

OPERATOR
WELL/LEASE
COUNTY

MEWBOURNE OIL COMPANY
VOYAGER 11 EH FED COM 1H
EDDY

046-0087

STATE OF NEW MEXICO
DEVIATION REPORT

30-015-41258

207	1.16	6,924	4.20
536	0.96	7,080	4.10
934	2.27	7,238	2.10
1,186	2.62	7,394	3.10
1,345	3.43	7,551	3.10
1,698	3.66	7,708	2.90
1,920	0.86	7,865	2.60
2,229	1.00	8,025	3.00
2,577	0.69	8,184	2.60
2,735	1.10		
2,893	0.80		
3,052	0.70		
3,212	0.90		
3,370	1.21		
3,593	1.80		
3,688	1.80		
3,784	2.10		
3,974	1.70		
4,069	1.70		
4,169	2.20		
4,386	2.70		
4,481	2.70		
4,577	3.20		
4,673	3.10		
4,763	3.00		
4,862	3.10		
4,957	3.50		
5,051	4.20		
5,337	4.90		
5,432	4.70		
5,527	4.20		
5,812	3.20		
5,971	3.20		
6,162	2.90		
6,289	2.70		
6,447	2.30		
6,641	4.40		
6,765	4.20		



BY: Steve Moore

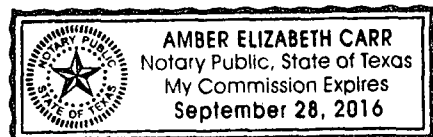
STATE OF TEXAS

COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on
Moore on behalf of Patterson-UTI Drilling Company LLC.

Amber Elizabeth Carr
Notary Public for Midland County, Texas

5/9/13, by Steve





Company: Mewbourne Oil Company
Lease/Well: Voyager "11" EH Federal Com/ No. 001H
Location: S11 T28s R27e
Rig Name: Patterson 46
State/County: New Mexico/ Eddy
Latitude: 32.59, Longitude: -104.26
GRID North is 0.04 Degrees East of True North
VS-Azi: 0.00 Degrees



RKB : 20.5'

DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: ...eh fed com #1h gyro survey.ut

Minimum Curvature Method

Report Date/Time: 4/26/2013 / 08:15

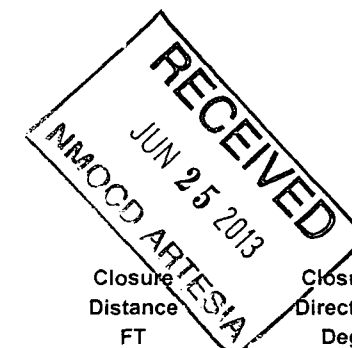
Vaughn Energy Services

Gardendale, Texas 79758

432-563-5444

Survey Engineer: Dustin Wedel

Voyager "11" EH Federal Com No. 001H / API 30-015-41258



Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	****
100.00	0.99	280.00	100.00	0.15	-0.85	0.15	0.86	280.00	0.99
200.00	1.07	305.90	199.98	0.85	-2.46	0.85	2.60	289.03	0.47
300.00	1.11	307.93	299.96	1.99	-3.98	1.99	4.45	296.59	0.06
400.00	1.06	310.91	399.94	3.19	-5.44	3.19	6.31	300.40	0.08
500.00	1.29	316.69	499.92	4.62	-6.91	4.62	8.31	303.75	0.26
600.00	1.62	322.32	599.89	6.56	-8.55	6.56	10.78	307.49	0.35
700.00	1.63	311.71	699.85	8.62	-10.47	8.62	13.57	309.46	0.30
800.00	2.11	321.29	799.80	11.00	-12.68	11.00	16.79	310.94	0.57
900.00	1.81	311.26	899.74	13.48	-15.03	13.48	20.19	311.90	0.45
1000.00	2.08	316.59	999.68	15.84	-17.46	15.84	23.57	312.22	0.32
1100.00	2.09	312.28	1099.61	18.38	-20.05	18.38	27.20	312.51	0.16
1200.00	2.07	310.44	1199.55	20.77	-22.77	20.77	30.82	312.38	0.07
1300.00	2.25	308.52	1299.48	23.17	-25.68	23.17	34.58	312.06	0.20
1400.00	2.17	306.50	1399.40	25.52	-28.74	25.52	38.43	311.60	0.11
1500.00	1.95	309.65	1499.34	27.73	-31.57	27.73	42.02	311.29	0.25
1600.00	1.66	298.90	1599.29	29.52	-34.15	29.52	45.14	310.84	0.45
1700.00	1.40	292.03	1699.25	30.67	-36.55	30.67	47.71	310.01	0.32
1800.00	1.28	285.89	1799.23	31.44	-38.75	31.44	49.90	309.05	0.19

