



GREAT WESTERN DRILLING COMPANY

Post Office Box 1659 • Midland, Texas 79702 • 432/682-5241

New Mexico Oil Conservation Division
1301 West Grand Avenue
Artesia, New Mexico 88210

RECEIVED

JUN 29 2005

OCU-ARTESIA

Subject: Burnett Oil "24" Federal Com #1 Directional Drilling Plan

30-015-34159

Gentlemen,

As per your request, the directional drilling plan for the Burnett Oil "24" Federal Com #1 is attached for your review. As shown in the application for permit to drill, the surface location will be 1330' FEL & 660' FNL, SEC. 24, T17S-R30E, Eddy County, New Mexico. The bottom hole location will be 660' FEL & 660' FNL, Sec. 24, T17S-R30E, Eddy County, New Mexico. The attached plots show aerial view as well as a side view of the proposed wellbore.

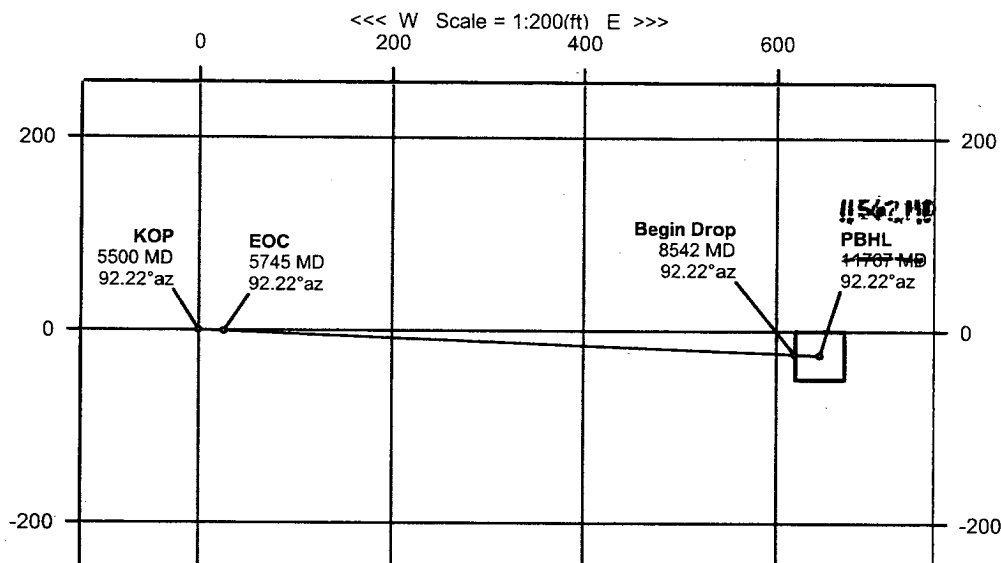
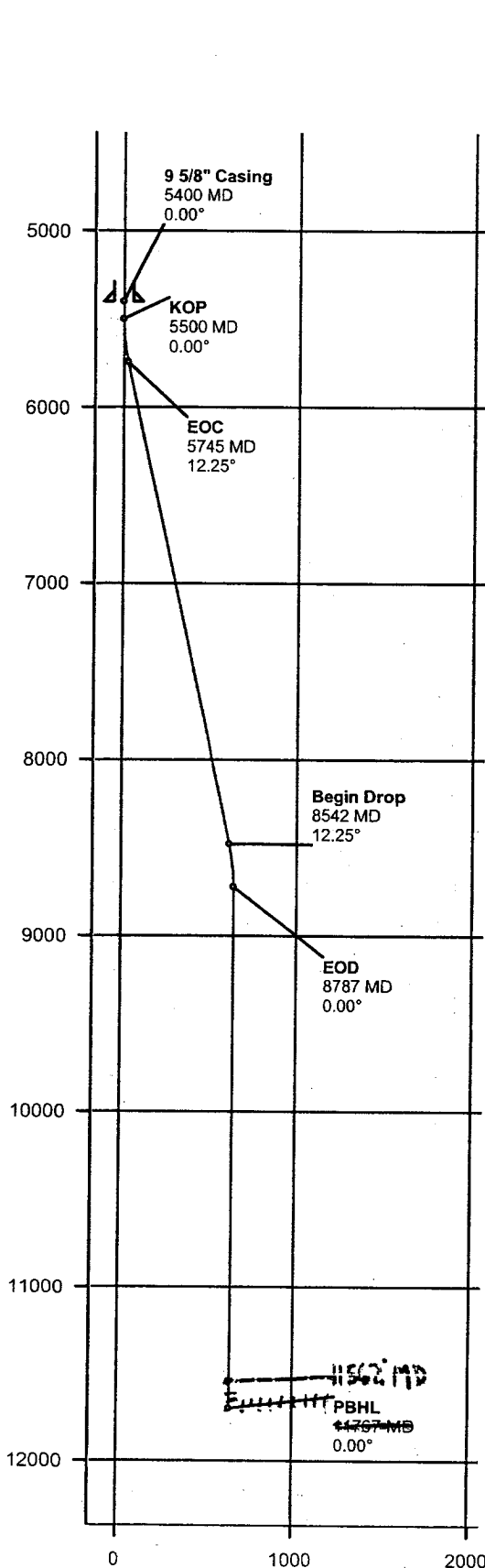
Please call me at the letterhead address if you have any further questions or need any further information.

