

30-015-41306

Mewbourne Oil Co

Eddy County, New Mexico (Nad 83)

Sec 30,T19S, R29E

Mirage 30 IL State Com #1H

Wellbore #1

Plan: Design #1

DDC Well Planning Report

23 July, 2013

NM OIL CONSERVATION
ARTESIA DISTRICT

JUL 30 2014

RECEIVED



DDC
Well Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Mirage 30 IL State Com #1H
Company:	Mewbourne Oil Co	TVD Reference:	WELL @ 3329.0usft (Patterson-UTI)
Project:	Eddy County, New Mexico (Nad 83)	MD Reference:	WELL @ 3329.0usft (Patterson-UTI)
Site:	Sec 30,T19S, R29E	North Reference:	Grid
Well:	Mirage 30 IL State Com #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project	Eddy County, New Mexico (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	Sec 30,T19S, R29E			
Site Position:		Northing:	591,334.50 usft	Latitude: 32° 37' 31.522 N
From:	Map	Easting:	611,308.60 usft	Longitude: 104° 6' 21.799 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.12 °

Well	Mirage 30 IL State Com #1H			
Well Position	+N/-S	1,849.1 usft	Northing:	593,183.60 usft
	+E/-W	-7.4 usft	Easting:	611,301.18 usft
Position Uncertainty	0.0 usft		Wellhead Elevation:	
			Ground Level:	3,309.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	7/22/2013	7.61	60.42	48,593

Design	Design #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	270.35

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
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
7,271.7	0.00	0.00	7,271.7	0.0	0.0	0.00	0.00	0.00	0.00	
8,034.7	91.56	270.35	7,749.0	3.0	-490.4	12.00	12.00	-11.75	270.35	
12,079.8	91.56	270.35	7,639.0	28.0	-4,534.0	0.00	0.00	0.00	0.00	PBHL - Mirage 30 IL

