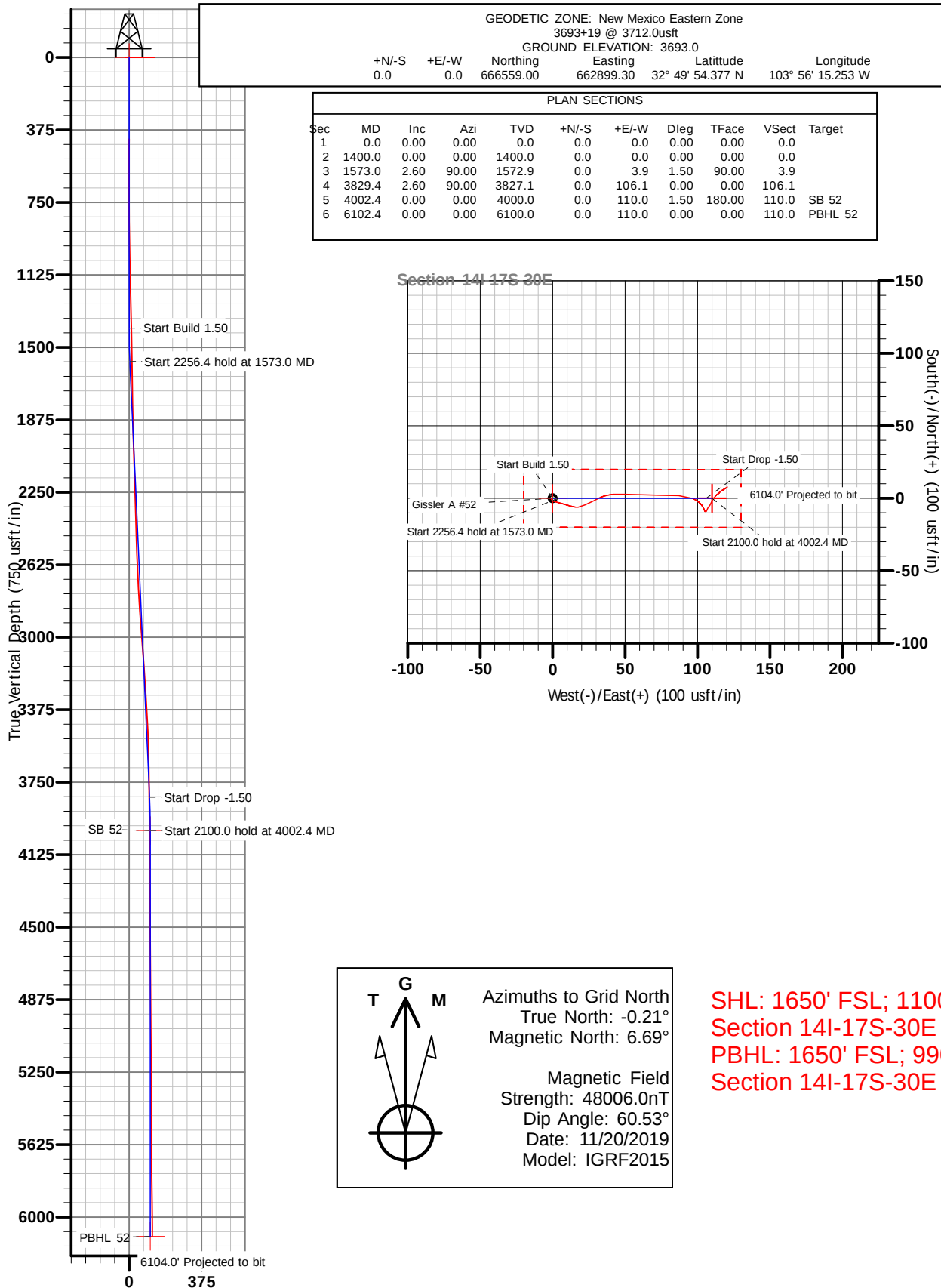




COMPANY: Burnett Oil Company
WELL: Gissler A #52
COUNTY: Eddy County, N.M. (NAD 83)
DATUM: North American Datum 1983
RIG: Ensign T436

STRYKER
DIRECTIONAL
OFFICE: 936.582.7296

GRID CORRECTION: To convert a Magnetic Direction to a Grid Direction, Add 6.69°
True Correction; To convert a Magnetic Direction to a True Direction, Add 6.91° East





Burnett Oil Company

Eddy County, N.M. (NAD 83)

