



30-015-42831

Mewbourne Oil Company .

Eddy County, New Mexico

Section 19/30-23S-27E Jester 19/30 W2DE Fed Com #1

Jester 19/30 W2DE Fed Com #1H

Original Hole

NM OIL CONSERVATION
ARTESIA DISTRICT

JUL 09 2015

Design: Original Hole

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Standard Survey Report

27 May, 2015

Provide signature page for survey
6-9-15





Stryker Directional Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Jester 19/30 W2DE Fed Com #1H
Project:	Eddy County, New Mexico	TVD Reference:	3218 +25 @ 3243.0usft (Patterson 243)
Site:	Section 19/30-23S-27E Jester 19/30 W2DE Fed Com #1	MD Reference:	3218 +25 @ 3243.0usft (Patterson 243)
Well:	Jester 19/30 W2DE Fed Com #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

Project	Eddy County, New Mexico		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Section 19/30-23S-27E Jester 19/30 W2DE Fed Com #1			
Site Position:		Northing:	471,707.20 usft	Latitude: 32° 17' 48.485 N
From:	Map	Easting:	530,330.80 usft	Longitude: 104° 14' 6.622 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.05 °

Well	Jester 19/30 W2DE Fed Com #1H			
Well Position	+N/-S	0.0 usft	Northing:	471,707.20 usft
	+E/-W	0.0 usft	Easting:	530,330.80 usft
Position Uncertainty	0.0 usft		Wellhead Elevation:	3,243.0 usft
			Ground Level:	3,218.0 usft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	4/27/2015	7.49	60.05	48,130

Design	Original Hole			
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	180.10

Survey Program	Date 5/27/2015			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.0	8,725.0	MS Gyro Survey (Original Hole)	SRG-GYRO-MS	surface readout gyro multishot
8,817.0	16,565.0	Stryker MWD Survey (Original Hole)	MWD	MWD v3:standard declination

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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.57	319.19	100.0	0.4	-0.3	-0.4	0.57	0.57	0.00
200.0	0.79	352.55	200.0	1.4	-0.7	-1.4	0.44	0.22	33.36
300.0	1.33	21.60	300.0	3.2	-0.4	-3.2	0.75	0.54	29.05
400.0	1.50	46.10	399.9	5.2	1.0	-5.2	0.62	0.17	24.50
500.0	1.49	51.34	499.9	6.9	2.9	-6.9	0.14	-0.01	5.24
600.0	1.30	60.86	599.9	8.3	4.9	-8.3	0.30	-0.19	9.52
700.0	1.09	99.11	699.9	8.7	6.9	-8.7	0.81	-0.21	38.25
800.0	1.21	111.39	799.8	8.1	8.8	-8.2	0.27	0.12	12.28



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Site:	Section 19/30-23S-27E Jester 19/30 W2DE Fed Com #1	MD Reference:	3218 +25 @ 3243.0usft (Patterson 243)
Well:	Jester 19/30 W2DE Fed Com #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

