

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-101
Revised March 17, 1999

Submit to appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

RECEIVED
OCD - ARTESIA

AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

Operator Name and Address Gruy Petroleum Management Co. P. O. Box 140907 Irving TX 75014-0907		GRID Number 162683
Property Code 21733	State 14 Com	API Number 30 - 015-31791
Property Name State 14 Com		Well No. 2

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	14	19S	29E		2040'	North	560'	West	Eddy

Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	14	19S	29E		1330'	South	1650'	West	

Proposed Pool 1
Turkey Track (Morrow)

Proposed Pool 2
Turkey Track (Atoka)

Work Type Code N	Well Type Code G	Cable/Rotary R	Lease Type Code S	Ground Level Elevation 3318
Multiple No	Proposed Depth 11500'	Formation Morrow / Atoka	Contractor Unknown	Spud Date When Approved

Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17-1/2"	H-40 13-3/8"	48 #	400'	815 sx	Surface
11"	K-55 8-5/8"	24 #	3200'	1175 sx	Surface
7-7/8"	N-80/S-95	17 #	11500'	1220 sx	TOC 8000' Surface
See above Salt 1 300'					

Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

The proposed well will be directionally drilled to a depth of 11500' and completed as a Morrow / Atoka producer. From the base of the surface pipe through the running of production casing, the well will be equipped with a 5000-psi BOP system.

I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature: Zeno Farris

Printed name: Zeno Farris

Title: Manager Operations Administration

Date: 04-3-01

Phone: 972-443-6489

OIL CONSERVATION DIVISION

Approved by: ORIGINAL SIGNED BY TIM W. GUM
DISTRICT II SUPERVISOR

Approval Date: MAY 18 2001 Expiration Date: MAY 18 2002

Conditions of Approval:
Attached ☐ NOTIFY OCD SPUD & TIME TO WITNESS
CEMENTING OF ALL CASING STRINGS

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DISTRICT III
1000 Rio Brazos Rd., Artesia, NM 87410

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised March 17, 1999

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, New Mexico 87504-2088

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

RECEIVED
OCD - ARTESIA

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name Turkey Track (Morrow)
Property Code	Property Name STATE "14" Com	Well Number 2
GRID No.	Operator Name GRUY PETROLEUM MANAGEMENT COMPANY	Elevation 3318'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	14	19 S	29 E		2040	NORTH	560	WEST	EDDY

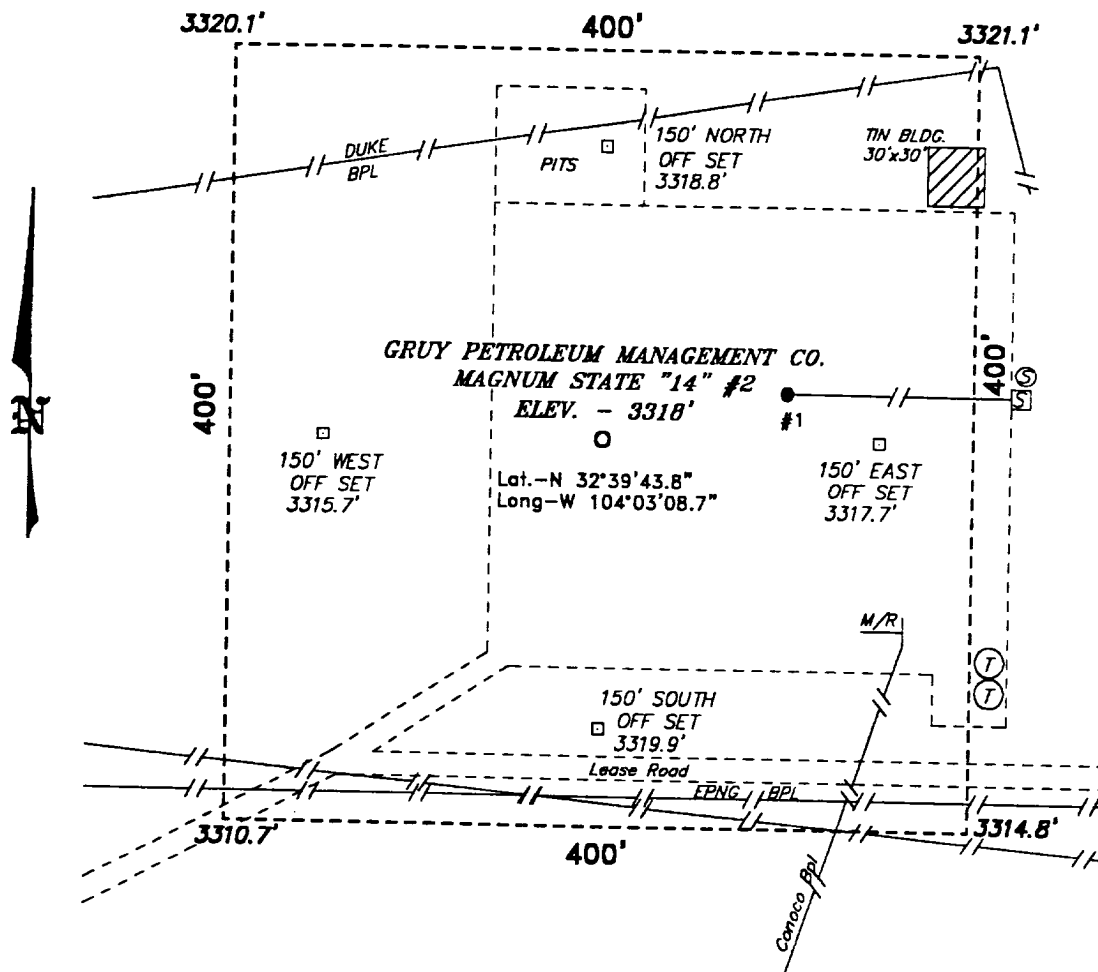
Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	14	18S	29E		1330'	South	1650'	West	Eddy
Dedicated Acres 320	Joint or Infill Y	Consolidation Code C	Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

