.36	21.77	112.948	

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 31H
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 31H	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 Aggie 32H - 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		
0.00	0.00	1.00	0.00	0.00	0.01	-91.56	-43.90	-1,609.62	1,610.22					
100.00	100.00	101.00	100.00	0.93	0.93	-91.56	-43.90	-1,609.62	1,610.22	1,608.36	1.86	863.991		
200.00	200.00	201.00	200.00	1.51	1.51	-91.56	-43.90	-1,609.62	1,610.22	1,607.20	3.02	533.505		
300.00	300.00	301.00	300.00	1.94	1.94	-91.56	-43.90	-1,609.62	1,610.22	1,606.34	3.88	414.847		
400.00	400.00	401.00	400.00	2.30	2.29	-91.56	-43.90	-1,609.62	1,610.22	1,605.63	4.59	350.754		
500.00	500.00	501.00	500.00	2.61	2.60	-91.56	-43.90	-1,609.62	1,610.22	1,605.01	5.21	309.105		
600.00	600.00	601.00	600.00	2.88	2.88	-91.56	-43.90	-1,609.62	1,610.22	1,604.45	5.77	279.239		
700.00	700.00	701.00	700.00	3.14	3.14	-91.56	-43.90	-1,609.62	1,610.22	1,603.94	6.28	256.463		
800.00	800.00	801.00	800.00	3.38	3.38	-91.56	-43.90	-1,609.62	1,610.22	1,603.47	6.76	238.344		
900.00	900.00	901.00	900.00	3.60	3.60	-91.56	-43.90	-1,609.62	1,610.22	1,603.02	7.21	223.477		
1,000.00	1,000.00	1,001.00	1,000.00	3.82	3.82	-91.56	-43.90	-1,609.62	1,610.22	1,602.59	7.63	210.988		
1,100.00	1,100.00	1,101.00	1,100.00	4.02	4.02	-91.56	-43.90	-1,609.62	1,610.22	1,602.18	8.04	200.301		
1,200.00	1,200.00	1,201.00	1,200.00	4.22	4.21	-91.56	-43.90	-1,609.62	1,610.22	1,601.79	8.43	191.017		
1,300.00	1,300.00	1,301.00	1,300.00	4.40	4.40	-91.56	-43.90	-1,609.62	1,610.22	1,601.41	8.81	182.853		
1,400.00	1,400.00	1,401.00	1,400.00	4.59	4.58	-91.56	-43.90	-1,609.62	1,610.22	1,601.05	9.17	175.597		
1,500.00	1,500.00	1,501.00	1,500.00	4.76	4.76	-91.56	-43.90	-1,609.62	1,610.22	1,600.70	9.52	169.092		
1,600.00	1,600.00	1,601.00	1,600.00	4.93	4.93	-91.56	-43.90	-1,609.62	1,610.22	1,600.36	9.87	163.216		
1,700.00	1,700.00	1,701.00	1,700.00	5.10	5.10	-91.56	-43.90	-1,609.62	1,610.22	1,600.02	10.20	157.872		
1,800.00	1,800.00	1,801.63	1,800.63	5.26	5.26	-91.56	-43.90	-1,609.62	1,610.22	1,599.69	10.53	152.967		
1,900.00	1,899.98	1,964.24	1,963.15	5.56	5.81	-91.73	-47.23	-1,606.29	1,606.93	1,595.81	11.12	144.525		
2,000.00	1,999.84	2,115.29	2,113.65	6.15	6.62	-92.18	-56.12	-1,597.40	1,597.26	1,585.29	11.98	133.350		
2,100.00	2,099.59	2,213.77	2,211.60	6.46	6.89	-92.62	-63.40	-1,590.12	1,585.05	1,572.65	12.40	127.832		
2,200.00	2,199.35	4,955.58	3,563.80	6.64	37.69	178.09	-737.79	8.99	1,557.79	1,533.13	24.67	63.155		
2,300.00	2,299.11	4,948.31	3,563.94	6.84	37.54	178.25	-737.78	1.72	1,473.58	1,448.10	25.48	57.838		
2,400.00	2,398.86	4,941.04	3,564.08	7.05	37.39	178.40	-737.77	-5.55	1,391.42	1,365.02	26.41	52.695		
2,500.00	2,498.62	4,933.77	3,564.22	7.27	37.24	178.56	-737.76	-12.81	1,311.71	1,284.25	27.46	47.764		
2,600.00	2,598.38	4,926.50	3,564.36	7.50	37.09	178.71	-737.74	-20.08	1,234.90	1,206.24	28.66	43.088		
2,700.00	2,698.10	4,918.92	3,564.50	7.72	36.93	178.86	-737.73	-27.66	1,161.79	1,131.81	29.98	38.754		
2,800.00	2,796.52	4,903.81	3,564.79	8.46	36.62	179.01	-737.71	-42.77	1,098.42	1,066.80	31.62	34.740		
2,900.00	2,891.58	4,878.38	3,565.28	9.29	36.10	179.17	-737.67	-68.19	1,049.52	1,016.09	33.43	31.396		
3,000.00	2,981.44	4,844.28	3,565.94	10.03	35.40	179.24	-737.61	-102.29	1,017.42	982.24	35.18	28.922		
3,100.00	3,064.34	4,780.72	3,567.16	10.69	34.08	-179.35	-736.89	-165.83	1,003.02	966.60	36.42	27.544		
3,135.26	3,091.60	4,754.78	3,567.66	10.88	33.53	-178.79	-736.19	-191.75	1,002.00	965.28	36.72	27.289		
3,200.00	3,138.67	4,702.35	3,568.68	11.25	32.42	-177.67	-734.06	-244.14	1,005.28	968.23	37.05	27.135		
3,300.00	3,202.98	4,609.14	3,570.48	11.71	30.45	-175.71	-727.90	-337.12	1,021.95	984.89	37.06	27.576		
3,400.00	3,260.44	4,504.82	3,572.50	11.96	28.24	-173.54	-717.43	-440.88	1,046.99	1,010.50	36.48	28.700		
3,500.00	3,317.80	4,395.28	3,574.62	12.20	25.93	-171.28	-702.38	-549.36	1,073.88	1,038.14	35.74	30.046		
3,600.00	3,370.87	4,273.78	3,576.97	12.66	23.39	-168.78	-680.85	-668.91	1,100.33	1,065.44	34.89	31.536		
3,700.00	3,411.75	3,511.20	3,373.79	14.43	12.29	-136.40	-364.19	-1,289.33	1,091.13	1,066.84	24.29	44.925		
3,800.00	3,439.11	3,453.25	3,340.55	16.37	12.14	-138.74	-330.62	-1,322.90	1,063.16	1,037.62	25.53	41.637		
3,900.00	3,452.12	3,400.00	3,309.19	18.39	11.96	-141.47	-300.19	-1,353.33	1,029.18	1,002.23	26.95	38.188		
4,000.00	3,451.04	3,350.00	3,277.03	20.38	11.72	-144.57	-273.13	-1,380.39	989.79	961.35	28.45	34.796		
4,100.00	3,446.32	3,300.00	3,242.27	22.39	11.46	-147.99	-247.72	-1,405.80	950.74	920.74	30.00	31.687		
4,200.00	3,441.59	3,261.33	3,213.72	24.50	11.24	-152.29	-229.28	-1,424.24	914.85	883.04	31.81	28.761		
4,300.00	3,436.85	3,226.21	3,186.61	26.62	11.03	-157.17	-213.50	-1,440.02	883.16	849.53	33.62	26.265		
4,400.00	3,432.12	3,200.00	3,165.68	28.75	10.87	-162.84	-202.35	-1,451.17	856.72	821.26	35.46	24.163		
4,500.00	3,427.39	3,168.21	3,139.55	30.88	10.66	-168.75	-189.56	-1,463.96	836.43	799.43	36.99	22.610		
4,600.00	3,422.68	3,150.00	3,124.22	33.00	10.54	-175.49	-182.60	-1,470.92	823.22	784.78	38.44	21.414		
4,685.13	3,418.67	3,125.72	3,103.41	34.76	10.37	-178.80	-173.76	-1,479.76	819.15	780.00	39.15	20.921 CC, ES		
4,700.00	3,417.97	3,122.62	3,100.72	35.07	10.35	-177.75	-172.67	-1,480.85	819.27	780.01	39.27	20.864		
4,800.00	3,413.27	3,100.00	3,080.91	37.17	10.19	-170.74	-164.95	-1,488.57	826.55	786.80	39.75	20.796 SF		
4,900.00	3,408.57	3,084.63	3,067.26	39.29	10.07	-163.71	-159.96	-1,493.56	844.81	804.88	39.93	21.156		

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

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COMPASS 5000.17 Build 03

BURNETT OIL CO., INC.

Stryker Directional

Anticollision Report



Company:	Burnett Oil Company	Local Co-ordinate Reference:	Well The Horned Frog 31H
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 31H	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		Azimuth from North (°)	Distance		Minimum Separation (usft)	Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Between Centres (usft)	Between Ellipses (usft)					
5,000.00	3,403.86	3,067.88	3,052.21	41.43	9.95	157.08	-154.76	-1,498.76	873.49	833.81	39.68	22.011	
5,100.00	3,399.16	3,050.00	3,035.96	43.59	9.82	150.95	-149.48	-1,504.04	911.68	872.60	39.08	23.328	
5,200.00	3,394.45	3,050.00	3,035.96	45.76	9.82	145.31	-149.48	-1,504.04	958.47	919.85	38.62	24.821	
5,300.00	3,389.75	3,024.88	3,012.84	47.95	9.62	140.40	-142.55	-1,510.97	1,012.24	974.78	37.46	27.020	
5,400.00	3,385.05	3,000.00	2,989.60	50.15	9.42	136.01	-136.26	-1,517.26	1,072.64	1,036.40	36.24	29.598	
5,500.00	3,380.34	3,000.00	2,989.60	52.36	9.42	132.15	-136.26	-1,517.26	1,137.97	1,102.48	35.49	32.062	
5,600.00	3,375.64	3,000.00	2,989.60	54.57	9.42	128.79	-136.26	-1,517.26	1,208.06	1,173.32	34.74	34.778	
5,700.00	3,370.93	2,980.47	2,971.15	56.80	9.26	125.81	-131.72	-1,521.80	1,281.70	1,248.07	33.64	38.105	
5,800.00	3,366.23	2,971.12	2,962.27	59.03	9.18	123.20	-129.68	-1,523.84	1,358.62	1,325.85	32.77	41.455	
5,900.00	3,361.53	2,950.00	2,942.05	61.27	9.01	120.86	-125.36	-1,528.16	1,438.38	1,406.62	31.76	45.286	
6,000.00	3,356.82	2,950.00	2,942.05	63.52	9.01	118.85	-125.36	-1,528.16	1,520.11	1,488.95	31.17	48.776	
6,100.00	3,352.12	2,950.00	2,942.05	65.77	9.01	117.07	-125.36	-1,528.16	1,603.91	1,573.30	30.61	52.394	
6,200.00	3,347.42	2,950.00	2,942.05	68.02	9.01	115.47	-125.36	-1,528.16	1,689.48	1,659.38	30.10	56.123	
6,300.00	3,342.71	2,932.20	2,924.87	70.28	8.86	113.99	-122.05	-1,531.47	1,776.26	1,746.89	29.36	60.489	
6,400.00	3,338.01	2,925.69	2,918.57	72.54	8.80	112.69	-120.92	-1,532.60	1,864.38	1,835.54	28.85	64.630	
6,500.00	3,333.30	2,919.53	2,912.58	74.81	8.75	111.51	-119.88	-1,533.64	1,953.58	1,925.21	28.38	68.848	
6,600.00	3,328.60	2,900.00	2,893.53	77.08	8.58	110.41	-116.84	-1,536.68	2,043.89	2,016.12	27.76	73.625	
6,700.00	3,323.90	2,900.00	2,893.53	79.35	8.58	109.45	-116.84	-1,536.68	2,134.74	2,107.29	27.45	77.780	
6,800.00	3,319.19	2,900.00	2,893.53	81.63	8.58	108.57	-116.84	-1,536.68	2,226.38	2,199.22	27.16	81.979	
6,900.00	3,314.49	2,900.00	2,893.53	83.91	8.58	107.77	-116.84	-1,536.68	2,318.71	2,291.81	26.89	86.214	
7,000.00	3,309.78	2,900.00	2,893.53	86.19	8.58	107.03	-116.84	-1,536.68	2,411.65	2,384.99	26.65	90.478	

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 31H
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 31H	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 Aggie 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		
0.00	0.00	1.00	0.00	0.00	0.01	-92.28	-64.00	-1,609.76	1,611.04					
100.00	100.00	101.00	100.00	0.93	0.93	-92.28	-64.00	-1,609.76	1,611.04	1,609.17	1.86	864.428		
200.00	200.00	201.00	200.00	1.51	1.51	-92.28	-64.00	-1,609.76	1,611.04	1,608.02	3.02	533.775		
300.00	300.00	301.00	300.00	1.94	1.94	-92.28	-64.00	-1,609.76	1,611.04	1,607.16	3.88	415.057		
400.00	400.00	401.00	400.00	2.30	2.29	-92.28	-64.00	-1,609.76	1,611.04	1,606.45	4.59	350.932		
500.00	500.00	501.00	500.00	2.61	2.60	-92.28	-64.00	-1,609.76	1,611.04	1,605.83	5.21	309.261		
600.00	600.00	601.00	600.00	2.88	2.88	-92.28	-64.00	-1,609.76	1,611.04	1,605.27	5.77	279.381		
700.00	700.00	701.00	700.00	3.14	3.14	-92.28	-64.00	-1,609.76	1,611.04	1,604.76	6.28	256.593		
800.00	800.00	801.00	800.00	3.38	3.38	-92.28	-64.00	-1,609.76	1,611.04	1,604.28	6.76	238.465		
900.00	900.00	901.00	900.00	3.60	3.60	-92.28	-64.00	-1,609.76	1,611.04	1,603.83	7.21	223.590		
1,000.00	1,000.00	1,001.00	1,000.00	3.82	3.82	-92.28	-64.00	-1,609.76	1,611.04	1,603.40	7.63	211.095		
1,100.00	1,100.00	1,101.00	1,100.00	4.02	4.02	-92.28	-64.00	-1,609.76	1,611.04	1,603.00	8.04	200.403		
1,200.00	1,200.00	1,201.00	1,200.00	4.22	4.21	-92.28	-64.00	-1,609.76	1,611.04	1,602.61	8.43	191.114		
1,300.00	1,300.00	1,301.00	1,300.00	4.40	4.40	-92.28	-64.00	-1,609.76	1,611.04	1,602.23	8.81	182.945		
1,400.00	1,400.00	1,401.00	1,400.00	4.59	4.58	-92.28	-64.00	-1,609.76	1,611.04	1,601.87	9.17	175.686		
1,500.00	1,500.00	1,501.35	1,500.35	4.76	4.76	-92.28	-64.00	-1,609.76	1,611.04	1,601.51	9.52	169.172		
1,600.00	1,600.00	1,636.68	1,635.63	4.93	5.18	-92.38	-66.83	-1,608.13	1,609.92	1,599.99	9.93	162.164		
1,700.00	1,700.00	1,752.95	1,751.66	5.10	5.75	-92.61	-73.25	-1,604.43	1,606.93	1,596.60	10.33	155.512		
1,800.00	1,800.00	1,852.71	1,851.17	5.26	5.99	-92.83	-79.27	-1,600.95	1,603.73	1,593.08	10.65	150.616		
1,900.00	1,899.98	1,952.33	1,950.55	5.56	6.17	-93.10	-85.29	-1,597.47	1,599.28	1,588.28	11.00	145.439		
2,000.00	1,999.84	4,650.33	3,167.75	6.15	38.33	-175.49	-1,037.55	-87.61	1,567.36	1,537.89	29.47	53.185		
2,100.00	2,099.59	4,640.78	3,167.78	6.46	38.13	-175.27	-1,036.75	-97.12	1,497.34	1,466.81	30.53	49.040		
2,200.00	2,199.35	4,631.20	3,167.82	6.64	37.93	-175.06	-1,035.91	-106.67	1,430.84	1,399.19	31.64	45.216		
2,300.00	2,299.11	4,621.57	3,167.85	6.84	37.74	-174.85	-1,035.03	-116.26	1,368.38	1,335.55	32.83	41.682		
2,400.00	2,398.86	4,611.90	3,167.89	7.05	37.54	-174.64	-1,034.12	-125.89	1,310.54	1,276.47	34.07	38.465		
2,500.00	2,498.62	4,602.18	3,167.92	7.27	37.34	-174.42	-1,033.17	-135.56	1,257.95	1,222.60	35.35	35.587		
2,600.00	2,598.38	4,592.42	3,167.96	7.50	37.13	-174.21	-1,032.18	-145.26	1,211.30	1,174.67	36.63	33.069		
2,700.00	2,698.10	4,582.08	3,167.99	7.72	36.92	-173.98	-1,031.10	-155.55	1,171.51	1,133.69	37.83	30.970		
2,800.00	2,796.52	4,558.52	3,168.08	8.46	36.43	-173.49	-1,028.50	-178.97	1,144.67	1,105.76	38.91	29.417		
2,900.00	2,891.58	4,516.30	3,168.23	9.29	35.55	-172.63	-1,023.35	-220.87	1,133.70	1,094.14	39.56	28.657		
2,920.32	2,910.32	4,505.42	3,168.26	9.44	35.33	-172.41	-1,021.93	-231.66	1,133.39	1,093.76	39.63	28.603		
3,000.00	2,981.44	4,455.22	3,168.44	10.03	34.28	-171.39	-1,014.82	-281.35	1,138.02	1,098.42	39.61	28.734		
3,100.00	3,064.34	4,375.09	3,168.73	10.69	32.63	-169.77	-1,001.67	-360.39	1,155.62	1,116.60	39.02	29.614		
3,200.00	3,138.67	4,275.87	3,169.08	11.25	30.57	-167.78	-982.34	-457.70	1,183.42	1,145.51	37.90	31.222		
3,300.00	3,202.98	4,157.79	3,169.50	11.71	28.14	-165.40	-954.95	-572.56	1,217.72	1,181.31	36.41	33.442		
3,400.00	3,260.44	4,026.17	3,169.97	11.96	25.46	-162.76	-918.88	-699.12	1,253.95	1,219.17	34.79	36.048		
3,500.00	3,317.80	3,889.18	3,170.46	12.20	22.72	-160.01	-875.20	-828.95	1,289.06	1,255.83	33.23	38.792		
3,600.00	3,370.87	3,141.11	2,982.38	12.66	11.60	-132.58	-465.49	-1,377.97	1,307.59	1,285.57	22.02	59.371		
3,700.00	3,411.75	3,099.67	2,958.61	14.43	11.51	-135.13	-436.09	-1,394.94	1,297.37	1,274.18	23.20	55.929		
3,800.00	3,439.11	3,051.39	2,930.92	16.37	11.39	-137.66	-401.84	-1,414.71	1,278.24	1,253.80	24.44	52.300		
3,900.00	3,452.12	3,004.57	2,904.03	18.39	11.27	-140.43	-368.64	-1,433.88	1,249.72	1,223.97	25.75	48.540		
4,000.00	3,451.04	2,976.14	2,887.04	20.38	11.15	-144.09	-348.91	-1,445.28	1,212.88	1,185.66	27.22	44.552		
4,100.00	3,446.32	2,950.00	2,870.63	22.39	11.03	-148.11	-331.29	-1,455.45	1,176.28	1,147.59	28.68	41.011		
4,200.00	3,441.59	2,925.21	2,854.38	24.50	10.91	-152.53	-315.07	-1,464.81	1,143.18	1,112.97	30.20	37.850		
4,300.00	3,436.85	2,900.00	2,837.21	26.62	10.78	-157.29	-299.09	-1,474.04	1,114.17	1,082.53	31.64	35.217		
4,400.00	3,432.12	2,882.81	2,825.14	28.75	10.69	-162.70	-288.50	-1,480.15	1,089.79	1,056.68	33.11	32.918		
4,500.00	3,427.39	2,864.41	2,811.89	30.88	10.59	-168.42	-277.44	-1,486.54	1,070.58	1,036.19	34.38	31.137		
4,600.00	3,422.68	2,850.00	2,801.29	33.00	10.51	-174.58	-268.99	-1,491.42	1,057.00	1,021.47	35.52	29.754		
4,700.00	3,417.97	2,832.04	2,787.80	35.07	10.40	-179.10	-258.72	-1,497.35	1,050.84	1,014.55	36.28	28.962		
4,718.68	3,417.10	2,829.19	2,785.64	35.46	10.38	-177.89	-257.11	-1,498.27	1,050.68	1,014.27	36.41	28.856 CC, ES		
4,800.00	3,413.27	2,817.04	2,776.32	37.17	10.31	-172.59	-250.36	-1,502.17	1,053.65	1,016.79	36.87	28.581 SF		
4,900.00	3,408.57	2,800.00	2,763.02	39.29	10.21	-166.16	-241.13	-1,507.50	1,065.41	1,028.27	37.13	28.691		