Sincerely,

Cary N. Billingsley
Cary N. Billingsley
Consulting Engineer

Great Western Drilling Co.

WELL	GW #1	FIELD	Eddy County, NM	STRUCTURE	GW #1
Magnetic Parameters Model: IGRF 2005		Surface Location Lat: N32 27 58.536 Lon: W104 17 54.240		Miscellaneous Slot: GW #1 Plan: GW #1 .r5	
Dip: 60.431° Mag Dec: +8.660°		Date: March 29, 2005 FS: 49337.0 nT		NAD27 New Mexico State Planes, Eastern Zone, US Feet Northing: 53340.44 ftUS Easting: 510773.99 ftUS Grid Conv: +0.01875231° Scale Fact: 0.9999052238	
				TVD Ref: RKB (0.00 ft above) Srvy Date: Tue 01:00 PM March 29, 2005	



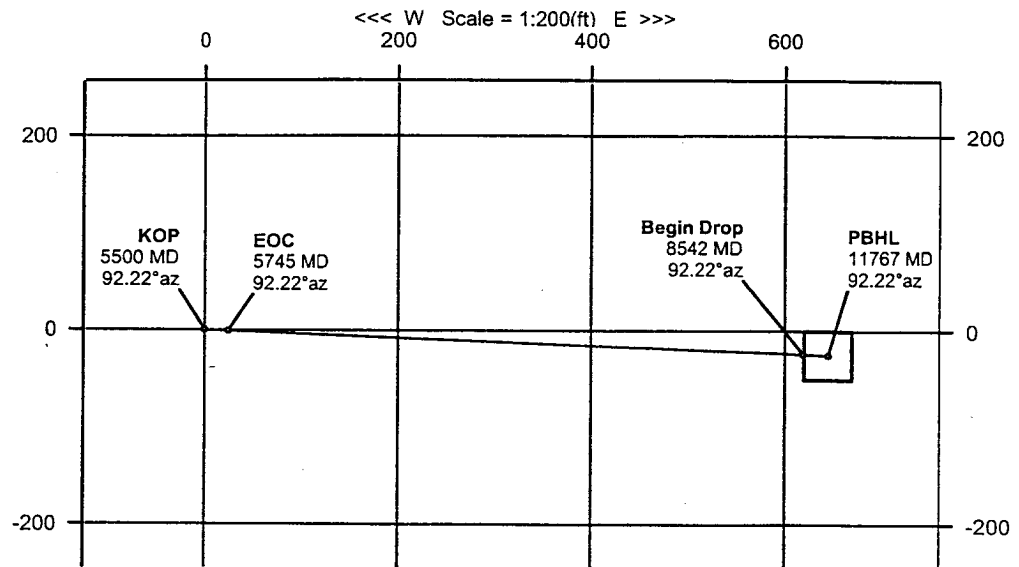
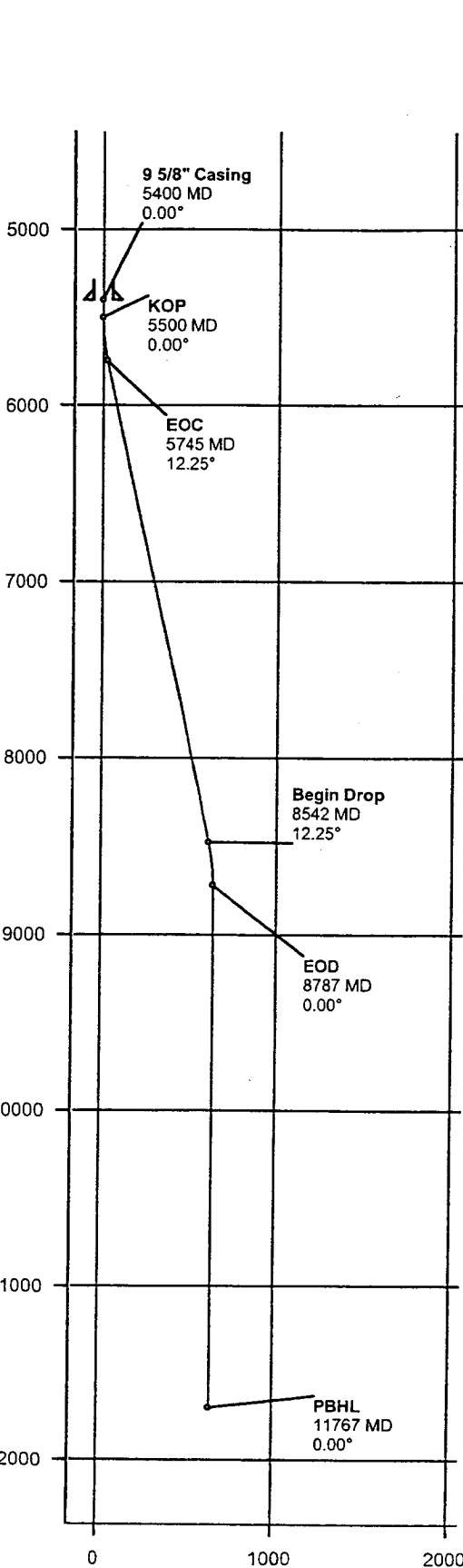
Critical Points								
Critical Point	MD	INCL	AZIM	TVD	YSEC	N(+) / S(-)	E(+) / W(-)	DLS
Tie-In	0.00	0.00	92.22	0.00	0.00	0.00	0.00	0.00
9 5/8" Casing	5400.00	0.00	92.22	5400.00	0.00	0.00	0.00	0.00
KOP	5500.00	0.00	92.22	5500.00	0.00	0.00	0.00	0.00
EOC	5744.90	12.25	92.22	5743.04	26.05	-1.01	26.05	5.00
Begin Drop	8542.47	12.25	92.22	8476.96	618.88	-23.99	618.95	0.00
EOD	8787.37	0.00	92.22	8720.00	644.92	-25.00	645.00	5.00
PBHL	11767.37	0.00	92.22	11700.00	644.92	-25.00	645.00	0.00

INTREPID
Directional Drilling Specialists



Great Western Drilling Co.

WELL	GW #1	FIELD	Eddy County, NM	STRUCTURE	GW #1
Magnetic Parameters Model: KRF 2005	Dip: 60.431° Mag Dec: +5.650°	Date: March 29, 2005 FS: 49337.0 nT	Surface Location Lat: N32 27 58.536 Lon: W104 17 54.240	NAD27 New Mexico State Planes, Eastern Zone, US Feet Northing: 533340.44 ftUS Easting: 510773.99 ftUS Scale Fact: 0.9999092238	Miscellaneous Slot: GW #1 Plan: GW #1 -5 TVD Ref: RKB (0.00 ft above) Srv Date: Tue 01:00 PM March 29, 2005



