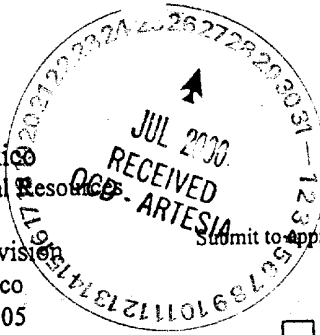


District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

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

☐ AMENDED REPORT

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

¹ Operator Name and Address Yates Petroleum Corporation 105 South Fourth Street Artesia, New Mexico 88210		² OGRID Number 025575
		³ APINumber 30- 015-28404
⁴ Property Code 16870	⁵ Property Name Rodke "ADY" Com.	⁶ Well No. 1-#

⁷ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	21	19S	25E		660'	North	660'	East	Eddy

⁸ 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
H	21	19S	25E		1980'	North	760'	East	Eddy

⁹ Proposed Pool 1 Dagger Draw Upper Penn, North	¹⁰ Proposed Pool 2
---	-------------------------------

¹¹ Work Type Code N	¹² Well Type Code O	¹³ Cable/Rotary Rotary	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 3487'
¹⁶ Multiple No	¹⁷ Proposed Depth 8,320' MD	¹⁸ Formation Canyon	¹⁹ Contractor Not determined	²⁰ Spud Date ASAP

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
14 3/4"	9 5/8"	36#	1150'	1100 sx	circualte
8 3/4"	7"	23# & 26#	TD	1300 sx	circulate
4 3/4"	open hole	-----	8320' MD	open hole	-----

²² 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.

SEE ATAACHED DRILLING PROGNOSIS, CHARTS, LOG AND PLAT MAP ATTACHED

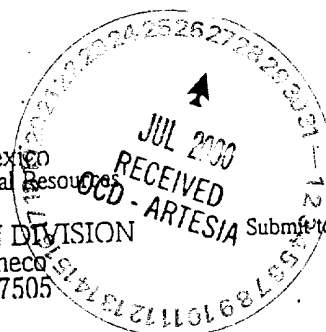
BOPE PROGRAM: A 3000# BOP will be installed on the 9 5/8" casing and tested daily.

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.		OIL CONSERVATION DIVISION	
Signature:		Approved by: ORIGINAL SIGNED BY TIM W. GUM B6X	
Printed name: Ken Beardemphl		Title: DISTRICT II SUPERVISOR	
Title: Landman		Approval Date: JUL 27 2000 Expiration Date: JUL 27 2001	
Date: July 26, 2000	Phone: (505) 748-1471	Conditions of Approval: Attached ☐	

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State of New Mexico
Energy, Minerals & Natural Resources

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505



Form C-102
Revised March 17, 1999

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-28404		Pool Code	Pool Name Dagger Draw Upper Penn, North
Property Code	Property Name Rodke "ADY" com.		Well Number 1-H
OGRID No. 025575	Operator Name Yates Petroleum Corporation		Elevation 3487'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	21	19S	25E		660'	North	660'	East	Eddy