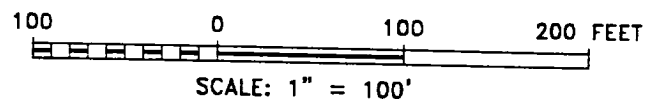
	OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. <u>Zeno Farris</u> Signature <u>Zeno Farris</u> Printed Name <u>Manager Ops. Admin.</u> Title <u>4-5-01</u> Date SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief. <u>March 31, 2001</u> Date Surveyed <u>GARY L. JONES</u> Signature & Seal of Professional Surveyor <u>7977</u> J.O. No. 13234 <u>Gary L. Jones</u> Certificate No. 7977 7977 BASIN SURVEYS
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SECTION 14, TOWNSHIP 19 SOUTH, RANGE 29 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO.



Directions to Location:

FROM THE JUNCTION OF CURRY COMB ROAD & OLD LOCO RD., GO NORTH ON OLD LOCO ROAD FOR 0.7 MILE; THENCE EAST ON LEASE ROAD FOR 1.1 MILE TO LOCATION.



GRUY PETROLEUM MANAGEMENT CO.

REF: Magnum State "14" No. 2 / Well Pad Topo

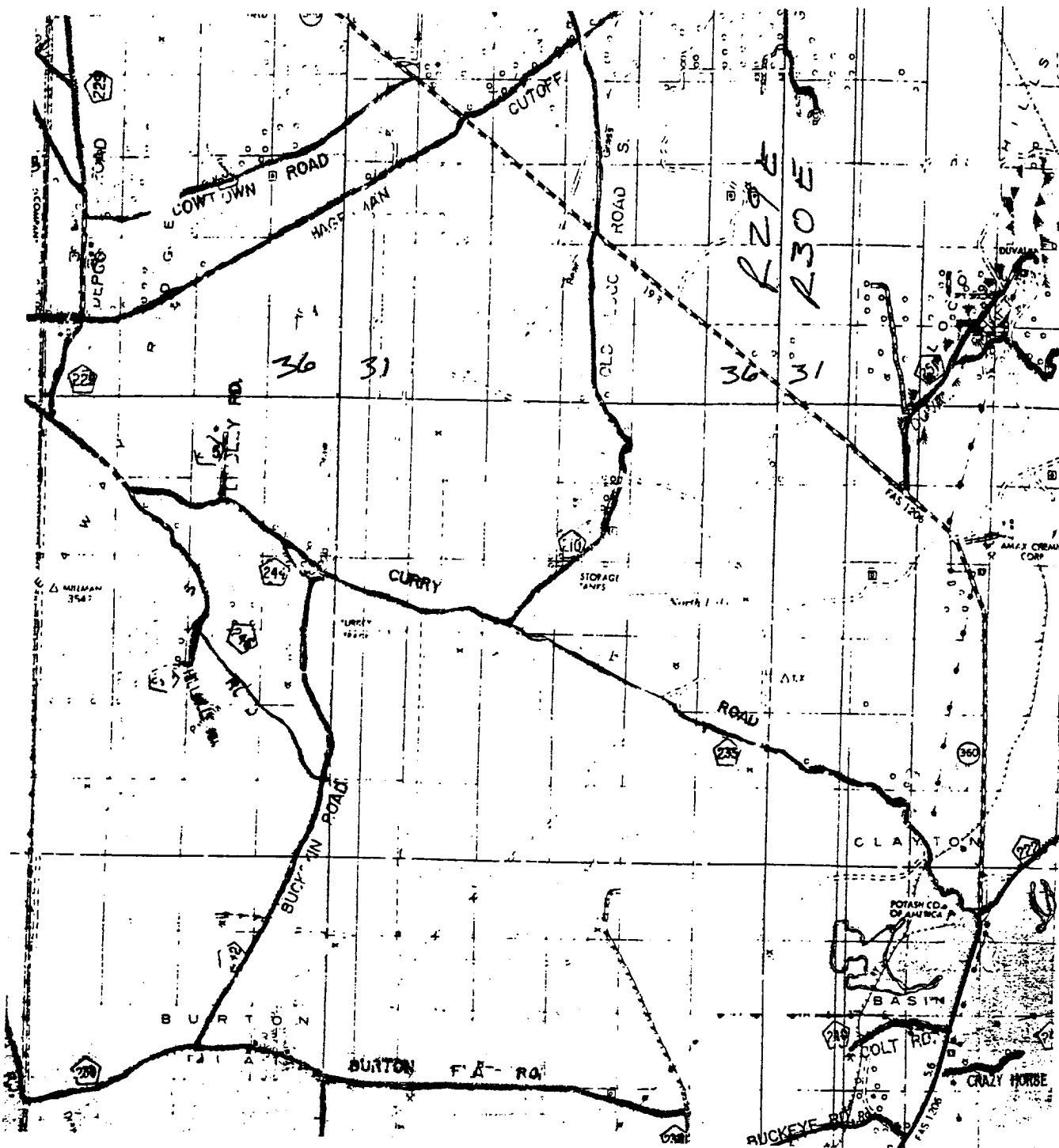
THE MAGNUM STATE "14" No. 2 LOCATED 2040' FROM
THE NORTH LINE AND 560' FROM THE WEST LINE OF
SECTION 14, TOWNSHIP 19 SOUTH, RANGE 29 EAST,
N.M.P.M., EDDY COUNTY, NEW MEXICO.

BASIN SURVEYS P.O. BOX 1786 - HOBBS, NEW MEXICO