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Site:	Sec 30,T19S, R29E	North Reference:	Grid
Well:	Mirage 30 IL State Com #1H	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)
Build @ 12°/100'									
7,271.7	0.00	0.00	7,271.7	0.0	0.0	0.0	0.00	0.00	0.00
7,300.0	3.40	270.35	7,300.0	0.0	-0.8	0.8	12.00	12.00	0.00
7,400.0	15.40	270.35	7,398.5	0.1	-17.1	17.1	12.00	12.00	0.00
7,500.0	27.40	270.35	7,491.4	0.3	-53.5	53.5	12.00	12.00	0.00
7,600.0	39.40	270.35	7,574.7	0.7	-108.5	108.5	12.00	12.00	0.00
7,700.0	51.40	270.35	7,644.8	1.1	-179.6	179.6	12.00	12.00	0.00
7,800.0	63.40	270.35	7,698.6	1.6	-263.6	263.6	12.00	12.00	0.00
7,900.0	75.40	270.35	7,733.7	2.2	-357.1	357.1	12.00	12.00	0.00
8,000.0	87.40	270.35	7,748.7	2.8	-455.8	455.8	12.00	12.00	0.00
EOB @ 91.56° Inc / 270.35° Azm / 7749' TVD									
8,034.7	91.56	270.35	7,749.0	3.0	-490.4	490.4	12.00	12.00	0.00
8,100.0	91.56	270.35	7,747.2	3.4	-555.7	555.7	0.00	0.00	0.00
8,200.0	91.56	270.35	7,744.5	4.1	-655.7	655.7	0.00	0.00	0.00
8,300.0	91.56	270.35	7,741.8	4.7	-755.7	755.7	0.00	0.00	0.00
8,400.0	91.56	270.35	7,739.1	5.3	-855.6	855.6	0.00	0.00	0.00
8,500.0	91.56	270.35	7,736.3	5.9	-955.6	955.6	0.00	0.00	0.00
8,600.0	91.56	270.35	7,733.6	6.5	-1,055.5	1,055.6	0.00	0.00	0.00
8,700.0	91.56	270.35	7,730.9	7.1	-1,155.5	1,155.5	0.00	0.00	0.00
8,800.0	91.56	270.35	7,728.2	7.8	-1,255.5	1,255.5	0.00	0.00	0.00
8,900.0	91.56	270.35	7,725.5	8.4	-1,355.4	1,355.4	0.00	0.00	0.00
9,000.0	91.56	270.35	7,722.7	9.0	-1,455.4	1,455.4	0.00	0.00	0.00
9,100.0	91.56	270.35	7,720.0	9.6	-1,555.3	1,555.4	0.00	0.00	0.00
9,200.0	91.56	270.35	7,717.3	10.2	-1,655.3	1,655.3	0.00	0.00	0.00
9,300.0	91.56	270.35	7,714.6	10.8	-1,755.3	1,755.3	0.00	0.00	0.00
9,400.0	91.56	270.35	7,711.9	11.5	-1,855.2	1,855.3	0.00	0.00	0.00
9,500.0	91.56	270.35	7,709.1	12.1	-1,955.2	1,955.2	0.00	0.00	0.00
9,600.0	91.56	270.35	7,706.4	12.7	-2,055.1	2,055.2	0.00	0.00	0.00
9,700.0	91.56	270.35	7,703.7	13.3	-2,155.1	2,155.1	0.00	0.00	0.00
9,800.0	91.56	270.35	7,701.0	13.9	-2,255.1	2,255.1	0.00	0.00	0.00
9,900.0	91.56	270.35	7,698.3	14.5	-2,355.0	2,355.1	0.00	0.00	0.00
10,000.0	91.56	270.35	7,695.6	15.2	-2,455.0	2,455.0	0.00	0.00	0.00
10,100.0	91.56	270.35	7,692.8	15.8	-2,555.0	2,555.0	0.00	0.00	0.00
10,200.0	91.56	270.35	7,690.1	16.4	-2,654.9	2,655.0	0.00	0.00	0.00
10,300.0	91.56	270.35	7,687.4	17.0	-2,754.9	2,754.9	0.00	0.00	0.00
10,400.0	91.56	270.35	7,684.7	17.6	-2,854.8	2,854.9	0.00	0.00	0.00
10,500.0	91.56	270.35	7,682.0	18.3	-2,954.8	2,954.9	0.00	0.00	0.00
10,600.0	91.56	270.35	7,679.2	18.9	-3,054.8	3,054.8	0.00	0.00	0.00
10,700.0	91.56	270.35	7,676.5	19.5	-3,154.7	3,154.8	0.00	0.00	0.00
10,800.0	91.56	270.35	7,673.8	20.1	-3,254.7	3,254.7	0.00	0.00	0.00
10,900.0	91.56	270.35	7,671.1	20.7	-3,354.6	3,354.7	0.00	0.00	0.00
11,000.0	91.56	270.35	7,668.4	21.3	-3,454.6	3,454.7	0.00	0.00	0.00
11,100.0	91.56	270.35	7,665.6	22.0	-3,554.6	3,554.6	0.00	0.00	0.00
11,200.0	91.56	270.35	7,662.9	22.6	-3,654.5	3,654.6	0.00	0.00	0.00
11,300.0	91.56	270.35	7,660.2	23.2	-3,754.5	3,754.6	0.00	0.00	0.00
11,400.0	91.56	270.35	7,657.5	23.8	-3,854.4	3,854.5	0.00	0.00	0.00
11,500.0	91.56	270.35	7,654.8	24.4	-3,954.4	3,954.5	0.00	0.00	0.00
11,600.0	91.56	270.35	7,652.0	25.0	-4,054.4	4,054.4	0.00	0.00	0.00
11,700.0	91.56	270.35	7,649.3	25.7	-4,154.3	4,154.4	0.00	0.00	0.00
11,800.0	91.56	270.35	7,646.6	26.3	-4,254.3	4,254.4	0.00	0.00	0.00
11,900.0	91.56	270.35	7,643.9	26.9	-4,354.3	4,354.3	0.00	0.00	0.00
12,000.0	91.56	270.35	7,641.2	27.5	-4,454.2	4,454.3	0.00	0.00	0.00
TD @ 12080' MD / 7639' TVD									

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Well:	Mirage 30 IL State Com #1H	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)
12,079.8	91.56	270.35	7,639.0	28.0	-4,534.0	4,534.1	0.00	0.00	0.00

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									
PBHL - Mirage 30 IL Sta	0.00	0.00	7,639.0	28.0	-4,534.0	593,211.60	606,767.17	32° 37' 50.190 N	104° 7' 14.860 W
- plan hits target center									
- Point									

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
7,271.7	7,271.7	0.0	0.0	Build @ 12°/100'
8,034.7	7,749.0	3.0	-490.4	EOB @ 91.56° Inc / 270.35° Azm / 7749' TVD
12,079.8	7,639.0	28.0	-4,534.0	TD @ 12080' MD / 7639' TVD