11 Bottom Hole Location If Different From Surface

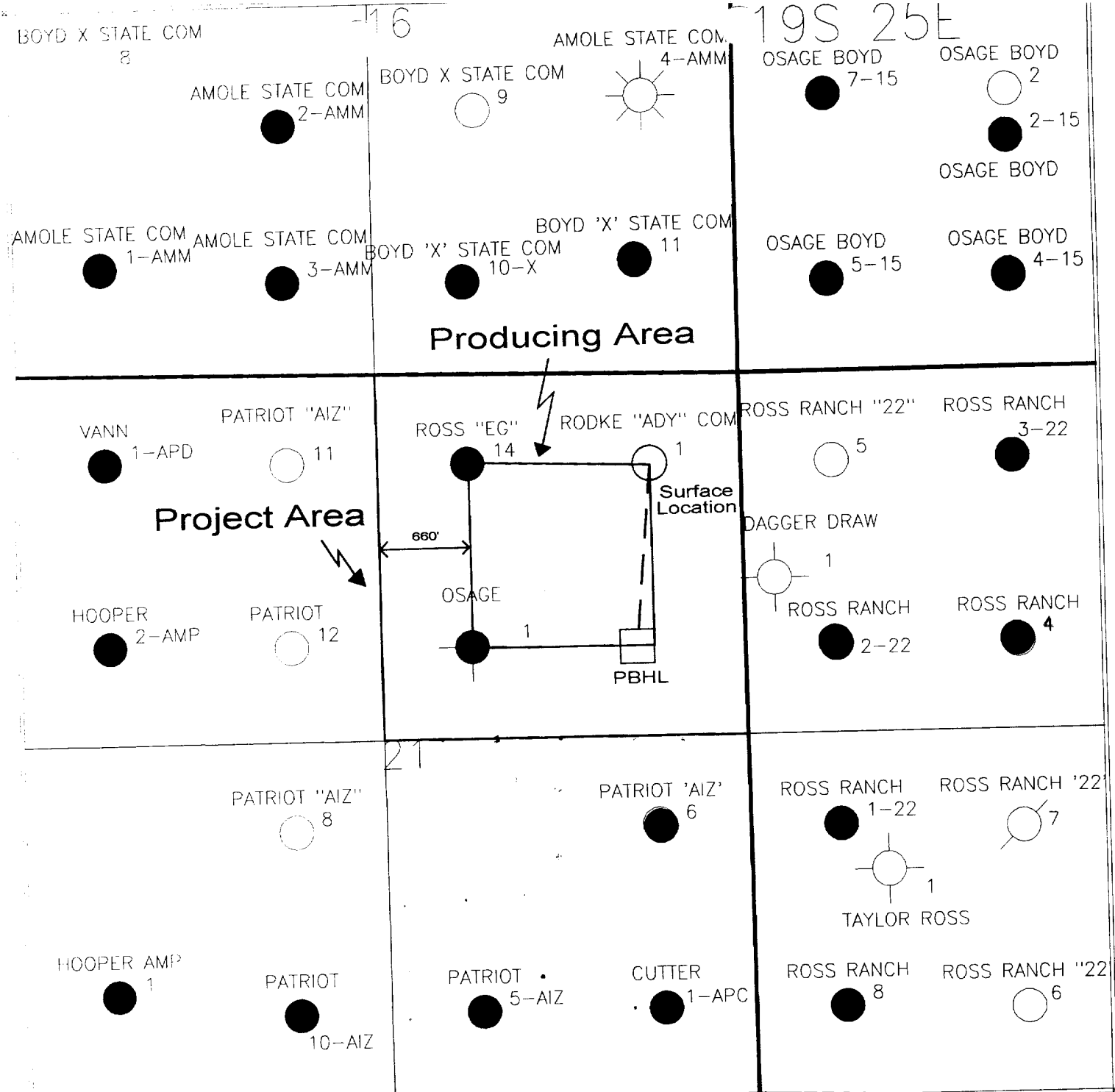
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	21	19S	25E		660'	North	660'	East	Eddy
Dedicated Acres 160	Joint or Infill	Consolidation Code	Order No.						

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

16		17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief	
		Signature: <i>Ken Beardemphl</i> Printed Name: Ken Beardemphl Title: Landman Date: July 26, 2000	
		18 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.	
		Date of Survey Signature and Seal of Professional Surveyor: REFER TO ORIGINAL PLAT Certificate Number:	

-16

19S 25E



Surface Location: 660' FNL & 660' FEL Sec. 21-T19S-R25E
 Proposed Bottom Hole Location: 1980' FNL & 760' FEL Sec. 21-T19S-R25E

Yates Petroleum Corporation		
RODKE "ADY" #1-H Section 21 T19S-R25E		
Geot. B. May		4/25/2000
Id	Scale 1:12000.	ddrodke1.gpf

Bid Request
Yates Petroleum

This information is only approximate. Final form may vary

Rodke AOY Com. #1-H

Surface Location: Sec. 21 T19S-R25E, 660' N & E
BH Location: Sec. 21 19S-25E 1,980' FNL & 760' FEL
Eddy County, NM, 8,200' (TVD), 8,880' (MD) Canyon



Procedure:

Well will be drilled vertically to a depth of 7,028'. At this point the well will be "kicked off" and a build rate of 5 degrees/100' will be utilized. A maximum angle of 30 degrees will be obtained and held, and the 8 3/4" pilot hole will then be drilled to 8,200' TVD, 8,320' MD. At this point 7" casing will then be set. A casing whipstock will then be set inside the 7" at 7,682' TVD and a window will be milled out of the 7". A 4 3/4" bit and 2 7/8" drillpipe will then be picked up and directional drilling will resume. A build rate of 41 degrees/100' will be utilized until a maximum angle of 90 degrees is reached. The 90 degree angle will be held and the 4 3/4" hole will be horizontally drilled to a bottom hole location of 1,980' N & 760' E.

Geological Program

Expected Tops (All depths are TVD):

SAN ANDRES	Depth: 707
GLORIETA	Depth: 2263
BONE SPRING LST	Depth: 3717
THIRD SAND	Depth: 5590
WOLFCAMP LST	Depth: 5953
CANYON LST	Depth: 7682
CANYON DOLOMITE	Depth: 7735
TD	Depth: 8200

Drilling Program

All Depths are Measured Depth

Hole Size		Casing Program		
Size	Depth To	Size	Weight	Depth
14.75"	1150'	9.625"	36#J-55	1150'
8.75"	8320'	7"	23#, 26#	TD
			J-55, N-80	

4 3/4" OPEN HOLE 7,682'-8,880' (MD).

Mud Program

Depth		Type	Weight
From	To		
0	1150'	FW GEL/LCM Vis: 30 WL: N.C	8.3-8.6 Chl:
1150'	5200'	FW Vis: 28 WL: N/C	8.3-8.6 Chl:
5200'	7200'	CUT BRINE Vis: 29 WL: N/C	9.0- 9.2 Chl: 60,000
7200'	TD	CUT BRINE/STARCH	9.0-9.2

Vis: 30-34 WL: 10 OR LESS Chl: 60,000
Fresh water will be used to drill the horizontal lateral.