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
1900.00	1.17	279.42	1899.20	31.91	-40.83	31.91	51.82	308.01	0.18
2000.00	1.05	279.54	1999.19	32.23	-42.74	32.23	53.53	307.02	0.12
2100.00	0.80	285.81	2099.17	32.57	-44.32	32.57	55.00	306.31	0.27
2200.00	1.00	287.19	2199.16	33.02	-45.83	33.02	56.48	305.77	0.20
2300.00	0.73	284.10	2299.15	33.43	-47.28	33.43	57.90	305.26	0.28
2400.00	1.04	282.97	2399.14	33.79	-48.78	33.79	59.34	304.71	0.32
2500.00	0.87	290.20	2499.12	34.26	-50.38	34.26	60.92	304.22	0.21
2600.00	0.84	294.18	2599.11	34.82	-51.75	34.82	62.38	303.93	0.07
2700.00	0.76	313.63	2699.10	35.57	-52.90	35.57	63.75	303.92	0.28
2800.00	0.90	295.08	2799.09	36.36	-54.09	36.36	65.17	303.91	0.30
2900.00	0.46	308.95	2899.08	36.94	-55.11	36.94	66.35	303.84	0.47
3000.00	0.56	319.17	2999.08	37.56	-55.74	37.56	67.22	303.98	0.14
3100.00	0.68	314.59	3099.07	38.35	-56.48	38.35	68.27	304.18	0.12
3200.00	0.78	331.59	3199.07	39.36	-57.23	39.36	69.46	304.52	0.24
3300.00	0.87	357.20	3299.06	40.72	-57.59	40.72	70.53	305.27	0.38
3400.00	1.51	13.52	3399.03	42.76	-57.32	42.76	71.51	306.73	0.72
3500.00	1.45	9.43	3499.00	45.29	-56.80	45.29	72.65	308.57	0.12
3600.00	1.78	0.14	3598.96	48.08	-56.59	48.08	74.26	310.35	0.42
3700.00	1.96	359.91	3698.91	51.34	-56.59	51.34	76.41	312.22	0.18
3800.00	1.91	359.88	3798.85	54.71	-56.60	54.71	78.72	314.03	0.05
3900.00	1.64	349.01	3898.80	57.78	-56.87	57.78	81.08	315.46	0.43
4000.00	1.68	347.70	3998.76	60.62	-57.46	60.62	83.53	316.54	0.05
4100.00	1.88	333.18	4098.71	63.52	-58.51	63.52	86.36	317.35	0.49
4200.00	2.24	315.84	4198.65	66.39	-60.62	66.39	89.90	317.60	0.72
4300.00	2.53	313.02	4298.56	69.30	-63.59	69.30	94.06	317.46	0.31
4400.00	2.65	309.59	4398.46	72.28	-66.99	72.28	98.55	317.18	0.20
4500.00	2.63	313.10	4498.35	75.32	-70.45	75.32	103.13	316.92	0.16
4600.00	2.79	311.80	4598.24	78.51	-73.93	78.51	107.84	316.72	0.17
4700.00	2.67	311.35	4698.13	81.67	-77.49	81.67	112.59	316.50	0.12
4800.00	2.70	311.29	4798.02	84.76	-81.01	84.76	117.25	316.30	0.03
4900.00	3.23	319.20	4897.89	88.45	-84.62	88.45	122.41	316.27	0.67
5000.00	3.83	326.77	4997.70	93.38	-88.30	93.38	128.51	316.60	0.76
5100.00	4.50	333.28	5097.43	99.68	-91.89	99.68	135.58	317.33	0.82
5200.00	4.78	329.51	5197.10	106.78	-95.77	106.78	143.44	318.11	0.41
5300.00	4.66	323.55	5296.77	113.64	-100.30	113.64	151.58	318.57	0.50
5400.00	4.73	315.30	5396.43	119.84	-105.62	119.84	159.74	318.61	0.68
5500.00	4.20	311.32	5496.13	125.19	-111.26	125.19	167.49	318.37	0.61
5600.00	3.90	303.21	5595.88	129.47	-116.86	129.47	174.41	317.93	0.64
5700.00	3.97	297.42	5695.64	132.92	-122.78	132.92	180.95	317.27	0.40

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
5800.00	3.15	291.61	5795.45	135.53	-128.41	135.53	186.70	316.55	0.90
5900.00	3.13	284.81	5895.30	137.24	-133.61	137.24	191.53	315.77	0.37
6000.00	2.85	288.25	5995.16	138.72	-138.61	138.72	196.10	315.02	0.34
6016.00	2.74	290.90	6011.14	138.98	-139.34	138.98	196.80	314.93	1.05

Mewbourne Oil Co

Eddy County, New Mexico

Sec 11,T20S,R27E

Voyager 11EH Fed Com 1H

Wellbore #1

Design: Wellbore #1

DDC Survey Report

07 May, 2013



DDC Survey Report



Company:	Mewbourne Oil Co	Local Co-ordinate Reference:	Well Voyager 11 EH Fed Com 1H
Project:	Eddy County, New Mexico	TVD Reference:	WELL @ 3369.0usft (Patterson-UTI #46)
Site:	Sec 11, T20S, R27E	MD Reference:	WELL @ 3369.0usft (Patterson-UTI #46)
Well:	Voyager 11 EH Fed Com 1H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

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:	Sec 11, T20S, R27E				
Site Position:	Northing:	578,255.56 usft	Latitude:	32° 35' 22.950 N	
From:	Map	Easting:	522,872.95 usft	Longitude:	104° 15' 32.649 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.04 °

Well:	Voyager 11 EH Fed Com 1H					
Well Position	+N/-S	0.0 usft	Northing:	578,255.56 usft	Latitude:	32° 35' 22.950 N
	+E/-W	0.0 usft	Easting:	522,872.95 usft	Longitude:	104° 15' 32.649 W
Position Uncertainty	0.0 usft		Wellhead Elevation:	usft	Ground Level:	3,349.0 usft

Wellbore: Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	4/5/2013	7.71	60.36	48,580

Design: Wellbore #1

Audit Notes:

Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
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Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	92.22

Survey Program Date: 5/7/2013

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.0	5,400.0	GYRO (Wellbore #1)	Good_gyro	Good Gyro
5,459.0	10,680.0	MWD (Wellbore #1)	MWD default	MWD - Standard

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	0.99	280.00	100.0	0.2	-0.9	-0.9	0.99	0.99	0.00
200.0	1.07	305.90	200.0	0.8	-2.5	-2.5	0.47	0.08	25.90
300.0	1.11	307.93	300.0	2.0	-4.0	-4.1	0.06	0.04	2.03
400.0	1.06	310.91	399.9	3.2	-5.4	-5.6	0.08	-0.05	2.98
500.0	1.29	316.69	499.9	4.6	-6.9	-7.1	0.26	0.23	5.78
600.0	1.62	322.32	599.9	6.6	-8.5	-8.8	0.36	0.33	5.63
700.0	1.63	311.71	699.8	8.6	-10.5	-10.8	0.30	0.01	-10.61
800.0	2.11	321.29	799.8	11.0	-12.7	-13.1	0.57	0.48	9.58
900.0	1.81	311.26	899.7	13.5	-15.0	-15.5	0.45	-0.30	-10.03

DDC Survey Report



Company: Mewbourne Oil Co
Project: Eddy County, New Mexico
Site: Sec 11, T20S, R27E
Well: Voyager 11 EH Fed Com 1H
Wellbore: Wellbore #1
Design: Wellbore #1

Local Co-ordinate Reference: Well Voyager 11 EH Fed Com 1H
TVD Reference: WELL @ 3369.0usft (Patterson-UTI #46)
MD Reference: WELL @ 3369.0usft (Patterson-UTI #46)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