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 31H
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 31H	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 Aggie 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										
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	Warning	
5,000.00	3,403.86	2,800.00	2,763.02	41.43	10.21	159.81	-241.13	-1,507.50	1,085.96	1,048.38	37.58	28.898		
5,100.00	3,399.16	2,775.58	2,743.54	43.59	10.05	153.99	-228.38	-1,514.86	1,114.45	1,077.29	37.16	29.993		
5,200.00	3,394.45	2,750.00	2,722.61	45.76	9.88	148.54	-215.65	-1,522.21	1,150.90	1,114.40	36.50	31.529		
5,300.00	3,389.75	2,750.00	2,722.61	47.95	9.88	143.60	-215.65	-1,522.21	1,193.93	1,157.58	36.35	32.845		
5,400.00	3,385.05	2,750.00	2,722.61	50.15	9.88	139.21	-215.65	-1,522.21	1,243.53	1,207.46	36.07	34.478		
5,500.00	3,380.34	2,727.64	2,703.89	52.36	9.73	135.18	-205.06	-1,528.33	1,298.42	1,263.28	35.14	36.949		
5,600.00	3,375.64	2,716.82	2,694.70	54.57	9.65	131.64	-200.11	-1,531.18	1,358.33	1,323.87	34.45	39.424		
5,700.00	3,370.93	2,700.00	2,680.24	56.80	9.53	128.45	-192.67	-1,535.48	1,422.57	1,388.97	33.61	42.331		
5,800.00	3,366.23	2,700.00	2,680.24	59.03	9.53	125.76	-192.67	-1,535.48	1,490.49	1,457.36	33.14	44.980		
5,900.00	3,361.53	2,700.00	2,680.24	61.27	9.53	123.37	-192.67	-1,535.48	1,561.87	1,529.20	32.66	47.819		
6,000.00	3,356.82	2,677.53	2,660.62	63.52	9.37	121.05	-183.19	-1,540.95	1,635.77	1,604.05	31.72	51.571		
6,100.00	3,352.12	2,668.61	2,652.74	65.77	9.30	119.08	-179.58	-1,543.04	1,712.33	1,681.24	31.10	55.067		
6,200.00	3,347.42	2,650.00	2,636.13	68.02	9.16	117.24	-172.31	-1,547.24	1,791.16	1,760.85	30.31	59.087		
6,300.00	3,342.71	2,650.00	2,636.13	70.28	9.16	115.72	-172.31	-1,547.24	1,871.73	1,841.80	29.92	62.557		
6,400.00	3,338.01	2,650.00	2,636.13	72.54	9.16	114.36	-172.31	-1,547.24	1,954.09	1,924.54	29.55	66.134		
6,500.00	3,333.30	2,650.00	2,636.13	74.81	9.16	113.12	-172.31	-1,547.24	2,038.03	2,008.83	29.20	69.805		
6,600.00	3,328.60	2,628.69	2,616.85	77.08	8.99	111.84	-164.45	-1,551.77	2,122.99	2,094.49	28.50	74.482		
6,700.00	3,323.90	2,621.54	2,610.32	79.35	8.93	110.77	-161.92	-1,553.23	2,209.29	2,181.20	28.09	78.659		
6,800.00	3,319.19	2,600.00	2,590.48	81.63	8.76	109.69	-154.66	-1,557.42	2,296.78	2,269.30	27.48	83.586		
6,900.00	3,314.49	2,600.00	2,590.48	83.91	8.76	108.84	-154.66	-1,557.42	2,384.92	2,357.69	27.23	87.599		
7,000.00	3,309.78	2,600.00	2,590.48	86.19	8.76	108.06	-154.66	-1,557.42	2,473.96	2,446.97	26.99	91.661		

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 31H
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 31H	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	0.59	20.14	0.21	20.14				
100.00	100.00	100.00	100.00	0.93	0.93	0.59	20.14	0.21	20.14	18.27	1.87	10.784	
200.00	200.00	200.00	200.00	1.51	1.51	0.59	20.14	0.21	20.14	17.12	3.02	6.667	
300.00	300.00	300.00	300.00	1.94	1.94	0.59	20.14	0.21	20.14	16.26	3.88	5.186	
400.00	400.00	400.00	400.00	2.30	2.30	0.59	20.14	0.21	20.14	15.55	4.59	4.386	
500.00	500.00	500.00	500.00	2.61	2.61	0.59	20.14	0.21	20.14	14.93	5.21	3.865	
600.00	600.00	600.00	600.00	2.88	2.88	0.59	20.14	0.21	20.14	14.37	5.77	3.492	
700.00	700.00	700.00	700.00	3.14	3.14	0.59	20.14	0.21	20.14	13.86	6.28	3.207	
800.00	800.00	800.00	800.00	3.38	3.38	0.59	20.14	0.21	20.14	13.38	6.76	2.981	
900.00	900.00	900.00	900.00	3.60	3.60	0.59	20.14	0.21	20.14	12.93	7.21	2.795	
1,000.00	1,000.00	1,000.00	1,000.00	3.82	3.82	0.59	20.14	0.21	20.14	12.51	7.63	2.639	
1,100.00	1,100.00	1,100.00	1,100.00	4.02	4.02	0.59	20.14	0.21	20.14	12.10	8.04	2.505	
1,200.00	1,200.00	1,200.00	1,200.00	4.22	4.22	0.59	20.14	0.21	20.14	11.71	8.43	2.389	
1,300.00	1,300.00	1,300.00	1,300.00	4.40	4.40	0.59	20.14	0.21	20.14	11.33	8.81	2.287	
1,400.00	1,400.00	1,400.00	1,400.00	4.59	4.59	0.59	20.14	0.21	20.14	10.97	9.17	2.196	
1,500.00	1,500.00	1,500.00	1,500.00	4.76	4.76	0.59	20.14	0.21	20.14	10.62	9.52	2.115 CC, ES, SF	
1,600.00	1,600.00	1,599.36	1,599.34	4.93	5.10	-1.73	21.63	-0.65	21.65	11.65	10.00	2.164	
1,700.00	1,700.00	1,698.48	1,698.32	5.10	5.73	-7.05	26.09	-3.23	26.34	15.61	10.73	2.454	
1,800.00	1,800.00	1,798.22	1,797.82	5.26	6.07	-11.79	32.12	-6.71	32.88	21.63	11.25	2.923	
1,900.00	1,899.98	1,898.07	1,897.43	5.56	6.26	-13.45	38.15	-10.19	38.15	26.44	11.72	3.256	
2,000.00	1,999.84	1,998.03	1,997.14	6.15	6.47	-11.85	44.19	-13.68	40.65	28.32	12.34	3.296	
2,100.00	2,099.59	2,098.00	2,096.87	6.46	6.69	-8.92	50.23	-17.16	41.85	29.11	12.74	3.284	
2,200.00	2,199.35	2,197.97	2,196.60	6.64	6.93	-6.15	56.26	-20.65	43.15	30.08	13.07	3.301	
2,300.00	2,299.11	2,292.96	2,290.84	6.84	7.42	-5.87	66.10	-26.33	49.11	35.54	13.57	3.618	
2,400.00	2,398.86	2,384.41	2,379.41	7.05	8.23	-9.76	85.60	-37.58	66.99	52.59	14.40	4.653	
2,500.00	2,498.62	2,470.36	2,459.41	7.27	8.93	-13.86	112.69	-53.23	96.66	81.61	15.06	6.419	
2,600.00	2,598.38	2,550.00	2,529.70	7.50	9.52	-16.88	145.03	-71.90	137.19	121.62	15.57	8.813	
2,700.00	2,698.10	2,619.94	2,587.69	7.72	9.98	-18.72	178.86	-91.43	186.82	171.03	15.79	11.835	
2,800.00	2,796.52	2,686.74	2,639.26	8.46	10.38	-18.51	215.59	-112.64	237.19	220.92	16.27	14.583	
2,900.00	2,891.58	2,750.00	2,684.26	9.29	10.72	-16.39	254.07	-134.85	284.62	267.92	16.70	17.042	
3,000.00	2,981.44	2,814.29	2,725.80	10.03	11.01	-12.88	296.55	-159.38	328.73	311.55	17.17	19.142	
3,100.00	3,064.34	2,889.64	2,769.65	10.69	11.27	-8.83	349.60	-190.00	368.52	350.60	17.91	20.572	
3,200.00	3,138.67	2,983.67	2,823.59	11.25	11.48	-5.03	416.30	-228.52	398.13	379.06	19.07	20.878	
3,300.00	3,202.98	3,074.28	2,875.28	11.71	11.70	-0.08	480.49	-266.16	416.75	396.58	20.17	20.660	
3,400.00	3,260.44	3,156.82	2,917.86	11.96	12.03	4.42	537.20	-308.26	431.50	410.49	21.01	20.539	
3,500.00	3,317.80	3,240.16	2,954.19	12.20	13.39	6.72	591.16	-360.23	449.75	427.65	22.10	20.354	
3,600.00	3,370.87	3,322.06	2,982.64	12.66	14.90	8.55	639.84	-419.53	469.15	445.76	23.39	20.058	
3,700.00	3,411.75	3,400.00	3,002.50	14.43	16.38	12.11	681.27	-482.42	485.73	460.73	25.00	19.427	
3,800.00	3,439.11	3,484.26	3,015.62	16.37	18.00	15.09	719.78	-556.11	498.91	471.89	27.02	18.463	
3,900.00	3,452.12	3,565.13	3,019.81	18.39	19.56	19.09	749.86	-630.99	508.34	479.20	29.15	17.441	
4,000.00	3,451.04	3,667.74	3,017.39	20.38	21.43	18.45	780.17	-728.99	512.65	481.03	31.62	16.215	
4,100.00	3,446.32	3,778.07	3,014.48	22.39	23.55	16.19	808.64	-835.53	514.69	480.42	34.27	15.019	
4,200.00	3,441.59	3,888.72	3,011.56	24.50	25.75	13.92	833.04	-943.41	516.62	479.55	37.07	13.935	
4,300.00	3,436.85	3,999.68	3,008.62	26.62	27.97	11.65	853.32	-1,052.45	518.43	478.47	39.96	12.974	
4,400.00	3,432.12	4,110.92	3,005.66	28.75	30.23	9.37	869.38	-1,162.49	520.09	477.19	42.90	12.123	
4,500.00	3,427.39	4,222.45	3,002.71	30.88	32.49	7.09	881.19	-1,273.34	521.59	475.71	45.88	11.369	
4,600.00	3,422.68	4,334.23	2,999.75	33.00	34.77	4.81	888.69	-1,384.82	522.91	474.05	48.87	10.701	
4,700.00	3,417.97	4,446.29	2,996.80	35.07	37.05	2.53	891.83	-1,496.80	522.97	471.26	51.71	10.114	
4,800.00	3,413.27	4,549.32	2,994.10	37.17	39.10	1.96	891.83	-1,599.79	521.37	466.89	54.48	9.570	
4,900.00	3,408.57	4,649.30	2,991.48	39.29	41.12	1.95	891.70	-1,699.73	519.70	462.39	57.32	9.067	
5,000.00	3,403.86	4,749.28	2,988.86	41.43	43.16	1.94	891.56	-1,799.68	518.03	457.84	60.20	8.606	
5,100.00	3,399.16	4,849.26	2,986.23	43.59	45.24	1.93	891.43	-1,899.62	516.37	453.25	63.12	8.181	

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 31H
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 31H	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	3,394.45	4,949.24	2,983.61	45.76	47.33	1.92	891.30	-1,999.57	514.71	448.63	66.08	7.789	
5,300.00	3,389.75	5,049.21	2,980.99	47.95	49.44	1.91	891.17	-2,099.51	513.05	443.98	69.07	7.428	
5,400.00	3,385.05	5,149.19	2,978.37	50.15	51.58	1.90	891.04	-2,199.45	511.39	439.30	72.10	7.093	
5,500.00	3,380.34	5,249.17	2,975.74	52.36	53.72	1.89	890.90	-2,299.40	509.74	434.59	75.15	6.783	
5,600.00	3,375.64	5,349.15	2,973.12	54.57	55.88	1.88	890.77	-2,399.34	508.09	429.85	78.24	6.494	
5,700.00	3,370.93	5,449.13	2,970.50	56.80	58.05	1.87	890.64	-2,499.28	506.44	425.09	81.35	6.225	
5,800.00	3,366.23	5,549.11	2,967.88	59.03	60.24	1.86	890.51	-2,599.23	504.80	420.31	84.49	5.975	
5,900.00	3,361.53	5,649.08	2,965.25	61.27	62.43	1.85	890.38	-2,699.17	503.16	415.50	87.66	5.740	
6,000.00	3,356.82	5,749.06	2,962.63	63.52	64.63	1.84	890.24	-2,799.12	501.53	410.68	90.85	5.521	
6,100.00	3,352.12	5,849.04	2,960.01	65.77	66.84	1.83	890.11	-2,899.06	499.89	405.83	94.06	5.315	
6,200.00	3,347.42	5,949.02	2,957.39	68.02	69.06	1.82	889.98	-2,999.00	498.26	400.96	97.30	5.121	
6,300.00	3,342.71	6,049.00	2,954.76	70.28	71.29	1.81	889.85	-3,098.95	496.64	396.08	100.56	4.939	
6,400.00	3,338.01	6,148.98	2,952.14	72.54	73.52	1.80	889.72	-3,198.89	495.01	391.17	103.84	4.767	
6,500.00	3,333.30	6,248.95	2,949.52	74.81	75.75	1.79	889.58	-3,298.84	493.39	386.25	107.15	4.605	
6,600.00	3,328.60	6,348.93	2,946.90	77.08	77.99	1.78	889.45	-3,398.78	491.78	381.30	110.47	4.452	
6,700.00	3,323.90	6,448.91	2,944.27	79.35	80.24	1.77	889.32	-3,498.72	490.16	376.34	113.82	4.306	
6,800.00	3,319.19	6,548.89	2,941.65	81.63	82.49	1.76	889.19	-3,598.67	488.56	371.36	117.19	4.169	
6,900.00	3,314.49	6,648.87	2,939.03	83.91	84.74	1.75	889.06	-3,698.61	486.95	366.37	120.58	4.038	
7,000.00	3,309.78	6,748.85	2,936.41	86.19	87.00	1.73	888.92	-3,798.55	485.35	361.35	124.00	3.914	
7,100.00	3,305.08	6,848.82	2,933.78	88.47	89.26	1.72	888.79	-3,898.50	483.75	356.32	127.43	3.796	
7,200.00	3,300.38	6,948.80	2,931.16	90.75	91.52	1.71	888.66	-3,998.44	482.16	351.27	130.88	3.684	
7,300.00	3,295.67	7,048.78	2,928.54	93.04	93.79	1.70	888.53	-4,098.39	480.56	346.21	134.36	3.577	
7,400.00	3,290.97	7,148.76	2,925.92	95.33	96.06	1.69	888.40	-4,198.33	478.98	341.13	137.85	3.475	
7,500.00	3,286.26	7,248.74	2,923.29	97.62	98.33	1.68	888.26	-4,298.27	477.39	336.03	141.37	3.377	
7,600.00	3,281.56	7,348.72	2,920.67	99.91	100.61	1.67	888.13	-4,398.22	475.82	330.91	144.90	3.284	
7,700.00	3,276.86	7,448.69	2,918.05	102.20	102.88	1.66	888.00	-4,498.16	474.24	325.78	148.46	3.194	
7,800.00	3,272.15	7,548.67	2,915.43	104.49	105.16	1.65	887.87	-4,598.11	472.67	320.64	152.03	3.109	
7,900.00	3,267.45	7,648.65	2,912.81	106.79	107.44	1.64	887.74	-4,698.05	471.10	315.47	155.63	3.027	
8,000.00	3,262.74	7,748.63	2,910.18	109.08	109.73	1.63	887.60	-4,797.99	469.54	310.29	159.25	2.948	
8,100.00	3,258.04	7,848.61	2,907.56	111.38	112.01	1.62	887.47	-4,897.94	467.98	305.09	162.88	2.873	
8,200.00	3,253.34	7,948.59	2,904.94	113.68	114.30	1.61	887.34	-4,997.88	466.42	299.88	166.54	2.801	
8,300.00	3,248.63	8,048.56	2,902.32	115.98	116.58	1.60	887.21	-5,097.82	464.87	294.65	170.22	2.731	
8,400.00	3,243.93	8,148.54	2,899.69	118.28	118.87	1.59	887.08	-5,197.77	463.32	289.41	173.92	2.664	
8,500.00	3,239.22	8,248.52	2,897.07	120.58	121.16	1.58	886.94	-5,297.71	461.78	284.14	177.64	2.600	
8,600.00	3,234.52	8,348.50	2,894.45	122.88	123.45	1.57	886.81	-5,397.66	460.24	278.87	181.38	2.537	
8,700.00	3,229.82	8,448.48	2,891.83	125.18	125.75	1.56	886.68	-5,497.60	458.71	273.57	185.14	2.478	
8,800.00	3,225.11	8,548.46	2,889.20	127.48	128.04	1.55	886.55	-5,597.54	457.18	268.26	188.92	2.420	
8,900.00	3,220.41	8,648.43	2,886.58	129.79	130.33	1.54	886.42	-5,697.49	455.65	262.93	192.72	2.364	
9,000.00	3,215.71	8,748.41	2,883.96	132.09	132.63	1.53	886.28	-5,797.43	454.13	257.59	196.54	2.311	
9,100.00	3,211.00	8,848.39	2,881.34	134.40	134.93	1.52	886.15	-5,897.38	452.61	252.23	200.38	2.259	
9,185.06	3,207.00	8,933.43	2,879.11	136.36	136.88	1.51	886.04	-5,982.38	451.33	247.66	203.67	2.216	