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)
900.0	2.45	121.64	899.8	6.6	11.6	-6.7	1.28	1.24	10.25
1,000.0	4.74	118.34	999.6	3.5	17.0	-3.6	2.30	2.29	-3.30
1,100.0	5.40	119.47	1,099.2	-0.7	24.8	0.7	0.67	0.66	1.13
1,200.0	4.95	120.06	1,198.8	-5.2	32.6	5.1	0.45	-0.45	0.59
1,300.0	5.32	109.88	1,298.4	-8.9	40.7	8.9	0.98	0.37	-10.18
1,400.0	6.07	103.58	1,397.9	-11.8	50.2	11.7	0.98	0.75	-6.30
1,500.0	6.07	104.69	1,497.3	-14.3	60.5	14.2	0.12	0.00	1.11
1,600.0	5.85	105.98	1,596.8	-17.1	70.5	17.0	0.26	-0.22	1.29
1,700.0	4.76	109.80	1,696.4	-19.9	79.3	19.8	1.15	-1.09	3.82
1,800.0	3.54	106.82	1,796.1	-22.2	86.1	22.0	1.24	-1.22	-2.98
1,900.0	2.20	117.36	1,896.0	-24.0	90.8	23.8	1.43	-1.34	10.54
2,000.0	1.28	119.33	1,995.9	-25.4	93.5	25.2	0.92	-0.92	1.97
2,100.0	1.22	118.50	2,095.9	-26.5	95.4	26.3	0.06	-0.06	-0.83
2,200.0	1.14	118.27	2,195.9	-27.4	97.2	27.3	0.08	-0.08	-0.23
2,300.0	1.13	117.83	2,295.9	-28.4	98.9	28.2	0.01	-0.01	-0.44
2,400.0	0.87	130.56	2,395.8	-29.3	100.4	29.1	0.34	-0.26	12.73
2,500.0	0.86	116.96	2,495.8	-30.2	101.6	30.0	0.21	-0.01	-13.60
2,600.0	0.77	139.20	2,595.8	-31.0	102.7	30.8	0.33	-0.09	22.24
2,700.0	0.69	154.75	2,695.8	-32.1	103.4	31.9	0.21	-0.08	15.55
2,800.0	0.58	163.36	2,795.8	-33.1	103.8	32.9	0.15	-0.11	8.61
2,900.0	0.57	179.43	2,895.8	-34.1	104.0	33.9	0.16	-0.01	16.07
3,000.0	0.50	190.26	2,995.8	-35.0	103.9	34.8	0.12	-0.07	10.83
3,100.0	0.41	224.90	3,095.8	-35.7	103.6	35.5	0.28	-0.09	34.64
3,200.0	0.56	244.59	3,195.8	-36.1	102.9	36.0	0.22	0.15	19.69
3,300.0	0.58	244.02	3,295.8	-36.6	102.0	36.4	0.02	0.02	-0.57
3,400.0	0.60	248.67	3,395.8	-37.0	101.1	36.8	0.05	0.02	4.65
3,500.0	0.59	242.05	3,495.8	-37.4	100.1	37.2	0.07	-0.01	-6.62
3,600.0	0.56	241.58	3,595.8	-37.9	99.2	37.7	0.03	-0.03	-0.47
3,700.0	0.49	242.01	3,695.8	-38.3	98.4	38.2	0.07	-0.07	0.43
3,800.0	0.25	209.67	3,795.8	-38.7	97.9	38.5	0.31	-0.24	-32.34
3,900.0	0.13	186.42	3,895.8	-39.0	97.8	38.8	0.14	-0.12	-23.25
4,000.0	0.07	350.81	3,995.8	-39.1	97.8	38.9	0.20	-0.06	164.39
4,100.0	0.27	334.00	4,095.8	-38.8	97.7	38.6	0.20	0.20	-16.81
4,200.0	0.24	312.78	4,195.8	-38.4	97.4	38.3	0.10	-0.03	-21.22
4,300.0	0.16	295.14	4,295.8	-38.2	97.1	38.1	0.10	-0.08	-17.64
4,400.0	0.19	289.63	4,395.8	-38.1	96.9	38.0	0.03	0.03	-5.51
4,500.0	0.44	278.10	4,495.8	-38.0	96.3	37.8	0.26	0.25	-11.53
4,600.0	0.47	274.09	4,595.8	-37.9	95.5	37.8	0.04	0.03	-4.01
4,700.0	0.48	276.06	4,695.8	-37.9	94.7	37.7	0.02	0.01	1.97
4,800.0	0.45	279.67	4,795.8	-37.7	93.9	37.6	0.04	-0.03	3.61
4,900.0	0.53	276.36	4,895.7	-37.6	93.1	37.5	0.08	0.08	-3.31
5,000.0	0.40	294.09	4,995.7	-37.4	92.3	37.3	0.19	-0.13	17.73



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Well:	Jester 19/30 W2DE Fed Com #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