Critical Points								
Critical Point	MD	INCL	AZIM	TYD	VSEC	N(±) / S(±)	E(±) / W(±)	DLS
Tie-In	0.00	0.00	92.22	0.00	0.00	0.00	0.00	0.00
9 5/8\" Casing	5400.00	0.00	92.22	5400.00	0.00	0.00	0.00	0.00
KOP	5500.00	0.00	92.22	5500.00	0.00	0.00	0.00	0.00
EOC	5744.90	12.25	92.22	5743.04	26.05	-1.01	26.05	5.00
Begin Drop	8542.47	12.25	92.22	8476.96	618.88	-23.99	618.95	0.00
EOD	8787.37	0.00	92.22	8720.00	644.92	-25.00	645.00	5.00
PBHL	11767.37	0.00	92.22	11700.00	644.92	-25.00	645.00	0.00

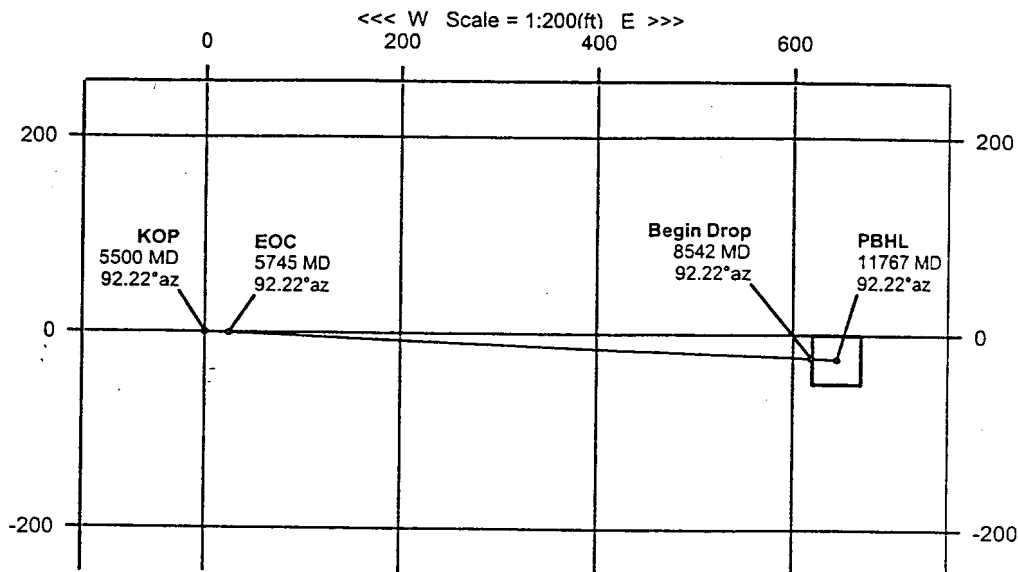
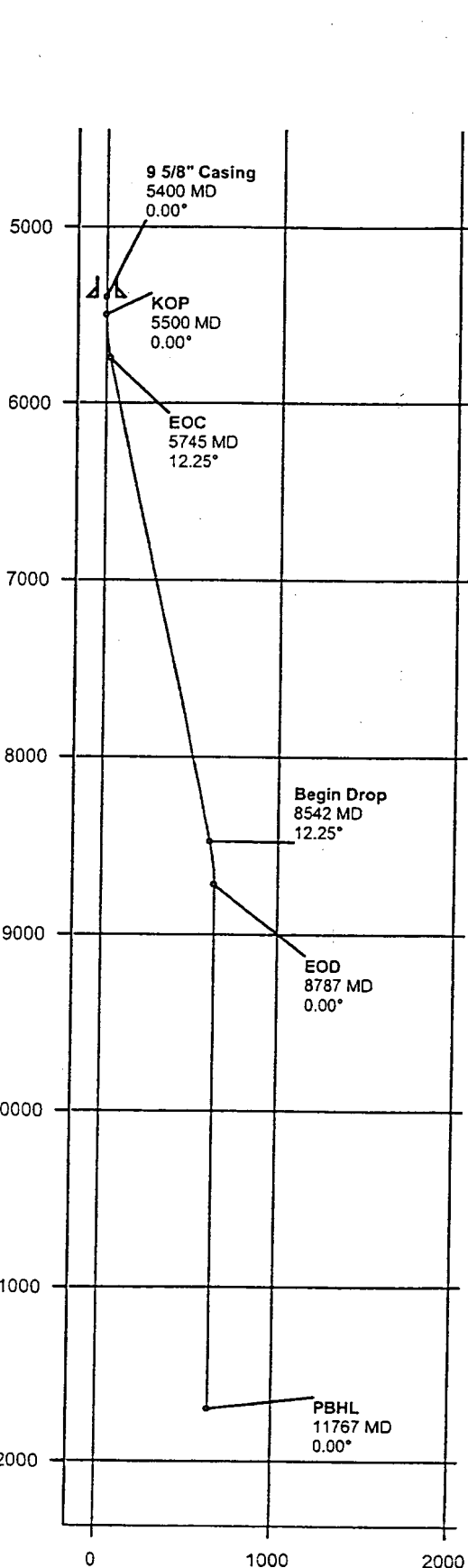
INTREPID
Directional Drilling Specialists