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)
1,000.0	2.08	316.59	999.7	15.8	-17.5	-18.1	0.32	0.27	5.33
1,100.0	2.09	312.28	1,099.6	18.4	-20.1	-20.8	0.16	0.01	-4.31
1,200.0	2.07	310.44	1,199.5	20.8	-22.8	-23.6	0.07	-0.02	-1.84
1,300.0	2.25	308.52	1,299.5	23.2	-25.7	-26.6	0.19	0.18	-1.92
1,400.0	2.17	306.50	1,399.4	25.5	-28.7	-29.7	0.11	-0.08	-2.02
1,500.0	1.95	309.65	1,499.3	27.7	-31.6	-32.6	0.25	-0.22	3.15
1,600.0	1.66	298.90	1,599.3	29.5	-34.2	-35.3	0.44	-0.29	-10.75
1,700.0	1.40	292.03	1,699.3	30.7	-36.6	-37.7	0.32	-0.26	-6.87
1,800.0	1.28	285.89	1,799.2	31.4	-38.8	-40.0	0.19	-0.12	-6.14
1,900.0	1.17	279.42	1,899.2	31.9	-40.8	-42.1	0.18	-0.11	-6.47
2,000.0	1.05	279.54	1,999.2	32.2	-42.8	-44.0	0.12	-0.12	0.12
2,100.0	0.80	285.81	2,099.2	32.6	-44.3	-45.6	0.27	-0.25	6.27
2,200.0	1.00	287.19	2,199.2	33.0	-45.8	-47.1	0.20	0.20	1.38
2,300.0	0.73	284.10	2,299.1	33.4	-47.3	-48.5	0.27	-0.27	-3.09
2,400.0	1.04	282.97	2,399.1	33.8	-48.8	-50.1	0.31	0.31	-1.13
2,500.0	0.87	290.20	2,499.1	34.3	-50.4	-51.7	0.21	-0.17	7.23
2,600.0	0.84	294.18	2,599.1	34.8	-51.8	-53.1	0.07	-0.03	3.98
2,700.0	0.76	313.63	2,699.1	35.6	-52.9	-54.3	0.28	-0.08	19.45
2,800.0	0.90	295.08	2,799.1	36.4	-54.1	-55.5	0.30	0.14	-18.55
2,900.0	0.46	308.95	2,899.1	37.0	-55.1	-56.5	0.47	-0.44	13.87
3,000.0	0.56	319.17	2,999.1	37.6	-55.8	-57.2	0.13	0.10	10.22
3,100.0	0.68	314.59	3,099.1	38.4	-56.5	-58.0	0.13	0.12	-4.58
3,200.0	0.78	331.59	3,199.1	39.4	-57.3	-58.7	0.24	0.10	17.00
3,300.0	0.87	357.20	3,299.1	40.7	-57.6	-59.1	0.38	0.09	25.61
3,400.0	1.51	13.52	3,399.0	42.8	-57.3	-59.0	0.72	0.64	16.32
3,500.0	1.45	9.43	3,499.0	45.3	-56.8	-58.5	0.12	-0.06	-4.09
3,600.0	1.78	0.14	3,599.0	48.1	-56.6	-58.4	0.42	0.33	-9.29
3,700.0	1.96	359.91	3,698.9	51.4	-56.6	-58.6	0.18	0.18	-0.23
3,800.0	1.91	359.88	3,798.9	54.8	-56.6	-58.7	0.05	-0.05	-0.03
3,900.0	1.64	349.01	3,898.8	57.8	-56.9	-59.1	0.43	-0.27	-10.87
4,000.0	1.68	347.70	3,998.8	60.7	-57.5	-59.8	0.06	0.04	-1.31
4,100.0	1.88	333.18	4,098.7	63.6	-58.5	-61.0	0.49	0.20	-14.52
4,200.0	2.24	315.84	4,198.6	66.4	-60.6	-63.2	0.72	0.36	-17.34
4,300.0	2.53	313.02	4,298.6	69.3	-63.6	-66.3	0.31	0.29	-2.82
4,400.0	2.65	309.59	4,398.5	72.3	-67.0	-69.8	0.20	0.12	-3.43
4,500.0	2.63	313.10	4,498.4	75.3	-70.5	-73.3	0.16	-0.02	3.51
4,600.0	2.79	311.80	4,598.2	78.5	-74.0	-76.9	0.17	0.16	-1.30
4,700.0	2.67	311.35	4,698.1	81.7	-77.5	-80.6	0.12	-0.12	-0.45
4,800.0	2.70	311.29	4,798.0	84.8	-81.0	-84.3	0.03	0.03	-0.06
4,900.0	3.23	319.20	4,897.9	88.5	-84.6	-88.0	0.67	0.53	7.91
5,000.0	3.83	326.77	4,997.7	93.4	-88.3	-91.9	0.76	0.60	7.57
5,100.0	4.50	333.28	5,097.4	99.7	-91.9	-95.7	0.82	0.67	6.51
5,200.0	4.78	329.51	5,197.1	106.8	-95.8	-99.9	0.41	0.28	-3.77