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)
5,100.0	0.26	290.94	5,095.7	-37.2	91.7	37.1	0.14	-0.14	-3.15
5,200.0	0.28	204.07	5,195.7	-37.4	91.4	37.2	0.37	0.02	-86.87
5,300.0	0.43	188.39	5,295.7	-37.9	91.3	37.8	0.18	0.15	-15.68
5,400.0	0.43	184.96	5,395.7	-38.7	91.2	38.5	0.03	0.00	-3.43
5,500.0	0.60	232.77	5,495.7	-39.4	90.7	39.2	0.45	0.17	47.81
5,600.0	1.16	199.60	5,595.7	-40.7	90.0	40.5	0.74	0.56	-33.17
5,700.0	2.10	179.94	5,695.7	-43.4	89.7	43.3	1.08	0.94	-19.66
5,800.0	2.01	170.11	5,795.6	-47.0	90.0	46.8	0.36	-0.09	-9.83
5,900.0	1.97	187.47	5,895.6	-50.4	90.0	50.3	0.60	-0.04	17.36
6,000.0	1.31	190.04	5,995.5	-53.3	89.6	53.1	0.66	-0.66	2.57
6,100.0	1.09	216.54	6,095.5	-55.2	88.8	55.0	0.59	-0.22	26.50
6,200.0	1.47	221.21	6,195.5	-56.9	87.4	56.7	0.39	0.38	4.67
6,300.0	1.34	201.20	6,295.4	-58.9	86.2	58.8	0.50	-0.13	-20.01
6,400.0	1.22	155.70	6,395.4	-61.0	86.2	60.8	1.00	-0.12	-45.50
6,500.0	1.45	187.86	6,495.4	-63.2	86.4	63.1	0.77	0.23	32.16
6,600.0	1.64	215.62	6,595.4	-65.6	85.4	65.5	0.76	0.19	27.76
6,700.0	0.89	228.74	6,695.3	-67.3	84.0	67.2	0.80	-0.75	13.12
6,800.0	0.42	314.45	6,795.3	-67.6	83.2	67.4	0.96	-0.47	85.71
6,900.0	0.46	320.73	6,895.3	-67.0	82.7	66.9	0.06	0.04	6.28
7,000.0	0.41	322.88	6,995.3	-66.4	82.2	66.3	0.05	-0.05	2.15
7,100.0	0.60	58.84	7,095.3	-65.8	82.4	65.7	0.76	0.19	95.96
7,200.0	0.20	47.27	7,195.3	-65.5	83.0	65.3	0.41	-0.40	-11.57
7,300.0	0.43	218.55	7,295.3	-65.6	82.9	65.5	0.63	0.23	171.28
7,400.0	0.61	232.91	7,395.3	-66.2	82.2	66.1	0.22	0.18	14.36
7,500.0	0.68	238.63	7,495.3	-66.9	81.3	66.7	0.10	0.07	5.72
7,600.0	0.34	266.18	7,595.3	-67.2	80.5	67.1	0.41	-0.34	27.55
7,700.0	0.89	94.33	7,695.3	-67.3	81.0	67.1	1.23	0.55	-171.85
7,800.0	1.47	80.06	7,795.3	-67.1	83.0	67.0	0.65	0.58	-14.27
7,900.0	2.99	70.81	7,895.2	-66.0	86.7	65.9	1.56	1.52	-9.25
8,000.0	3.03	68.00	7,995.1	-64.2	91.7	64.0	0.15	0.04	-2.81
8,100.0	2.44	80.30	8,094.9	-62.8	96.2	62.7	0.83	-0.59	12.30
8,200.0	1.35	77.75	8,194.9	-62.2	99.5	62.1	1.09	-1.09	-2.55
8,300.0	0.65	83.81	8,294.9	-61.9	101.2	61.8	0.71	-0.70	6.06
8,400.0	1.07	28.00	8,394.9	-61.0	102.2	60.9	0.89	0.42	-55.81
8,500.0	0.67	41.49	8,494.9	-59.8	103.0	59.6	0.45	-0.40	13.49
8,600.0	0.53	27.04	8,594.8	-58.9	103.6	58.7	0.21	-0.14	-14.45
8,700.0	0.28	29.89	8,694.8	-58.3	103.9	58.1	0.25	-0.25	2.85
8,725.0	0.28	38.72	8,719.8	-58.2	104.0	58.0	0.17	0.00	35.32
8,817.0	1.00	277.50	8,811.8	-57.9	103.3	57.7	1.27	0.78	-131.76
8,849.0	4.20	201.60	8,843.8	-59.0	102.6	58.8	12.73	10.00	-237.19
8,880.0	7.90	191.40	8,874.6	-62.1	101.8	61.9	12.38	11.94	-32.90
8,912.0	11.50	186.50	8,906.2	-67.5	101.0	67.3	11.53	11.25	-15.31
8,943.0	13.00	182.10	8,936.5	-74.0	100.5	73.8	5.70	4.84	-14.19