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 31H
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 31H	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	-178.84	-19.88	-0.40	19.89				
100.00	100.00	100.00	100.00	0.93	0.94	-178.84	-19.88	-0.40	19.89	18.02	1.87	10.633	
200.00	200.00	200.00	200.00	1.51	1.51	-178.84	-19.88	-0.40	19.89	16.86	3.02	6.579	
300.00	300.00	300.00	300.00	1.94	1.94	-178.84	-19.88	-0.40	19.89	16.00	3.88	5.119	
400.00	400.00	400.00	400.00	2.30	2.30	-178.84	-19.88	-0.40	19.89	15.29	4.59	4.329	
500.00	500.00	500.00	500.00	2.61	2.61	-178.84	-19.88	-0.40	19.89	14.67	5.21	3.816	
600.00	600.00	600.00	600.00	2.88	2.88	-178.84	-19.88	-0.40	19.89	14.12	5.77	3.447	
700.00	700.00	700.00	700.00	3.14	3.14	-178.84	-19.88	-0.40	19.89	13.61	6.28	3.166	
800.00	800.00	800.00	800.00	3.38	3.38	-178.84	-19.88	-0.40	19.89	13.13	6.76	2.943	
900.00	900.00	900.00	900.00	3.60	3.60	-178.84	-19.88	-0.40	19.89	12.68	7.21	2.759	
1,000.00	1,000.00	1,000.00	1,000.00	3.82	3.82	-178.84	-19.88	-0.40	19.89	12.25	7.63	2.605	
1,100.00	1,100.00	1,100.00	1,100.00	4.02	4.02	-178.84	-19.88	-0.40	19.89	11.85	8.04	2.473	
1,200.00	1,200.00	1,200.00	1,200.00	4.22	4.22	-178.84	-19.88	-0.40	19.89	11.45	8.43	2.359	
1,300.00	1,300.00	1,300.00	1,300.00	4.40	4.40	-178.84	-19.88	-0.40	19.89	11.08	8.81	2.258	
1,400.00	1,400.00	1,400.00	1,400.00	4.59	4.59	-178.84	-19.88	-0.40	19.89	10.71	9.17	2.168	
1,500.00	1,500.00	1,500.00	1,500.00	4.76	4.76	-178.84	-19.88	-0.40	19.89	10.36	9.52	2.088	
1,600.00	1,600.00	1,600.00	1,600.00	4.93	4.93	-178.84	-19.88	-0.40	19.89	10.02	9.87	2.015	
1,700.00	1,700.00	1,700.00	1,700.00	5.10	5.10	-178.84	-19.88	-0.40	19.89	9.68	10.20	1.949	
1,800.00	1,800.00	1,800.00	1,800.00	5.26	5.26	-178.84	-19.88	-0.40	19.89	9.36	10.53	1.889 CC, ES, SF	
1,900.00	1,899.98	1,899.98	1,899.98	5.56	5.42	177.45	-19.88	-0.40	21.02	10.10	10.92	1.925	
2,000.00	1,999.84	1,999.84	1,999.84	6.15	5.58	168.53	-19.88	-0.40	24.86	13.34	11.52	2.157	
2,100.00	2,099.59	2,099.59	2,099.59	6.46	5.73	160.38	-19.88	-0.40	30.63	18.61	12.02	2.548	
2,200.00	2,199.35	2,199.35	2,199.35	6.64	5.88	154.88	-19.88	-0.40	36.82	24.41	12.40	2.968	
2,300.00	2,299.11	2,300.08	2,300.06	6.84	6.01	152.50	-19.99	-1.63	42.77	30.07	12.70	3.368	
2,400.00	2,398.86	2,401.45	2,400.49	7.05	6.86	164.54	-21.19	-14.66	45.28	32.45	12.83	3.529	
2,500.00	2,498.62	2,498.65	2,494.15	7.27	7.64	-170.74	-23.55	-40.29	51.31	38.56	12.75	4.023	
2,600.00	2,598.38	2,588.69	2,577.06	7.50	8.28	-147.05	-26.74	-75.08	72.48	59.18	13.30	5.451	
2,700.00	2,698.10	2,669.95	2,647.60	7.72	8.80	-132.71	-30.43	-115.16	110.35	96.42	13.93	7.921	
2,800.00	2,796.52	2,744.61	2,708.03	8.46	9.23	-128.54	-34.43	-158.78	158.14	143.81	14.33	11.038	
2,900.00	2,891.58	2,814.08	2,759.87	9.29	9.58	-130.22	-38.66	-204.79	210.06	195.44	14.62	14.369	
3,000.00	2,981.44	2,878.82	2,803.94	10.03	9.86	-134.88	-43.00	-251.98	264.20	249.28	14.91	17.717	
3,100.00	3,064.34	2,945.50	2,844.67	10.69	10.11	-140.29	-47.83	-304.52	319.77	304.32	15.45	20.691	
3,200.00	3,138.67	3,018.12	2,886.33	11.25	10.24	-145.42	-53.27	-363.76	373.87	357.63	16.24	23.023	
3,300.00	3,202.98	3,099.11	2,932.78	11.71	10.38	-149.84	-59.34	-429.83	423.84	406.30	17.55	24.153	
3,400.00	3,260.44	3,167.86	2,971.86	11.96	11.24	-155.12	-64.45	-486.16	473.07	454.16	18.91	25.015	
3,500.00	3,317.80	3,220.12	2,998.14	12.20	12.05	-160.55	-67.93	-531.17	527.96	507.72	20.24	26.087	
3,600.00	3,370.87	3,272.35	3,020.23	12.66	12.94	-165.11	-70.90	-578.39	583.11	561.23	21.88	26.654	
3,700.00	3,411.75	3,327.24	3,038.74	14.43	13.94	-169.48	-73.45	-629.97	629.79	605.84	23.95	26.298	
3,800.00	3,439.11	3,384.81	3,052.80	16.37	15.06	-173.56	-75.48	-685.74	667.23	640.94	26.29	25.382	
3,900.00	3,452.12	3,450.00	3,061.93	18.39	16.38	-176.83	-76.94	-750.24	694.86	665.84	29.02	23.948	
4,000.00	3,451.04	3,507.38	3,063.90	20.38	17.57	179.24	-77.49	-807.55	712.68	681.20	31.48	22.640	
4,100.00	3,446.32	3,600.50	3,061.05	22.39	19.53	178.80	-77.63	-900.63	727.80	692.87	34.93	20.836	
4,200.00	3,441.59	3,699.26	3,057.95	24.50	21.66	178.83	-77.77	-999.34	740.22	701.49	38.73	19.112	
4,300.00	3,436.85	3,798.50	3,054.84	26.62	23.84	178.85	-77.92	-1,098.54	749.79	707.17	42.62	17.592	
4,400.00	3,432.12	3,898.11	3,051.72	28.75	26.04	178.87	-78.06	-1,198.09	756.45	709.88	46.57	16.245	
4,500.00	3,427.39	3,997.96	3,048.58	30.88	28.27	178.88	-78.20	-1,297.89	760.13	709.60	50.53	15.042	
4,600.00	3,422.68	4,097.92	3,045.45	33.00	30.51	178.89	-78.35	-1,397.81	760.81	706.32	54.49	13.961	
4,700.00	3,417.97	4,197.91	3,042.31	35.07	32.77	178.89	-78.49	-1,497.75	760.04	701.65	58.40	13.015	
4,800.00	3,413.27	4,297.90	3,039.17	37.17	35.03	178.90	-78.64	-1,597.69	759.28	696.93	62.34	12.179	
4,900.00	3,408.57	4,397.89	3,036.04	39.29	37.31	178.90	-78.78	-1,697.63	758.51	692.19	66.32	11.437	
5,000.00	3,403.86	4,497.87	3,032.90	41.43	39.58	178.91	-78.92	-1,797.56	757.75	687.42	70.33	10.774	
5,100.00	3,399.16	4,597.86	3,029.76	43.59	41.87	178.91	-79.07	-1,897.50	756.99	682.63	74.36	10.180	

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 31H
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 31H	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	3,394.45	4,697.85	3,026.63	45.76	44.15	178.92	-79.21	-1,997.44	756.23	677.81	78.42	9.643	
5,300.00	3,389.75	4,797.84	3,023.49	47.95	46.44	178.92	-79.35	-2,097.38	755.48	672.98	82.50	9.158	
5,400.00	3,385.05	4,897.83	3,020.35	50.15	48.74	178.92	-79.50	-2,197.32	754.73	668.14	86.59	8.716	
5,500.00	3,380.34	4,997.81	3,017.22	52.36	51.04	178.93	-79.64	-2,297.26	753.98	663.28	90.70	8.313	
5,600.00	3,375.64	5,097.80	3,014.08	54.57	53.33	178.93	-79.79	-2,397.19	753.23	658.40	94.83	7.943	
5,700.00	3,370.93	5,197.79	3,010.94	56.80	55.64	178.94	-79.93	-2,497.13	752.49	653.52	98.97	7.603	
5,800.00	3,366.23	5,297.78	3,007.81	59.03	57.94	178.94	-80.07	-2,597.07	751.74	648.62	103.13	7.290	
5,900.00	3,361.53	5,397.76	3,004.67	61.27	60.24	178.95	-80.22	-2,697.01	751.00	643.71	107.29	6.999	
6,000.00	3,356.82	5,497.75	3,001.53	63.52	62.55	178.95	-80.36	-2,796.95	750.27	638.79	111.48	6.730	
6,100.00	3,352.12	5,597.74	2,998.40	65.77	64.86	178.95	-80.51	-2,896.89	749.53	633.87	115.67	6.480	
6,200.00	3,347.42	5,697.73	2,995.26	68.02	67.16	178.96	-80.65	-2,996.82	748.80	628.93	119.87	6.247	
6,300.00	3,342.71	5,797.71	2,992.12	70.28	69.47	178.96	-80.79	-3,096.76	748.07	623.99	124.09	6.029	
6,400.00	3,338.01	5,897.70	2,988.99	72.54	71.78	178.97	-80.94	-3,196.70	747.35	619.04	128.31	5.825	
6,500.00	3,333.30	5,997.69	2,985.85	74.81	74.10	178.97	-81.08	-3,296.64	746.62	614.08	132.55	5.633	
6,600.00	3,328.60	6,097.68	2,982.71	77.08	76.41	178.98	-81.23	-3,396.58	745.90	609.11	136.79	5.453	
6,700.00	3,323.90	6,197.67	2,979.58	79.35	78.72	178.98	-81.37	-3,496.52	745.18	604.14	141.04	5.283	
6,800.00	3,319.19	6,297.65	2,976.44	81.63	81.03	178.98	-81.51	-3,596.46	744.46	599.16	145.31	5.123	
6,900.00	3,314.49	6,397.64	2,973.30	83.91	83.35	178.99	-81.66	-3,696.39	743.75	594.17	149.58	4.972	
7,000.00	3,309.78	6,497.63	2,970.17	86.19	85.66	178.99	-81.80	-3,796.33	743.04	589.18	153.86	4.829	
7,100.00	3,305.08	6,597.62	2,967.03	88.47	87.98	179.00	-81.95	-3,896.27	742.33	584.18	158.15	4.694	
7,200.00	3,300.38	6,697.60	2,963.89	90.75	90.29	179.00	-82.09	-3,996.21	741.63	579.18	162.45	4.565	
7,300.00	3,295.67	6,797.59	2,960.76	93.04	92.61	179.01	-82.23	-4,096.15	740.92	574.17	166.75	4.443	
7,400.00	3,290.97	6,897.58	2,957.62	95.33	94.92	179.01	-82.38	-4,196.09	740.22	569.15	171.07	4.327	
7,500.00	3,286.26	6,997.57	2,954.48	97.62	97.24	179.01	-82.52	-4,296.02	739.52	564.13	175.39	4.216	
7,600.00	3,281.56	7,097.56	2,951.35	99.91	99.56	179.02	-82.66	-4,395.96	738.83	559.11	179.72	4.111	
7,700.00	3,276.86	7,197.54	2,948.21	102.20	101.88	179.02	-82.81	-4,495.90	738.14	554.08	184.06	4.010	
7,800.00	3,272.15	7,297.53	2,945.07	104.49	104.19	179.03	-82.95	-4,595.84	737.45	549.04	188.41	3.914	
7,900.00	3,267.45	7,397.52	2,941.94	106.79	106.51	179.03	-83.10	-4,695.78	736.76	544.00	192.76	3.822	
8,000.00	3,262.74	7,497.51	2,938.80	109.08	108.83	179.04	-83.24	-4,795.72	736.08	538.95	197.12	3.734	
8,100.00	3,258.04	7,597.49	2,935.66	111.38	111.15	179.04	-83.38	-4,895.65	735.39	533.90	201.49	3.650	
8,200.00	3,253.34	7,697.48	2,932.53	113.68	113.47	179.04	-83.53	-4,995.59	734.72	528.85	205.87	3.569	
8,300.00	3,248.63	7,797.47	2,929.39	115.98	115.78	179.05	-83.67	-5,095.53	734.04	523.79	210.25	3.491	
8,400.00	3,243.93	7,897.46	2,926.25	118.28	118.10	179.05	-83.82	-5,195.47	733.37	518.72	214.64	3.417	
8,500.00	3,239.22	7,997.44	2,923.12	120.58	120.42	179.06	-83.96	-5,295.41	732.69	513.65	219.04	3.345	
8,600.00	3,234.52	8,097.43	2,919.98	122.88	122.74	179.06	-84.10	-5,395.35	732.03	508.58	223.45	3.276	
8,700.00	3,229.82	8,197.42	2,916.84	125.18	125.06	179.07	-84.25	-5,495.28	731.36	503.50	227.86	3.210	
8,800.00	3,225.11	8,297.41	2,913.70	127.48	127.38	179.07	-84.39	-5,595.22	730.70	498.42	232.28	3.146	
8,900.00	3,220.41	8,397.40	2,910.57	129.79	129.70	179.07	-84.54	-5,695.16	730.04	493.34	236.70	3.084	
9,000.00	3,215.71	8,497.38	2,907.43	132.09	132.02	179.08	-84.68	-5,795.10	729.38	488.24	241.14	3.025	
9,100.00	3,211.00	8,597.37	2,904.29	134.40	134.34	179.08	-84.82	-5,895.04	728.73	483.15	245.58	2.967	
9,185.06	3,207.00	8,682.42	2,901.63	136.36	136.31	179.09	-84.95	-5,980.04	728.17	478.81	249.36	2.920	

