

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.
LC0034711

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE

7. If Unit or CA, Agreement Designation

1. Type of Well

Oil Well Gas Well Other

8. Well Name and No.

2. Name of Operator **PLAINS PETROLEUM OPERATING COMPANY**

Baylus Cade Federal #7

3. Address of Operator **15 W. Wall, Suite 1000 Midland, TX 79701 915/683-4434**

9. API Well No. **30-025-33649**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**L - 1890' FSL & 360' FWL (SHL) - 2300' FSL & 400' FWL (BHL)
Sec. 35, T23S, R37E**

10. Field and Pool, or Exploratory Area

TEAGUE SIMPSON

11. County or Parish, State

LEA, NM

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other Log, perf, acid, frac swab, pump
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

- 1-3-97 Log from DV tool @ 6021' to surface. Find TOC @ 310'.
- 1-4-97 PU 4-3/4" skirted mill tooth bit & 6 DC's. TIH to 6000', test csg to 1000 psi, ok. Drl out DV tool. TIH to 6050', retest csg, ok. TIH to 9770', circ well w/2% KCl wtr.
- 1-5-97 Continue to POOH w/tbg & collars, LD collars. Log from 9812' PBTD (per CBL-GR log) to DV tool. RIH w/tbg to 7500'.
- 1-7-97 RIH w/4" selectfire csg gun & perf 0.44" 19 gm charges from 9291'-9299', 9301'-9327', 9352'-9390'. RIH w/pkr & tbg to 9441'. RIH w/logging tool & correlate to get on depth w/perfs. Test pkr in blank pipe. PU & set @ 9385'-9393', 9373'-9381', 9366'-9374', 9354'-9362', 9350'-9358', 9323'-9331', 9305'-9313', 9297'-9305', 9290'-9298'. Broke dwn & acidized each setting w/3 bbls/perf 7-1/2% MCA @ 2 BPM. Total acid 2800 gals. Avg break dwn press 2965 psi, max 3028 psi.
- 1-8-97 PBTD 9812' per CBL-GR log. Swabbing

14. I hereby certify that the foregoing is true and correct

Signed *Ronnie Husband*

Admin. Assist

01-25-97

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

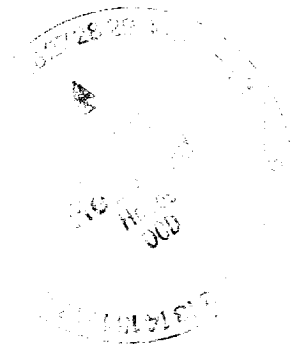
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

30



- 1-10-97 Frac dwn 5-1/2" csg @ 30 BPM w/30# HYBOR G & 20/40 Ottawa sand as follows:
- | <u>Stage</u> | <u>Vol (Gals)</u> | <u>Pressure</u> |
|--------------|-------------------|-----------------|
| PAD | 10,990 | 2465 psi |
| 1-6# Ramp | 17,367 | 1276 psi |
| 6# | 5,082 | 1223 psi |
| Flush | 10,209 | 2573 psi. |
- ISIP 1993 psi, 5 mins 1806 psi, 15 mins 1306 psi.
- 1-11-97 PU 4" csg gun & RIH to sand bridge @ 9379', Perf 20 holes 2 JSPF @ 9368'-78', perf 3 JSPF @ 9252'-9255', 9316'-9342' (30 holes). POOH, PU RBP & pkr, RIH w/tbg to 9370', set & test RBP, spot 2 bbls acid across perms. PU & set pkr @ 9130'. Acidize dwn tbg w/1000 gals 15% NEFE HCl & 18 ball sealers. AIR 6 BPM, avg press 3650 psi, balled out to 4500 psi. Release pkr, RIH & catch RBP.
- 1-12-97 Continue to POOH w/pkr & plug, LD same. PU 5-1/2" RTTS, RIH w/pkr to 9148', pump 56 bbls 2% KCL dwn csg. Set pkr, RU swab, IFL 4500', swab back 40 bbls wtr w/trace oil in 2-1/2 hrs, fair gas.
- 1-14-97 TIH w/notched collar & tbg, tag up @ 9368', spud & drl sand bridge out. TIH to 9480', POOH w/tbg. RIH w/cased hole gun, perf @ 9402'-9412', 20 holes, 2 JSPF. RIH w/30 std tbg.
- 1-15-97 POOH & LD 30 std tbg, PU prod equip, RIH w/prod equip & tbg to 7536'.
- 1-16-97 Pumping to frac tank. Set TAC w/20 pts, ND BOP, flange up WH, PU 2-1/2" x 1-1/2" x 22' pump & 20' GA & 3/4" & 7/8" rods. SN @ 7536'.