DDC Survey Report



Company: Mewbourne Oil Co Project: Eddy County, New Mexico Site: Sec 11, T20S, R27E Well: Voyager 11 EH Fed Com 1H Wellbore: Wellbore #1 Design: Wellbore #1	Local Co-ordinate Reference: Well Voyager 11 EH Fed Com 1H TVD Reference: WELL @ 3369.0usft (Patterson-UTI #46) MD Reference: WELL @ 3369.0usft (Patterson-UTI #46) North Reference: Grid Survey Calculation Method: Minimum Curvature Database: EDM 5000.1 Single User Db	
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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)
5,300.0	4.66	323.55	5,296.8	113.7	-100.3	-104.6	0.50	-0.12	-5.96
TIE IN @ 5400' MD / 5396.4' TVD									
5,400.0	4.73	315.30	5,396.4	119.9	-105.6	-110.2	0.68	0.07	-8.25
5,459.0	3.50	323.30	5,455.3	123.0	-108.4	-113.1	2.30	-2.08	13.56
5,491.0	1.10	31.80	5,487.3	124.1	-108.8	-113.6	10.19	-7.50	214.06
5,523.0	4.20	98.70	5,519.2	124.2	-107.5	-112.2	12.19	9.69	209.06
5,554.0	8.40	97.10	5,550.0	123.7	-104.1	-108.9	13.56	13.55	-5.16
5,586.0	12.10	92.80	5,581.5	123.3	-98.5	-103.2	11.80	11.56	-13.44
5,617.0	16.00	89.80	5,611.6	123.1	-91.0	-95.7	12.79	12.58	-9.68
5,649.0	19.40	89.50	5,642.1	123.2	-81.2	-85.9	10.63	10.63	-0.94
5,681.0	22.80	89.00	5,671.9	123.3	-69.7	-74.4	10.64	10.63	-1.56
5,713.0	25.90	89.40	5,701.1	123.5	-56.5	-61.3	9.70	9.69	1.25
5,744.0	28.80	90.60	5,728.6	123.5	-42.3	-47.0	9.52	9.35	3.87
5,776.0	31.80	92.00	5,756.2	123.1	-26.1	-30.9	9.63	9.38	4.38
5,807.0	35.00	92.80	5,782.1	122.4	-9.1	-13.8	10.42	10.32	2.58
5,839.0	38.40	92.90	5,807.7	121.5	10.0	5.3	10.63	10.63	0.31
5,870.0	41.70	91.80	5,831.5	120.6	29.9	25.2	10.89	10.65	-3.55
5,902.0	45.50	90.30	5,854.6	120.2	52.0	47.3	12.31	11.88	-4.69
5,934.0	49.60	89.40	5,876.2	120.3	75.6	70.9	12.98	12.81	-2.81
5,966.0	53.80	89.20	5,896.1	120.6	100.7	96.0	13.13	13.13	-0.63
5,998.0	57.80	89.60	5,914.0	120.9	127.2	122.4	12.54	12.50	1.25
6,029.0	61.80	90.60	5,929.6	120.8	153.9	149.1	13.20	12.90	3.23
CROSSED HARDLINE @ 6044' MD / 5936.5' TVD									
6,044.0	63.72	90.93	5,936.5	120.7	167.3	162.5	12.96	12.81	2.23
6,061.0	65.90	91.30	5,943.7	120.4	182.7	177.9	12.96	12.81	2.15
6,093.0	70.10	92.30	5,955.7	119.4	212.3	207.5	13.44	13.13	3.13
6,124.0	73.80	93.30	5,965.3	118.0	241.7	237.0	12.32	11.94	3.23
6,156.0	76.80	93.50	5,973.4	116.2	272.6	267.9	9.39	9.38	0.63
6,188.0	80.20	94.00	5,979.8	114.1	303.9	299.3	10.73	10.63	1.56
6,219.0	84.30	94.40	5,984.0	111.9	334.5	330.0	13.29	13.23	1.29
6,224.0	84.70	94.40	5,984.5	111.5	339.5	334.9	8.00	8.00	0.00
6,301.0	88.40	92.40	5,989.1	106.9	416.2	411.8	5.46	4.81	-2.60
6,332.0	86.80	93.50	5,990.4	105.3	447.1	442.7	6.26	-5.16	3.55
6,363.0	85.90	93.50	5,992.4	103.4	478.0	473.7	2.90	-2.90	0.00
6,394.0	85.70	93.50	5,994.7	101.5	508.9	504.6	0.65	-0.65	0.00
6,457.0	86.40	94.50	5,999.0	97.2	571.6	567.4	1.93	1.11	1.59
6,519.0	86.50	94.20	6,002.8	92.5	633.3	629.2	0.51	0.16	-0.48
6,583.0	86.60	93.60	6,006.7	88.1	697.0	693.1	0.95	0.16	-0.94
6,646.0	86.50	93.40	6,010.5	84.3	759.8	756.0	0.35	-0.16	-0.32
6,709.0	87.20	93.80	6,013.9	80.3	822.6	818.8	1.28	1.11	0.63
6,773.0	87.70	94.30	6,016.8	75.8	886.3	882.7	1.10	0.78	0.78
6,836.0	87.70	93.80	6,019.3	71.4	949.1	945.7	0.79	0.00	-0.79
6,899.0	87.50	93.50	6,022.0	67.4	1,012.0	1,008.6	0.57	-0.32	-0.48
6,963.0	87.70	93.50	6,024.6	63.5	1,075.8	1,072.5	0.31	0.31	0.00

DDC Survey Report



Company: Mewbourne Oil Co
Project: Eddy County, New Mexico
Site: Sec 11, T20S, R27E
Well: Voyager 11 EH Fed Com 1H
Wellbore: Wellbore #1
Design: Wellbore #1

Local Co-ordinate Reference: Well Voyager 11 EH Fed Com 1H
TVD Reference: WELL @ 3369.0usft (Patterson-UTI #46)
MD Reference: WELL @ 3369.0usft (Patterson-UTI #46)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1:Single User Db

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)
7,026.0	86.10	92.60	6,028.0	60.1	1,138.6	1,135.4	2.91	-2.54	-1.43
7,058.0	85.70	92.70	6,030.3	58.6	1,170.5	1,167.3	1.29	-1.25	0.31
7,089.0	85.30	92.90	6,032.8	57.1	1,201.3	1,198.2	1.44	-1.29	0.65
7,121.0	85.50	92.90	6,035.3	55.5	1,233.2	1,230.1	0.63	0.63	0.00
7,152.0	86.20	94.10	6,037.6	53.6	1,264.1	1,261.0	4.47	2.26	3.87
7,184.0	87.20	93.80	6,039.4	51.4	1,295.9	1,293.0	3.26	3.13	-0.94
7,216.0	86.90	93.60	6,041.1	49.4	1,327.8	1,324.9	1.13	-0.94	-0.63
7,279.0	86.60	92.60	6,044.6	46.0	1,390.6	1,387.8	1.65	-0.48	-1.59
7,311.0	88.40	95.20	6,046.0	43.8	1,422.5	1,419.8	9.88	5.63	8.13
7,343.0	90.20	96.10	6,046.4	40.6	1,454.4	1,451.7	6.29	5.63	2.81
7,374.0	90.10	95.80	6,046.3	37.4	1,485.2	1,482.6	1.02	-0.32	-0.97
7,406.0	89.10	95.50	6,046.6	34.3	1,517.0	1,514.6	3.26	-3.13	-0.94
7,438.0	87.70	94.70	6,047.5	31.4	1,548.9	1,546.5	5.04	-4.38	-2.50
7,470.0	86.00	94.50	6,049.2	28.9	1,580.7	1,578.4	5.35	-5.31	-0.63
7,501.0	85.30	94.70	6,051.6	26.4	1,611.6	1,609.3	2.35	-2.26	0.65
7,533.0	85.60	94.60	6,054.1	23.8	1,643.4	1,641.2	0.99	0.94	-0.31
7,564.0	86.50	93.80	6,056.2	21.5	1,674.2	1,672.1	3.88	2.90	-2.58
7,596.0	87.10	93.40	6,058.0	19.5	1,706.1	1,704.0	2.25	1.88	-1.25
7,627.0	87.20	93.50	6,059.6	17.7	1,737.0	1,735.0	0.46	0.32	0.32
7,659.0	87.20	93.30	6,061.1	15.8	1,768.9	1,767.0	0.62	0.00	-0.63
7,723.0	86.50	93.10	6,064.6	12.2	1,832.7	1,830.8	1.14	-1.09	-0.31
7,786.0	87.30	93.90	6,068.1	8.4	1,895.5	1,893.7	1.79	1.27	1.27
7,849.0	87.10	94.00	6,071.1	4.0	1,958.3	1,956.6	0.35	-0.32	0.16
7,913.0	87.60	93.80	6,074.1	-0.3	2,022.0	2,020.5	0.84	0.78	-0.31
7,976.0	87.30	94.70	6,076.9	-5.0	2,084.8	2,083.4	1.50	-0.48	1.43
8,040.0	87.70	94.00	6,079.7	-9.8	2,148.6	2,147.3	1.26	0.63	-1.09
8,103.0	88.00	94.20	6,082.1	-14.3	2,211.4	2,210.3	0.57	0.48	0.32
8,165.0	88.30	94.90	6,084.1	-19.2	2,273.1	2,272.2	1.23	0.48	1.13
8,229.0	88.90	95.90	6,085.6	-25.3	2,336.8	2,336.0	1.82	0.94	1.56
8,292.0	89.80	96.60	6,086.3	-32.1	2,399.4	2,398.9	1.81	1.43	1.11
8,324.0	90.50	97.10	6,086.2	-35.9	2,431.2	2,430.8	2.69	2.19	1.56
8,356.0	89.20	97.40	6,086.3	-40.0	2,463.0	2,462.7	4.17	-4.06	0.94
8,387.0	88.10	97.20	6,087.1	-43.9	2,493.7	2,493.5	3.61	-3.55	-0.65
8,419.0	86.50	96.60	6,088.6	-47.8	2,525.4	2,525.4	5.34	-5.00	-1.88
8,450.0	86.00	95.60	6,090.6	-51.0	2,556.2	2,556.2	3.60	-1.61	-3.23
8,482.0	86.00	95.40	6,092.8	-54.1	2,588.0	2,588.1	0.62	0.00	-0.63
8,514.0	85.40	94.60	6,095.2	-56.9	2,619.8	2,620.0	3.12	-1.88	-2.50
8,546.0	85.60	94.10	6,097.7	-59.3	2,651.6	2,651.9	1.68	0.63	-1.56
8,577.0	85.70	94.20	6,100.1	-61.5	2,682.4	2,682.8	0.46	0.32	0.32
8,609.0	86.70	93.50	6,102.2	-63.7	2,714.2	2,714.7	3.81	3.13	-2.19
8,640.0	86.10	92.40	6,104.2	-65.3	2,745.1	2,745.6	4.04	-1.94	-3.55
8,672.0	85.80	92.50	6,106.4	-66.6	2,777.0	2,777.5	0.99	-0.94	0.31
8,703.0	85.50	92.50	6,108.8	-68.0	2,807.9	2,808.4	0.97	-0.97	0.00