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Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

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)
8,974.0	15.70	182.00	8,966.5	-81.7	100.2	81.5	8.71	8.71	-0.32
9,006.0	17.70	177.90	8,997.1	-90.9	100.3	90.7	7.25	6.25	-12.81
9,038.0	20.70	175.10	9,027.4	-101.4	100.9	101.2	9.80	9.38	-8.75
9,070.0	23.60	176.80	9,057.0	-113.4	101.8	113.2	9.28	9.06	5.31
9,101.0	26.40	179.30	9,085.1	-126.5	102.2	126.3	9.65	9.03	8.06
9,133.0	28.70	180.10	9,113.5	-141.3	102.3	141.1	7.28	7.19	2.50
9,164.0	29.80	181.30	9,140.5	-156.4	102.1	156.3	4.02	3.55	3.87
9,195.0	32.80	182.20	9,167.0	-172.5	101.6	172.4	9.79	9.68	2.90
9,227.0	34.50	180.80	9,193.6	-190.3	101.1	190.1	5.84	5.31	-4.38
9,258.0	34.80	175.80	9,219.1	-207.9	101.7	207.7	9.22	0.97	-16.13
9,290.0	37.40	175.80	9,245.0	-226.7	103.0	226.5	8.13	8.13	0.00
9,321.0	40.60	177.40	9,269.1	-246.1	104.2	246.0	10.82	10.32	5.16
9,352.0	43.20	179.60	9,292.2	-266.8	104.7	266.6	9.63	8.39	7.10
9,384.0	44.70	184.00	9,315.2	-289.0	104.0	288.8	10.63	4.69	13.75
9,415.0	47.60	183.10	9,336.7	-311.3	102.6	311.1	9.59	9.35	-2.90
9,446.0	51.10	180.60	9,356.9	-334.8	101.9	334.6	12.84	11.29	-8.06
9,478.0	54.80	177.70	9,376.1	-360.4	102.3	360.2	13.64	11.56	-9.06
9,509.0	58.50	177.90	9,393.2	-386.2	103.3	386.0	11.95	11.94	0.65
9,541.0	62.40	178.40	9,409.0	-414.0	104.2	413.9	12.26	12.19	1.56
9,572.0	66.50	176.90	9,422.3	-442.0	105.3	441.8	13.93	13.23	-4.84
9,603.0	70.00	177.50	9,433.8	-470.7	106.7	470.5	11.43	11.29	1.94
9,635.0	71.20	180.00	9,444.4	-500.9	107.4	500.7	8.27	3.75	7.81
9,666.0	74.30	181.60	9,453.6	-530.5	107.0	530.3	11.15	10.00	5.16
9,698.0	78.50	183.50	9,461.2	-561.6	105.6	561.4	14.34	13.13	5.94
9,724.7	80.91	184.36	9,465.9	-587.8	103.8	587.6	9.57	9.03	3.23
LP Jester 19/30 W2DE Fed Com #1H									
9,729.0	81.30	184.50	9,466.6	-592.0	103.4	591.8	9.57	9.04	3.20
9,761.0	85.80	184.40	9,470.2	-623.7	101.0	623.5	14.07	14.06	-0.31
9,851.0	91.60	182.80	9,472.2	-713.5	95.3	713.3	6.68	6.44	-1.78
9,883.0	90.90	182.00	9,471.5	-745.4	94.0	745.3	3.32	-2.19	-2.50
9,977.0	90.90	181.60	9,470.1	-839.4	91.0	839.2	0.43	0.00	-0.43
10,072.0	87.90	179.10	9,471.1	-934.3	90.5	934.2	4.11	-3.16	-2.63
10,166.0	89.40	180.80	9,473.3	-1,028.3	90.5	1,028.1	2.41	1.60	1.81
10,260.0	91.40	182.60	9,472.6	-1,122.3	87.8	1,122.1	2.86	2.13	1.91
10,355.0	89.90	181.20	9,471.5	-1,217.2	84.6	1,217.0	2.16	-1.58	-1.47
10,450.0	89.50	180.90	9,472.0	-1,312.2	82.9	1,312.0	0.53	-0.42	-0.32
10,544.0	90.20	180.90	9,472.3	-1,406.2	81.4	1,406.0	0.74	0.74	0.00
10,639.0	91.50	180.30	9,470.9	-1,501.1	80.4	1,501.0	1.51	1.37	-0.63
10,733.0	90.80	179.40	9,469.0	-1,595.1	80.6	1,595.0	1.21	-0.74	-0.96
10,828.0	89.90	177.80	9,468.4	-1,690.1	83.0	1,689.9	1.93	-0.95	-1.68
10,922.0	86.40	176.40	9,471.4	-1,783.9	87.7	1,783.7	4.01	-3.72	-1.49
11,016.0	90.90	176.87	9,473.6	-1,877.7	93.2	1,877.5	4.81	4.79	0.50