Logs & Inclination/survey report enclosed. Copies to OCD also.



PLAINS PETROLEUM OPERATING COMPANY
 415 W. WALL, STE 1000
 MIDLAND, TEXAS 79701

THE FOLLOWING SURVEYS WERE RAN ON THE BAYLUS CADE #7 SEC 35, T-23-S, R-37-E
 LEA CO., NEW MEXICO

DEPTH	DEGREE	DEPTH	DEGREE
851	0.75	7958	6.9
1350	1	8175	10
1555	1	8239	10
2042	1.25	8391	10.25
2424	1.75	8485	10.25
2900	1.5	8732	11.25
3495	1	8824	11.5
3968	0.75	8945	11.5
4335	1.25	9192	10.75
5314	0.75	9284	10.25
5813	1	9817	7.5
6307	1		
6741	0.5		
7213	0.25		
7410	1.25		
7565	1.5		
7680	3.25		
7710	3.9		
7926	6.1		

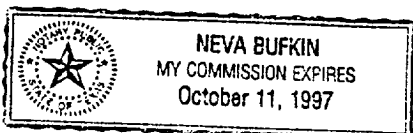
DRILLING CONTRACTOR PATTERSON DRILLING COMPANY

BY David Cain
 DAVID CAIN

SUBSCRIBED AND SWORN TO BEFORE ME THIS 10th DAY OF January 1997

[Signature]
 NOTARY PUBLIC

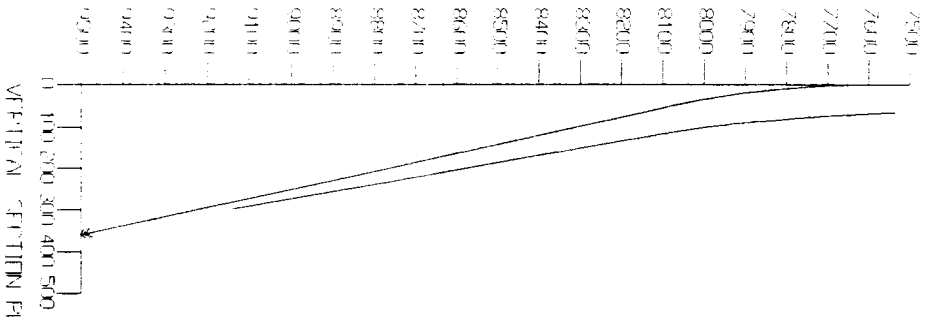
MY COMMISSION EXPIRES 10-11-97 SCURRY COUNTY, TEXAS