DDC Survey Report



Company:	Mewbourne Oil Co	Local Co-ordinate Reference:	Well Voyager 11 EH Fed Com 1H
Project:	Eddy County, New Mexico	TVD Reference:	WELL @ 3369.0usft (Patterson-UTI #46)
Site:	Sec 11, T20S, R27E	MD Reference:	WELL @ 3369.0usft (Patterson-UTI #46)
Well:	Voyager 11 EH Fed Com 1H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

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)
8,735.0	86.40	92.40	6,111.0	-69.4	2,839.8	2,840.4	2.83	2.81	-0.31
8,766.0	86.30	92.30	6,113.0	-70.6	2,870.7	2,871.3	0.46	-0.32	-0.32
8,798.0	86.50	92.50	6,115.0	-72.0	2,902.6	2,903.2	0.88	0.63	0.63
8,830.0	87.30	92.70	6,116.7	-73.4	2,934.5	2,935.2	2.58	2.50	0.63
8,894.0	87.50	93.30	6,119.6	-76.8	2,998.4	2,999.1	0.99	0.31	0.94
8,957.0	87.50	93.90	6,122.4	-80.7	3,061.2	3,062.0	0.95	0.00	0.95
9,020.0	87.30	93.50	6,125.3	-84.8	3,124.0	3,125.0	0.71	-0.32	-0.63
9,083.0	87.40	93.50	6,128.2	-88.6	3,186.8	3,187.9	0.16	0.16	0.00
9,146.0	86.90	92.70	6,131.3	-92.0	3,249.7	3,250.8	1.50	-0.79	-1.27
9,210.0	87.40	93.40	6,134.5	-95.4	3,313.5	3,314.7	1.34	0.78	1.09
9,273.0	86.80	93.00	6,137.7	-98.9	3,376.3	3,377.6	1.14	-0.95	-0.63
9,337.0	86.70	93.40	6,141.3	-102.5	3,440.1	3,441.5	0.64	-0.16	0.63
9,401.0	86.30	93.20	6,145.2	-106.2	3,503.9	3,505.4	0.70	-0.63	-0.31
9,464.0	86.00	93.10	6,149.4	-109.6	3,566.6	3,568.2	0.50	-0.48	-0.16
9,527.0	86.80	92.60	6,153.4	-112.8	3,629.4	3,631.1	1.50	1.27	-0.79
9,590.0	89.00	95.60	6,155.7	-117.3	3,692.2	3,694.0	5.90	3.49	4.76
9,622.0	89.20	95.70	6,156.2	-120.4	3,724.1	3,725.9	0.70	0.63	0.31
9,654.0	88.10	94.90	6,157.0	-123.4	3,755.9	3,757.9	4.25	-3.44	-2.50
9,685.0	86.90	94.40	6,158.3	-125.9	3,786.8	3,788.8	4.19	-3.87	-1.61
9,717.0	87.30	95.40	6,159.9	-128.6	3,818.6	3,820.7	3.36	1.25	3.13
9,749.0	88.50	96.60	6,161.1	-131.9	3,850.4	3,852.7	5.30	3.75	3.75
9,781.0	88.70	97.10	6,161.9	-135.8	3,882.2	3,884.5	1.68	0.63	1.56
9,812.0	88.00	95.30	6,162.8	-139.1	3,913.0	3,915.4	6.23	-2.26	-5.81
9,844.0	87.10	95.40	6,164.1	-142.1	3,944.8	3,947.4	2.83	-2.81	0.31
9,876.0	86.90	95.70	6,165.8	-145.2	3,976.6	3,979.3	1.13	-0.63	0.94
9,907.0	86.40	95.20	6,167.6	-148.1	4,007.4	4,010.2	2.28	-1.61	-1.61
9,970.0	86.50	95.80	6,171.5	-154.1	4,070.0	4,072.9	0.96	0.16	0.95
10,033.0	85.50	94.10	6,175.9	-159.6	4,132.6	4,135.7	3.12	-1.59	-2.70
10,063.0	84.60	93.20	6,178.5	-161.5	4,162.5	4,165.6	4.23	-3.00	-3.00
10,095.0	85.10	93.10	6,181.4	-163.2	4,194.3	4,197.5	1.59	1.56	-0.31
10,126.0	85.80	93.10	6,183.8	-164.9	4,225.1	4,228.4	2.26	2.26	0.00
10,158.0	86.80	93.30	6,185.9	-166.7	4,257.0	4,260.3	3.19	3.13	0.63
10,190.0	87.10	92.70	6,187.6	-168.3	4,288.9	4,292.2	2.09	0.94	-1.88
10,221.0	86.50	91.90	6,189.3	-169.6	4,319.9	4,323.2	3.22	-1.94	-2.58
10,285.0	87.30	91.40	6,192.8	-171.4	4,383.7	4,387.1	1.47	1.25	-0.78
10,348.0	88.50	91.60	6,195.1	-173.1	4,446.7	4,450.0	1.93	1.90	0.32
10,380.0	89.40	92.00	6,195.7	-174.1	4,478.7	4,482.0	3.08	2.81	1.25
10,411.0	89.80	92.00	6,195.9	-175.2	4,509.6	4,513.0	1.29	1.29	0.00
10,443.0	89.00	91.90	6,196.2	-176.3	4,541.6	4,545.0	2.52	-2.50	-0.31
10,475.0	88.00	91.70	6,197.1	-177.3	4,573.6	4,577.0	3.19	-3.13	-0.63
10,506.0	86.50	92.00	6,198.6	-178.3	4,604.5	4,608.0	4.93	-4.84	0.97
10,570.0	86.20	91.90	6,202.6	-180.4	4,668.4	4,671.9	0.49	-0.47	-0.16
10,629.0	87.30	93.10	6,206.0	-183.0	4,727.2	4,730.8	2.76	1.86	2.03