Departure (ft) Azim = 94.61°, Scale = 1:1000 Origin = 0 N/-S, 0 E/-W

Great Western Drilling Co.

WELL	GW #1	FIELD	Eddy County, NM	STRUCTURE	GW #1
Magnetic Parameters Model: IGRF 2005	Dip: 80.431° Mag Dec: +8.66°	Date: March 29, 2005 PS: 49337.0 nT	Surface Location Lat: N32 27 58.536 Long: W104 17 54.240	NAD27 New Mexico State Plane, Eastern Zone, US Feet Northing: 833540.44 RUS Easting: 810773.99 RUS Grid Conv: +0.01875231° Scale Fact: 0.9999092238	Miscellaneous Soc: GW #1 Plan: GW #1_r5 TVD Ref: RKB (0.00 ft above) Srv Date: Tue 01:00 PM March 29, 2005



Critical Points								
Critical Point	MD	INCL	AZIM	TVD	YSEC	N(=)/S(=)	E(=)/W(=)	DLS
Tie-In	0.00	0.00	92.22	0.00	0.00	0.00	0.00	0.00
9 5/8\" Casing	5400.00	0.00	92.22	5400.00	0.00	0.00	0.00	0.00
KOP	5500.00	0.00	92.22	5500.00	0.00	0.00	0.00	0.00
EOC	5744.90	12.25	92.22	5743.04	26.05	-1.01	26.05	5.00
Begin Drop	8542.47	12.25	92.22	8476.96	618.88	-23.99	618.95	0.00
EOD	8787.37	0.00	92.22	8720.00	644.92	-25.00	645.00	5.00
PBHL	11767.37	0.00	92.22	11700.00	644.92	-25.00	645.00	0.00