MAINE PETROLEUM
 PAULUS CAVE FEDERALIZ
 TIA TOWN NEW MEXICO
 S.L. 35-1235-R37E
 SURVEY

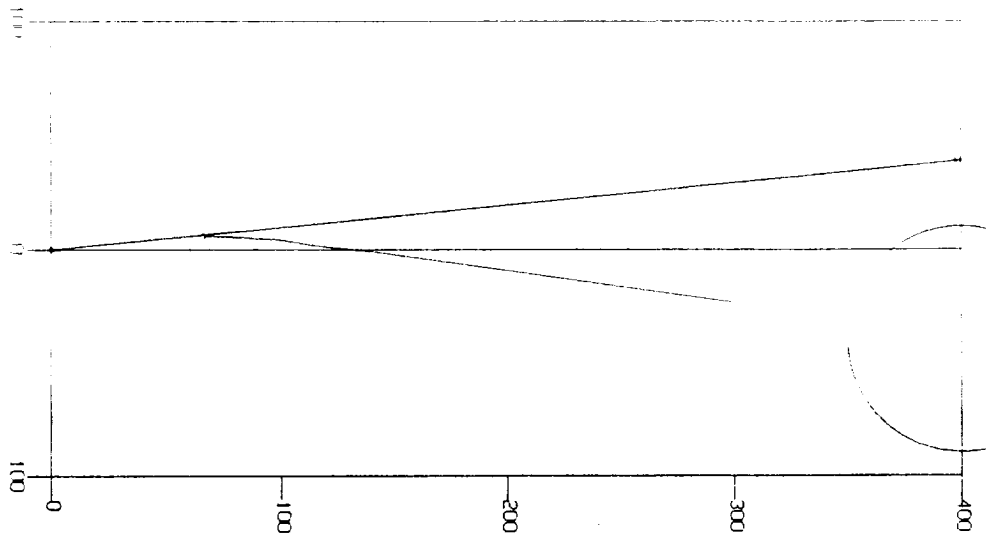
METRIC VIEW
 SCALE 100 FT. / DIVISION
 TYPICAL METRIC
 METRIC EQUATION REF. METRIC