Directions to Location

GO..SOUTH..OF..ARTESIA..ON..HIGHWAY..285..FOR..APPROX....
13..MILES..TURN..WEST..ON..ROCK.N.R.RED.RANCH.RD..FOR....
APPROX..5.3..MILES..TURN..SOUTH..ON..LEASE..ROAD..FOR....
1/4..OF..A..MILE..THEN..TURN..EAST..FOR..1/8..OF..A..MILE

Job Number: Lateral Hole

State/Country: NM/USA

Company: Yates Petroleum Corporation
Lease/Well: Rodke AOY Com. #1-H
Location: 19S-25E, Section 21
Rig Name:
RKB:
G.L. or M.S.L.:

Declination:
Grid:
File name: C:\WINSERVE\RODKE.SVY
Date/Time: 13-Jun-00 / 09:19
Curve Name:



WINSERVE SURVEY CALCULATIONS
Minimum Curvature Method
Vertical Section Plane 355.67
Vertical Section Referenced to offset from Wellhead: EW = .00 Ft, NS = .00 Ft
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	CLOSURE Distance FT	CLOSURE Direction Deg	Dogleg Severity Deg/100
Sidetrack wellbore off of whipstock out of 7" casing with 4 3/4" bit.									
Begin building angle at 60 deg/100'.									
7721.56	30.00	355.41	7682.00	200.00	-10.00	200.18	200.25	357.14	.00
7751.56	42.20	355.41	7706.19	217.59	-11.41	217.83	217.89	357.00	40.67
7781.56	54.40	355.41	7726.11	239.87	-13.20	240.18	240.23	356.85	40.67
7811.56	66.60	355.41	7740.86	265.85	-15.29	266.25	266.29	356.71	40.67
7841.56	78.80	355.41	7749.76	294.35	-17.58	294.83	294.87	356.58	40.67
Reach 90 degree inclination at 7750' TVD and hold angle for lateral.									
7869.09	90.00	355.41	7752.44	321.61	-19.77	322.19	322.22	356.48	40.67
7969.09	90.00	355.41	7752.44	421.29	-27.78	422.19	422.21	356.23	.00
8069.09	90.00	355.41	7752.44	520.97	-35.79	522.19	522.20	356.07	.00
8169.09	90.00	355.41	7752.44	620.65	-43.80	622.19	622.19	355.96	.00
8269.09	90.00	355.41	7752.44	720.33	-51.81	722.18	722.19	355.89	.00
8369.09	90.00	355.41	7752.44	820.01	-59.82	822.18	822.19	355.83	.00
8469.09	90.00	355.41	7752.44	919.69	-67.83	922.18	922.18	355.78	.00
8569.09	90.00	355.41	7752.44	1019.36	-75.84	1022.18	1022.18	355.74	.00
8669.09	90.00	355.41	7752.44	1119.04	-83.85	1122.18	1122.18	355.71	.00
8769.09	90.00	355.41	7752.44	1218.72	-91.86	1222.18	1222.18	355.69	.00
8869.09	90.00	355.41	7752.44	1318.40	-99.87	1322.18	1322.18	355.67	.00
8880.00	90.00	355.41	7752.44	1329.28	-100.75	1333.09	1333.09	355.67	.00
End of lateral at BHL of 1980' FNL and 760' FEL.									

Job Number: Pilot Hole

State/Country: NM/USA

Company: Yates Petroleum Corporation
Lease/Well: Rodke AOY Com. #1-H
Location: 19S-25E, Section 21
Rig Name:
RKB:
G.L. or M.S.L.:

Declination:
Grid:
File name: C:\WINSERVE\RODKE.SVY
Date/Time: 13-Jun-00 / 09:20
Curve Name:

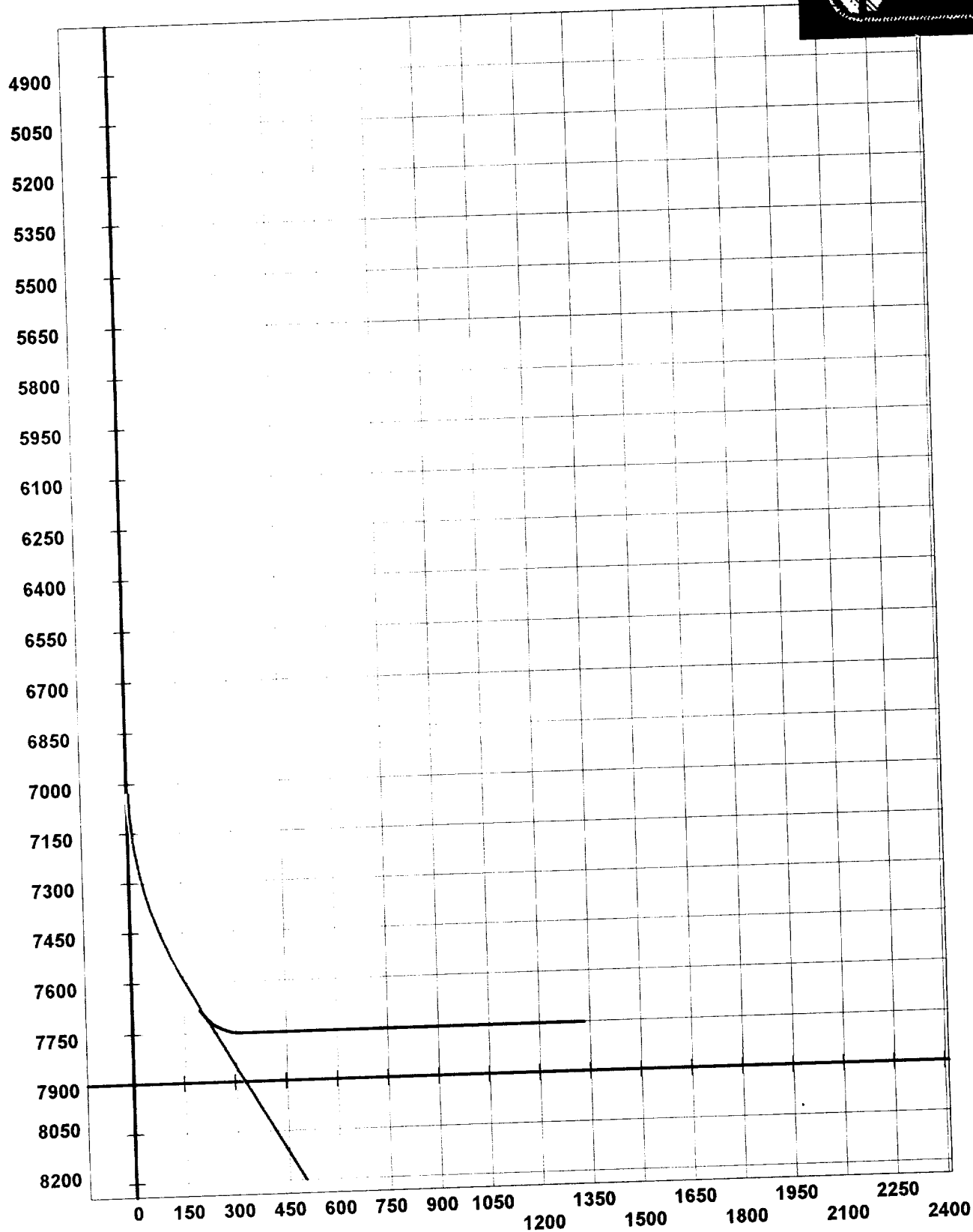
WINSERVE SURVEY CALCULATIONS
Minimum Curvature Method
Vertical Section Plane 355.67
Vertical Section Referenced to offset from Wellhead: EW=.00 Ft, NS=.00 Ft
Rectangular Coordinates Referenced to Wellhead

Measured	Incl	Drift	True			Vertical	CLOSURE	CLOSURE	Dogleg
Depth	Angle	Direction	Vertical	N-S	E-W	Section	Distance	Direction	Severity
FT	Deg	Deg	Depth	FT	FT	FT	FT	Deg	Deg/100
Kick Off Point, Build 5 degrees/100'									
7028.11	.00	357.14	7028.11	.00	.00	.00	.00	.00	.00
7058.11	1.50	357.14	7058.11	.39	-.02	.39	.39	357.14	5.00
7088.11	3.00	357.14	7088.08	1.57	-.08	1.57	1.57	357.14	5.00
7118.11	4.50	357.14	7118.02	3.53	-.18	3.53	3.53	357.14	5.00
7148.11	6.00	357.14	7147.89	6.27	-.31	6.28	6.28	357.14	5.00
7178.11	7.50	357.14	7177.68	9.79	-.49	9.80	9.80	357.14	5.00
7208.11	9.00	357.14	7207.37	14.09	-.70	14.10	14.11	357.14	5.00
7238.11	10.50	357.14	7236.94	19.16	-.96	19.18	19.19	357.14	5.00
7268.11	12.00	357.14	7266.36	25.01	-1.25	25.03	25.04	357.14	5.00
7298.11	13.50	357.14	7295.62	31.62	-1.58	31.65	31.66	357.14	5.00
7328.11	15.00	357.14	7324.69	39.00	-1.95	39.03	39.05	357.14	5.00
7358.11	16.50	357.14	7353.57	47.13	-2.36	47.17	47.19	357.14	5.00
7388.11	18.00	357.14	7382.22	56.02	-2.80	56.07	56.09	357.14	5.00
7418.11	19.50	357.14	7410.62	65.65	-3.28	65.71	65.73	357.14	5.00
7448.11	21.00	357.14	7438.77	76.02	-3.80	76.09	76.11	357.14	5.00
7478.11	22.50	357.14	7466.63	87.12	-4.36	87.20	87.23	357.14	5.00
7508.11	24.00	357.14	7494.20	98.95	-4.95	99.04	99.07	357.14	5.00
7538.11	25.50	357.14	7521.44	111.49	-5.57	111.59	111.63	357.14	5.00
7568.11	27.00	357.14	7548.34	124.74	-6.24	124.86	124.90	357.14	5.00
7598.11	28.50	357.14	7574.89	138.69	-6.93	138.82	138.87	357.14	5.00
Hold angle at 30 degrees.									
7628.11	30.00	357.14	7601.07	153.33	-7.67	153.47	153.52	357.14	5.00
7721.56	30.00	357.14	7682.00	200.00	-10.00	200.18	200.25	357.14	.00
7821.56	30.00	357.14	7768.60	249.94	-12.50	250.17	250.25	357.14	.00
7921.56	30.00	357.14	7855.21	299.88	-14.99	300.15	300.25	357.14	.00
8021.56	30.00	357.14	7941.81	349.81	-17.49	350.13	350.25	357.14	.00
8121.56	30.00	357.14	8028.41	399.75	-19.99	400.12	400.25	357.14	.00