W.O. Number: 1323 Drawn By: **K. GOAD**

Date: 04-02-2001 Disk: KJG CD#4 - 1323A.DWG

Survey Date: 03-31-2001 Sheet 1 of 1 Sheets



MAGNUM STATE "14" #2
 Located at 2040' FNL and 560' FWL
 Section 14, Township 19 South, Range 29 East,
 N.M.P.M., Eddy County, New Mexico.

basin
surveys
 focused on excellence
 in the oilfield

P.O. Box 1786
 1120 N. West County Rd.
 Hobbs, New Mexico 88241
 (505) 393-7316 - Office
 (505) 392-3074 - Fax
 basinsurveys.com

W.O. Number: 1323AA - KJG CD#4

Survey Date: 03-31-2001

Scale: 1" = 2 MILES

Date: 04-02-2001

GRUY PETROLEUM
MANAGEMENT
COMPANY

DDC

Directional Drilling Contractors, LLC.

Job Number: Proposal
 Company: GRUY PETROLEUM
 Lease/Well: State '14' Com #2
 Location: Eddy County
 Rig Name: Patterson #78
 RKB: N/A
 G.L. or M.S.L.: N/A

State/Country: New Mexico/USA
 Declination: N/A
 Grid: N/A
 File name: C:\WINSERVE\GRUY\SC2.GVY
 Date/Time: 06-Apr-01 / 11:48
 Curve Name: State '14' Com #2

WINSERVE SURVEY CALCULATIONS
Minimum Curvature Method
Vertical Section Plane 150.29
Vertical Section Referenced to Wellhead
Rectangular Coordinates Referenced to Wellhead