METRIC SECTION FROM 0 500

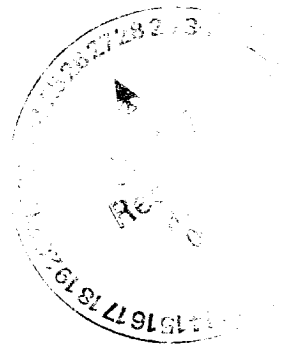
HALLIBURTON

METRIC VIEW
 SCALE 100 FT. / DIVISION
 TYPICAL METRIC



SCALE 100 FT. / DIVISION

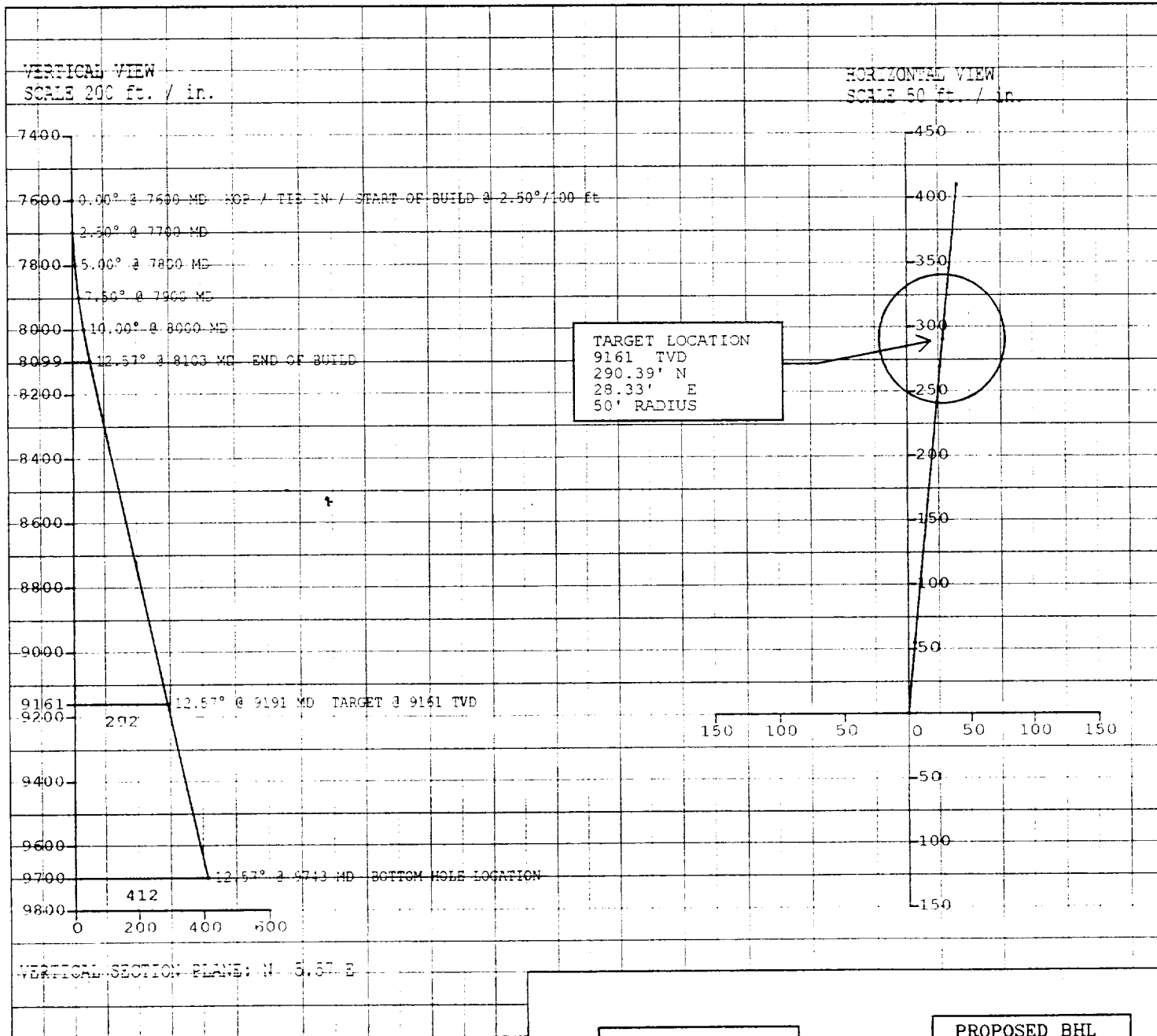
METRIC SECTION FROM 0 100



PLAINS PETROLEUM
 BAYLUS CADE FEDERAL #7
 LEA COUNTY, NEW MEXICO
 SEC. 35 - T23S - R37E



DECLINATION 9.0 DEGREES EAST



SURFACE LOCATION
 1890' FSL, 360' FWL

BOTTOM HOLE LOCATION
 2300' FSL, 400' FWL

PROPOSED BHL	
TVD	9700.00
MD	9743.34
VS	411.95
N/S	410.00 N
E/W	40.00 E

Survey Report

Date: 12/7/96
 Time: 6:04 am
 Wellpath ID: SURVEY
 Date Created: 12/5/96
 Last Revision: 12/7/96

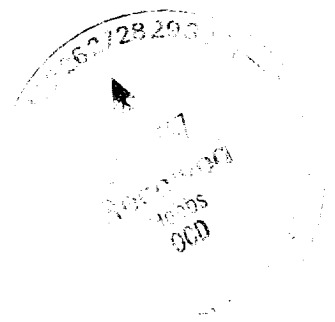
Calculated using the Minimum Curvature Method
 Computed using WIN-CADDS REV2.2.0
 Vertical Section Plane: N 5.57 E

Survey Reference: WELLHEAD
 Vertical Section Reference: WELLHEAD
 Closure Reference: WELLHEAD
 TVD Reference: WELLHEAD