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 31H
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 31H	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	-179.33	-40.00	-0.47	40.00				
100.00	100.00	100.00	100.00	0.93	0.93	-179.33	-40.00	-0.47	40.00	38.14	1.87	21.422	
200.00	200.00	200.00	200.00	1.51	1.51	-179.33	-40.00	-0.47	40.00	36.98	3.02	13.244	
300.00	300.00	300.00	300.00	1.94	1.94	-179.33	-40.00	-0.47	40.00	36.12	3.88	10.302	
400.00	400.00	400.00	400.00	2.30	2.30	-179.33	-40.00	-0.47	40.00	35.41	4.59	8.712	
500.00	500.00	500.00	500.00	2.61	2.61	-179.33	-40.00	-0.47	40.00	34.79	5.21	7.678	
600.00	600.00	600.00	600.00	2.88	2.88	-179.33	-40.00	-0.47	40.00	34.24	5.77	6.936	
700.00	700.00	700.00	700.00	3.14	3.14	-179.33	-40.00	-0.47	40.00	33.73	6.28	6.371	
800.00	800.00	800.00	800.00	3.38	3.38	-179.33	-40.00	-0.47	40.00	33.25	6.76	5.921	
900.00	900.00	900.00	900.00	3.60	3.60	-179.33	-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	-179.33	-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	-179.33	-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	-179.33	-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	-179.33	-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	-179.33	-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	-179.33	-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	-179.33	-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	-179.33	-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	-179.33	-40.00	-0.47	40.00	29.48	10.53	3.801 CC, ES	
1,900.00	1,899.98	1,899.98	1,899.98	5.56	5.42	178.79	-40.00	-0.47	41.13	30.22	10.92	3.768 SF	
2,000.00	1,999.84	1,999.84	1,999.84	6.15	5.58	173.74	-40.00	-0.47	44.75	33.28	11.47	3.901	
2,100.00	2,099.59	2,099.59	2,099.59	6.46	5.73	168.21	-40.00	-0.47	50.03	38.10	11.93	4.193	
2,200.00	2,199.35	2,199.35	2,199.35	6.64	5.88	163.76	-40.00	-0.47	55.68	43.37	12.31	4.524	
2,300.00	2,299.11	2,299.11	2,299.11	6.84	6.03	160.16	-40.00	-0.47	61.60	48.92	12.68	4.858	
2,400.00	2,398.86	2,398.86	2,398.86	7.05	6.17	157.19	-40.00	-0.47	67.72	54.66	13.06	5.186	
2,500.00	2,498.62	2,498.62	2,498.62	7.27	6.31	154.72	-40.00	-0.47	73.99	60.55	13.44	5.506	
2,600.00	2,598.38	2,598.38	2,598.38	7.50	6.45	152.64	-40.00	-0.47	80.38	66.56	13.82	5.814	
2,700.00	2,698.10	2,697.89	2,697.89	7.72	6.58	150.78	-40.01	-0.48	87.25	73.08	14.17	6.156	
2,800.00	2,796.52	2,791.60	2,791.29	8.46	7.08	150.89	-45.19	-4.82	105.89	90.96	14.94	7.089	
2,900.00	2,891.58	2,879.06	2,876.97	9.29	7.76	152.99	-58.41	-15.91	141.52	125.82	15.70	9.014	
3,000.00	2,981.44	2,956.87	2,950.94	10.03	8.32	154.51	-76.82	-31.36	192.87	176.53	16.33	11.807	
3,100.00	3,064.34	3,023.35	3,011.76	10.69	8.75	154.79	-97.34	-48.58	257.73	240.86	16.87	15.276	
3,200.00	3,138.67	3,078.20	3,059.90	11.25	9.09	154.06	-117.46	-65.46	333.41	316.08	17.33	19.237	
3,300.00	3,202.98	3,121.96	3,096.77	11.71	9.34	152.68	-135.50	-80.60	417.26	399.52	17.74	23.522	
3,400.00	3,260.44	3,158.20	3,126.17	11.96	9.53	151.27	-151.73	-94.21	505.50	487.44	18.06	27.991	
3,500.00	3,317.80	3,191.80	3,152.44	12.20	9.70	150.25	-167.77	-107.68	594.81	576.44	18.37	32.382	
3,600.00	3,370.87	3,222.73	3,175.73	12.66	9.85	149.01	-183.36	-120.76	684.78	666.05	18.73	36.561	
3,700.00	3,411.75	3,250.00	3,195.52	14.43	9.98	147.02	-197.73	-132.81	773.76	754.60	19.16	40.379	
3,800.00	3,439.11	3,277.39	3,214.66	16.37	10.10	144.73	-212.73	-145.40	860.03	840.33	19.70	43.661	
3,900.00	3,452.12	3,300.00	3,229.90	18.39	10.19	142.11	-225.53	-156.15	942.26	922.03	20.23	46.576	
4,000.00	3,451.04	3,325.93	3,246.70	20.38	10.29	139.66	-240.66	-168.84	1,019.71	998.84	20.87	48.860	
4,100.00	3,446.32	3,350.00	3,261.65	22.39	10.38	137.33	-255.11	-180.96	1,096.63	1,075.13	21.50	51.013	
4,200.00	3,441.59	3,382.51	3,280.82	24.50	10.46	135.55	-275.21	-197.83	1,174.17	1,151.84	22.34	52.561	
4,300.00	3,436.85	3,424.48	3,304.90	26.62	10.52	134.26	-301.55	-219.93	1,251.73	1,228.30	23.43	53.421	
4,400.00	3,432.12	4,407.51	3,517.37	28.75	24.77	171.50	-704.91	-1,019.53	1,297.60	1,248.00	49.60	26.159	
4,500.00	3,427.39	4,588.35	3,508.14	30.88	28.45	175.11	-726.56	-1,198.80	1,314.51	1,258.77	55.74	23.581	
4,600.00	3,422.68	4,772.80	3,498.74	33.00	32.26	178.79	-736.93	-1,382.69	1,321.65	1,259.70	61.94	21.336	
4,700.00	3,417.97	4,902.73	3,492.15	35.07	34.90	-179.92	-737.84	-1,512.44	1,322.03	1,255.22	66.81	19.789	
4,800.00	3,413.27	5,002.73	3,487.09	37.17	36.95	-179.92	-737.98	-1,612.31	1,322.01	1,250.90	71.10	18.593	
4,900.00	3,408.57	5,102.73	3,482.02	39.29	39.03	-179.92	-738.12	-1,712.19	1,321.99	1,246.55	75.44	17.524	
5,000.00	3,403.86	5,202.73	3,476.95	41.43	41.13	-179.92	-738.25	-1,812.06	1,321.97	1,242.16	79.81	16.564	
5,100.00	3,399.16	5,302.73	3,471.88	43.59	43.26	-179.92	-738.39	-1,911.93	1,321.95	1,237.74	84.21	15.698	

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 31H
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 31H	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	3,394.45	5,402.73	3,466.82	45.76	45.40	-179.92	-738.53	-2,011.80	1,321.93	1,233.29	88.64	14.914	
5,300.00	3,389.75	5,502.73	3,461.75	47.95	47.56	-179.92	-738.66	-2,111.67	1,321.91	1,228.83	93.08	14.201	
5,400.00	3,385.05	5,602.73	3,456.68	50.15	49.74	-179.92	-738.80	-2,211.54	1,321.89	1,224.35	97.55	13.551	
5,500.00	3,380.34	5,702.73	3,451.62	52.36	51.92	-179.92	-738.94	-2,311.41	1,321.88	1,219.85	102.03	12.956	
5,600.00	3,375.64	5,802.73	3,446.55	54.57	54.12	-179.92	-739.07	-2,411.28	1,321.86	1,215.34	106.52	12.409	
5,700.00	3,370.93	5,902.73	3,441.48	56.80	56.33	-179.92	-739.21	-2,511.15	1,321.84	1,210.81	111.03	11.906	
5,800.00	3,366.23	6,002.72	3,436.41	59.03	58.54	-179.92	-739.35	-2,611.02	1,321.82	1,206.28	115.54	11.440	
5,900.00	3,361.53	6,102.72	3,431.35	61.27	60.77	-179.92	-739.48	-2,710.89	1,321.80	1,201.74	120.07	11.009	
6,000.00	3,356.82	6,202.72	3,426.28	63.52	63.00	-179.93	-739.62	-2,810.76	1,321.79	1,197.18	124.60	10.608	
6,100.00	3,352.12	6,302.72	3,421.21	65.77	65.24	-179.93	-739.76	-2,910.63	1,321.77	1,192.62	129.15	10.235	
6,200.00	3,347.42	6,402.72	3,416.15	68.02	67.48	-179.93	-739.90	-3,010.51	1,321.75	1,188.06	133.69	9.886	
6,300.00	3,342.71	6,502.72	3,411.08	70.28	69.73	-179.93	-740.03	-3,110.38	1,321.73	1,183.48	138.25	9.560	
6,400.00	3,338.01	6,602.72	3,406.01	72.54	71.98	-179.93	-740.17	-3,210.25	1,321.72	1,178.91	142.81	9.255	
6,500.00	3,333.30	6,702.72	3,400.94	74.81	74.23	-179.93	-740.31	-3,310.12	1,321.70	1,174.32	147.38	8.968	
6,600.00	3,328.60	6,802.72	3,395.88	77.08	76.50	-179.93	-740.44	-3,409.99	1,321.68	1,169.74	151.95	8.698	
6,700.00	3,323.90	6,902.72	3,390.81	79.35	78.76	-179.93	-740.58	-3,509.86	1,321.66	1,165.14	156.52	8.444	
6,800.00	3,319.19	7,002.72	3,385.74	81.63	81.03	-179.93	-740.72	-3,609.73	1,321.65	1,160.55	161.10	8.204	
6,900.00	3,314.49	7,102.72	3,380.68	83.91	83.30	-179.93	-740.85	-3,709.60	1,321.63	1,155.95	165.68	7.977	
7,000.00	3,309.78	7,202.72	3,375.61	86.19	85.57	-179.93	-740.99	-3,809.47	1,321.61	1,151.35	170.27	7.762	
7,100.00	3,305.08	7,302.72	3,370.54	88.47	87.84	-179.93	-741.13	-3,909.34	1,321.60	1,146.74	174.86	7.558	
7,200.00	3,300.38	7,402.72	3,365.47	90.75	90.12	-179.94	-741.27	-4,009.21	1,321.58	1,142.13	179.45	7.365	
7,300.00	3,295.67	7,502.72	3,360.41	93.04	92.40	-179.94	-741.40	-4,109.08	1,321.56	1,137.52	184.04	7.181	
7,400.00	3,290.97	7,602.71	3,355.34	95.33	94.68	-179.94	-741.54	-4,208.96	1,321.55	1,132.91	188.64	7.006	
7,500.00	3,286.26	7,702.71	3,350.27	97.62	96.97	-179.94	-741.68	-4,308.83	1,321.53	1,128.30	193.24	6.839	
7,600.00	3,281.56	7,802.71	3,345.21	99.91	99.25	-179.94	-741.81	-4,408.70	1,321.52	1,123.68	197.84	6.680	
7,700.00	3,276.86	7,902.71	3,340.14	102.20	101.54	-179.94	-741.95	-4,508.57	1,321.50	1,119.06	202.44	6.528	
7,800.00	3,272.15	8,002.71	3,335.07	104.49	103.83	-179.94	-742.09	-4,608.44	1,321.48	1,114.44	207.04	6.383	
7,900.00	3,267.45	8,102.71	3,330.01	106.79	106.12	-179.94	-742.22	-4,708.31	1,321.47	1,109.82	211.65	6.244	
8,000.00	3,262.74	8,202.71	3,324.94	109.08	108.41	-179.94	-742.36	-4,808.18	1,321.45	1,105.20	216.26	6.111	
8,100.00	3,258.04	8,302.71	3,319.87	111.38	110.70	-179.94	-742.50	-4,908.05	1,321.44	1,100.57	220.87	5.983	
8,200.00	3,253.34	8,402.71	3,314.80	113.68	113.00	-179.94	-742.64	-5,007.92	1,321.42	1,095.94	225.48	5.861	
8,300.00	3,248.63	8,502.71	3,309.74	115.98	115.29	-179.94	-742.77	-5,107.79	1,321.41	1,091.32	230.09	5.743	
8,400.00	3,243.93	8,602.71	3,304.67	118.28	117.59	-179.94	-742.91	-5,207.66	1,321.39	1,086.69	234.70	5.630	
8,500.00	3,239.22	8,702.71	3,299.60	120.58	119.88	-179.95	-743.05	-5,307.53	1,321.37	1,082.06	239.32	5.521	
8,600.00	3,234.52	8,802.71	3,294.54	122.88	122.18	-179.95	-743.18	-5,407.40	1,321.36	1,077.43	243.93	5.417	
8,700.00	3,229.82	8,902.71	3,289.47	125.18	124.48	-179.95	-743.32	-5,507.28	1,321.34	1,072.80	248.55	5.316	
8,800.00	3,225.11	9,002.71	3,284.40	127.48	126.78	-179.95	-743.46	-5,607.15	1,321.33	1,068.16	253.17	5.219	
8,900.00	3,220.41	9,102.70	3,279.33	129.79	129.08	-179.95	-743.59	-5,707.02	1,321.31	1,063.53	257.79	5.126	
9,000.00	3,215.71	9,202.70	3,274.27	132.09	131.38	-179.95	-743.73	-5,806.89	1,321.30	1,058.89	262.40	5.035	
9,100.00	3,211.00	9,302.70	3,269.20	134.40	133.68	-179.95	-743.87	-5,906.76	1,321.28	1,054.26	267.03	4.948	
9,185.06	3,207.00	9,387.76	3,264.89	136.36	135.64	-179.95	-743.98	-5,991.71	1,321.27	1,050.32	270.96	4.876	

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

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COMPASS 5000.17 Build 03

BURNETT OIL CO., INC.

Stryker Directional

Anticollision Report



Company:	Burnett Oil Company	Local Co-ordinate Reference:	Well The Horned Frog 31H
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 31H	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	-179.32	-59.90	-0.71	59.90				
100.00	100.00	100.00	100.00	0.93	0.93	-179.32	-59.90	-0.71	59.90	58.04	1.87	32.079	
200.00	200.00	200.00	200.00	1.51	1.51	-179.32	-59.90	-0.71	59.90	56.88	3.02	19.833	
300.00	300.00	300.00	300.00	1.94	1.94	-179.32	-59.90	-0.71	59.90	56.02	3.88	15.427	
400.00	400.00	400.00	400.00	2.30	2.30	-179.32	-59.90	-0.71	59.90	55.31	4.59	13.045	
500.00	500.00	500.00	500.00	2.61	2.61	-179.32	-59.90	-0.71	59.90	54.69	5.21	11.497	
600.00	600.00	600.00	600.00	2.88	2.88	-179.32	-59.90	-0.71	59.90	54.14	5.77	10.387	
700.00	700.00	700.00	700.00	3.14	3.14	-179.32	-59.90	-0.71	59.90	53.63	6.28	9.540	
800.00	800.00	800.00	800.00	3.38	3.38	-179.32	-59.90	-0.71	59.90	53.15	6.76	8.866	
900.00	900.00	900.00	900.00	3.60	3.60	-179.32	-59.90	-0.71	59.90	52.70	7.21	8.313	
1,000.00	1,000.00	1,000.00	1,000.00	3.82	3.82	-179.32	-59.90	-0.71	59.90	52.27	7.63	7.849	
1,100.00	1,100.00	1,100.00	1,100.00	4.02	4.02	-179.32	-59.90	-0.71	59.90	51.87	8.04	7.451	
1,200.00	1,200.00	1,200.00	1,200.00	4.22	4.22	-179.32	-59.90	-0.71	59.90	51.47	8.43	7.106	
1,300.00	1,300.00	1,300.00	1,300.00	4.40	4.40	-179.32	-59.90	-0.71	59.90	51.10	8.81	6.802	
1,400.00	1,400.00	1,400.00	1,400.00	4.59	4.59	-179.32	-59.90	-0.71	59.90	50.73	9.17	6.532	
1,500.00	1,500.00	1,500.00	1,500.00	4.76	4.76	-179.32	-59.90	-0.71	59.90	50.38	9.52	6.290 CC, ES	
1,600.00	1,600.00	1,598.09	1,598.07	4.93	4.96	-178.68	-61.42	-1.42	61.47	51.60	9.87	6.230	
1,700.00	1,700.00	1,695.95	1,695.80	5.10	5.56	-176.93	-65.97	-3.54	66.20	55.64	10.56	6.266	
1,800.00	1,800.00	1,795.62	1,795.23	5.26	5.88	-174.88	-72.27	-6.47	72.72	61.67	11.04	6.585	
1,900.00	1,899.98	1,895.33	1,894.69	5.56	6.06	-174.21	-78.57	-9.41	80.28	68.84	11.43	7.021	
2,000.00	1,999.84	1,994.85	1,993.97	6.15	6.24	-175.52	-84.87	-12.35	89.82	77.91	11.91	7.541	
2,100.00	2,099.59	2,094.24	2,093.11	6.46	6.44	-177.38	-91.15	-15.28	100.43	88.12	12.31	8.156	
2,200.00	2,199.35	2,193.62	2,192.26	6.64	6.66	-178.88	-97.43	-18.21	111.13	98.45	12.68	8.763	
2,300.00	2,299.11	2,293.01	2,291.40	6.84	6.88	-179.89	-103.72	-21.14	121.90	108.83	13.06	9.330	
2,400.00	2,398.86	2,382.02	2,379.93	7.05	7.22	-179.21	-111.71	-24.87	135.47	122.02	13.46	10.067	
2,500.00	2,498.62	2,463.91	2,459.94	7.27	7.93	-179.96	-127.37	-32.17	159.05	144.96	14.08	11.292	
2,600.00	2,598.38	2,540.63	2,532.65	7.50	8.58	-178.40	-149.45	-42.46	192.48	177.85	14.62	13.161	
2,700.00	2,698.10	2,611.02	2,596.72	7.72	9.14	-176.84	-175.81	-54.75	235.23	220.22	15.01	15.672	
2,800.00	2,796.52	2,672.90	2,650.46	8.46	9.59	-177.39	-203.59	-67.71	290.46	275.04	15.43	18.830	
2,900.00	2,891.58	2,724.91	2,693.43	9.29	9.94	-179.95	-230.11	-80.08	357.13	341.35	15.78	22.637	
3,000.00	2,981.44	2,767.12	2,726.68	10.03	10.20	-176.35	-253.68	-91.07	432.48	416.40	16.08	26.901	
3,100.00	3,064.34	2,800.00	2,751.48	10.69	10.40	-172.13	-273.24	-100.19	514.16	497.81	16.36	31.435	
3,200.00	3,138.67	2,825.16	2,769.77	11.25	10.53	-167.84	-288.89	-107.49	600.14	583.49	16.65	36.049	
3,300.00	3,202.98	2,850.00	2,787.23	11.71	10.67	-164.06	-304.91	-114.96	688.70	671.61	17.09	40.298	
3,400.00	3,260.44	2,850.00	2,787.23	11.96	10.67	-159.81	-304.91	-114.96	778.80	761.70	17.11	45.527	
3,500.00	3,317.80	2,867.97	2,799.47	12.20	10.76	-157.24	-316.83	-120.52	870.70	853.21	17.49	49.780	
3,600.00	3,370.87	2,878.94	2,806.78	12.66	10.81	-154.56	-324.25	-123.97	961.93	944.16	17.76	54.147	
3,700.00	3,411.75	2,900.00	2,820.45	14.43	10.91	-151.99	-338.76	-130.74	1,048.31	1,029.96	18.34	57.145	
3,800.00	3,439.11	2,900.00	2,820.45	16.37	10.91	-148.43	-338.76	-130.74	1,128.28	1,109.69	18.59	60.678	
3,900.00	3,452.12	2,900.00	2,820.45	18.39	10.91	-144.89	-338.76	-130.74	1,201.32	1,182.40	18.92	63.510	
4,000.00	3,451.04	2,900.00	2,820.45	20.38	10.91	-141.46	-338.76	-130.74	1,267.06	1,247.87	19.19	66.034	
4,100.00	3,446.32	2,919.71	2,832.82	22.39	11.00	-138.98	-352.67	-137.23	1,332.47	1,312.66	19.81	67.256	
4,200.00	3,441.59	2,928.89	2,838.43	24.50	11.04	-136.36	-359.25	-140.29	1,400.10	1,379.84	20.26	69.107	
4,300.00	3,436.85	2,950.00	2,850.99	26.62	11.14	-134.33	-374.63	-147.47	1,469.50	1,448.55	20.94	70.160	
4,400.00	3,432.12	2,952.07	2,852.19	28.75	11.14	-131.85	-376.16	-148.18	1,540.06	1,518.84	21.22	72.586	
4,500.00	3,427.39	2,974.09	2,864.84	30.88	11.20	-130.12	-392.49	-155.79	1,611.65	1,589.75	21.90	73.603	
4,600.00	3,422.68	4,235.89	3,111.77	33.00	28.37	-169.17	-1,001.00	-1,107.59	1,641.68	1,585.93	55.74	29.451	
4,700.00	3,417.97	4,463.63	3,102.89	35.07	32.84	-173.72	-1,033.15	-1,332.81	1,655.25	1,592.50	62.76	26.375	
4,800.00	3,413.27	4,695.07	3,093.93	37.17	37.47	-178.35	-1,047.38	-1,563.58	1,661.00	1,591.29	69.72	23.825	
4,900.00	3,408.57	4,827.30	3,088.85	39.29	40.08	-179.49	-1,048.12	-1,695.71	1,661.07	1,586.54	74.54	22.285	
5,000.00	3,403.86	4,927.30	3,085.01	41.43	42.07	-179.49	-1,048.26	-1,795.63	1,660.91	1,582.12	78.79	21.081	
5,100.00	3,399.16	5,027.30	3,081.17	43.59	44.10	-179.49	-1,048.40	-1,895.55	1,660.75	1,577.68	83.07	19.992	