Stryker Directional Survey Report



Company:	Mewbourne Oil Company .	Local Co-ordinate Reference:	Well Jester 19/30 W2DE Fed Com #1H
Project:	Eddy County, New Mexico	TVD Reference:	3218 +25 @ 3243.0usft (Patterson 243)
Site:	Section 19/30-23S-27E Jester 19/30 W2DE Fed Com #1	MD Reference:	3218 +25 @ 3243.0usft (Patterson 243)
Well:	Jester 19/30 W2DE Fed Com #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,110.0	91.90	178.00	9,471.4	-1,971.6	97.4	1,971.4	1.60	1.06	1.20
11,205.0	92.30	179.40	9,467.9	-2,066.5	99.6	2,066.3	1.53	0.42	1.47
11,299.0	93.40	180.80	9,463.2	-2,160.4	99.4	2,160.2	1.89	1.17	1.49
11,394.0	90.00	182.50	9,460.4	-2,255.3	96.7	2,255.1	4.00	-3.58	1.79
11,488.0	91.60	182.90	9,459.1	-2,349.1	92.3	2,349.0	1.75	1.70	0.43
11,582.0	91.30	184.10	9,456.7	-2,442.9	86.5	2,442.8	1.32	-0.32	1.28
11,645.0	91.20	184.50	9,455.3	-2,505.7	81.8	2,505.6	0.65	-0.16	0.63
11,676.0	88.50	184.10	9,455.4	-2,536.7	79.5	2,536.5	8.80	-8.71	-1.29
11,707.0	87.60	184.10	9,456.4	-2,567.6	77.3	2,567.4	2.90	-2.90	0.00
11,739.0	86.60	183.40	9,458.1	-2,599.4	75.2	2,599.3	3.81	-3.13	-2.19
11,770.0	87.00	183.30	9,459.8	-2,630.3	73.4	2,630.2	1.33	1.29	-0.32
11,801.0	87.60	183.70	9,461.3	-2,661.2	71.5	2,661.1	2.33	1.94	1.29
11,833.0	87.60	183.80	9,462.6	-2,693.2	69.4	2,693.0	0.31	0.00	0.31
11,864.0	87.10	183.00	9,464.0	-2,724.1	67.5	2,723.9	3.04	-1.61	-2.58
11,895.0	86.80	182.60	9,465.7	-2,755.0	66.0	2,754.9	1.61	-0.97	-1.29
11,927.0	86.70	181.70	9,467.5	-2,786.9	64.8	2,786.8	2.83	-0.31	-2.81
11,959.0	86.20	181.50	9,469.5	-2,818.8	63.9	2,818.7	1.68	-1.56	-0.63
11,990.0	86.80	180.70	9,471.4	-2,849.8	63.3	2,849.7	3.22	1.94	-2.58
12,022.0	87.70	180.30	9,472.9	-2,881.7	63.1	2,881.6	3.08	2.81	-1.25
12,053.0	88.60	180.10	9,473.9	-2,912.7	63.0	2,912.6	2.97	2.90	-0.65
12,148.0	88.60	180.10	9,476.2	-3,007.7	62.8	3,007.6	0.00	0.00	0.00
12,180.0	90.50	179.40	9,476.5	-3,039.7	62.9	3,039.6	6.33	5.94	-2.19
12,243.0	90.60	179.90	9,475.9	-3,102.7	63.3	3,102.6	0.81	0.16	0.79
12,337.0	89.50	178.60	9,475.8	-3,196.7	64.6	3,196.6	1.81	-1.17	-1.38
12,431.0	89.70	178.70	9,476.4	-3,290.6	66.8	3,290.5	0.24	0.21	0.11
12,526.0	91.10	179.30	9,475.8	-3,385.6	68.4	3,385.5	1.60	1.47	0.63
12,620.0	89.00	178.00	9,475.7	-3,479.6	70.6	3,479.5	2.63	-2.23	-1.38
12,714.0	88.50	177.30	9,477.8	-3,573.5	74.5	3,573.4	0.91	-0.53	-0.74
12,746.0	90.50	177.90	9,478.0	-3,605.5	75.8	3,605.3	6.53	6.25	1.88
12,777.0	92.00	178.70	9,477.4	-3,636.4	76.8	3,636.3	5.48	4.84	2.58
12,808.0	92.00	178.60	9,476.3	-3,667.4	77.5	3,667.3	0.32	0.00	-0.32
12,903.0	90.20	178.40	9,474.4	-3,762.4	80.0	3,762.2	1.91	-1.89	-0.21
12,997.0	91.60	179.40	9,473.0	-3,856.3	81.8	3,856.2	1.83	1.49	1.06
13,092.0	90.20	179.40	9,471.5	-3,951.3	82.8	3,951.1	1.47	-1.47	0.00
13,187.0	90.90	178.90	9,470.6	-4,046.3	84.2	4,046.1	0.91	0.74	-0.53
13,281.0	90.20	178.60	9,469.7	-4,140.3	86.2	4,140.1	0.81	-0.74	-0.32
13,375.0	89.50	178.00	9,469.9	-4,234.2	89.0	4,234.1	0.98	-0.74	-0.64
13,470.0	91.50	178.70	9,469.1	-4,329.2	91.8	4,329.0	2.23	2.11	0.74
13,564.0	91.00	179.10	9,467.0	-4,423.1	93.6	4,423.0	0.68	-0.53	0.43
13,658.0	89.90	178.40	9,466.3	-4,517.1	95.6	4,516.9	1.39	-1.17	-0.74
13,753.0	91.00	180.40	9,465.5	-4,612.1	96.6	4,611.9	2.40	1.16	2.11
13,848.0	90.40	183.40	9,464.4	-4,707.0	93.5	4,706.8	3.22	-0.63	3.16
13,943.0	87.50	183.40	9,466.1	-4,801.8	87.8	4,801.7	3.05	-3.05	0.00