REMOVED
 000 - ARTESIA
 000 - ARTESIA

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Dogleg Severity Deg/100
KOP @ 7000' MD/TVD w/3" DLS							
7000.00	.00	151.88	7000.00	.00	.00	.00	.00
7030.00	.90	150.29	7030.00	-.20	.12	.24	3.00
7060.00	1.80	150.29	7059.99	-.82	.47	.84	3.00
7090.00	2.70	150.29	7089.97	-1.84	1.05	2.12	3.00
7120.00	3.60	150.29	7119.92	-3.27	1.87	3.77	3.00
7150.00	4.50	150.29	7149.85	-5.11	2.92	5.89	3.00
7180.00	5.40	150.29	7179.73	-7.36	4.20	8.48	3.00
7210.00	6.30	150.29	7209.58	-10.02	5.72	11.53	3.00
7240.00	7.20	150.29	7239.37	-13.08	7.46	15.08	3.00
7270.00	8.10	150.29	7269.10	-16.55	9.44	19.05	3.00
7300.00	9.00	150.29	7298.77	-20.42	11.65	23.51	3.00
7330.00	9.90	150.29	7328.36	-24.70	14.10	28.44	3.00
7360.00	10.80	150.29	7357.87	-29.38	16.77	33.83	3.00
7390.00	11.70	150.29	7387.30	-34.46	19.67	39.88	3.00
7420.00	12.60	150.29	7416.82	-39.95	22.80	46.00	3.00
7450.00	13.50	150.29	7445.85	-45.83	26.16	52.77	3.00
7480.00	14.40	150.29	7474.96	-52.11	29.74	60.00	3.00
7510.00	15.30	150.29	7503.96	-58.79	33.55	67.69	3.00
7540.00	16.20	150.29	7532.83	-65.86	37.59	75.83	3.00
7570.00	17.10	150.29	7561.58	-73.33	41.85	84.43	3.00

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Dogleg Severity Deg/100
7600.00	18.00	150.29	7590.18	-81.19	48.33	83.48	3.00
7630.00	18.90	150.29	7618.84	-89.43	51.04	102.97	3.00
7660.00	19.80	150.29	7648.94	-98.06	55.96	112.91	3.00
7690.00	20.70	150.29	7675.09	-107.08	61.11	123.29	3.00
7720.00	21.60	150.29	7703.07	-116.48	66.48	134.12	3.00
7750.00	22.50	150.29	7730.87	-126.27	72.08	145.38	3.00
7780.00	23.40	150.29	7758.50	-136.43	77.88	157.08	3.00
7810.00	24.30	150.29	7785.93	-146.96	83.87	169.21	3.00
7840.00	25.20	150.29	7813.18	-157.87	90.09	181.77	3.00
7870.00	26.10	150.29	7840.22	-169.15	96.53	194.75	3.00
7900.00	27.00	150.29	7867.08	-180.79	103.18	208.16	3.00
7930.00	27.90	150.29	7893.88	-192.80	110.03	221.99	3.00
End of Build @ 28.74° Inc.							
7957.88	28.74	150.29	7918.22	-204.28	116.58	235.22	3.00
8057.88	28.74	150.29	8005.91	-248.05	140.41	283.29	.00
8157.88	28.74	150.29	8093.59	-287.80	164.24	331.37	.00
8257.88	28.74	150.29	8181.27	-329.56	188.07	379.45	.00
8357.88	28.74	150.29	8268.86	-371.32	211.90	427.53	.00
8457.88	28.74	150.29	8356.84	-413.07	235.73	475.61	.00
8557.88	28.74	150.29	8444.33	-454.83	259.56	523.68	.00
8657.88	28.74	150.29	8532.01	-496.59	283.39	571.76	.00
8757.88	28.74	150.29	8619.69	-538.34	307.22	619.84	.00
8857.88	28.74	150.29	8707.38	-580.10	331.05	667.92	.00
8957.88	28.74	150.29	8795.06	-621.86	354.88	716.00	.00
9057.88	28.74	150.29	8882.75	-663.62	378.71	764.07	.00
9157.88	28.74	150.29	8970.43	-705.37	402.54	812.15	.00
9257.88	28.74	150.29	9058.12	-747.13	426.37	860.23	.00
9357.88	28.74	150.29	9145.80	-788.89	450.20	908.31	.00
9457.88	28.74	150.29	9233.48	-830.64	474.03	956.39	.00
9557.88	28.74	150.29	9321.17	-872.40	497.86	1004.48	.00
9657.88	28.74	150.29	9408.85	-914.16	521.69	1052.54	.00
9757.88	28.74	150.29	9496.54	-955.91	545.52	1100.62	.00
9857.88	28.74	150.29	9584.22	-997.67	569.35	1148.70	.00
9957.88	28.74	150.29	9671.90	-1039.43	593.18	1196.78	.00
10057.88	28.74	150.29	9759.59	-1081.18	617.01	1244.85	.00
10157.88	28.74	150.29	9847.27	-1122.94	640.84	1292.93	.00
10257.88	28.74	150.29	9934.96	-1164.70	664.67	1341.01	.00
10357.88	28.74	150.29	10022.64	-1206.45	688.50	1389.09	.00
10457.88	28.74	150.29	10110.33	-1248.21	712.33	1437.17	.00
10557.88	28.74	150.29	10198.01	-1289.97	736.16	1485.24	.00
10657.88	28.74	150.29	10285.69	-1331.72	759.99	1533.32	.00
10757.88	28.74	150.29	10373.38	-1373.48	783.82	1581.40	.00