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 31H
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 31H	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 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		
5,200.00	3,394.45	5,127.29	3,077.34	45.76	46.16	179.49	-1,048.54	-1,995.48	1,660.59	1,573.20	87.39	19.003		
5,300.00	3,389.75	5,227.29	3,073.50	47.95	48.24	179.49	-1,048.68	-2,095.40	1,660.43	1,568.70	91.73	18.102		
5,400.00	3,385.05	5,327.28	3,069.66	50.15	50.34	179.49	-1,048.82	-2,195.32	1,660.27	1,564.17	96.09	17.278		
5,500.00	3,380.34	5,427.28	3,065.82	52.36	52.46	179.50	-1,048.96	-2,295.24	1,660.10	1,559.63	100.47	16.523		
5,600.00	3,375.64	5,527.28	3,061.98	54.57	54.59	179.50	-1,049.10	-2,395.17	1,659.94	1,555.07	104.87	15.828		
5,700.00	3,370.93	5,627.27	3,058.15	56.80	56.74	179.50	-1,049.24	-2,495.09	1,659.79	1,550.50	109.29	15.187		
5,800.00	3,366.23	5,727.27	3,054.31	59.03	58.90	179.50	-1,049.38	-2,595.01	1,659.63	1,545.91	113.72	14.594		
5,900.00	3,361.53	5,827.26	3,050.47	61.27	61.08	179.50	-1,049.52	-2,694.93	1,659.47	1,541.31	118.16	14.044		
6,000.00	3,356.82	5,927.26	3,046.63	63.52	63.26	179.50	-1,049.66	-2,794.86	1,659.31	1,536.70	122.61	13.533		
6,100.00	3,352.12	6,027.26	3,042.80	65.77	65.46	179.50	-1,049.80	-2,894.78	1,659.15	1,532.08	127.07	13.057		
6,200.00	3,347.42	6,127.25	3,038.96	68.02	67.66	179.50	-1,049.94	-2,994.70	1,658.99	1,527.45	131.54	12.612		
6,300.00	3,342.71	6,227.25	3,035.12	70.28	69.87	179.50	-1,050.08	-3,094.62	1,658.84	1,522.81	136.02	12.195		
6,400.00	3,338.01	6,327.25	3,031.28	72.54	72.09	179.51	-1,050.22	-3,194.55	1,658.68	1,518.17	140.51	11.805		
6,500.00	3,333.30	6,427.24	3,027.45	74.81	74.31	179.51	-1,050.36	-3,294.47	1,658.52	1,513.52	145.00	11.438		
6,600.00	3,328.60	6,527.24	3,023.61	77.08	76.54	179.51	-1,050.50	-3,394.39	1,658.37	1,508.87	149.50	11.093		
6,700.00	3,323.90	6,627.23	3,019.77	79.35	78.77	179.51	-1,050.64	-3,494.31	1,658.21	1,504.21	154.01	10.767		
6,800.00	3,319.19	6,727.23	3,015.93	81.63	81.01	179.51	-1,050.78	-3,594.24	1,658.06	1,499.54	158.52	10.460		
6,900.00	3,314.49	6,827.23	3,012.09	83.91	83.26	179.51	-1,050.92	-3,694.16	1,657.90	1,494.87	163.03	10.169		
7,000.00	3,309.78	6,927.22	3,008.26	86.19	85.51	179.51	-1,051.06	-3,794.08	1,657.75	1,490.20	167.55	9.894		
7,100.00	3,305.08	7,027.22	3,004.42	88.47	87.76	179.51	-1,051.20	-3,894.00	1,657.60	1,485.52	172.08	9.633		
7,200.00	3,300.38	7,127.22	3,000.58	90.75	90.02	179.52	-1,051.34	-3,993.93	1,657.44	1,480.84	176.61	9.385		
7,300.00	3,295.67	7,227.21	2,996.74	93.04	92.28	179.52	-1,051.48	-4,093.85	1,657.29	1,476.15	181.14	9.149		
7,400.00	3,290.97	7,327.21	2,992.91	95.33	94.54	179.52	-1,051.62	-4,193.77	1,657.14	1,471.46	185.68	8.925		
7,500.00	3,286.26	7,427.20	2,989.07	97.62	96.80	179.52	-1,051.76	-4,293.69	1,656.99	1,466.77	190.22	8.711		
7,600.00	3,281.56	7,527.20	2,985.23	99.91	99.07	179.52	-1,051.90	-4,393.62	1,656.84	1,462.08	194.76	8.507		
7,700.00	3,276.86	7,627.20	2,981.39	102.20	101.34	179.52	-1,052.04	-4,493.54	1,656.69	1,457.38	199.30	8.312		
7,800.00	3,272.15	7,727.19	2,977.56	104.49	103.61	179.52	-1,052.18	-4,593.46	1,656.54	1,452.68	203.85	8.126		
7,900.00	3,267.45	7,827.19	2,973.72	106.79	105.89	179.52	-1,052.32	-4,693.38	1,656.39	1,447.98	208.40	7.948		
8,000.00	3,262.74	7,927.19	2,969.88	109.08	108.17	179.52	-1,052.46	-4,793.31	1,656.24	1,443.28	212.96	7.777		
8,100.00	3,258.04	8,027.18	2,966.04	111.38	110.45	179.53	-1,052.60	-4,893.23	1,656.09	1,438.57	217.51	7.614		
8,200.00	3,253.34	8,127.18	2,962.21	113.68	112.73	179.53	-1,052.74	-4,993.15	1,655.94	1,433.87	222.07	7.457		
8,300.00	3,248.63	8,227.17	2,958.37	115.98	115.01	179.53	-1,052.88	-5,093.07	1,655.79	1,429.16	226.63	7.306		
8,400.00	3,243.93	8,327.17	2,954.53	118.28	117.29	179.53	-1,053.02	-5,193.00	1,655.64	1,424.45	231.20	7.161		
8,500.00	3,239.22	8,427.17	2,950.69	120.58	119.58	179.53	-1,053.16	-5,292.92	1,655.50	1,419.73	235.76	7.022		
8,600.00	3,234.52	8,527.16	2,946.85	122.88	121.87	179.53	-1,053.29	-5,392.84	1,655.35	1,415.02	240.33	6.888		
8,700.00	3,229.82	8,627.16	2,943.02	125.18	124.16	179.53	-1,053.43	-5,492.76	1,655.20	1,410.31	244.90	6.759		
8,800.00	3,225.11	8,727.16	2,939.18	127.48	126.45	179.53	-1,053.57	-5,592.69	1,655.06	1,405.59	249.47	6.634		
8,900.00	3,220.41	8,827.15	2,935.34	129.79	128.74	179.54	-1,053.71	-5,692.61	1,654.91	1,400.87	254.04	6.514		
9,000.00	3,215.71	8,927.15	2,931.50	132.09	131.03	179.54	-1,053.85	-5,792.53	1,654.77	1,396.15	258.61	6.399		
9,100.00	3,211.00	9,027.14	2,927.67	134.40	133.32	179.54	-1,053.99	-5,892.45	1,654.62	1,391.43	263.19	6.287		
9,185.06	3,207.00	9,112.20	2,924.40	136.36	135.27	179.54	-1,054.11	-5,977.44	1,654.50	1,387.42	267.08	6.195 SF		

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 31H
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 31H	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 1H - 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		
1,800.00	1,800.00	3,800.00	3,169.68	5.26	21.17	-159.63	-1,943.68	-721.59	2,484.87	2,460.46	24.41	101.789		
1,900.00	1,899.98	3,800.00	3,169.68	5.56	21.17	-159.68	-1,943.68	-721.59	2,431.70	2,406.89	24.81	98.020		
2,000.00	1,999.84	3,800.00	3,169.68	6.15	21.17	-159.81	-1,943.68	-721.59	2,382.62	2,357.40	25.22	94.456		
2,100.00	2,099.59	3,800.00	3,169.68	6.46	21.17	-159.99	-1,943.68	-721.59	2,337.37	2,311.77	25.60	91.290		
2,200.00	2,199.35	3,800.00	3,169.68	6.64	21.17	-160.18	-1,943.68	-721.59	2,295.59	2,269.63	25.95	88.448		
2,300.00	2,299.11	3,800.00	3,169.68	6.84	21.17	-160.36	-1,943.68	-721.59	2,257.46	2,231.17	26.29	85.878		
2,400.00	2,398.86	3,800.00	3,169.68	7.05	21.17	-160.54	-1,943.68	-721.59	2,223.18	2,196.59	26.60	83.585		
2,500.00	2,498.62	3,800.00	3,169.68	7.27	21.17	-160.71	-1,943.68	-721.59	2,192.94	2,166.05	26.88	81.574		
2,600.00	2,598.38	3,800.00	3,169.68	7.50	21.17	-160.89	-1,943.68	-721.59	2,166.88	2,139.75	27.14	79.848		
2,700.00	2,698.10	3,800.00	3,169.68	7.72	21.17	-161.08	-1,943.68	-721.59	2,145.33	2,118.02	27.32	78.537		
2,800.00	2,796.52	3,800.00	3,169.68	8.46	21.17	-161.52	-1,943.68	-721.59	2,132.03	2,104.49	27.54	77.413		
2,884.15	2,876.82	3,822.56	3,168.77	9.16	21.59	-161.54	-1,936.58	-742.98	2,128.46	2,100.25	28.21	75.460 CC		
2,900.00	2,891.58	3,825.29	3,168.66	9.29	21.65	-161.61	-1,935.73	-745.57	2,128.59	2,100.29	28.30	75.227		
3,000.00	2,981.44	3,846.46	3,167.80	10.03	22.05	-162.14	-1,929.24	-765.71	2,135.00	2,106.02	28.98	73.663		
3,100.00	3,064.34	3,874.01	3,166.69	10.69	22.58	-162.78	-1,921.01	-791.98	2,150.67	2,120.82	29.85	72.050		
3,200.00	3,138.67	3,900.00	3,165.64	11.25	23.08	-163.72	-1,913.49	-816.83	2,174.72	2,143.94	30.78	70.656		
3,300.00	3,202.98	3,945.35	3,163.80	11.71	23.97	-164.36	-1,900.89	-860.36	2,205.91	2,173.62	32.29	68.318		
3,400.00	3,260.44	4,000.00	3,161.59	11.96	25.06	-164.87	-1,886.64	-913.07	2,242.07	2,207.94	34.13	65.685		
3,500.00	3,317.80	4,025.87	3,160.54	12.20	25.58	-166.09	-1,880.24	-938.11	2,280.65	2,245.23	35.42	64.390		
3,600.00	3,370.87	4,067.74	3,158.84	12.66	26.42	-166.98	-1,870.37	-978.77	2,318.79	2,281.53	37.25	62.245		
3,700.00	3,411.75	4,100.00	3,157.53	14.43	27.07	-168.33	-1,863.17	-1,010.19	2,350.76	2,311.60	39.17	60.017		
3,800.00	3,439.11	4,165.61	3,154.86	16.37	28.39	-169.01	-1,849.62	-1,074.32	2,375.06	2,332.97	42.09	56.425		
3,900.00	3,452.12	4,200.00	3,153.46	18.39	29.10	-170.55	-1,843.11	-1,108.06	2,391.18	2,346.81	44.37	53.896		
4,000.00	3,451.04	4,273.43	3,150.47	20.38	30.59	-171.18	-1,830.56	-1,180.35	2,398.41	2,350.69	47.72	50.262		
4,100.00	3,446.32	4,327.99	3,148.25	22.39	31.70	-172.27	-1,822.44	-1,234.25	2,402.36	2,351.73	50.62	47.455		
4,200.00	3,441.59	4,400.00	3,145.33	24.50	33.18	-172.94	-1,813.29	-1,305.62	2,404.85	2,350.73	54.12	44.438		
4,300.00	3,436.85	4,437.10	3,143.82	26.62	33.94	-174.45	-1,809.28	-1,342.47	2,405.53	2,348.89	56.65	42.465		
4,400.00	3,432.12	4,500.00	3,141.28	28.75	35.23	-175.34	-1,803.58	-1,405.06	2,404.79	2,344.88	59.91	40.143		
4,500.00	3,427.39	4,546.20	3,139.41	30.88	36.18	-176.63	-1,800.26	-1,451.11	2,402.41	2,339.73	62.68	38.331		
4,600.00	3,422.68	4,600.00	3,137.24	33.00	37.28	-177.73	-1,797.34	-1,504.78	2,398.49	2,332.84	65.65	36.536		
4,700.00	3,417.97	4,655.37	3,135.01	35.07	38.41	-178.81	-1,795.39	-1,560.07	2,394.78	2,326.20	68.59	34.917		
4,800.00	3,413.27	4,717.80	3,132.51	37.17	39.69	-179.71	-1,794.42	-1,622.44	2,392.94	2,321.20	71.74	33.356		
4,900.00	3,408.57	4,817.79	3,128.50	39.29	41.71	-179.71	-1,793.44	-1,722.35	2,391.75	2,315.70	76.05	31.449		
5,000.00	3,403.86	4,917.79	3,124.49	41.43	43.74	-179.71	-1,792.46	-1,822.26	2,390.56	2,310.18	80.38	29.740		
5,100.00	3,399.16	5,017.78	3,120.49	43.59	45.80	-179.71	-1,791.48	-1,922.16	2,389.37	2,304.63	84.74	28.196		
5,200.00	3,394.45	5,117.77	3,116.48	45.76	47.89	-179.71	-1,790.50	-2,022.07	2,388.18	2,299.05	89.13	26.795		
5,300.00	3,389.75	5,217.76	3,112.47	47.95	49.99	-179.71	-1,789.52	-2,121.97	2,386.99	2,293.46	93.54	25.519		
5,400.00	3,385.05	5,317.75	3,108.47	50.15	52.11	-179.71	-1,788.54	-2,221.88	2,385.80	2,287.84	97.97	24.353		
5,500.00	3,380.34	5,417.74	3,104.46	52.36	54.25	-179.71	-1,787.56	-2,321.79	2,384.62	2,282.20	102.41	23.284		
5,600.00	3,375.64	5,517.73	3,100.46	54.57	56.40	-179.70	-1,786.58	-2,421.69	2,383.43	2,276.55	106.87	22.301		
5,700.00	3,370.93	5,617.72	3,096.45	56.80	58.57	-179.70	-1,785.60	-2,521.60	2,382.24	2,270.89	111.35	21.394		
5,800.00	3,366.23	5,717.72	3,092.44	59.03	60.74	-179.70	-1,784.61	-2,621.50	2,381.05	2,265.21	115.83	20.556		
5,900.00	3,361.53	5,817.71	3,088.44	61.27	62.93	-179.70	-1,783.63	-2,721.41	2,379.86	2,259.53	120.33	19.778		
6,000.00	3,356.82	5,917.70	3,084.43	63.52	65.12	-179.70	-1,782.65	-2,821.32	2,378.67	2,253.83	124.84	19.054		
6,100.00	3,352.12	6,017.69	3,080.42	65.77	67.33	-179.70	-1,781.67	-2,921.22	2,377.48	2,248.13	129.35	18.380		
6,200.00	3,347.42	6,117.68	3,076.42	68.02	69.54	-179.70	-1,780.69	-3,021.13	2,376.29	2,242.42	133.87	17.750		
6,300.00	3,342.71	6,217.67	3,072.41	70.28	71.76	-179.70	-1,779.71	-3,121.04	2,375.11	2,236.70	138.40	17.161		
6,400.00	3,338.01	6,317.66	3,068.40	72.54	73.98	-179.70	-1,778.73	-3,220.94	2,373.92	2,230.98	142.94	16.608		
6,500.00	3,333.30	6,417.66	3,064.40	74.81	76.21	-179.70	-1,777.75	-3,320.85	2,372.73	2,225.25	147.48	16.089		
6,600.00	3,328.60	6,517.65	3,060.39	77.08	78.45	-179.70	-1,776.77	-3,420.75	2,371.54	2,219.52	152.03	15.600		
6,700.00	3,323.90	6,617.64	3,056.38	79.35	80.69	-179.70	-1,775.79	-3,520.66	2,370.35	2,213.78	156.58	15.139		
6,800.00	3,319.19	6,717.63	3,052.38	81.63	82.93	-179.70	-1,774.81	-3,620.57	2,369.17	2,208.04	161.13	14.703		

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

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COMPASS 5000.17 Build 03

BURNETT OIL CO., INC.