PLAINS PETROLEUM
 BAYLUS CADE FEDERAL#7
 LEA COUNTY, NEW MEXICO
 SEC. 35-T23S-R37E
 SURVEY

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	Course Length (ft)	TVD (ft)	TOTAL Rectangular Offsets (ft)	Vertical Section (ft)	DLS (dg/100ft)
7535.00	1.74	N 5.62 W	0.00	7534.31	65.72 N 5.68W	64.86	0.00
TIE IN TO GYRO							
7557.00	1.80	N 6.70 W	22.00	7556.30	66.40 N 5.75W	65.52	0.31
7587.00	2.00	N 0.90 E	30.00	7586.28	67.39 N 5.80W	66.51	1.07
7618.00	2.50	N 3.30 W	31.00	7617.26	68.60 N 5.83W	67.71	1.70
7649.00	3.20	N 4.20 E	31.00	7648.22	70.14 N 5.81W	69.25	2.55
7680.00	3.40	N 3.00 E	31.00	7679.17	71.92 N 5.69W	71.03	0.68
7710.00	3.90	N 2.20 E	30.00	7709.11	73.83 N 5.61W	72.94	1.68

→ ADD THIS PORTION TO THE 12-7-96 DRILL REPORT



Halliburton Energy Services

Page 1

Proposal Report

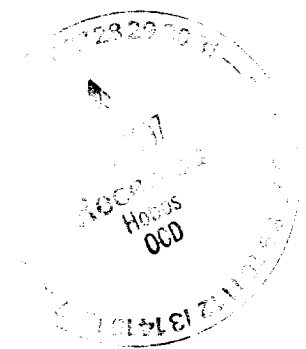
Date: 12/9/96
 Time: 10:40 am
 Wellpath ID: PROPOSAL
 Last Revision: 12/6/96

*Calculated using the Minimum Curvature Method
 Computed using WIN-CADDS REV2.2.2
 Vertical Section Plane: N 5.57 E*

Survey Reference: WELLHEAD
 Vertical Section Reference: WELLHEAD
 Closure Reference: WELLHEAD
 TVD Reference: WELLHEAD

PLAINS PETROLEUM
 BAYLUS CADE FEDERAL #7
 LEA COUNTY, NEW MEXICO
 SEC. 35 - T23S - R37E
 PROPOSAL

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	Course Length (ft)	TVD (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft)		DLS (dg/100ft)	
KOP / TIE IN / START OF BUILD @ 2.50 deg/100 ft									
7600.00	0.00	N 0.00 E	0.00	7600.00	0.00	0.00 N	0.00 E	0.00	
7700.00	2.50	N 5.57 E	100.00	7699.97	2.18	2.17 N	0.21 E	2.50	
7800.00	5.00	N 5.57 E	100.00	7799.75	8.72	8.68 N	0.85 E	2.50	
7900.00	7.50	N 5.57 E	100.00	7899.14	19.61	19.51 N	1.90 E	2.50	
8000.00	10.00	N 5.57 E	100.00	7997.97	34.82	34.65 N	3.38 E	2.50	
8100.00	12.50	N 5.57 E	100.00	8096.04	54.33	54.07 N	5.28 E	2.50	
END OF BUILD									
8102.77	12.57	N 5.57 E	2.77	8098.75	54.93	54.67 N	5.33 E	2.50	
TARGET @ 9161 TVD									
9191.11	12.57	N 5.57 E	1088.34	9161.00	291.77	290.39 N	28.33 E	0.00	
BOTTOM HOLE LOCATION									
9743.34	12.57	N 5.57 E	552.24	9700.00	411.95	410.00 N	40.00 E	0.00	



Halliburton Drilling Systems

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Survey Report

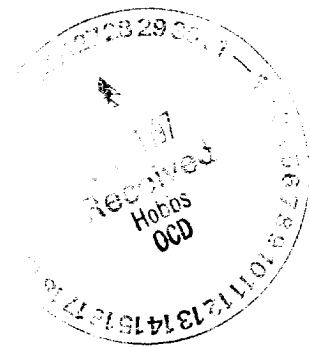
Date: 12/10/96
Time: 5:41 am
Wellpath ID: SURVEY
Date Created: 12/5/96
Last Revision: 12/10/96