Operating Company Mewbourne Oil Co.
 Well Name & Number IRAGE 30 IL STATE COM 11
 Sales Ticket Number 6452904
 0.17 6/12/2014

Company Rep GEORGE BERRYMAN
 Field 0
 BOT Service Rep MIKE MARTINEZ
 District Location Odessa, TX

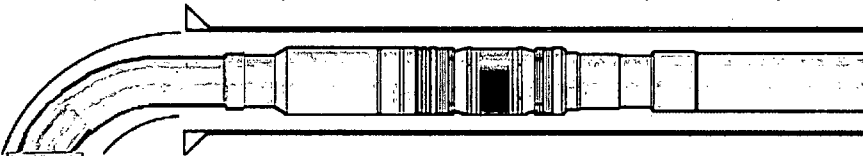


	Size	Weight	Grade	ID	Drift	Thread	Capacity	Length	Burst	Collapse
Casing	7.000	26.00	80000	6.276	6.151	0	0.03826	7,997.00	7,240	5,410
Top Liner	4.500	13.50	55000	4.000	3.875	LTC / 8RD	0.01554	4,167.53	5,350	4,960
Bott Liner	0.000	0.00	0	0.000	0.000	0	0.00000	-	-	-

TVD	7649.00	KOP	7195.00	Open Hole	6.125	Casing Vol. (bbl)	297.6
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Carry Fluid Weight (ppg)	8.4	Propan Content (ppa)		Max Drill Out Size	0
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	Comm. Number	Description	Depth	Length	OD	ID	Ball Seat ID	Shear Press.	Max Rate (BPM)	Displ. (BBL)
Liner Top	1	10292414	JR slv with 4.750 ALT seal bore ID	7777.47	4.00	5.750	3.938			



Zone Length	H409400008	S-3 CASING HANGER	7781.47	4.64	5.875	3.875		1670		
	H299900281	COMBO COLLAR LT&C	7786.11	0.57	5.000	3.938				
	H299710014	SPACER NIPPLE LT&C	7786.68	7.48	4.500	3.938				
Zone 20		6 Joints of 4-1/2-13.5 LTC Casing	7794.16	288.15	4.500	3.920				
382.6	H810090200	3.500 Express Frac Slv zone 20	8082.31	2.40	5.630		3.448	2286		
		2 Joints of 4-1/2-13.5 LTC Casing	8084.71	83.95	4.500	3.920				
	H409360008	Baker Open Hole Packer 19	8168.66	3.89	5.820	3.875		2154		
Zone 19		2 Joints of 4-1/2-13.5 LTC Casing	8172.55	84.45	4.500	3.920				
213.2	H810090199	3.438 Express Frac Sleeve zone 19	8257.00	2.40	5.630		3.385	2286		
		3 Joints of 4-1/2-13.5 LTC Casing	8259.40	126.37	4.500	3.920				
	H409360008	Baker Open Hole Packer 18	8385.77	3.89	5.820	3.875		2154		
Zone 18		2 Joints of 4-1/2-13.5 LTC Casing	8389.66	85.25	4.500	3.920				
214.7	H810090198	3.375 Express Frac Sleeve zone 18	8474.91	2.40	5.630		3.323	2286		
		3 Joints of 4-1/2-13.5 LTC Casing	8477.31	127.05	4.500	3.920				
	H409360008	Baker Open Hole Packer 17	8604.36	3.89	5.820	3.875		2154		
zone 17		3 Joints of 4-1/2-13.5 LTC Casing	8608.25	83.42	4.500	3.920				
170.4	H810090197	3.313 Express Frac Sleeve zone 17	8691.67	2.40	5.630		3.260	2286		
		2 Joints of 4-1/2-13.5 LTC Casing	8694.07	84.61	4.500	3.920				
	H409360008	Baker Open Hole Packer 16	8778.68	3.89	5.820	3.875		2154		
Zone 16		2 Joints of 4-1/2-13.5 LTC Casing	8782.57	79.18	4.500	3.920				
206.6	H810090196	3.250 Express Frac Sleeve zone 16	8861.75	2.40	5.630		3.198	2286		
		3 Joints of 4-1/2-13.5 LTC Casing	8864.15	125.00	4.500	3.920				

Operating Company Mewbourne Oil Co.
 Well Name & Number IRAGE 30 IL STATE COM 11
 Sales Ticket Number 6452904
 0.17 6/12/2014