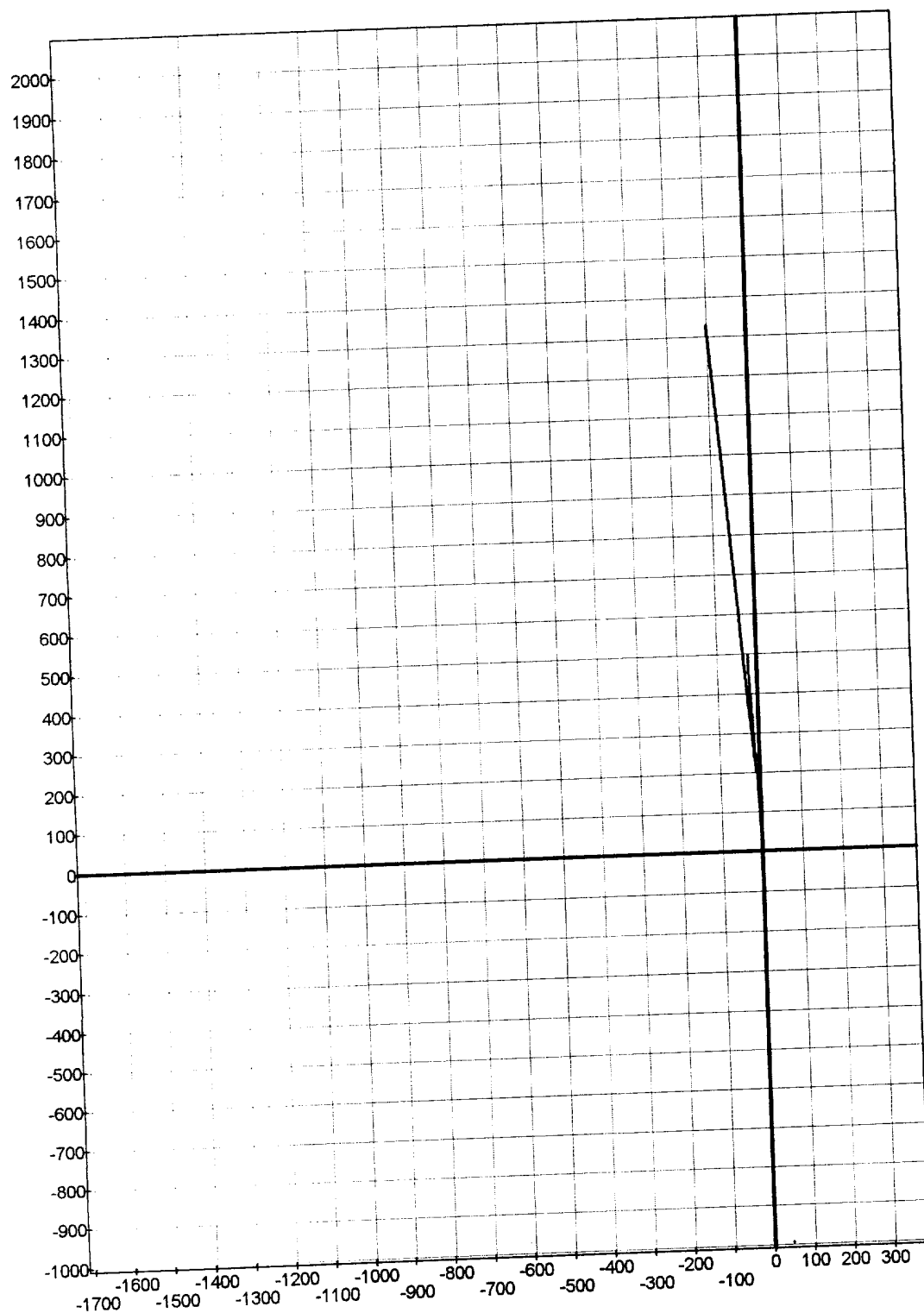
Measured	Incl	Drift	True			Vertical	CLOSURE	CLOSURE	Dogleg
Depth	Angle	Direction	Vertical	N-S	E-W	Section	Distance	Direction	Severity
FT	Deg	Deg	Depth	FT	FT	FT	FT	Deg	Deg/100
8221.56	30.00	357.14	8115.01	449.69	-22.48	450.10	450.25	357.14	.00
8319.70	30.00	357.14	8200.00	498.69	-24.93	499.15	499.32	357.14	.00