Calculated using the Minimum Curvature Method
Computed using WIN-CADDS REV2.2.0
Vertical Section Plane: N 5.57 E

Survey Reference: WELLHEAD
Vertical Section Reference: WELLHEAD
Closure Reference: WELLHEAD
TVD Reference: WELLHEAD

PLAINS PETROLEUM
BAYLUS CADE FEDERAL#7
LEA COUNTY, NEW MEXICO
SEC. 35-T23S-R37E
SURVEY

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	Course Length (ft)	TVD (ft)	TOTAL Rectangular Offsets (ft)		Vertical Section (ft)	DLS (dg/100ft)
7710.00	3.90	N 2.20 E	30.00	7709.11	73.83 N	5.61W	72.94	1.68
7741.00	4.30	N 1.30 E	31.00	7740.03	76.04 N	5.54W	75.15	1.31
7772.00	4.50	N 1.00 E	31.00	7770.94	78.42 N	5.49W	77.52	0.65
7803.00	5.00	N 3.20 E	31.00	7801.83	80.99 N	5.40W	80.08	1.72
7834.00	5.10	N 3.30 E	31.00	7832.71	83.71 N	5.24W	82.81	0.32
7865.00	5.20	N 3.10 E	31.00	7863.59	86.49 N	5.09W	85.59	0.33
7896.00	5.60	N 3.70 E	31.00	7894.45	89.40 N	4.91W	88.50	1.30
7927.00	6.10	N 3.70 E	31.00	7925.29	92.56 N	4.71W	91.66	1.61
7958.00	6.90	N 3.70 E	31.00	7956.09	96.06 N	4.48W	95.17	2.58
7990.00	7.80	N 6.70 E	32.00	7987.82	100.13 N	4.11W	99.26	3.06
8020.00	8.20	N 9.80 E	30.00	8017.53	104.26 N	3.50W	103.43	1.96
8052.00	8.60	N 10.20 E	32.00	8049.19	108.87 N	2.69W	108.09	1.26
8083.00	8.90	N 7.50 E	31.00	8079.83	113.52 N	1.97W	112.80	1.64
8114.00	9.40	N 6.00 E	31.00	8110.43	118.42 N	1.39W	117.73	1.79
8145.00	9.90	N 5.40 E	31.00	8140.99	123.59 N	0.88W	122.92	1.65
8175.00	10.00	N 5.50 E	30.00	8170.54	128.75 N	0.38W	128.11	0.34
8239.00	10.00	N 7.00 E	64.00	8233.57	139.80 N	0.83 E	139.22	0.41



Halliburton Drilling Systems

Survey Report

Date: 12/11/96
Time: 7:12 am
Wellpath ID: SURVEY
Date Created: 12/5/96
Last Revision: 12/10/96

Calculated using the Minimum Curvature Method
Computed using WIN-CADDS REV2.2.0
Vertical Section Plane: N 5.57 E

Survey Reference: WELLHEAD
Vertical Section Reference: WELLHEAD
Closure Reference: WELLHEAD
TVD Reference: WELLHEAD