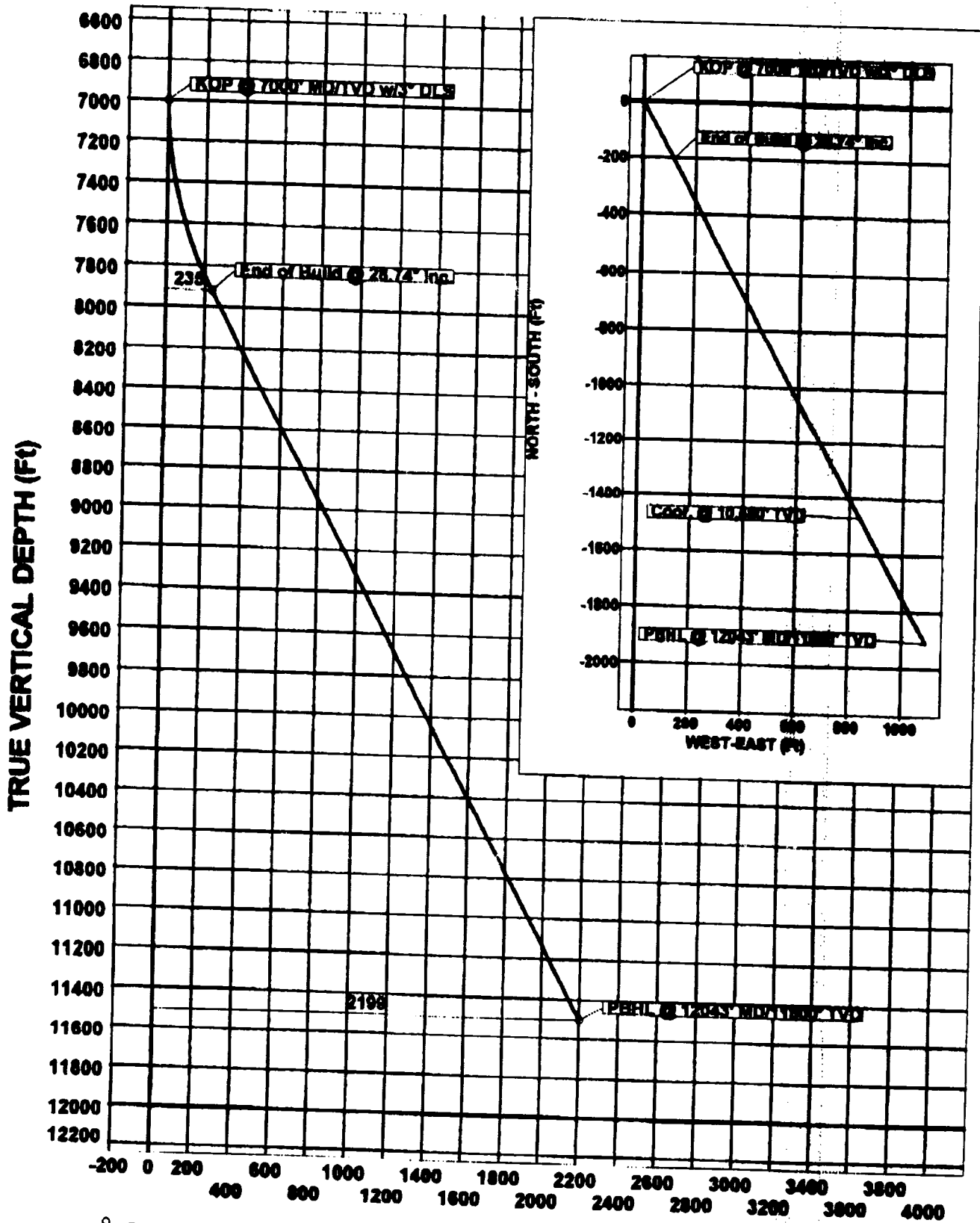
Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Dogleg Severity Deg/100
10857.88	28.74	150.29	10461.08	-1415.24	807.85	1629.48	.00
10957.88	28.74	150.29	10548.75	-1458.99	831.48	1677.58	.00
10993.52	28.74	150.29	10580.00	-1471.88	838.97	1694.89	.00
11057.88	28.74	150.29	10638.43	-1498.75	855.31	1725.83	.00
11157.88	28.74	150.29	10724.11	-1540.51	879.14	1773.71	.00
11257.88	28.74	150.29	10811.80	-1582.27	902.97	1821.79	.00
11357.88	28.74	150.29	10899.48	-1624.02	928.80	1869.87	.00
11457.88	28.74	150.29	10987.17	-1665.78	950.63	1917.95	.00
11557.88	28.74	150.29	11074.85	-1707.54	974.48	1966.02	.00
11657.88	28.74	150.29	11162.53	-1749.29	998.29	2014.10	.00
11757.88	28.74	150.29	11250.22	-1791.05	1022.12	2062.18	.00
11857.88	28.74	150.29	11337.90	-1832.81	1045.95	2110.28	.00
11957.88	28.74	150.29	11425.59	-1874.58	1069.78	2158.34	.00
PBHL @ 12043' MD/11600' TVD							
12042.74	28.74	150.29	11500.00	-1910.00	1090.00	2199.14	.00