DDC Survey Report



Company:	Mewbourne Oil Co	Local Co-ordinate Reference:	Well Voyager 11 EH Fed Com 1H
Project:	Eddy County, New Mexico	TVD Reference:	WELL @ 3369.0usft (Patterson-UTI #46)
Site:	Sec.11,T20S,R27E	MD Reference:	WELL @ 3369.0usft (Patterson-UTI #46)
Well:	Voyager 11 EH Fed Com 1H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

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)
TD @ 10680' MD / 6208.4' TVD									
10,680.0	87.30	93.10	6,208.4	-185.8	4,778.1	4,781.7	0.00	0.00	0.00

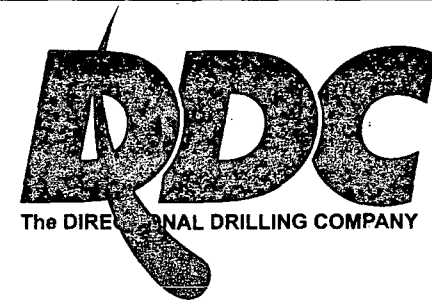
Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N-S (usft)	+E-W (usft)	
5,400.0	5,396.4	119.9	-105.6	TIE IN @ 5400' MD / 5396.4' TVD
6,044.0	5,936.5	120.7	167.3	CROSSED HARDLINE @ 6044' MD / 5936.5' TVD
10,680.0	6,208.4	-185.8	4,778.1	TD @ 10680' MD / 6208.4' TVD

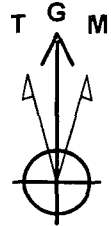
Checked By: _____	Approved By: _____	Date: _____
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Company Name: Mewbourne Oil Co
 Voyager 11 EH Fed Com 1H
 Eddy County, New Mexico
 Rig: Patterson-UTI #46
 Created By: TIFFANI MIZELL
 Date: 5/8/2013

Voyager 11 EH Fed Com 1H
 Eddy County, New Mexico
 Q120743 & WT-13286
 Design #2



Mewbourne Oil Company



Azimuths to Grid North

Magnetic North: 7.67°

Magnetic Field

Strength: 48580.2snT

Dip Angle: 60.36°

Date: 4/5/2013

Model: IGRF2010

PROJECT DETAILS: Eddy County, New Mexico

Geodetic System: US State Plane 1927 (Exact solution)
 Datum: NAD 1927 (NADCON CONUS)
 Ellipsoid: Clarke 1866
 Zone: New Mexico East 3001
 System Datum: Mean Sea Level

WELL DETAILS: Voyager 11 EH Fed Com 1H

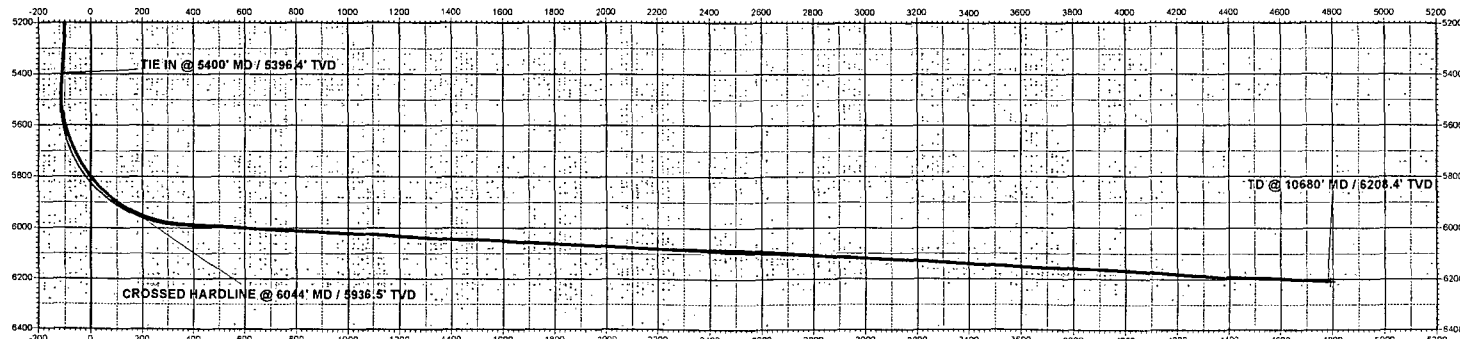
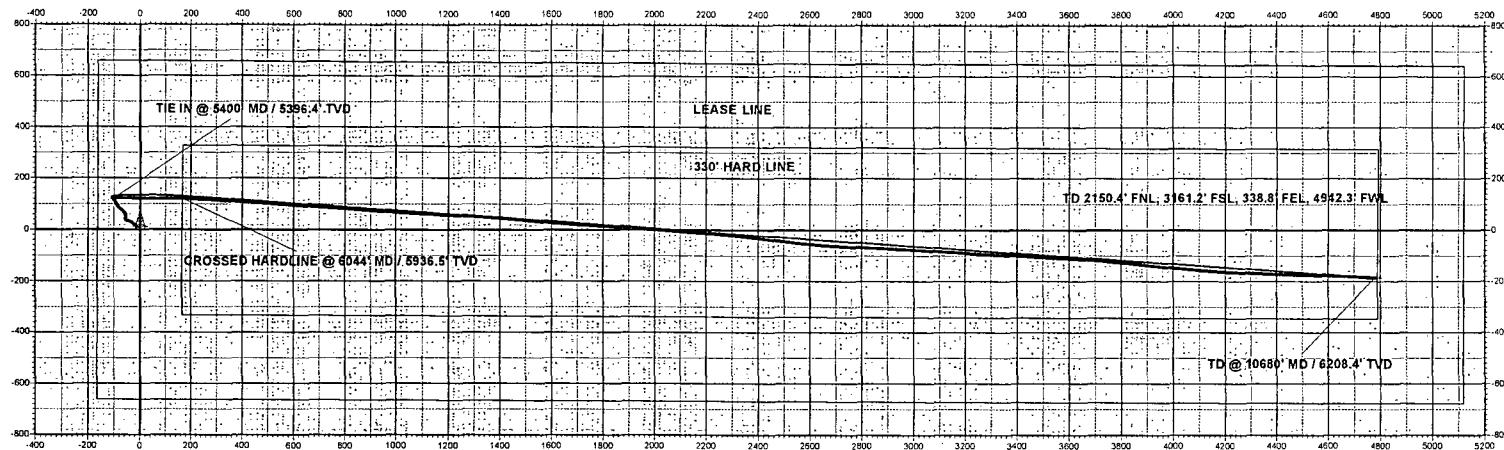
Ground Level:		3349.0
+N/-S	+E/-W	North
0.0	0.0	578255.56
		522872.95
		32° 35' 22.950 N 104° 15' 32.649 W