PLAINS PETROLEUM
BAYLUS CADE FEDERAL#7
LEA COUNTY,NEW MEXICO
SEC. 35-T23S-R37E
SURVEY

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	Course Length (ft)	TVD (ft)	TOTAL Rectangular Offsets (ft)	Vertical Section (ft)	DLS (dg/100ft)
8020.00	8.20	N 9.80 E	30.00	8017.53	104.26 N 3.50W	103.43	1.96
8052.00	8.60	N 10.20 E	32.00	8049.19	108.87 N 2.69W	108.09	1.26
8083.00	8.90	N 7.50 E	31.00	8079.83	113.52 N 1.97W	112.80	1.64
8114.00	9.40	N 6.00 E	31.00	8110.43	118.42 N 1.39W	117.73	1.79
8145.00	9.90	N 5.40 E	31.00	8140.99	123.59 N 0.88W	122.92	1.65
8175.00	10.00	N 5.50 E	30.00	8170.54	128.75 N 0.38W	128.11	0.34
8239.00	10.00	N 7.00 E	64.00	8233.57	139.80 N 0.83 E	139.22	0.41
8300.00	10.00	N 7.00 E	61.00	8293.64	150.31 N 2.12 E	149.81	0.00
8391.00	10.25	N 7.00 E	91.00	8383.23	166.19 N 4.07 E	165.80	0.27
8485.00	10.25	N 8.00 E	94.00	8475.73	182.77 N 6.25 E	182.52	0.19



Halliburton Drilling Systems

Page 1

Survey Report

Date: 12/11/96
Time: 7:12 pm
Wellpath ID: SURVEY
Date Created: 12/5/96
Last Revision: 12/11/96

Calculated using the Minimum Curvature Method
Computed using WIN-CADDS REV2.2.0
Vertical Section Plane: N 5.57 E

Survey Reference: WELLHEAD
Vertical Section Reference: WELLHEAD
Closure Reference: WELLHEAD
TVD Reference: WELLHEAD

PLAINS PETROLEUM
BAYLUS CADE FEDERAL#7
LEA COUNTY, NEW MEXICO
SEC. 35-T23S-R37E
SURVEY

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	Course Length (ft)	TVD (ft)	TOTAL Rectangular Offsets (ft)		Vertical Section (ft)	DLS (dg/100ft)
8608.00	10.75	N 7.00 E	123.00	8596.67	204.99 N	9.17 E	204.92	0.43
8732.00	11.25	N 8.00 E	124.00	8718.39	228.45 N	12.26 E	228.56	0.43
8792.00	11.49	N 8.00 E	60.00	8777.21	240.16 N	13.91 E	240.38	0.40
8852.00	11.73	N 8.00 E	60.00	8835.98	252.12 N	15.59 E	252.44	0.40
8912.00	11.97	N 8.00 E	60.00	8894.70	264.32 N	17.31 E	264.75	0.40
8972.00	12.21	N 8.00 E	60.00	8953.37	276.77 N	19.05 E	277.31	0.40
9032.00	12.45	N 8.00 E	60.00	9011.99	289.46 N	20.84 E	290.11	0.40
9092.00	12.69	N 8.00 E	60.00	9070.55	302.39 N	22.65 E	303.16	0.40
9152.00	12.93	N 8.00 E	60.00	9129.06	315.56 N	24.51 E	316.45	0.40
9500.00	14.33	N 8.00 E	348.00	9467.25	396.77 N	35.92 E	398.38	0.40