Company: GRUY PETROLEUM
 Lease/Well: State '14' Com #2
 Location: Eddy County
 Rig Name: Patterson #78
 State/Country: New Mexico/USA
 Declination: N/A

Grid: N/A

DDC

Directional Drilling Corporation, L.L.C.



○ - State '14' Com #2

VERTICAL SECTION (Ft) @ 150.29°

**DDC**

Directional Drilling Contractors, L.L.C.

Job Number: Proposal
 Company: GRUY PETROLEUM
 Lease/Well: State '14' Corn #2
 Location: Eddy County
 Rig Name: Patterson #78
 RKB: N/A
 G.L. or M.S.L.: N/A

State/Country: New Mexico/USA
 Declination: N/A
 Grid: N/A
 File name: C:\WINSERVE\GRUYSC2.SVY
 Date/Time: 06-Apr-01 / 11:48
 Curve Name: State '14' Corn #2

WINSERVE SURVEY CALCULATIONS
Minimum Curvature Method
Vertical Section Plane 150.29
Vertical Section Referenced to Wellhead
Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Dogleg Severity Deg/100
KOP @ 7000' MD/TVD w/3° DLS							
7000.00	.00	151.86	7000.00	.00	.00	.00	.00
7030.00	.90	150.29	7030.00	-20	.12	.24	3.00
7060.00	1.80	150.29	7059.99	-.82	.47	.94	3.00
7090.00	2.70	150.29	7089.97	-1.84	1.05	2.12	3.00
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7180.00	5.40	150.29	7179.73	-7.36	4.20	8.48	3.00
7210.00	6.30	150.29	7209.58	-10.02	5.72	11.53	3.00
7240.00	7.20	150.29	7239.37	-13.08	7.48	15.08	3.00
7270.00	8.10	150.29	7269.10	-16.55	9.44	19.05	3.00
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7360.00	10.80	150.29	7357.87	-29.38	16.77	33.83	3.00
7390.00	11.70	150.29	7387.30	-34.46	19.67	39.88	3.00
7420.00	12.60	150.29	7416.62	-39.95	22.80	46.00	3.00
7450.00	13.50	150.29	7445.85	-45.83	26.16	52.77	3.00
7480.00	14.40	150.29	7474.96	-52.11	29.74	60.00	3.00
7510.00	15.30	150.29	7503.96	-58.79	33.55	67.89	3.00
7540.00	16.20	150.29	7532.83	-65.86	37.59	75.83	3.00
7570.00	17.10	150.29	7561.58	-73.33	41.85	84.43	3.00