Company Rep GEORGE BERRYMAN
 Field 0
 BOT Service Rep MIKE MARTINEZ
 District Location Odessa, TX



	Size	Weight	Grade	ID	Drift	Thread	Capacity	Length	Burst	Collapse
Casing	7.000	26.00	80000	6.276	6.151	0	0.03826	7,997.00	7,240	5,410
Top Liner	4.500	13.50	55000	4.000	3.875	LTC / 8RD	0.01554	4,167.53	5,350	4,960
Bott Liner	0.000	0.00	0	0.000	0.000	0	0.00000	-	-	-
TVD		7649.00	KOP		7195.00	Open Hole		6.125	Casing Vol. (bbl)	297.6
Carry Fluid Weight (ppg)		8.4	Propant Content (ppa)					Max Drill Out Size		0

	Comm. Number	Description	Depth	Length	OD	ID	Ball Seat ID	Shear Press.	Max Rate (BPM)	Displ. (BBL)
Zone 15 208.1	H409360008	Baker Open Hole Packer 15	8989.15	3.89	5.820	3.875		2154		
		2 Joints of 4-1/2-13.5 LTC Casing	8993.04	82.18	4.500	3.920				
	H810090195	3.188 Express Frac sleeve zone 15	9075.22	2.40	5.630		3.135	2286		
Zone 14 209		3 Joints of 4-1/2-13.5 LTC Casing	9077.62	123.55	4.500	3.920				
	H409360008	Baker Open Hole Packer 14	9201.17	3.89	5.820	3.875		2154		
		2 Joints of 4-1/2-13.5 LTC Casing	9205.06	81.71	4.500	3.920				
Zone 13 169	H810090194	3.125 Express Frac Sleeve zone 14	9286.77	2.40	5.630		3.073	2286		
		3 Joints of 4-1/2-13.5 LTC Casing	9289.17	124.88	4.500	3.920				
	H409360008	Baker Open Hole Packer 13	9414.05	3.89	5.820	3.875		2154		
Zone 12 207.7		2 Joints of 4-1/2-13.5 LTC Casing	9417.94	84.00	4.500	3.920				
	H810090193	3.063 Express Frac Sleeve zone 13	9501.94	2.40	5.630		3.010	2286		
		2 Joints of 4-1/2-13.5 LTC Casing	9504.34	82.67	4.500	3.920				
Zone 11 212.6	H409360008	Baker Open Hole Packer 12	9587.01	3.89	5.820	3.875		2154		
		2 Joints of 4-1/2-13.5 LTC Casing	9590.90	81.78	4.500	3.920				
	H810090192	3.000 Express Frac Sleeve zone 12	9672.68	2.40	5.630		2.948	2286		
Zone 10 207.3		3 Joints of 4-1/2-13.5 LTC Casing	9675.08	123.50	4.500	3.920				
	H409360008	Baker Open Hole Packer 11	9798.58	3.89	5.820	3.875		2154		
		2 Joints of 4-1/2-13.5 LTC Casing	9802.47	83.69	4.500	3.920				
Zone 9	H810090191	2.938 Express Frac Sleeve zone 11	9886.16	2.40	5.630		2.885	2286		
		3 Joints of 4-1/2-13.5 LTC Casing	9888.56	126.51	4.500	3.920				
	H409360008	Baker Open Hole Packer 10	10015.07	3.89	5.820	3.875		2154		
		2 Joints of 4-1/2-13.5 LTC Casing	10018.96	83.90	4.500	3.920				
	H810090190	2.875 Express Frac Sleeve zone 10	10102.86	2.40	5.630		2.823	2286		
		3 Joints of 4-1/2-13.5 LTC Casing	10105.26	120.99	4.500	3.920				
	H409360008	Baker Open Hole Packer 9	10226.25	3.89	5.820	3.875		2154		
		2 Joints of 4-1/2-13.5 LTC Casing	10230.14	85.17	4.500	3.920				

Operating Company Mewbourne Oil Co.
 Well Name & Number AIRAGE 30 IL STATE COM 11
 Sales Ticket Number 6452904
 0.17 6/12/2014

Company Rep GEORGE BERRYMAN
 Field 0
 BOT Service Rep MIKE MARTINEZ
 District Location Odessa, TX