Stryker Directional

Anticollision Report



Company:	Burnett Oil Company	Local Co-ordinate Reference:	Well The Horned Frog 31H
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 31H	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		
6,900.00	3,314.49	6,817.62	3,048.37	83.91	85.18	-179.70	-1,773.83	-3,720.47	2,367.98	2,202.29	165.69	14.292		
7,000.00	3,309.78	6,917.61	3,044.36	86.19	87.44	-179.70	-1,772.85	-3,820.38	2,366.79	2,196.54	170.25	13.902		
7,100.00	3,305.08	7,017.60	3,040.36	88.47	89.69	-179.70	-1,771.87	-3,920.29	2,365.61	2,190.79	174.82	13.532		
7,200.00	3,300.38	7,117.59	3,036.35	90.75	91.95	-179.70	-1,770.89	-4,020.19	2,364.42	2,185.03	179.39	13.180		
7,300.00	3,295.67	7,217.59	3,032.35	93.04	94.22	-179.70	-1,769.91	-4,120.10	2,363.23	2,179.27	183.96	12.846		
7,400.00	3,290.97	7,317.58	3,028.34	95.33	96.48	-179.69	-1,768.93	-4,220.00	2,362.05	2,173.51	188.54	12.528		
7,500.00	3,286.26	7,417.57	3,024.33	97.62	98.75	-179.69	-1,767.95	-4,319.91	2,360.86	2,167.74	193.12	12.225		
7,600.00	3,281.56	7,517.56	3,020.33	99.91	101.02	-179.69	-1,766.97	-4,419.82	2,359.67	2,161.98	197.70	11.936		
7,700.00	3,276.86	7,617.55	3,016.32	102.20	103.30	-179.69	-1,765.99	-4,519.72	2,358.49	2,156.21	202.28	11.660		
7,800.00	3,272.15	7,717.54	3,012.31	104.49	105.57	-179.69	-1,765.01	-4,619.63	2,357.30	2,150.44	206.86	11.395		
7,900.00	3,267.45	7,817.53	3,008.31	106.79	107.85	-179.69	-1,764.02	-4,719.54	2,356.11	2,144.66	211.45	11.143		
8,000.00	3,262.74	7,917.53	3,004.30	109.08	110.13	-179.69	-1,763.04	-4,819.44	2,354.93	2,138.89	216.04	10.900		
8,100.00	3,258.04	8,017.52	3,000.29	111.38	112.41	-179.69	-1,762.06	-4,919.35	2,353.74	2,133.11	220.63	10.668		
8,200.00	3,253.34	8,117.51	2,996.29	113.68	114.69	-179.69	-1,761.08	-5,019.25	2,352.56	2,127.33	225.22	10.445		
8,300.00	3,248.63	8,217.50	2,992.28	115.98	116.98	-179.69	-1,760.10	-5,119.16	2,351.37	2,121.55	229.82	10.231		
8,400.00	3,243.93	8,317.49	2,988.27	118.28	119.26	-179.69	-1,759.12	-5,219.07	2,350.19	2,115.77	234.41	10.026		
8,500.00	3,239.22	8,417.48	2,984.27	120.58	121.55	-179.69	-1,758.14	-5,318.97	2,349.00	2,109.99	239.01	9.828		
8,600.00	3,234.52	8,517.47	2,980.26	122.88	123.84	-179.69	-1,757.16	-5,418.88	2,347.82	2,104.21	243.61	9.638		
8,700.00	3,229.82	8,617.47	2,976.25	125.18	126.13	-179.69	-1,756.18	-5,518.79	2,346.63	2,098.42	248.21	9.454		
8,800.00	3,225.11	8,717.46	2,972.25	127.48	128.42	-179.69	-1,755.20	-5,618.69	2,345.45	2,092.64	252.81	9.278		
8,900.00	3,220.41	8,817.45	2,968.24	129.79	130.72	-179.69	-1,754.22	-5,718.60	2,344.26	2,086.85	257.41	9.107		
9,000.00	3,215.71	8,917.44	2,964.23	132.09	133.01	-179.69	-1,753.24	-5,818.50	2,343.08	2,081.06	262.01	8.943		
9,100.00	3,211.00	9,017.43	2,960.23	134.40	135.31	-179.69	-1,752.26	-5,918.41	2,341.89	2,075.27	266.62	8.784		
9,185.06	3,207.00	9,102.48	2,956.82	136.36	137.26	-179.68	-1,751.42	-6,003.39	2,340.89	2,070.35	270.54	8.653 ES, SF		

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 31H
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 31H	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 31H - 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						
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	Warning
2,800.00	2,796.52	4,000.00	3,534.19	8.46	18.83	-162.97	-2,222.59	-751.63	2,485.90	2,460.54	25.35	98.044	
2,900.00	2,891.58	4,019.17	3,534.03	9.29	19.21	-163.19	-2,217.01	-769.97	2,470.97	2,444.81	26.15	94.474	
2,997.68	2,979.43	4,032.78	3,533.58	10.01	19.47	-163.80	-2,213.23	-783.03	2,466.10	2,439.21	26.90	91.686 CC	
3,000.00	2,981.44	4,032.78	3,533.58	10.03	19.47	-163.82	-2,213.23	-783.03	2,466.11	2,439.20	26.91	91.648 ES	
3,100.00	3,064.34	4,062.79	3,532.27	10.69	20.07	-164.32	-2,205.22	-811.93	2,471.18	2,443.13	28.05	88.090	
3,200.00	3,138.67	4,100.00	3,530.64	11.25	20.82	-164.87	-2,195.70	-847.86	2,485.74	2,456.30	29.44	84.422 SF	

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 31H
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 31H	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									
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	Warning
3,800.00	3,439.11	3,414.75	3,433.59	16.37	71.19	-119.33	-739.93	-2,769.59	2,460.17	2,373.39	86.78	28.351	
3,900.00	3,452.12	3,427.21	3,446.05	18.39	71.45	-121.10	-739.99	-2,769.59	2,395.33	2,306.67	88.66	27.017	
4,000.00	3,451.04	3,426.06	3,444.90	20.38	71.43	-122.83	-739.98	-2,769.59	2,325.51	2,235.29	90.22	25.777	
4,100.00	3,446.32	3,421.40	3,440.24	22.39	71.33	-124.59	-739.96	-2,769.59	2,254.38	2,162.64	91.74	24.574	
4,200.00	3,441.59	3,416.75	3,435.59	24.50	71.23	-126.39	-739.94	-2,769.59	2,182.97	2,089.60	93.38	23.378	
4,300.00	3,436.85	3,412.11	3,430.95	26.62	71.13	-128.25	-739.92	-2,769.59	2,111.36	2,016.27	95.08	22.205	
4,400.00	3,432.12	3,407.50	3,426.34	28.75	71.04	-130.17	-739.90	-2,769.59	2,039.61	1,942.75	96.85	21.058	
4,500.00	3,427.39	3,402.91	3,421.75	30.88	70.94	-132.15	-739.88	-2,769.59	1,967.79	1,869.10	98.69	19.940	
4,600.00	3,422.68	3,398.34	3,417.19	33.00	70.84	-134.21	-739.86	-2,769.59	1,896.00	1,795.42	100.58	18.851	
4,700.00	3,417.97	3,393.80	3,412.64	35.07	70.75	-136.39	-739.84	-2,769.59	1,825.62	1,723.10	102.52	17.807	
4,800.00	3,413.27	3,389.25	3,408.09	37.17	70.65	-138.75	-739.82	-2,769.59	1,758.10	1,653.50	104.60	16.808	
4,900.00	3,408.57	3,384.70	3,403.54	39.29	70.55	-141.29	-739.81	-2,769.59	1,693.78	1,586.97	106.81	15.857	
5,000.00	3,403.86	3,380.15	3,399.00	41.43	70.46	-144.02	-739.79	-2,769.59	1,633.05	1,523.90	109.15	14.962	
5,100.00	3,399.16	3,375.61	3,394.45	43.59	70.36	-146.96	-739.77	-2,769.59	1,576.31	1,464.72	111.59	14.126	
5,200.00	3,394.45	3,371.06	3,389.90	45.76	70.26	-150.10	-739.76	-2,769.59	1,524.01	1,409.90	114.11	13.355	
5,300.00	3,389.75	3,366.51	3,385.35	47.95	70.17	-153.46	-739.74	-2,769.59	1,476.62	1,359.94	116.69	12.655	
5,400.00	3,385.05	3,361.96	3,380.81	50.15	70.07	-157.03	-739.73	-2,769.59	1,434.64	1,315.37	119.27	12.028	
5,500.00	3,380.34	3,357.42	3,376.26	52.36	69.98	-160.80	-739.71	-2,769.59	1,398.54	1,276.72	121.82	11.480	
5,600.00	3,375.64	3,352.87	3,371.71	54.57	69.88	-164.75	-739.70	-2,769.59	1,368.80	1,244.52	124.27	11.014	
5,700.00	3,370.93	3,348.32	3,367.16	56.80	69.78	-168.85	-739.68	-2,769.59	1,345.83	1,219.26	126.57	10.633	
5,800.00	3,366.23	3,343.77	3,362.62	59.03	69.69	-173.08	-739.67	-2,769.59	1,329.98	1,201.34	128.65	10.338	
5,900.00	3,361.53	3,339.22	3,358.07	61.27	69.59	-177.38	-739.66	-2,769.59	1,321.52	1,191.07	130.45	10.131	
5,962.45	3,358.59	3,336.38	3,355.23	62.67	69.53	179.92	-739.65	-2,769.59	1,320.05	1,188.63	131.41	10.045 CC, ES	
6,000.00	3,356.82	3,334.68	3,353.52	63.52	69.49	178.29	-739.65	-2,769.59	1,320.58	1,188.65	131.93	10.010	
6,100.00	3,352.12	3,330.13	3,348.97	65.77	69.40	173.97	-739.64	-2,769.59	1,327.18	1,194.12	133.06	9.974 SF	
6,200.00	3,347.42	3,325.58	3,344.42	68.02	69.30	169.72	-739.63	-2,769.59	1,341.21	1,207.37	133.84	10.021	
6,300.00	3,342.71	3,321.03	3,339.88	70.28	69.20	165.59	-739.62	-2,769.59	1,362.43	1,228.17	134.26	10.148	
6,400.00	3,338.01	3,316.48	3,335.33	72.54	69.11	161.60	-739.61	-2,769.59	1,390.53	1,256.18	134.35	10.350	
6,500.00	3,333.30	3,311.94	3,330.78	74.81	69.01	157.78	-739.60	-2,769.59	1,425.08	1,290.94	134.15	10.623	
6,600.00	3,328.60	3,307.39	3,326.23	77.08	68.92	154.16	-739.59	-2,769.59	1,465.65	1,331.96	133.69	10.963	
6,700.00	3,323.90	3,302.84	3,321.68	79.35	68.82	150.75	-739.58	-2,769.59	1,511.73	1,378.70	133.03	11.364	
6,800.00	3,319.19	3,298.29	3,317.14	81.63	68.72	147.55	-739.57	-2,769.59	1,562.85	1,430.65	132.20	11.822	
6,900.00	3,314.49	3,293.74	3,312.59	83.91	68.63	144.56	-739.57	-2,769.59	1,618.53	1,487.28	131.25	12.331	
7,000.00	3,309.78	3,289.20	3,308.04	86.19	68.53	141.78	-739.56	-2,769.59	1,678.31	1,548.10	130.21	12.889	
7,100.00	3,305.08	3,284.65	3,303.49	88.47	68.43	139.19	-739.55	-2,769.59	1,741.77	1,612.66	129.12	13.490	
7,200.00	3,300.38	3,280.10	3,298.94	90.75	68.34	136.80	-739.55	-2,769.59	1,808.53	1,680.54	127.99	14.130	
7,300.00	3,295.67	3,275.55	3,294.40	93.04	68.24	134.57	-739.55	-2,769.59	1,878.23	1,751.38	126.85	14.807	
7,400.00	3,290.97	3,271.00	3,289.85	95.33	68.15	132.51	-739.54	-2,769.59	1,950.55	1,824.85	125.71	15.517	
7,500.00	3,286.26	3,266.46	3,285.30	97.62	68.05	130.60	-739.54	-2,769.59	2,025.22	1,900.64	124.58	16.256	
7,600.00	3,281.56	3,261.91	3,280.75	99.91	67.95	128.82	-739.53	-2,769.59	2,101.99	1,978.51	123.48	17.023	
7,700.00	3,276.86	3,257.36	3,276.20	102.20	67.86	127.17	-739.53	-2,769.59	2,180.63	2,058.23	122.40	17.815	
7,800.00	3,272.15	3,252.81	3,271.66	104.49	67.76	125.64	-739.53	-2,769.59	2,260.95	2,139.59	121.36	18.630	
7,900.00	3,267.45	3,248.26	3,267.11	106.79	67.66	124.21	-739.53	-2,769.59	2,342.78	2,222.43	120.35	19.466	
8,000.00	3,262.74	3,243.71	3,262.56	109.08	67.57	122.88	-739.53	-2,769.59	2,425.96	2,306.58	119.38	20.322	

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

STRYKER
DIRECTIONAL

Company:	Burnett Oil Company	Local Co-ordinate Reference:	Well The Horned Frog 31H
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 31H	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