INTREPID
Directional Drilling Specialists



Departure (ft) Azim = 94.61°, Scale = 1:1000 Origin = 0 N/-S, 0 E/-W

Proposal



Report Date: May 3, 2005 Client: Great Western Drilling Co. Field: Eddy County, NM Structure / Slot: GW #1 / GW #1 Well: GW #1 Borehole: GW #1 UWI/API#: Survey Name / Date: GW #1_r5 / March 29, 2005 Tort / AHD / DDI / ERD ratio: 24.490° / 645.48 ft / 4.201 / 0.055 Grid Coordinate System: NAD27 New Mexico State Planes, Eastern Zone, US Feet Location Lat/Long: N 32 27 58.536, W 104 17 54.240 Location Grid N/E Y/D: N 533340.441 RUS, E 510773.991 RUS Grid Convergence Angle: +0.01875231° Grid Scale Factor: 0.99990922	Survey / DLS Computation Method: Minimum Curvature / Lubinski Vertical Section Azimuth: 94.610° Vertical Section Origin: N 0.000 ft, E 0.000 ft TVD Reference Datum: RKB TVD Reference Elevation: 0.0 ft relative to Sea Bed / Ground Level Elevation: 0.000 ft relative to Magnetic Declination: 8.660° Total Field Strength: 49337.040 nT Magnetic Dip: 60.431° Declination Date: March 29, 2005 Magnetic Declination Model: IGRF 2005 North Reference: Grid North Total Corr Mag North -> Grid North: +8.641° Local Coordinates Referenced To: Well Head
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Comments	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (deg)	DLS (deg/100 ft)	Tool Face (deg)
Tie-In	0.00	0.00	92.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.22M
9 5/8" Casing	5400.00	0.00	92.22	5400.00	0.00	0.00	0.00	0.00	0.00	0.00	92.22M
KOP	5500.00	0.00	92.22	5500.00	0.00	0.00	0.00	0.00	0.00	0.00	92.22M
	5600.00	5.00	92.22	5599.87	4.36	-0.17	4.36	4.36	92.22	5.00	92.22M
	5700.00	10.00	92.22	5698.99	17.39	-0.67	17.40	17.41	92.22	5.00	0.00G
EOC	5744.90	12.25	92.22	5743.04	26.05	-1.01	26.05	26.07	92.22	5.00	0.00G
Begin Drop	8542.47	12.25	92.22	8476.96	618.88	-23.99	618.95	619.41	92.22	0.00	180.00G
	8600.00	9.37	92.22	8533.47	629.65	-24.41	629.73	630.20	92.22	5.00	180.00G
	8700.00	4.37	92.22	8632.72	641.60	-24.87	641.67	642.16	92.22	5.00	92.22M
EOD	8787.37	0.00	92.22	8720.00	644.92	-25.00	645.00	645.48	92.22	5.00	92.22M
PBHL	11767.37	0.00	92.22	11700.00	644.92	-25.00	645.00	645.48	92.22	0.00	0.00M

Proposal



Report Date: May 3, 2005	Survey / DLS Computation Method: Minimum Curvature / Lubinski
Client: Great Western Drilling Co.	Vertical Section Azimuth: 94.610°
Field: Eddy County, NM	Vertical Section Origin: N 0.000 ft, E 0.000 ft
Structure / Slot: GW #1 / GW #1	TVD Reference Datum: RKB
Well: GW #1	TVD Reference Elevation: 0.0 ft relative to
Borehole: GW #1	Sea Bed / Ground Level Elevation: 0.000 ft relative to
UWI/API#:	Magnetic Declination: 8.660°
Survey Name / Date: GW #1_r5 / March 29, 2005	Total Field Strength: 49337.040 nT
Tort / AHD / DDI / ERD ratio: 24.490° / 645.48 ft / 4.201 / 0.055	Magnetic Dip: 60.431°
Grid Coordinate System: NAD27 New Mexico State Planes, Eastern Zone, US Feet	Declination Date: March 29, 2005
Location Lat/Long: N 32 27 58.536, W 104 17 54.240	Magnetic Declination Model: IGRF 2005
Location Grid N/E Y/X: N 533340.441 ftUS, E 510773.991 ftUS	North Reference: Grid North
Grid Convergence Angle: +0.01875231°	Total Corr Mag North -> Grid North: +8.641°
Grid Scale Factor: 0.99990922	Local Coordinates Referenced To: Well Head