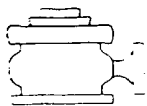
TD pilot hole at 30 degrees.

Company: Yates Petroleum Corporation
Lease/Well: Rodke AOY Com. #1-H



Company: Yates Petroleum Corporation
Lease/Well: Rodke AOY Com. #1-H

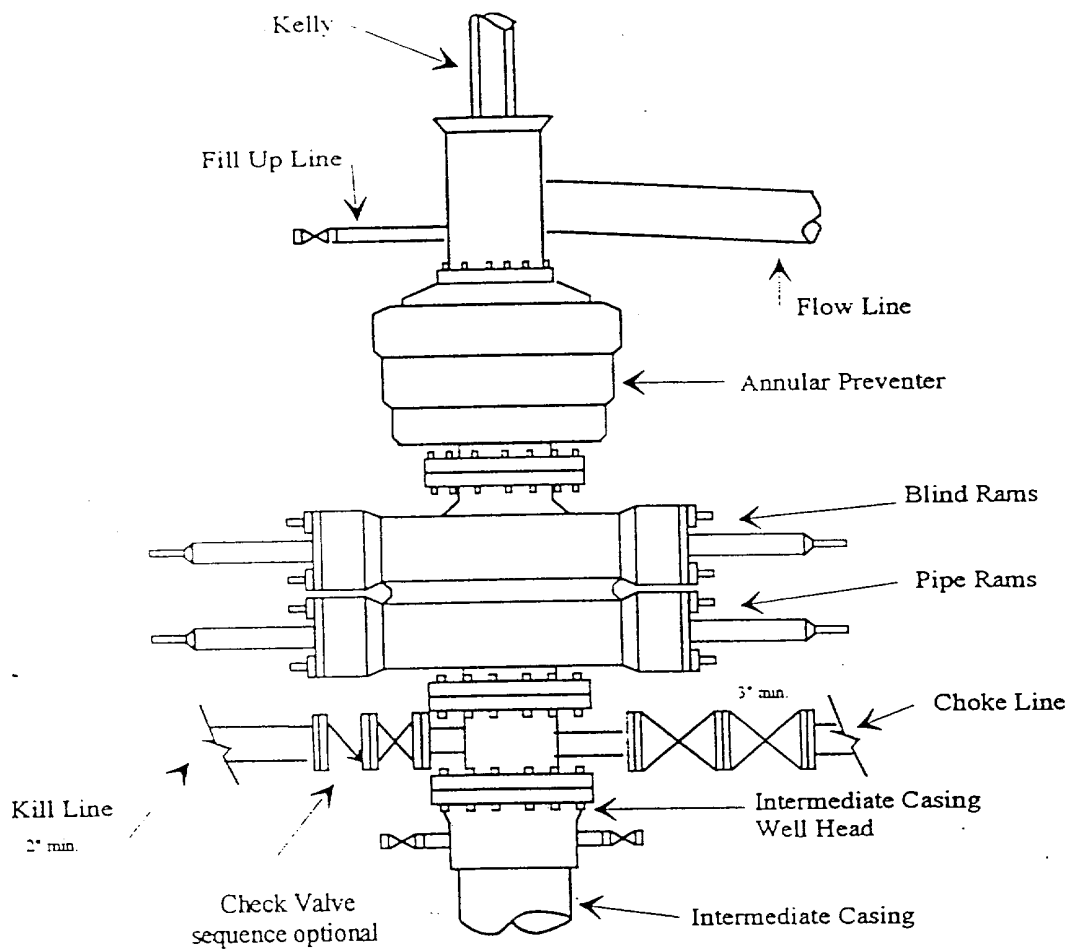




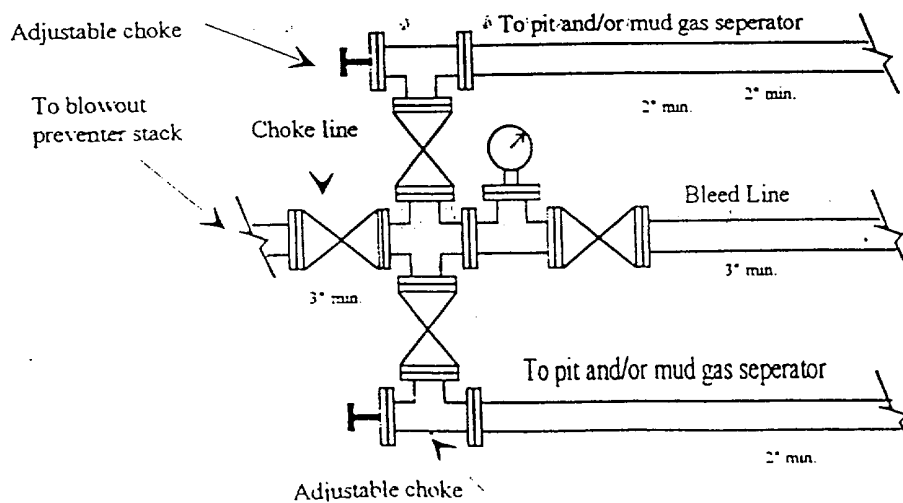