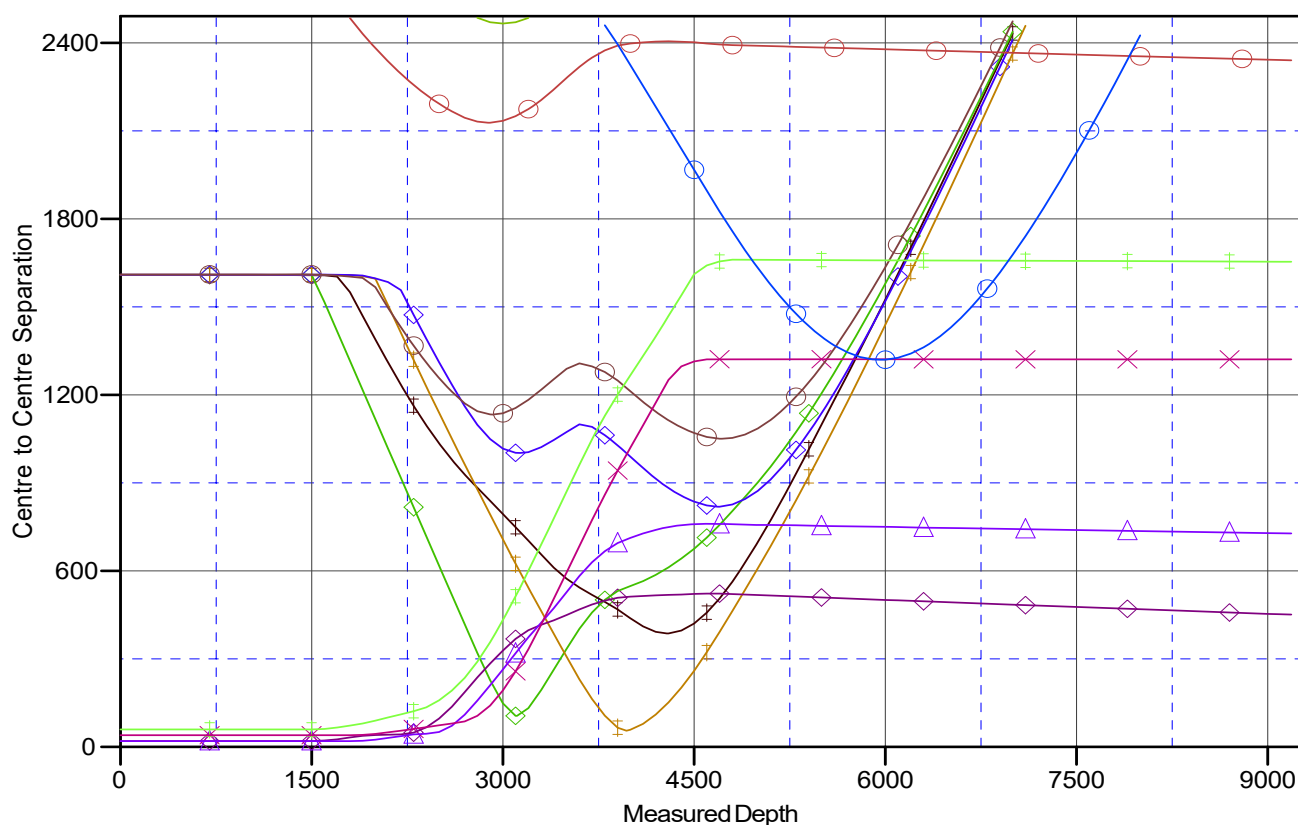
Central Meridian is -104.333334

Coordinates are relative to: The Horned Frog 31H

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

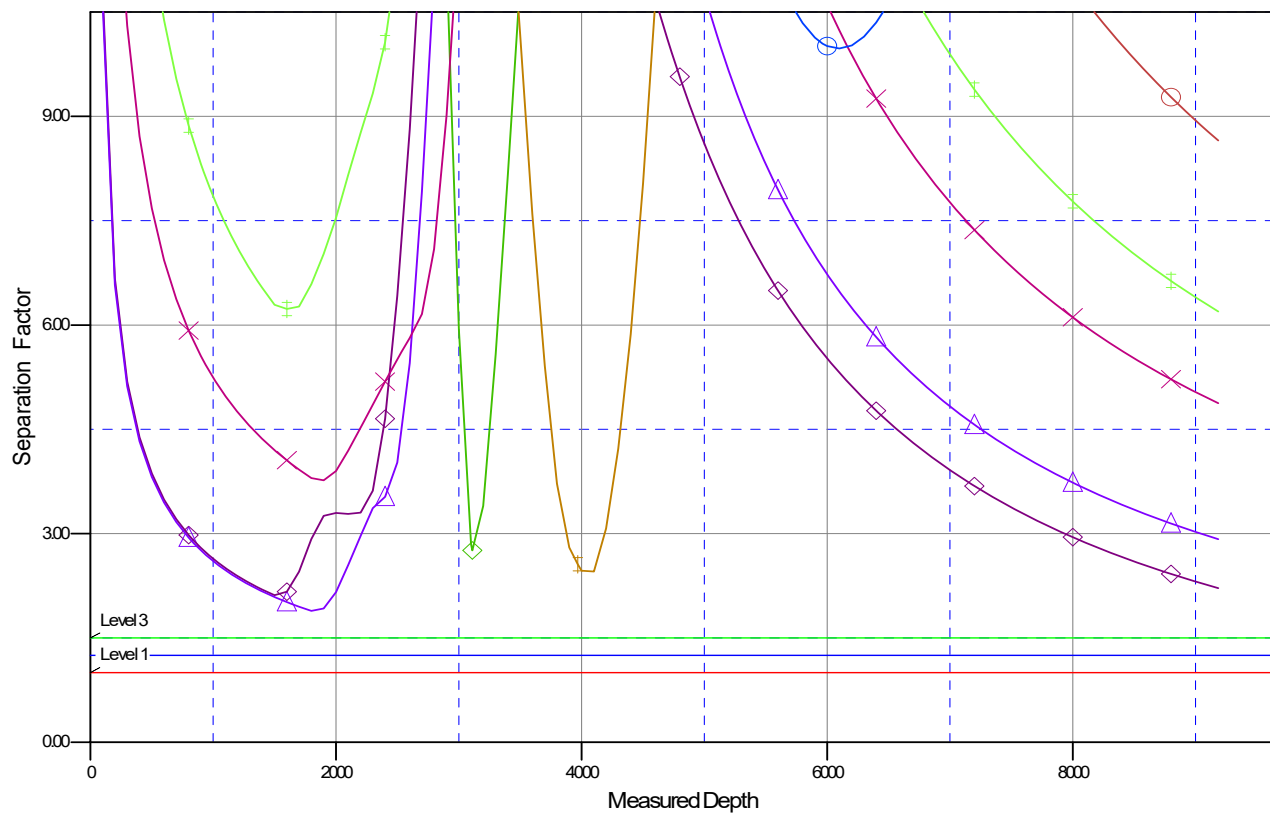
STRYKER
DIRECTIONAL

Company:	Burnett Oil Company	Local Co-ordinate Reference:	Well The Horned Frog 31H
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 31H	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 31H
Coordinate System is US State Plane 1983, New Mexico Eastern Zone
Grid Convergence at Surface is: 0.00°

Separation Factor Plot

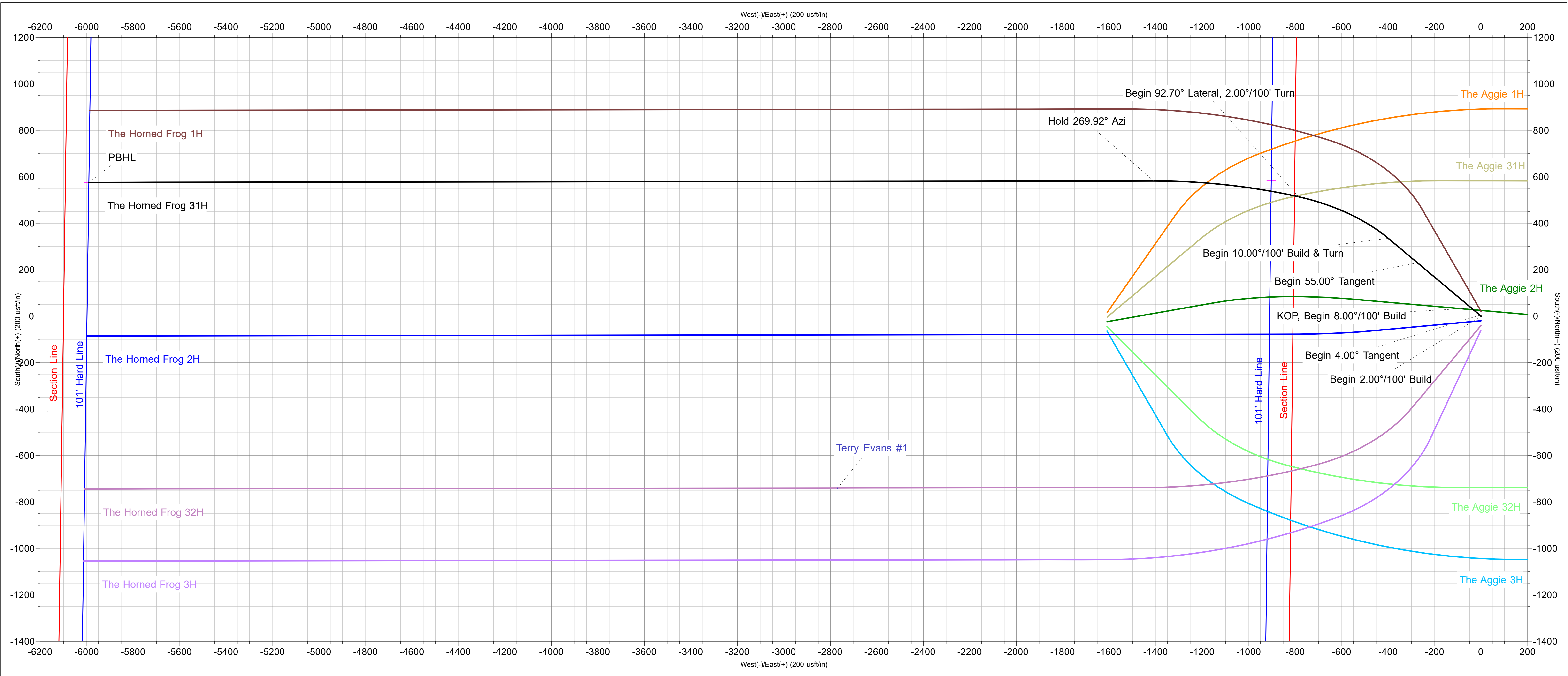


LEGEND

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

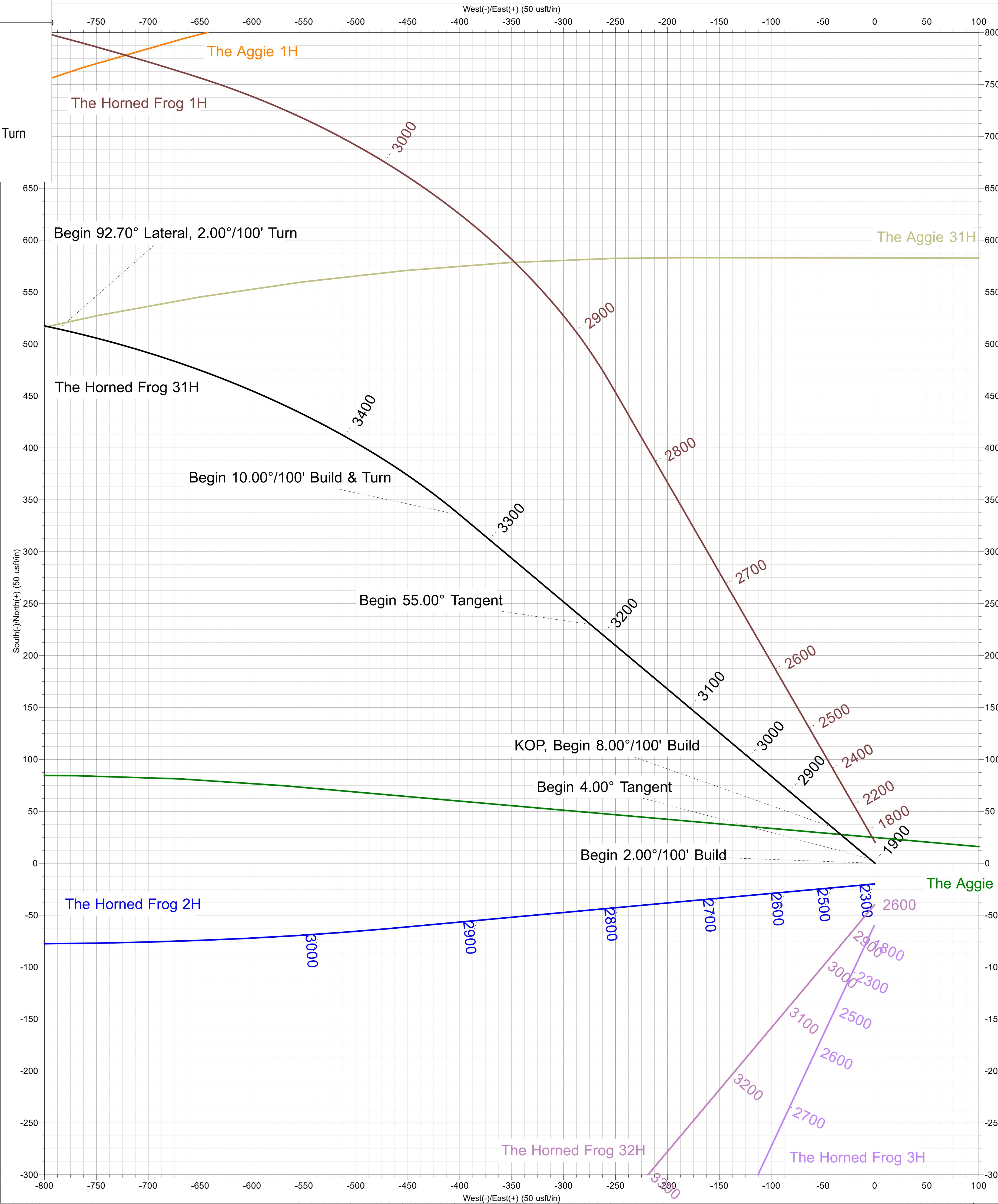
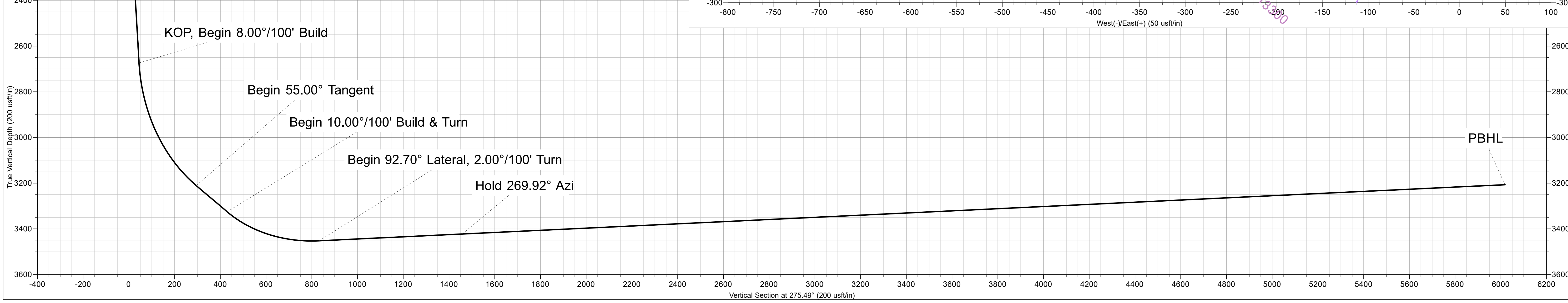
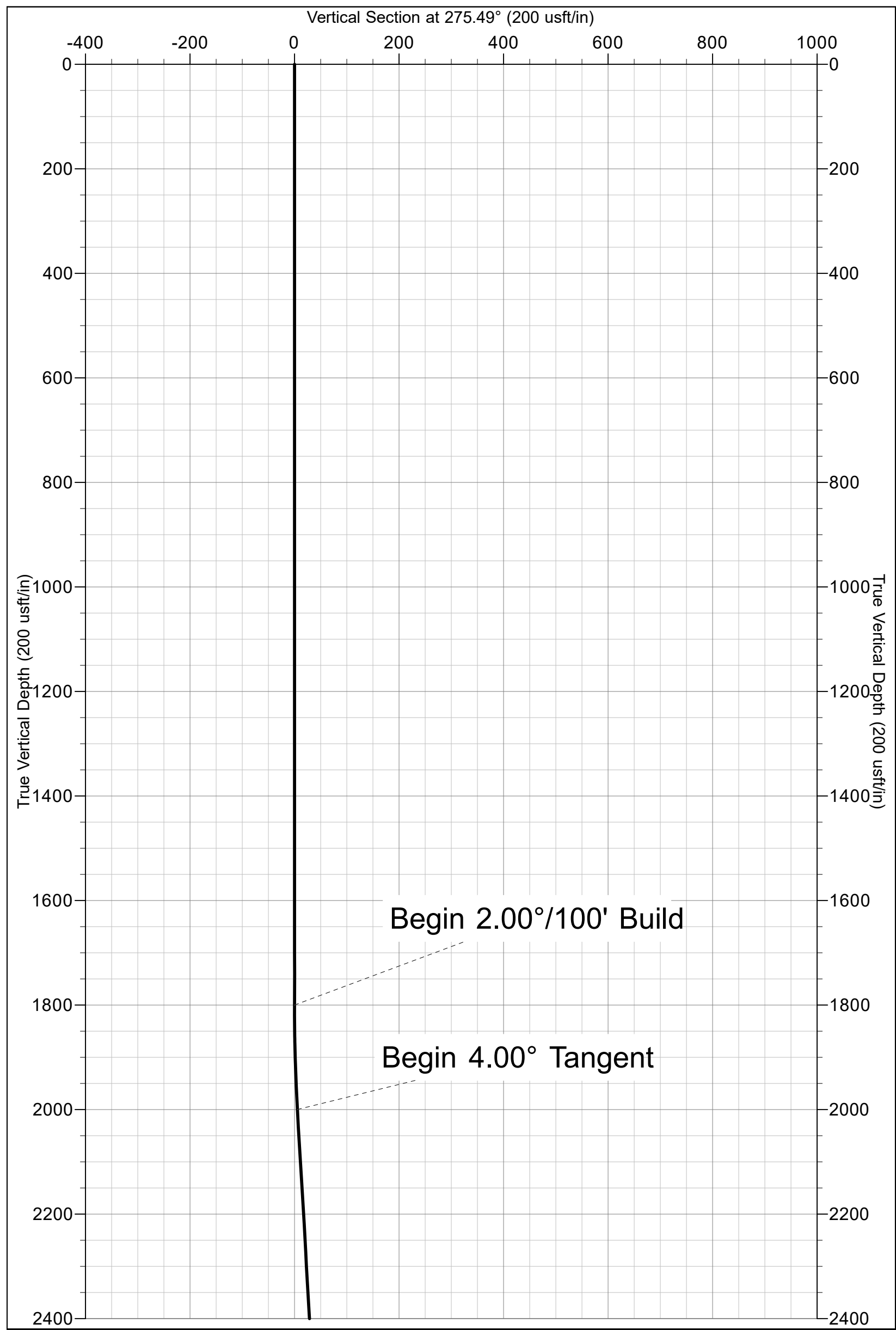
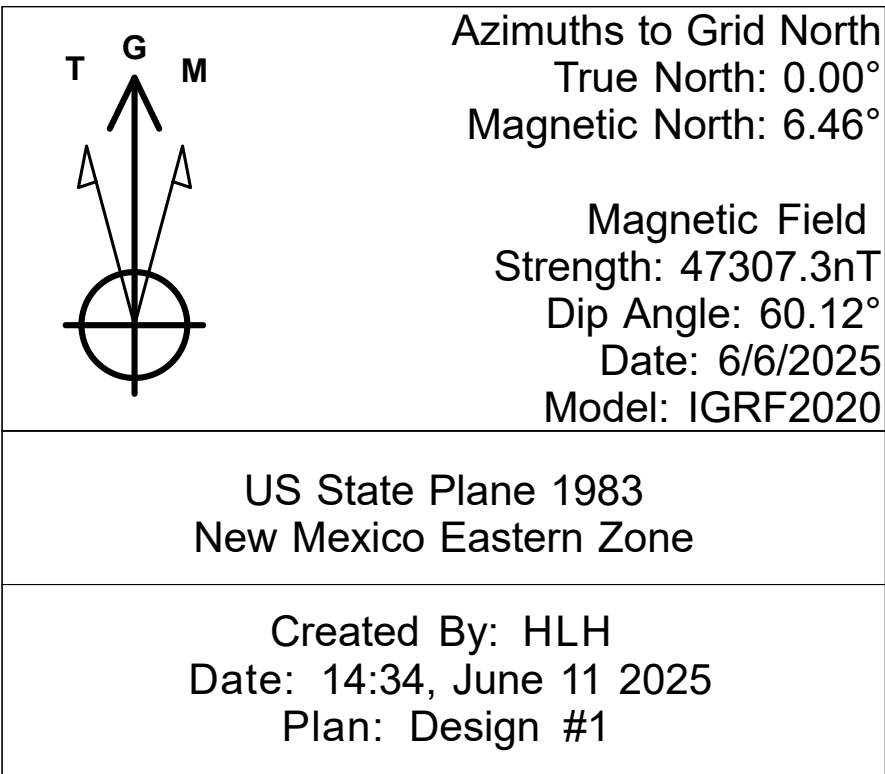
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

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



ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure	Annotation
1800.00	0.00	0.00	1800.00	0.00	0.00	0.00	0.00	Begin 2.00°/100' Build
2000.00	4.00	310.00	1999.84	4.49	-5.35	5.75	6.98	Begin 4.00° Tangent
2675.81	4.00	310.00	2674.00	34.79	-41.46	44.60	54.12	KOP, Begin 8.00°/100' Build
3313.31	55.00	310.00	3210.72	229.98	-274.07	294.83	357.78	Begin 55.00° Tangent
3513.31	55.00	310.00	3325.43	335.28	-399.58	429.83	521.61	Begin 10.00°/100' Build & Turn
3970.02	92.70	282.50	3452.45	514.49	-786.26	831.90	951.70	Begin 92.70° Lateral, 2.00°/100' Turn
4598.21	92.70	269.92	3422.76	582.24	-1408.82	1458.08	1579.19	Hold 269.92° Azi
9185.06	92.70	269.92	3207.00	576.02	-5990.58	6018.21	6160.96	PBHL



BURNETT OIL CO., INC.