Comments	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (deg)	DLS (deg/100 ft)	Tool Face (deg)
Tie-In	0.00	0.00	92.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.22M
9 5/8" Casing	5400.00	0.00	92.22	5400.00	0.00	0.00	0.00	0.00	0.00	0.00	92.22M
KOP	5500.00	0.00	92.22	5500.00	0.00	0.00	0.00	0.00	0.00	0.00	92.22M
	5600.00	5.00	92.22	5599.87	4.36	-0.17	4.36	4.36	92.22	5.00	92.22M
	5700.00	10.00	92.22	5698.99	17.39	-0.67	17.40	17.41	92.22	5.00	0.00G
EOC	5744.90	12.25	92.22	5743.04	26.05	-1.01	26.05	26.07	92.22	5.00	0.00G
Begin Drop	8542.47	12.25	92.22	8476.96	618.88	-23.99	618.95	619.41	92.22	0.00	180.00G
	8600.00	9.37	92.22	8533.47	629.65	-24.41	629.73	630.20	92.22	5.00	180.00G
	8700.00	4.37	92.22	8632.72	641.60	-24.87	641.67	642.16	92.22	5.00	92.22M
EOD	8787.37	0.00	92.22	8720.00	644.92	-25.00	645.00	645.48	92.22	5.00	92.22M
PBHL	11767.37	0.00	92.22	11700.00	644.92	-25.00	645.00	645.48	92.22	0.00	0.00M