Yates Petroleum Corporation

BOP-3

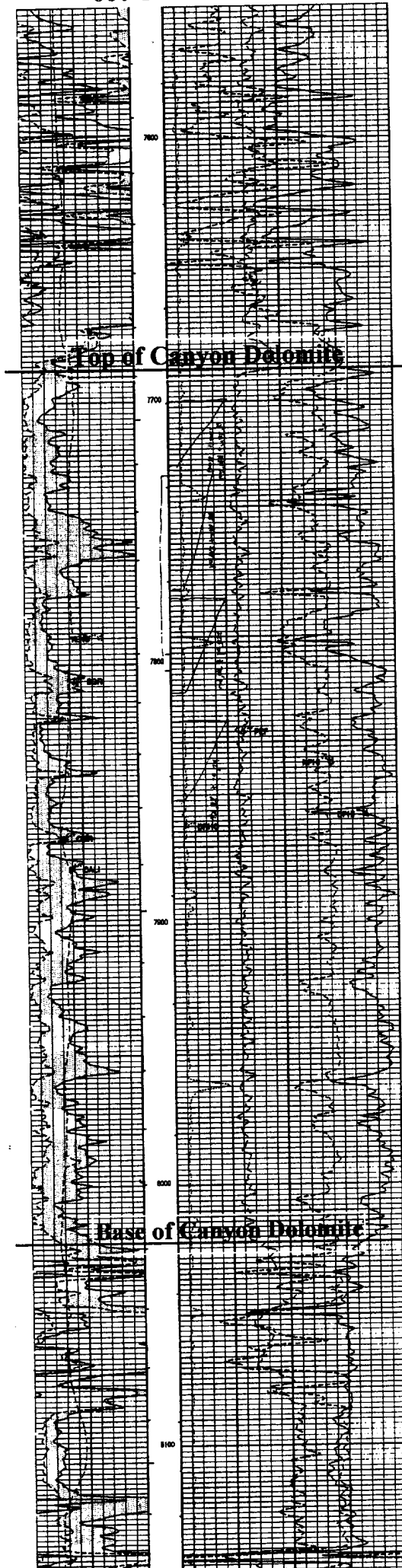
Typical 3,000 psi Pressure System
Schematic
Annular with Double Ram Preventer Stack



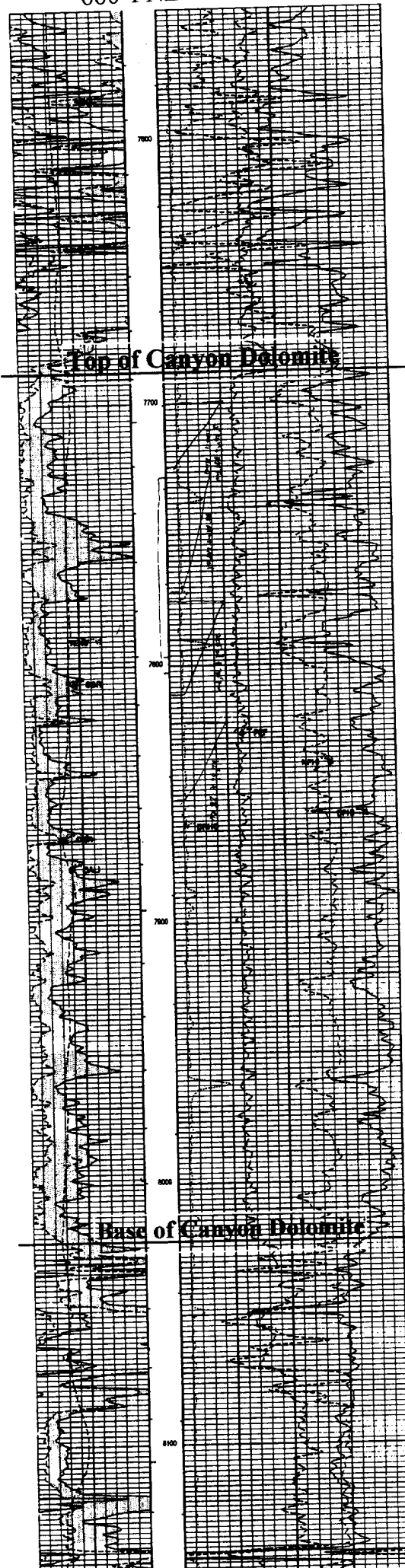
Typical 3,000 psi choke manifold assembly with at least these minimum features