	Size	Weight	Grade	ID	Drift	Thread	Capacity	Length	Burst	Collapse	
Casing	7.000	26.00	80000	6.276	6.151	0	0.03826	7,997.00	7,240	5,410	
Top Liner	4.500	13.50	55000	4.000	3.875	LTC / 8RD	0.01554	4,167.53	5,350	4,960	
Bott Liner	0.000	0.00	0	0.000	0.000	0	0.00000	-	-	-	
TVD		7649.00		KOP		7195.00		Open Hole	6.125	Casing Vol. (bbl)	297.6
Carry Fluid Weight (ppg)			8.4		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)
170	H810090189	2.813 Express Frac Sleeve zone 9	10315.31	2.40	5.630		2.760	2286		
		2 Joints of 4-1/2-13.5 LTC Casing	10317.71	82.47	4.500	3.920				
	H409360008	Baker Open Hole Packer 8	10400.18	3.89	5.820	3.875		2154		
Zone 8		2 Joints of 4-1/2-13.5 LTC Casing	10404.07	84.92	4.500	3.920				
215.1	H810090188	2.750 Express Frac Sleeve zone 8	10488.99	2.40	5.630		2.698	2286		
		3 Joints of 4-1/2-13.5 LTC Casing	10491.39	127.78	4.500	3.920				
	H409360008	Baker Open Hole Packer 7	10619.17	3.89	5.820	3.875		2154		
Zone 7		2 Joints of 4-1/2-13.5 LTC Casing	10623.06	83.89	4.500	3.920				
209.9	H810090187	2.688 Express Frac Sleeve zone 7	10706.95	2.40	5.630		2.635	2286		
		3 Joints of 4-1/2-13.5 LTC Casing	10709.35	123.63	4.500	3.920				
	H409360008	Baker Open Hole Packer 6	10832.98	3.89	5.820	3.875		2154		
Zone 6		2 Joints of 4-1/2-13.5 LTC Casing	10836.87	81.21	4.500	3.920				
167.6	H810090186	2.625 Express Frac Sleeve zone 6	10918.08	2.40	5.630		2.573	2286		
		2 Joints of 4-1/2-13.5 LTC Casing	10920.48	83.95	4.500	3.920				
	H409360008	Baker Open Hole Packer 5	11004.43	3.89	5.820	3.875		2154		
Zone 5		2 Joints of 4-1/2-13.5 LTC Casing	11008.32	85.20	4.500	3.920				
214.8	H810090185	2.563 Express Frac Sleeve zone 5	11093.52	2.40	5.630		2.510	2286		
		3 Joints of 4-1/2-13.5 LTC Casing	11095.92	127.20	4.500	3.920				
	H409360008	Baker Open Hole Packer 4	11223.12	3.89	5.820	3.875		2154		
Zone 4		2 Joints of 4-1/2-13.5 LTC Casing	11227.01	83.62	4.500	3.920				
210.2	H810090184	2.500 Express Frac Sleeve zone 4	11310.63	2.40	5.630		2.448	2286		
		3 Joints of 4-1/2-13.5 LTC Casing	11313.03	124.13	4.500	3.920				
	H409360008	Baker Open Hole Packer 3	11437.16	3.89	5.820	3.875		2154		
ZONE 3		2 Joints of 4-1/2-13.5 LTC Casing	11441.05	84.55	4.500	3.920				

Company Rep	GEORGE BERRYMAN
Field	0
BOT Service Rep	MIKE MARTINEZ
District Location	Odessa, TX



	Size	Weight	Grade	ID	Drift	Thread	Capacity	Length	Burst	Collapse
Casing	7.000	26.00	80000	6.276	6.151	0	0.03826	7,997.00	7,240	5,410
Top Liner	4.500	13.50	55000	4.000	3.875	LTC / 8RD	0.01554	4,167.53	5,350	4,960
Bott Liner	0.000	0.00	0	0.000	0.000	0	0.00000	-	-	-
TVD		7649.00	KOP		7195.00	Open Hole		6.125	Casing Vol. (bbl)	297.6
Carry Fluid Weight (ppg)			8.4	Propant Content (ppa)				Max Drill Out Size		0

[illegible]

Company Name: Mewbourne Oil Co
 Mirage 30 IL State Com #1H
 Eddy County, New Mexico (Nad 83)
 Rig: Patterson-UTI
 Created By: Kris Ray
 Date: 06/13/2014

Mirage 30 IL State Com #1H
 Eddy County, New Mexico (Nad 83)
Q130640 & WT-140520
 Design #2 - Tie into Gyro

PROJECT DETAILS: Eddy County, New Mexico (Nad 83)

Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: New Mexico Eastern Zone
 System Datum: Mean Sea Level

WELL DETAILS: Mirage 30 IL State Com #1H

Ground Level: 3309.0
 +N/-S +E/-W Northing Easting Latitude Longitude
 0.0 0.0 593183.59 611301.17 32° 37' 49.820 N 104° 6' 21.840 W



Azimuths to Grid North

Magnetic North: 7.38°

Magnetic Field
 Strength: 48507.2snT
 Dip Angle: 60.40°
 Date: 5/31/2014
 Model: IGRF2010

Mewbourne Oil Company

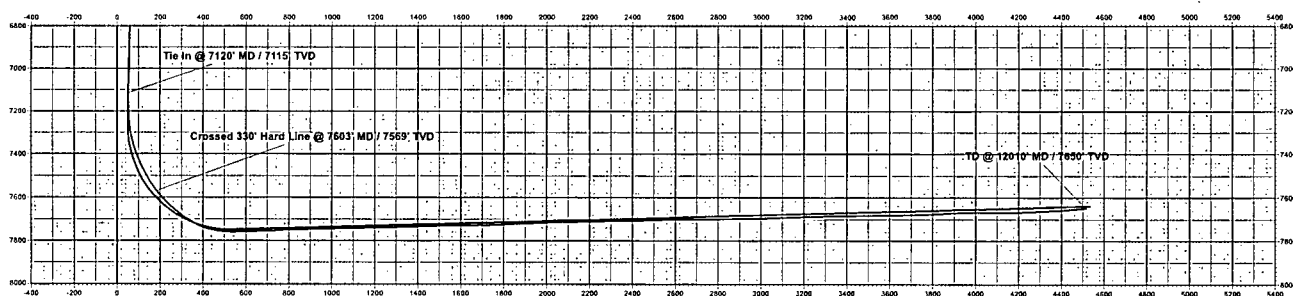
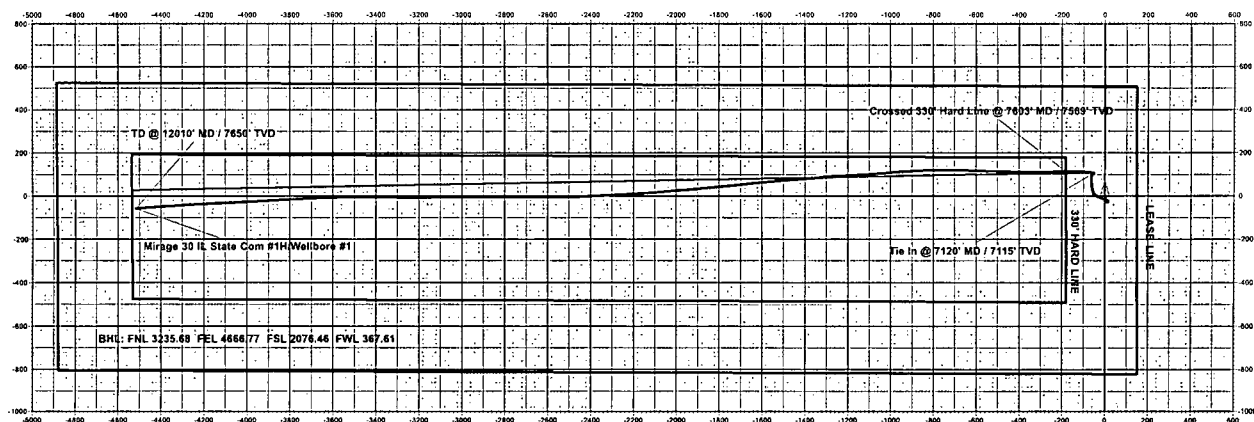


DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
PBHL - Mirage 30 IL State Com #1H - plan hits target center	7639.0	28.0	-4534.0	593211.60	606767.17	32° 37' 50.190 N	104° 7' 14.860 W

ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Departure	Annotation
7120.0	0.77	87.15	7115.2	107.2	-51.2	51.8	216.8	Tie In @ 7120' MD / 7115' TVD
7603.0	38.09	271.40	7568.9	113.7	-181.8	182.5	348.9	Crossed 330' Hard Line @ 7603' MD / 7569' TVD
12010.0	94.20	265.80	7649.7	-57.0	-4516.6	4516.2	4690.5	TD @ 12010' MD / 7650' TVD



Vertical Section at 270.35° (200 usf/in)