Proposal

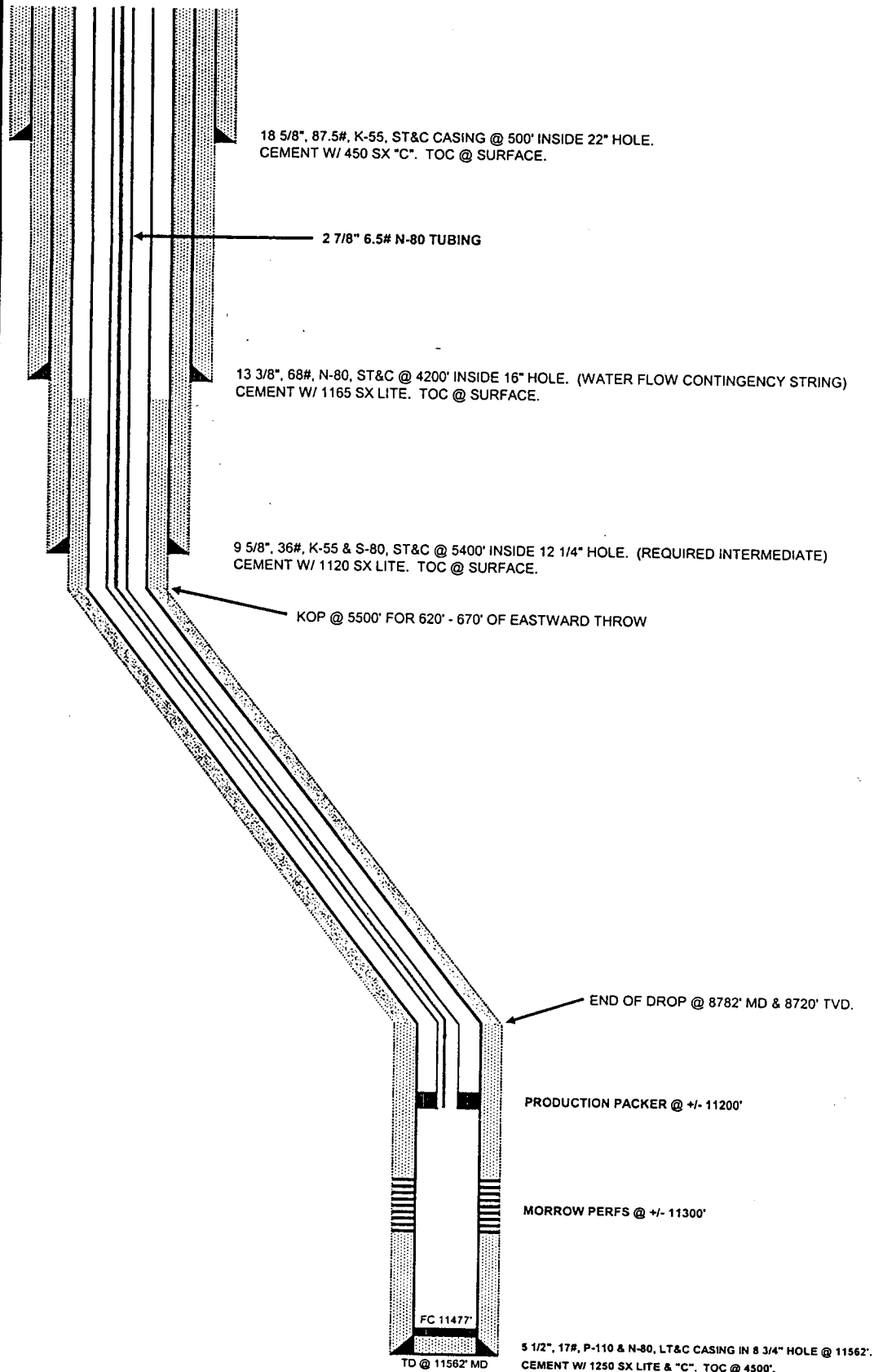


Report Date: May 3, 2005 Client: Great Western Drilling Co. Field: Eddy County, NM Structure / Slot: GW #1 / GW #1 Well: GW #1 Borehole: GW #1 UWI/API#: Survey Name / Date: GW #1_r5 / March 29, 2005 Tort / AHD / DDI / ERD ratio: 24.490° / 645.48 ft / 4.201 / 0.055 Grid Coordinate System: NAD27 New Mexico State Planes, Eastern Zone, US Feet Location Lat/Long: N 32 27 58.536, W 104 17 54.240 Location Grid N/E Y/X: N 533340.441 ftUS, E 510773.991 ftUS Grid Convergence Angle: +0.01875231° Grid Scale Factor: 0.99990922	Survey / DLS Computation Method: Minimum Curvature / Lubinski Vertical Section Azimuth: 94.610° Vertical Section Origin: N 0.000 ft, E 0.000 ft TVD Reference Datum: RKB TVD Reference Elevation: 0.0 ft relative to Sea Bed / Ground Level Elevation: 0.000 ft relative to Magnetic Declination: 8.660° Total Field Strength: 49337.040 nT Magnetic Dip: 60.431° Declination Date: March 29, 2005 Magnetic Declination Model: IGRF 2005 North Reference: Grid North Total Corr Mag North -> Grid North: +8.641° Local Coordinates Referenced To: Well Head
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Comments	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (deg)	DLS (deg/100 ft)	Tool Face (deg)