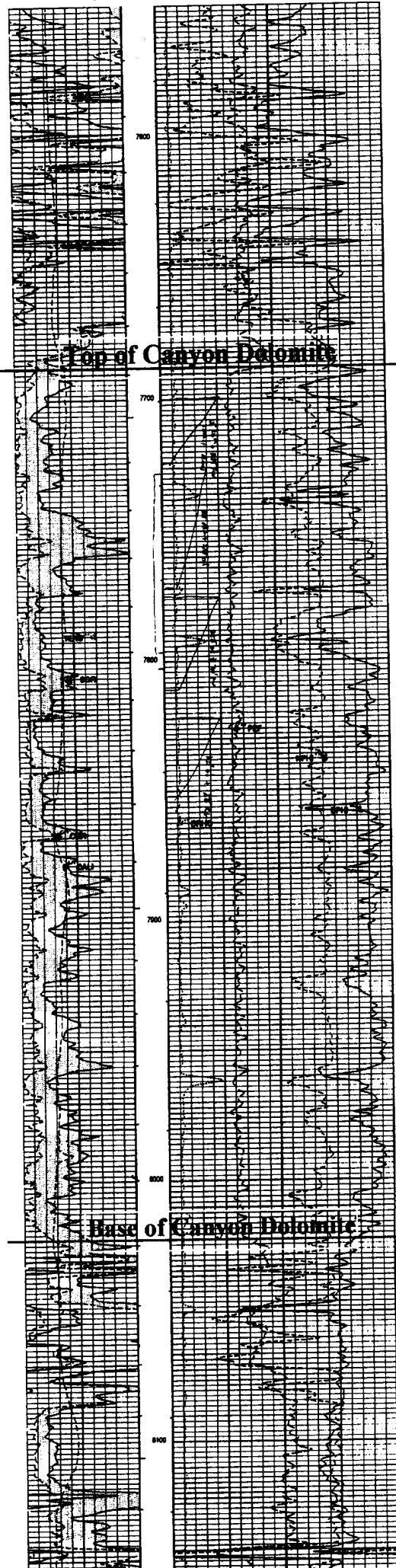
YATES PET
ROSS 14
019.0S 025.0E 021
660' FNL & 1980' FEL



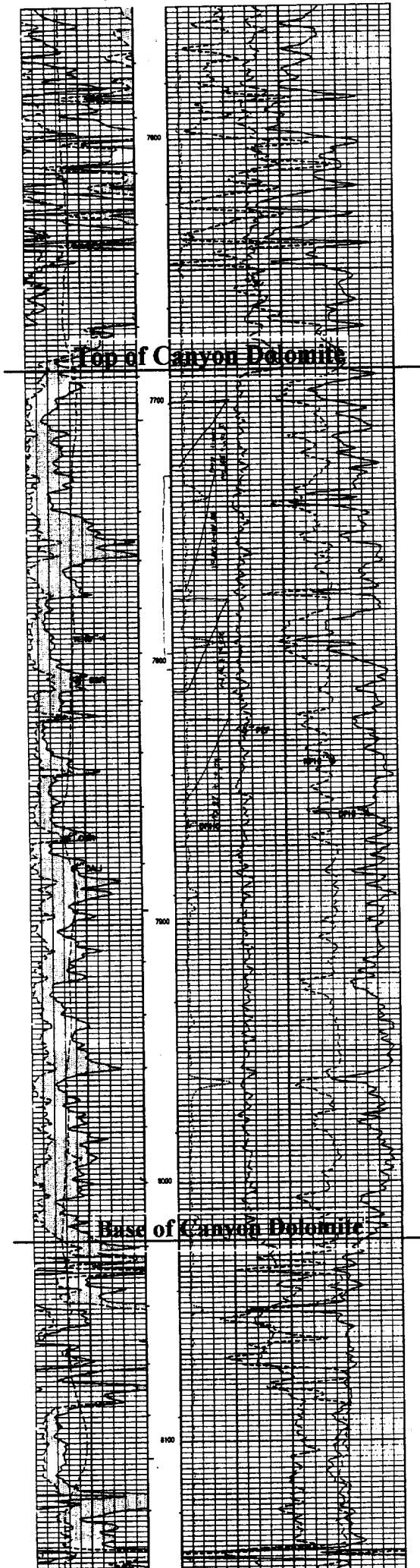
YATES PET
ROSS 14
019.0S 025.0E 021
660' FNL & 1980' FEL



YATES PET
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019.0S 025.0E 021
660' FNL & 1980' FEL



YATES PET
ROSS 14
019.0S 025.0E 021
660' FNL & 1980' FEL



YAI PET
ROSS 14
019.0S 025.0E 021
660' FNL & 1980' FEL