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	North	East	Latitude	Longitude
PBHL Voyager 11 EH Fed Com 1H Design #2	6210.0	-185.5	4786.9	578070.06	527659.85	32° 35' 21.078 N	104° 14' 36.699 W

ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Departure	Annotation
5400.0	4.73	315.30	5396.4	119.9	-105.6	-110.2	170.2	TIE IN @ 5400' MD / 5396.4' TVD
6044.0	63.72	90.93	5936.5	120.7	167.3	162.5	452.2	CROSSED HARDLINE @ 6044' MD / 5936.5' TVD
10680.0	87.30	83.10	6208.4	-185.8	4778.1	4781.7	5074.2	TD @ 10680' MD / 6208.4' TVD



Vertical Section at 92.22° (200 usf/in)

Operating Company Mewbourne
Well Name & Number voyager 11 EH Fed Com #1H
Sales Ticket Number _____

Company Rep lynn simmons
Field _____
BOT Service Rep charles mosley
District Location Odessa, Texas, USA



	Size	Weight	Grade	ID	Drift	Thread	Capacity	Length	Burst	Collapse	
Casing	7.000	26.00	P-110	6.276	6.151	LT&C	0.03826	6,275.00	9,960	6,230	
Top Liner	4.500	13.50	338000	3.920	3.795	LT&C	0.01492	4,608.82	4,525	10,680	
Bott Liner											
TVD		6,208.00		KOP		5,488.00		Open Hole	6.125	Casing Vol. (bbl)	240.1
Carry Fluid Weight (ppg)			8.75		Propan Content (ppa)				Max Drill Out Size		0

	Comm. Number	Description	Depth	Length	OD	ID	Ball Seat ID	Shear Press	Max Rate (BPM)	Displ (BBL)
Liner Top	1	JR Setting Sleeve_RH Profile	6051.00	4.03						

Zone
Length

20

19

18

17

16

	S3 Hyd Set Packer	6055.03	4.62	5.813	3.875					
	4-1/2-13.5 LTC Nipple	6059.65	5.15	5.000	3.920					
	8 Joints of 4-1/2-13.5 LTC Casing	6064.80	304.87	5.000	3.920					
20	3.625 EX Frac Sleeve	6369.67	2.40	5.750		3.525	2286	304	240	
	3 Joint of 4-1/2-13.5 LTC Casing	6372.07	113.73	5.000	3.920					
	Baker Open Hole Packer	6485.80	3.89	5.820	3.875		2154			
	2 Joints of 4-1/2-13.5 LTC Casing	6489.69	77.43	5.000	3.920					
19	3.500 EX Frac Sleeve	6567.12	2.40	5.750		3.400	2286	283	240	
	4 Joint of 4-1/2-13.5 LTC Casing	6569.52	151.21	5.000	3.920					
	Baker Open Hole Packer	6720.73	3.89	5.820	3.875		2154			
	3 Joints of 4-1/2-13.5 LTC Casing	6724.62	114.70	5.000	3.920					
18	3.375 EX Frac Sleeve	6839.32	2.40	5.750		3.275	2286	262	240	
	3 Joint of 4-1/2-13.5 LTC Casing	6841.72	112.51	5.000	3.920					
	Baker Open Hole Packer	6954.23	3.89	5.820	3.875		2154			
	2 Joints of 4-1/2-13.5 LTC Casing	6958.12	75.12	5.000	3.920					
17	3.250 EX Frac Sleeve	7033.24	2.40	5.750		3.150	2286	243	240	
	4 Joint of 4-1/2-13.5 LTC Casing	7035.64	149.03	5.000	3.920					
	Baker Open Hole Packer	7184.67	3.89	5.820	3.875		2154			
	5 Joints of 4-1/2-13.5 LTC Casing	7188.56	186.21	5.000	3.920					
16	3.125 EX Frac Sleeve	7374.77	2.40	5.750		3.025	2286	224	240	
	2 Joints of 4-1/2-13.5 LTC Casing	7377.17	76.38	5.000	3.920					
	Baker Open Hole Packer	7493.55	3.89	5.820	3.875		2154			

Operating Company Mewbourne
 Well Name & Number voyager 11 EH Fed Com #1H
 Sales Ticket Number
 Date 5/6/2013

Company Rep lynn simmons
 Field
 BOT Service Rep charles mosley
 District Location Odessa, Texas, USA



	Size	Weight	Grade	ID	Drift	Thread	Capacity	Length	Burst	Collapse	
Casing	7.000	26.00	P-110	6.276	6.151	LT&C	0.03826	6,275.00	9,960	6,230	
Top Liner	4.500	13.50	338000	3.920	3.795	LT&C	0.01492	4,608.82	4,525	10,680	
Bott Liner											
TVD		6,208.00		KOP		5,488.00		Open Hole	6.125	Casing Vol. (bbl)	240.1
Carry Fluid Weight (ppg)			8.75		Propan Content (ppa)				Max Drill Out Size		0