Tie-In	0.00	0.00	92.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.22M
9 5/8" Casing	5400.00	0.00	92.22	5400.00	0.00	0.00	0.00	0.00	0.00	0.00	92.22M
KOP	5500.00	0.00	92.22	5500.00	0.00	0.00	0.00	0.00	0.00	0.00	92.22M
	5600.00	5.00	92.22	5599.87	4.36	-0.17	4.36	4.36	92.22	5.00	92.22M
	5700.00	10.00	92.22	5698.99	17.39	-0.67	17.40	17.41	92.22	5.00	0.00G
EOC	5744.90	12.25	92.22	5743.04	26.05	-1.01	26.05	26.07	92.22	5.00	0.00G
Begin Drop	8542.47	12.25	92.22	8476.96	618.88	-23.99	618.95	619.41	92.22	0.00	180.00G
	8600.00	9.37	92.22	8533.47	629.65	-24.41	629.73	630.20	92.22	5.00	180.00G
	8700.00	4.37	92.22	8632.72	641.60	-24.87	641.67	642.16	92.22	5.00	92.22M
EOD	8787.37	0.00	92.22	8720.00	644.92	-25.00	645.00	645.48	92.22	5.00	92.22M
PBHL	11767.07 11,562'	0.00	92.22	11700.00 11,500'	644.92	-25.00	645.00	645.48	92.22	0.00	0.00M

BURNETT OIL COM #1

1330' FEL & 660' FNL (SURFACE) : 660' FNL & FEL (BOTTOM HOLE)
 SEC 24, T17S-R30E
 EDDY COUNTY, NEW MEXICO
 GL 3739', KB 3758'
 API # 30-



BURNETT OIL COM #1

1330' FEL & 660' FNL (SURFACE) : 660' FNL & FEL (BOTTOM HOLE)
SEC 24, T17S-R30E
EDDY COUNTY, NEW MEXICO
GL 3739', KB 3758'
API # 30-