Stryker Directional Survey Report



Company:	Mewbourne Oil Company .	Local Co-ordinate Reference:	Well Jester 19/30 W2DE Fed Com #1H
Project:	Eddy County, New Mexico	TVD Reference:	3218 +25 @ 3243.0usft (Patterson 243)
Site:	Section 19/30-23S-27E Jester 19/30 W2DE Fed Com #1	MD Reference:	3218 +25 @ 3243.0usft (Patterson 243)
Well:	Jester 19/30 W2DE Fed Com #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
14,037.0	90.40	184.80	9,467.9	-4,895.6	81.1	4,895.4	3.43	3.09	1.49
14,132.0	90.20	183.80	9,467.4	-4,990.3	74.0	4,990.1	1.07	-0.21	-1.05
14,226.0	87.50	183.50	9,469.2	-5,084.1	68.0	5,083.9	2.89	-2.87	-0.32
14,321.0	86.20	184.80	9,474.5	-5,178.7	61.1	5,178.6	1.93	-1.37	1.37
14,384.0	97.00	184.40	9,472.7	-5,241.3	56.1	5,241.2	17.15	17.14	-0.63
14,416.0	96.80	184.70	9,468.9	-5,273.0	53.6	5,272.9	1.12	-0.63	0.94
14,448.0	96.30	184.80	9,465.2	-5,304.7	50.9	5,304.6	1.59	-1.56	0.31
14,479.0	88.40	184.30	9,463.9	-5,335.5	48.5	5,335.5	25.53	-25.48	-1.61
14,511.0	90.90	184.50	9,464.1	-5,367.4	46.0	5,367.4	7.84	7.81	0.63
14,543.0	91.50	183.80	9,463.5	-5,399.4	43.7	5,399.3	2.88	1.88	-2.19
14,574.0	92.80	183.70	9,462.3	-5,430.3	41.7	5,430.2	4.21	4.19	-0.32
14,606.0	91.10	183.30	9,461.2	-5,462.2	39.7	5,462.1	5.46	-5.31	-1.25
14,638.0	91.70	183.20	9,460.4	-5,494.1	37.9	5,494.1	1.90	1.88	-0.31
14,701.0	87.40	182.20	9,460.9	-5,557.0	34.9	5,557.0	7.01	-6.83	-1.59
14,733.0	89.50	181.10	9,461.8	-5,589.0	34.0	5,588.9	7.41	6.56	-3.44
14,796.0	90.40	180.20	9,461.8	-5,652.0	33.3	5,651.9	2.02	1.43	-1.43
14,828.0	90.10	180.20	9,461.7	-5,684.0	33.2	5,683.9	0.94	-0.94	0.00
14,891.0	89.70	181.20	9,461.8	-5,747.0	32.4	5,746.9	1.71	-0.63	1.59
14,985.0	88.00	180.30	9,463.7	-5,841.0	31.2	5,840.9	2.05	-1.81	-0.96
15,080.0	87.70	181.00	9,467.3	-5,935.9	30.1	5,935.8	0.80	-0.32	0.74
15,174.0	89.20	182.10	9,469.8	-6,029.8	27.6	6,029.8	1.98	1.60	1.17