Burnett Oil Company

Eddy County, New Mexico (NAD83)

Aggie/Horned Frog/Maverick

The Horned Frog 31H

Wellbore #1

Plan: Design #1

Standard Planning Report

11 June, 2025



BURNETT OIL CO., INC.

Stryker Directional

Planning Report



Database:	EDM 5000 Server	Local Co-ordinate Reference:	Well The Horned Frog 31H
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 31H	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
From:	Lat/Long	Easting:	544,179.05 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32.737190
		Longitude:	-104.324092
		Grid Convergence:	0.00 °

Well	The Horned Frog 31H		
Well Position	+N/-S	-20.14 usft	Northing: 631,901.37 usft
	+E/-W	-0.21 usft	Easting: 544,178.84 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	Latitude: 32.737135
			Longitude: -104.324093
			Ground Level: 3,289.70 usft

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2020	6/6/2025	6.47
			Dip Angle (°) 60.12
			Field Strength (nT) 47,307.32603539

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)
	0.00	0.00	0.00
			Direction (°) 275.49

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	
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,000.00	4.00	310.00	1,999.84	4.49	-5.35	2.00	2.00	0.00	310.00	
2,675.81	4.00	310.00	2,674.00	34.79	-41.46	0.00	0.00	0.00	0.00	
3,313.31	55.00	310.00	3,210.72	229.98	-274.07	8.00	8.00	0.00	0.00	
3,513.31	55.00	310.00	3,325.43	335.28	-399.58	0.00	0.00	0.00	0.00	
3,970.02	92.70	282.50	3,452.45	514.49	-786.26	10.00	8.25	-6.02	-40.15	
4,598.21	92.70	269.92	3,422.76	582.24	-1,408.82	2.00	0.00	-2.00	-89.72	
9,185.06	92.70	269.92	3,207.00	576.02	-5,990.58	0.00	0.00	0.00	0.00	BHL - The Horned F

BURNETT OIL CO., INC.

Stryker Directional Planning Report



Database:	EDM 5000 Server	Local Co-ordinate Reference:	Well The Horned Frog 31H
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 31H	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
Begin 2.00°/100' Build									
1,900.00	2.00	310.00	1,899.98	1.12	-1.34	1.44	2.00	2.00	0.00
2,000.00	4.00	310.00	1,999.84	4.49	-5.35	5.75	2.00	2.00	0.00
Begin 4.00° Tangent									
2,100.00	4.00	310.00	2,099.59	8.97	-10.69	11.50	0.00	0.00	0.00
2,200.00	4.00	310.00	2,199.35	13.45	-16.03	17.25	0.00	0.00	0.00
2,300.00	4.00	310.00	2,299.11	17.94	-21.38	23.00	0.00	0.00	0.00
2,400.00	4.00	310.00	2,398.86	22.42	-26.72	28.74	0.00	0.00	0.00
2,500.00	4.00	310.00	2,498.62	26.90	-32.06	34.49	0.00	0.00	0.00
2,600.00	4.00	310.00	2,598.38	31.39	-37.41	40.24	0.00	0.00	0.00
2,675.81	4.00	310.00	2,674.00	34.79	-41.46	44.60	0.00	0.00	0.00
KOP, Begin 8.00°/100' Build									
2,700.00	5.94	310.00	2,698.10	36.13	-43.06	46.32	8.00	8.00	0.00
2,750.00	9.94	310.00	2,747.61	40.57	-48.35	52.01	8.00	8.00	0.00
2,800.00	13.94	310.00	2,796.52	47.22	-56.27	60.53	8.00	8.00	0.00
2,850.00	17.94	310.00	2,844.59	56.04	-66.78	71.84	8.00	8.00	0.00
2,900.00	21.94	310.00	2,891.58	66.99	-79.84	85.89	8.00	8.00	0.00
2,950.00	25.94	310.00	2,937.27	80.03	-95.38	102.60	8.00	8.00	0.00
3,000.00	29.94	310.00	2,981.44	95.08	-113.32	121.90	8.00	8.00	0.00
3,050.00	33.94	310.00	3,023.86	112.08	-133.57	143.69	8.00	8.00	0.00
3,100.00	37.94	310.00	3,064.34	130.94	-156.05	167.86	8.00	8.00	0.00
3,150.00	41.94	310.00	3,102.67	151.57	-180.63	194.31	8.00	8.00	0.00
3,200.00	45.94	310.00	3,138.67	173.86	-207.20	222.89	8.00	8.00	0.00
3,250.00	49.94	310.00	3,172.16	197.72	-235.63	253.47	8.00	8.00	0.00
3,300.00	53.94	310.00	3,202.98	223.01	-265.78	285.90	8.00	8.00	0.00
3,313.31	55.00	310.00	3,210.72	229.98	-274.07	294.83	8.00	8.00	0.00
Begin 55.00° Tangent									
3,400.00	55.00	310.00	3,260.44	275.62	-328.47	353.35	0.00	0.00	0.00
3,500.00	55.00	310.00	3,317.80	328.28	-391.22	420.85	0.00	0.00	0.00
3,513.31	55.00	310.00	3,325.43	335.28	-399.58	429.83	0.00	0.00	0.00
Begin 10.00°/100' Build & Turn									
3,550.00	57.84	307.21	3,345.73	354.34	-423.47	455.44	10.00	7.73	-7.61
3,600.00	61.79	303.67	3,370.87	379.37	-458.68	492.88	10.00	7.91	-7.08
3,650.00	65.84	300.39	3,392.93	403.13	-496.72	533.02	10.00	8.08	-6.56
3,700.00	69.94	297.31	3,411.75	425.46	-537.28	575.54	10.00	8.21	-6.16

BURNETT OIL CO., INC.

Stryker Directional Planning Report



Database:	EDM 5000 Server	Local Co-ordinate Reference:	Well The Horned Frog 31H
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 31H	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)
3,750.00	74.10	294.39	3,427.18	446.17	-580.08	620.12	10.00	8.32	-5.84
3,800.00	78.30	291.58	3,439.11	465.12	-624.77	666.42	10.00	8.39	-5.60
3,850.00	82.52	288.87	3,447.45	482.15	-671.01	714.08	10.00	8.44	-5.44
3,900.00	86.76	286.20	3,452.12	497.14	-718.47	762.75	10.00	8.48	-5.33
3,950.00	91.00	283.56	3,453.10	509.97	-766.77	812.06	10.00	8.49	-5.29
3,970.02	92.70	282.50	3,452.45	514.49	-786.26	831.90	10.00	8.49	-5.29
Begin 92.70° Lateral, 2.00°/100' Turn									
4,000.00	92.70	281.90	3,451.04	520.81	-815.53	861.64	2.00	0.01	-2.00
4,100.00	92.71	279.90	3,446.32	539.70	-913.61	961.07	2.00	0.01	-2.00
4,200.00	92.71	277.90	3,441.59	555.15	-1,012.29	1,060.78	2.00	0.00	-2.00
4,300.00	92.71	275.89	3,436.85	567.13	-1,111.45	1,160.63	2.00	0.00	-2.00
4,400.00	92.71	273.89	3,432.12	575.65	-1,210.97	1,260.51	2.00	0.00	-2.00
4,500.00	92.71	271.89	3,427.39	580.69	-1,310.73	1,360.29	2.00	-0.01	-2.00
4,598.21	92.70	269.92	3,422.76	582.24	-1,408.82	1,458.08	2.00	-0.01	-2.00
Hold 269.92° Azi									
4,600.00	92.70	269.92	3,422.68	582.24	-1,410.60	1,459.85	0.00	0.00	0.00
4,700.00	92.70	269.92	3,417.97	582.10	-1,510.49	1,559.27	0.00	0.00	0.00
4,800.00	92.70	269.92	3,413.27	581.96	-1,610.38	1,658.69	0.00	0.00	0.00
4,900.00	92.70	269.92	3,408.57	581.83	-1,710.27	1,758.11	0.00	0.00	0.00
5,000.00	92.70	269.92	3,403.86	581.69	-1,810.16	1,857.52	0.00	0.00	0.00
5,100.00	92.70	269.92	3,399.16	581.56	-1,910.05	1,956.94	0.00	0.00	0.00
5,200.00	92.70	269.92	3,394.45	581.42	-2,009.94	2,056.36	0.00	0.00	0.00
5,300.00	92.70	269.92	3,389.75	581.29	-2,109.83	2,155.78	0.00	0.00	0.00
5,400.00	92.70	269.92	3,385.05	581.15	-2,209.72	2,255.19	0.00	0.00	0.00
5,500.00	92.70	269.92	3,380.34	581.02	-2,309.60	2,354.61	0.00	0.00	0.00
5,600.00	92.70	269.92	3,375.64	580.88	-2,409.49	2,454.03	0.00	0.00	0.00
5,700.00	92.70	269.92	3,370.93	580.74	-2,509.38	2,553.45	0.00	0.00	0.00
5,800.00	92.70	269.92	3,366.23	580.61	-2,609.27	2,652.86	0.00	0.00	0.00
5,900.00	92.70	269.92	3,361.53	580.47	-2,709.16	2,752.28	0.00	0.00	0.00
6,000.00	92.70	269.92	3,356.82	580.34	-2,809.05	2,851.70	0.00	0.00	0.00
6,100.00	92.70	269.92	3,352.12	580.20	-2,908.94	2,951.12	0.00	0.00	0.00
6,200.00	92.70	269.92	3,347.42	580.07	-3,008.83	3,050.54	0.00	0.00	0.00
6,300.00	92.70	269.92	3,342.71	579.93	-3,108.72	3,149.95	0.00	0.00	0.00
6,400.00	92.70	269.92	3,338.01	579.79	-3,208.61	3,249.37	0.00	0.00	0.00
6,500.00	92.70	269.92	3,333.30	579.66	-3,308.50	3,348.79	0.00	0.00	0.00
6,600.00	92.70	269.92	3,328.60	579.52	-3,408.39	3,448.21	0.00	0.00	0.00
6,700.00	92.70	269.92	3,323.90	579.39	-3,508.28	3,547.62	0.00	0.00	0.00
6,800.00	92.70	269.92	3,319.19	579.25	-3,608.16	3,647.04	0.00	0.00	0.00
6,900.00	92.70	269.92	3,314.49	579.12	-3,708.05	3,746.46	0.00	0.00	0.00
7,000.00	92.70	269.92	3,309.78	578.98	-3,807.94	3,845.88	0.00	0.00	0.00
7,100.00	92.70	269.92	3,305.08	578.85	-3,907.83	3,945.29	0.00	0.00	0.00
7,200.00	92.70	269.92	3,300.38	578.71	-4,007.72	4,044.71	0.00	0.00	0.00
7,300.00	92.70	269.92	3,295.67	578.57	-4,107.61	4,144.13	0.00	0.00	0.00
7,400.00	92.70	269.92	3,290.97	578.44	-4,207.50	4,243.55	0.00	0.00	0.00
7,500.00	92.70	269.92	3,286.26	578.30	-4,307.39	4,342.96	0.00	0.00	0.00
7,600.00	92.70	269.92	3,281.56	578.17	-4,407.28	4,442.38	0.00	0.00	0.00
7,700.00	92.70	269.92	3,276.86	578.03	-4,507.17	4,541.80	0.00	0.00	0.00
7,800.00	92.70	269.92	3,272.15	577.90	-4,607.06	4,641.22	0.00	0.00	0.00
7,900.00	92.70	269.92	3,267.45	577.76	-4,706.95	4,740.64	0.00	0.00	0.00
8,000.00	92.70	269.92	3,262.74	577.63	-4,806.83	4,840.05	0.00	0.00	0.00
8,100.00	92.70	269.92	3,258.04	577.49	-4,906.72	4,939.47	0.00	0.00	0.00
8,200.00	92.70	269.92	3,253.34	577.35	-5,006.61	5,038.89	0.00	0.00	0.00
8,300.00	92.70	269.92	3,248.63	577.22	-5,106.50	5,138.31	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 31H
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 31H	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)
8,400.00	92.70	269.92	3,243.93	577.08	-5,206.39	5,237.72	0.00	0.00	0.00
8,500.00	92.70	269.92	3,239.22	576.95	-5,306.28	5,337.14	0.00	0.00	0.00
8,600.00	92.70	269.92	3,234.52	576.81	-5,406.17	5,436.56	0.00	0.00	0.00
8,700.00	92.70	269.92	3,229.82	576.68	-5,506.06	5,535.98	0.00	0.00	0.00
8,800.00	92.70	269.92	3,225.11	576.54	-5,605.95	5,635.39	0.00	0.00	0.00
8,900.00	92.70	269.92	3,220.41	576.41	-5,705.84	5,734.81	0.00	0.00	0.00
9,000.00	92.70	269.92	3,215.71	576.27	-5,805.73	5,834.23	0.00	0.00	0.00
9,100.00	92.70	269.92	3,211.00	576.13	-5,905.62	5,933.65	0.00	0.00	0.00
9,185.06	92.70	269.92	3,207.00	576.02	-5,990.58	6,018.21	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
- hit/miss target									
- Shape									
BHL - The Horned Frc	0.00	360.00	3,207.00	576.02	-5,990.58	632,477.39	538,188.26	32.738718	-104.343576
- plan hits target center									
- Point									
FTP - The Horned Frc	0.00	0.00	3,446.00	583.08	-903.25	632,484.45	543,275.59	32.738738	-104.327030
- plan misses target center by 44.53usft at 4098.05usft MD (3446.41 TVD, 539.36 N, -911.69 E)									
- Point									

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Comment
1,800.00	1,800.00	0.00	0.00	Begin 2.00°/100' Build
2,000.00	1,999.84	4.49	-5.35	Begin 4.00° Tangent
2,675.81	2,674.00	34.79	-41.46	KOP, Begin 8.00°/100' Build
3,313.31	3,210.72	229.98	-274.07	Begin 55.00° Tangent
3,513.31	3,325.43	335.28	-399.58	Begin 10.00°/100' Build & Turn
3,970.02	3,452.45	514.49	-786.26	Begin 92.70° Lateral, 2.00°/100' Turn
4,598.21	3,422.76	582.24	-1,408.82	Hold 269.92° Azi
9,185.06	3,207.00	576.02	-5,990.58	PBHL



**The Horned Frog #31H
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 HORNE FROG #1H	30-015-54438	D-19-18S-27E	1226 FNL 809 FWL	550 BBL/D	550 MCF/D	2500 BBL/D
THE HORNE FROG #31H	30-015-55902	1-19-18S-27E	1246 FNL 809 FWL	550 BBL/D	550 MCF/D	2500 BBL/D
THE HORNE FROG #2H	30-015-54437	D-19-18S-27E	1266 FNL 809 FWL	550 BBL/D	550 MCF/D	2500 BBL/D
THE HORNE FROG #32H	30-015-55901	1-19-18S-27E	1286FNL 809FWL	550 BBL/D	550 MCF/D	2500 BBL/D
THE HORNE 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 HORNE FROG #1H	30-015-54438	2/15/2026	2/24/2026	4/08/2026	4/22/2026	4/22/2026
THE HORNE FROG #31H	30-015-55902	1/5/2026	1/15/2026	3/1/2026	3/11/2026	3/11/2026
THE HORNE FROG #2H	30-015-54437	2/25/2026	3/03/2026	5/12/2026	5/28/2026	5/28/2026
THE HORNE FROG #32H	30-015-55901	1/16/2026	1/26/2026	3/5/2026	3/15/2026	3/15/2026
THE HORNE 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 HORNED 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.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 535362

CONDITIONS

Operator: BURNETT OIL CO INC 801 Cherry Street Unit #9 Fort Worth, TX 76102	OGRID: 3080
	Action Number: 535362
	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