Section 14I-17S-30E

Gissler A #52

Original Hole

Design: As Drilled

Standard Survey Report

28 February, 2020





Stryker Energy Directional Services

Survey Report



Company:	Burnett Oil Company	Local Co-ordinate Reference:	Site Section 14I-17S-30E
Project:	Eddy County, N.M. (NAD 83)	TVD Reference:	3693+19 @ 3712.0usft
Site:	Section 14I-17S-30E	MD Reference:	3693+19 @ 3712.0usft
Well:	Gissler A #52	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	EDM5000

Project	Eddy County, N.M. (NAD 83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Section 14I-17S-30E		
Site Position:		Northing:	666,559.00 usft
From:	Map	Easting:	662,899.30 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 49' 54.377 N
		Longitude:	103° 56' 15.253 W
		Grid Convergence:	0.21 °

Well	Gissler A #52		
Well Position	+N/-S	0.0 usft	Northing: 666,559.00 usft
	+E/-W	0.0 usft	Easting: 662,899.30 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	19.0 usft
		Latitude:	32° 49' 54.377 N
		Longitude:	103° 56' 15.253 W
		Ground Level:	3,693.0 usft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	11/20/19	6.91	60.53	48,005.98099051

Design	As Drilled				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	86.28	

Survey Program	Date	02/26/20			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
475.0	6,104.0	Stryker Surveys (Original Hole)	MWD	MWD - Standard	

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)	
422.0	0.70	0.00	422.0	0.0	0.0	0.0	0.00	0.00	0.00	
475.0	0.60	224.80	475.0	0.1	-0.2	-0.2	2.27	-0.19	-255.09	
661.0	0.20	148.90	661.0	-0.8	-0.7	-0.8	0.31	-0.22	-40.81	
848.0	0.70	119.20	848.0	-1.7	0.5	0.3	0.29	0.27	-15.88	
1,037.0	1.30	104.70	1,037.0	-2.8	3.5	3.3	0.34	0.32	-7.67	
1,226.0	1.60	106.70	1,225.9	-4.1	8.1	7.9	0.16	0.16	1.06	
1,414.0	1.10	104.40	1,413.8	-5.3	12.4	12.0	0.27	-0.27	-1.22	
1,602.0	0.90	100.60	1,601.8	-6.0	15.6	15.2	0.11	-0.11	-2.02	
1,790.0	0.40	72.70	1,789.8	-6.1	17.7	17.2	0.31	-0.27	-14.84	
1,979.0	2.50	70.30	1,978.7	-4.5	22.2	21.8	1.11	1.11	-1.27	



Stryker Energy Directional Services

Survey Report



Company:	Burnett Oil Company	Local Co-ordinate Reference:	Site Section 14I-17S-30E
Project:	Eddy County, N.M. (NAD 83)	TVD Reference:	3693+19 @ 3712.0usft
Site:	Section 14I-17S-30E	MD Reference:	3693+19 @ 3712.0usft
Well:	Gissler A #52	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	EDM5000

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)	
2,167.0	1.60	57.30	2,166.6	-1.7	28.3	28.1	0.54	-0.48	-6.91	
2,357.0	1.80	68.60	2,356.5	0.8	33.3	33.2	0.20	0.11	5.95	
2,545.0	2.20	80.10	2,544.4	2.5	39.6	39.6	0.30	0.21	6.12	
2,734.0	2.90	93.10	2,733.2	2.9	47.9	48.0	0.48	0.37	6.88	
2,922.0	4.30	90.80	2,920.9	2.5	59.7	59.8	0.75	0.74	-1.22	
3,111.0	4.20	92.20	3,109.3	2.2	73.7	73.7	0.08	-0.05	0.74	
3,299.0	3.90	89.90	3,296.9	1.9	87.0	86.9	0.18	-0.16	-1.22	
3,488.0	2.60	119.20	3,485.6	-0.2	97.2	96.9	1.09	-0.69	15.50	
3,677.0	1.50	140.30	3,674.4	-4.2	102.5	102.0	0.70	-0.58	11.16	
3,865.0	1.50	160.30	3,862.4	-8.4	104.9	104.1	0.28	0.00	10.64	
4,053.0	1.00	12.50	4,050.4	-9.1	106.1	105.3	1.28	-0.27	-78.62	
4,241.0	0.70	41.80	4,238.3	-6.6	107.2	106.5	0.28	-0.16	15.59	
4,430.0	0.70	30.90	4,427.3	-4.8	108.5	108.0	0.07	0.00	-5.77	
4,618.0	0.80	22.50	4,615.3	-2.6	109.6	109.2	0.08	0.05	-4.47	
4,807.0	0.70	36.90	4,804.3	-0.4	110.8	110.6	0.11	-0.05	7.62	
4,995.0	0.70	38.40	4,992.3	1.4	112.2	112.1	0.01	0.00	0.80	
5,184.0	0.40	58.10	5,181.3	2.6	113.5	113.4	0.19	-0.16	10.42	
5,472.0	0.50	41.40	5,469.3	4.1	115.2	115.2	0.06	0.03	-5.80	
5,560.0	0.40	50.80	5,557.3	4.6	115.7	115.7	0.14	-0.11	10.68	
5,748.0	0.50	57.40	5,745.3	5.4	116.9	117.0	0.06	0.05	3.51	
5,935.0	0.80	60.30	5,932.2	6.5	118.7	118.9	0.16	0.16	1.55	
6,049.0	0.80	53.80	6,046.2	7.4	120.0	120.3	0.08	0.00	-5.70	
6,104.0	0.80	53.80	6,101.2	7.8	120.7	120.9	0.00	0.00	0.00	
6104.0' Projected to bit										