Halliburton Drilling Systems

Page 1

Survey Report

Date: 12/12/96

Time: 4:17 am

Wellpath ID: SURVEY

Date Created: 12/5/96

Last Revision: 12/12/96

Calculated using the Minimum Curvature Method

Computed using WIN-CADDS REV2.2.0

Vertical Section Plane: N 5.57 E

Survey Reference: WELLHEAD

Vertical Section Reference: WELLHEAD

Closure Reference: WELLHEAD

TVD Reference: WELLHEAD

PLAINS PETROLEUM
BAYLUS CADE FEDERAL#7
LEA COUNTY,NEW MEXICO
SEC. 35-T23S-R37E
SURVEY

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	Course Length (ft)	TVD (ft)	TOTAL Rectangular Offsets (ft)		Vertical Section (ft)	DLS (dg/100ft)
8020.00	8.20	N 9.80 E	30.00	8017.53	104.26 N	3.50W	103.43	1.96
8052.00	8.60	N 10.20 E	32.00	8049.19	108.87 N	2.69W	108.09	1.26
8083.00	8.90	N 7.50 E	31.00	8079.83	113.52 N	1.97W	112.80	1.64
8114.00	9.40	N 6.00 E	31.00	8110.43	118.42 N	1.39W	117.73	1.79
8145.00	9.90	N 5.40 E	31.00	8140.99	123.59 N	0.88W	122.92	1.65
8175.00	10.00	N 5.50 E	30.00	8170.54	128.75 N	0.38W	128.11	0.34
8239.00	10.00	N 7.00 E	64.00	8233.57	139.80 N	0.83 E	139.22	0.41
8300.00	10.00	N 7.00 E	61.00	8293.64	150.31 N	2.12 E	149.81	0.00
8391.00	10.25	N 7.00 E	91.00	8383.23	166.19 N	4.07 E	165.80	0.27
8485.00	10.25	N 8.00 E	94.00	8475.73	182.77 N	6.25 E	182.52	0.19
8608.00	10.75	N 7.00 E	123.00	8596.67	204.99 N	9.17 E	204.92	0.43
8732.00	11.25	N 8.00 E	124.00	8718.39	228.45 N	12.26 E	228.56	0.43
8824.00	11.50	N 6.00 E	92.00	8808.58	246.46 N	14.47 E	246.70	0.51



Halliburton Drilling Systems

Page 1

Survey Report

Date: 12/15/96

Time: 7:26 am

Wellpath ID: SURVEY

Date Created: 12/5/96

Last Revision: 12/15/96

Calculated using the Minimum Curvature Method

Computed using WIN-CADDS REV2.2.0

Vertical Section Plane: N 5.57 E

Survey Reference: WELLHEAD

Vertical Section Reference: WELLHEAD

Closure Reference: WELLHEAD

TVD Reference: WELLHEAD

PLAINS PETROLEUM
BAYLUS CADE FEDERAL#7
LEA COUNTY, NEW MEXICO
SEC. 35-T23S-R37E
SURVEY

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	Course Length (ft)	TVD (ft)	TOTAL Rectangular (ft)	Offsets (ft)	Vertical Section (ft)	DLS (dg/100ft)
8020.00	8.20	N 9.80 E	30.00	8017.53	104.26 N	3.50W	103.43	1.96
8052.00	8.60	N 10.20 E	32.00	8049.19	108.87 N	2.69W	108.09	1.26
8083.00	8.90	N 7.50 E	31.00	8079.83	113.52 N	1.97W	112.80	1.64
8114.00	9.40	N 6.00 E	31.00	8110.43	118.42 N	1.39W	117.73	1.79
8145.00	9.90	N 5.40 E	31.00	8140.99	123.59 N	0.88W	122.92	1.65
8175.00	10.00	N 5.50 E	30.00	8170.54	128.75 N	0.38W	128.11	0.34
8239.00	10.00	N 7.00 E	64.00	8233.57	139.80 N	0.83 E	139.22	0.41
8300.00	10.00	N 7.00 E	61.00	8293.64	150.31 N	2.12 E	149.81	0.00
8391.00	10.25	N 7.00 E	91.00	8383.23	166.19 N	4.07 E	165.80	0.27
8485.00	10.25	N 8.00 E	94.00	8475.73	182.77 N	6.25 E	182.52	0.19
8608.00	10.75	N 7.00 E	123.00	8596.67	204.99 N	9.17 E	204.92	0.43
8732.00	11.25	N 8.00 E	124.00	8718.39	228.45 N	12.26 E	228.56	0.43
8824.00	11.50	N 6.00 E	92.00	8808.58	246.46 N	14.47 E	246.70	0.51
8945.00	11.50	N 6.00 E	121.00	8927.15	270.45 N	16.99 E	270.82	0.00
9068.00	11.50	N 2.00 E	123.00	9047.69	294.90 N	18.70 E	295.32	0.65
9192.00	10.75	N 1.00 W	124.00	9169.36	318.81 N	18.93 E	319.15	0.76
9284.00	10.25	N 1.00 W	92.00	9259.81	335.58 N	18.64 E	335.80	0.54