15,268.0	92.40	184.00	9,468.5	-6,123.7	22.6	6,123.6	3.96	3.40	2.02
15,364.0	91.80	183.70	9,465.0	-6,219.4	16.1	6,219.3	0.70	-0.63	-0.31
15,458.0	90.20	181.60	9,463.3	-6,313.3	11.8	6,313.2	2.81	-1.70	-2.23
15,553.0	88.00	180.30	9,464.8	-6,408.2	10.2	6,408.2	2.69	-2.32	-1.37
15,648.0	87.50	180.90	9,468.6	-6,503.1	9.2	6,503.1	0.82	-0.53	0.63
15,742.0	86.90	180.70	9,473.2	-6,597.0	7.9	6,597.0	0.67	-0.64	-0.21
15,837.0	88.20	181.60	9,477.2	-6,691.9	6.0	6,691.9	1.66	1.37	0.95
15,930.0	89.40	182.30	9,479.2	-6,784.8	2.8	6,784.8	1.49	1.29	0.75
16,025.0	88.40	183.00	9,481.0	-6,879.7	-1.5	6,879.7	1.28	-1.05	0.74
16,088.0	88.70	182.30	9,482.6	-6,942.6	-4.5	6,942.6	1.21	0.48	-1.11
16,119.0	89.10	182.80	9,483.2	-6,973.6	-5.8	6,973.6	2.07	1.29	1.61
16,151.0	89.50	183.00	9,483.6	-7,005.6	-7.5	7,005.6	1.40	1.25	0.63
16,182.0	88.90	182.60	9,484.0	-7,036.5	-9.0	7,036.5	2.33	-1.94	-1.29
16,214.0	89.60	182.50	9,484.4	-7,068.5	-10.4	7,068.5	2.21	2.19	-0.31
16,246.0	91.00	184.20	9,484.2	-7,100.4	-12.3	7,100.4	6.88	4.38	5.31
16,309.0	91.30	184.70	9,483.0	-7,163.2	-17.1	7,163.2	0.93	0.48	0.79
16,403.0	90.50	185.80	9,481.5	-7,256.8	-25.7	7,256.8	1.45	-0.85	1.17
16,512.0	91.40	187.20	9,479.7	-7,365.1	-38.1	7,365.1	1.53	0.83	1.28
16,565.0	91.40	187.20	9,478.4	-7,417.7	-44.7	7,417.7	0.00	0.00	0.00

16565' MD Projected to Bit - PBHL Jester 19 W2DM Fed Com #1H



Stryker Directional Survey Report



Company:	Mewbourne Oil Company .	Local Co-ordinate Reference:	Well Jester 19/30 W2DE Fed Com #1H
Project:	Eddy County, New Mexico	TVD Reference:	3218 +25 @ 3243.0usft (Patterson 243)
Site:	Section 19/30-23S-27E Jester 19/30 W2DE Fed Com #1	MD Reference:	3218 +25 @ 3243.0usft (Patterson 243)
Well:	Jester 19/30 W2DE Fed Com #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
16,565.0	9,478.4	-7,417.7	-44.7	16565' MD Projected to Bit