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
6,104.0	6,101.2	7.8	120.7	6104.0' Projected to bit	

Checked By: _____ Approved By: _____ Date: _____



Burnett Oil Company

Eddy County, N.M. (NAD 83)

Section 14I-17S-30E

Gissler A #52

Original Hole

Design: As Drilled

Survey Report - Geographic

28 February, 2020





Stryker Energy Directional Services

Survey Report - Geographic



Company:	Burnett Oil Company	Local Co-ordinate Reference:	Site Section 14I-17S-30E
Project:	Eddy County, N.M. (NAD 83)	TVD Reference:	3693+19 @ 3712.0usft
Site:	Section 14I-17S-30E	MD Reference:	3693+19 @ 3712.0usft
Well:	Gissler A #52	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	EDM5000

Project	Eddy County, N.M. (NAD 83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Section 14I-17S-30E		
Site Position:		Northing:	666,559.00 usft
From:	Map	Easting:	662,899.30 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 49' 54.377 N
		Longitude:	103° 56' 15.253 W
		Grid Convergence:	0.21 °

Well	Gissler A #52		
Well Position	+N/-S	0.0 usft	Northing: 666,559.00 usft
	+E/-W	0.0 usft	Easting: 662,899.30 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	19.0 usft
		Latitude:	32° 49' 54.377 N
		Longitude:	103° 56' 15.253 W
		Ground Level:	3,693.0 usft

Wellbore	Original Hole		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2015	11/20/19	6.91
			Dip Angle (°) 60.53
			Field Strength (nT) 48,005.98099051

Design	As Drilled		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.0	0.0	0.0
			Direction (°) 86.28

Survey Program	Date 02/26/20		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name
475.0	6,104.0	Stryker Surveys (Original Hole)	MWD
			Description MWD - Standard

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
422.0	0.70	0.00	422.0	0.0	0.0	666,559.00	662,899.30	32° 49' 54.377 N	103° 56' 15.253 W
475.0	0.60	224.80	475.0	0.1	-0.2	666,559.13	662,899.11	32° 49' 54.378 N	103° 56' 15.255 W
661.0	0.20	148.90	661.0	-0.8	-0.7	666,558.16	662,898.59	32° 49' 54.369 N	103° 56' 15.261 W
848.0	0.70	119.20	848.0	-1.7	0.5	666,557.33	662,899.76	32° 49' 54.361 N	103° 56' 15.248 W
1,037.0	1.30	104.70	1,037.0	-2.8	3.5	666,556.22	662,902.84	32° 49' 54.349 N	103° 56' 15.212 W
1,226.0	1.60	106.70	1,225.9	-4.1	8.1	666,554.92	662,907.44	32° 49' 54.336 N	103° 56' 15.158 W
1,414.0	1.10	104.40	1,413.8	-5.3	12.4	666,553.71	662,911.70	32° 49' 54.324 N	103° 56' 15.108 W
1,602.0	0.90	100.60	1,601.8	-6.0	15.6	666,552.99	662,914.90	32° 49' 54.317 N	103° 56' 15.071 W
1,790.0	0.40	72.70	1,789.8	-6.1	17.7	666,552.92	662,916.98	32° 49' 54.316 N	103° 56' 15.046 W
1,979.0	2.50	70.30	1,978.7	-4.5	22.2	666,554.50	662,921.49	32° 49' 54.332 N	103° 56' 14.993 W
2,167.0	1.60	57.30	2,166.6	-1.7	28.3	666,557.30	662,927.56	32° 49' 54.359 N	103° 56' 14.922 W
2,357.0	1.80	68.60	2,356.5	0.8	33.3	666,559.82	662,932.57	32° 49' 54.384 N	103° 56' 14.863 W