	Comm. Number	Description	Depth	Length	OD	ID	Ball Seat ID	Shear Press	Max Rate (BPM)	Displ (BBL)
15		3 Joints of 4-1/2-13.5 LTC Casing	7457.44	114.47	5.000	3.920				
	15	3.000 EX Frac sleeve	7571.91	2.40	5.750		2.900	2286	206	240
		2 Joint of 4-1/2-13.5 LTC Casing	7574.31	76.11	5.000	3.920				
14		Baker Open Hole Packer	7650.42	3.89	5.820	3.875		2154		
		3 Joints of 4-1/2-13.5 LTC Casing	7654.31	114.53	5.000	3.920				
	14	2.875 EX Frac Sleeve	7768.84	2.40	5.750		2.775	2286	188	240
13		3 Joints of 4-1/2-13.5 LTC Casing	7771.24	115.10	5.000	3.920				
		Baker Open Hole Packer	7886.34	3.89	5.820	3.875		2154		
		3 Joints of 4-1/2-13.5 LTC Casing	7890.23	114.04	5.000	3.920				
12	13	2.750 EX Frac Sleeve	8004.27	2.40	5.750		2.650	2286	172	240
		2 Joint of 4-1/2-13.5 LTC Casing	8006.67	76.75	5.000	3.920				
		Baker Open Hole Packer	8083.42	3.89	5.820	3.875		2154		
11		3 Joints of 4-1/2-13.5 LTC Casing	8087.31	112.73	5.000	3.920				
	12	2.625 EX Frac Sleeve	8200.04	2.40	5.750		2.525	2286	156	240
		2 Joints of 4-1/2-13.5 LTC Casing	8202.44	74.78	5.000	3.920				
10		Baker Open Hole Packer	8277.22	3.89	5.820	3.875		2154		
		3 Joints of 4-1/2-13.5 LTC Casing	8281.11	113.97	5.000	3.920				
	11	2.500 EX Frac Sleeve	8395.08	2.40	5.750		2.400	2286	141	240
9		3 Joint of 4-1/2-13.5 LTC Casing	8397.48	112.71	5.000	3.920				
		Baker Open Hole Packer	8510.19	3.89	5.820	3.875		2154		
		3 Joints of 4-1/2-13.5 LTC Casing	8514.08	114.29	5.000	3.920				
9	10	2.38 EX Frac Sleeve	8628.37	2.40	5.750		2.275	2286	127	240
		2 Joints of 4-1/2-13.5 LTC Casing	8630.77	76.96	5.000	3.920				
		Baker Open Hole Packer	8707.73	3.89	5.820	3.875		2154		
9		3 Joint of 4-1/2-13.5 LTC Casing	8711.62	111.49	5.000	3.920				
	9	2.250 EX Frac Sleeve	8823.11	2.40	5.750		2.150	2286	113	240

Operating Company Mewbourne
 Well Name & Number voyager 11 EH Fed Com #1H
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 Date 5/6/2013

Company Rep lynn simmons
 Field
 BOT Service Rep charles mosley
 District Location Odessa, Texas, USA



	Size	Weight	Grade	ID	Drift	Thread	Capacity	Length	Burst	Collapse	
Casing	7.000	26.00	P-110	6.276	6.151	LT&C	0.03826	6,275.00	9,960	6,230	
Top Liner	4.500	13.50	338000	3.920	3.795	LT&C	0.01492	4,608.82	4,525	10,680	
Bott Liner											
TVD		6,208.00		KOP		5,488.00		Open Hole	6.125	Casing Vol. (bbl)	240.1
Carry Fluid Weight (ppg)			8.75		Propan Content (ppa)				Max Drill Out Size		0

	Comm. Number	Description	Depth	Length	OD	ID	Ball Seat ID	Shear Press	Max Rate (BPM)	Displ (BBL)
8		3 Joints of 4-1/2-13.5 LTC Casing	8825.51	110.37	5.000	3.920				
		Baker Open Hole Packer	8935.89	3.89	5.820	3.875		2154		
		3 Joint of 4-1/2-13.5 LTC Casing	8939.77	112.76	5.000	3.920				
7	8	2.125 EX Frac Sleeve	9052.53	2.40	5.750		2.025	2286	100	240
		2 Joints of 4-1/2-13.5 LTC Casing	9054.93	76.40	5.000	3.920				
		Baker Open Hole Packer	9131.33	3.89	5.820	3.875		2154		
6		3 Joint of 4-1/2-13.5 LTC Casing	9135.22	114.66	5.000	3.920				
	7	2.000 EX Frac Sleeve	9249.88	2.40	5.750		1.900	2286	88	240
		3 Joints of 4-1/2-13.5 LTC Casing	9252.28	113.93	5.000	3.920				
5		Baker Open Hole Packer	9366.21	3.89	5.820	3.875		2154		
		3 Joint of 4-1/2-13.5 LTC Casing	9370.10	113.22	5.000	3.920				
	6	1.875 EX Frac Sleeve	9483.32	2.40	5.750		1.775	2286	77	240
4		3 Joints of 4-1/2-13.5 LTC Casing	9485.72	113.02	5.000	3.920				
		Baker Open Hole Packer	9598.74	3.89	5.820	3.875		2154		
		3 Joints of 4-1/2-13.5 LTC Casing	9602.63	112.82	5.000	3.920				
3	5	1.750 EX Frac Sleeve	9715.45	2.40	5.750		1.650	2286	67	240
		3 Joint of 4-1/2-13.5 LTC Casing	9717.85	115.08	5.000	3.920				
		Baker Open Hole Packer	9832.93	3.89	5.820	3.875		2154		
2		3 Joints of 4-1/2-13.5 LTC Casing	9836.82	112.63	5.000	3.920				
	4	1.625 EX Frac Sleeve	9949.45	2.40	5.750		1.525	2286	57	240
		3 Joints of 4-1/2-13.5 LTC Casing	9951.85	114.78	5.000	3.920				
1		Baker Open Hole Packer	10066.63	3.89	5.820	3.875		2154		
		3 Joints of 4-1/2-13.5 LTC Casing	10070.52	113.64	5.000	3.920				
	3	1.500 DBL Ball Frac Sleeve	10184.16	2.40	5.750		1.400	2286	48	240
		3 Joint of 4-1/2-13.5 LTC Casing	10186.56	114.61	5.000	3.920				
		Baker Open Hole Packer	10301.17	3.89	5.820	3.875		2154		

Company Rep	lynn simmons
Field	
BOT Service Rep	charles mosley
District Location	Odessa, Texas, USA

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