Stryker Energy Directional Services

Survey Report - Geographic



Company:	Burnett Oil Company	Local Co-ordinate Reference:	Site Section 14I-17S-30E
Project:	Eddy County, N.M. (NAD 83)	TVD Reference:	3693+19 @ 3712.0usft
Site:	Section 14I-17S-30E	MD Reference:	3693+19 @ 3712.0usft
Well:	Gissler A #52	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	EDM5000

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
2,545.0	2.20	80.10	2,544.4	2.5	39.6	666,561.52	662,938.87	32° 49' 54.401 N	103° 56' 14.789 W
2,734.0	2.90	93.10	2,733.2	2.9	47.9	666,561.89	662,947.22	32° 49' 54.404 N	103° 56' 14.691 W
2,922.0	4.30	90.80	2,920.9	2.5	59.7	666,561.53	662,959.02	32° 49' 54.400 N	103° 56' 14.553 W
3,111.0	4.20	92.20	3,109.3	2.2	73.7	666,561.17	662,973.02	32° 49' 54.396 N	103° 56' 14.389 W
3,299.0	3.90	89.90	3,296.9	1.9	87.0	666,560.91	662,986.29	32° 49' 54.393 N	103° 56' 14.234 W
3,488.0	2.60	119.20	3,485.6	-0.2	97.2	666,558.83	662,996.46	32° 49' 54.372 N	103° 56' 14.114 W
3,677.0	1.50	140.30	3,674.4	-4.2	102.5	666,554.84	663,001.78	32° 49' 54.332 N	103° 56' 14.052 W
3,865.0	1.50	160.30	3,862.4	-8.4	104.9	666,550.63	663,004.18	32° 49' 54.290 N	103° 56' 14.024 W
4,053.0	1.00	12.50	4,050.4	-9.1	106.1	666,549.91	663,005.37	32° 49' 54.283 N	103° 56' 14.010 W
4,241.0	0.70	41.80	4,238.3	-6.6	107.2	666,552.37	663,006.49	32° 49' 54.308 N	103° 56' 13.997 W
4,430.0	0.70	30.90	4,427.3	-4.8	108.5	666,554.22	663,007.85	32° 49' 54.326 N	103° 56' 13.981 W
4,618.0	0.80	22.50	4,615.3	-2.6	109.6	666,556.42	663,008.94	32° 49' 54.348 N	103° 56' 13.968 W
4,807.0	0.70	36.90	4,804.3	-0.4	110.8	666,558.56	663,010.14	32° 49' 54.369 N	103° 56' 13.954 W
4,995.0	0.70	38.40	4,992.3	1.4	112.2	666,560.38	663,011.55	32° 49' 54.387 N	103° 56' 13.938 W
5,184.0	0.40	58.10	5,181.3	2.6	113.5	666,561.63	663,012.82	32° 49' 54.399 N	103° 56' 13.923 W
5,472.0	0.50	41.40	5,469.3	4.1	115.2	666,563.11	663,014.51	32° 49' 54.414 N	103° 56' 13.903 W
5,560.0	0.40	50.80	5,557.3	4.6	115.7	666,563.59	663,015.00	32° 49' 54.418 N	103° 56' 13.897 W
5,748.0	0.50	57.40	5,745.3	5.4	116.9	666,564.45	663,016.20	32° 49' 54.427 N	103° 56' 13.883 W
5,935.0	0.80	60.30	5,932.2	6.5	118.7	666,565.53	663,018.02	32° 49' 54.437 N	103° 56' 13.861 W
6,049.0	0.80	53.80	6,046.2	7.4	120.0	666,566.40	663,019.35	32° 49' 54.446 N	103° 56' 13.846 W
6,104.0	0.80	53.80	6,101.2	7.8	120.7	666,566.85	663,019.97	32° 49' 54.450 N	103° 56' 13.838 W
6104.0' Projected to bit									

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
6,104.0	6,101.2	7.8	120.7	6104.0' Projected to bit

Checked By: _____ Approved By: _____ Date: _____

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 15794

CONDITIONS OF APPROVAL

Operator:	OGRID:	Action Number:	Action Type:
BURNETT OIL CO INC Suite 1500 Fort Worth, TX76102	3080	15794	C-103Z

OCD Reviewer	Condition
ksimmons	None