

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 6-101
Revised March 19, 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 API Number 30-015-28269
⁴ Property Code	⁵ Property Name Boyd X State	⁶ Well No. 5-H

⁷ Surface Location

UL or lot no.	Section	Township	Range	Lot 1dn	Feet from the	North/South line	Feet from the	East/West line	County
P	29	19-S	25-E		1980'	South	660'	East	Eddy

⁸ Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot 1dn	Feet from the	North/South line	Feet from the	East/West line	County
I	29	19-S	25-E		660'	South	760'	East	Eddy

⁹ Proposed Pool 1

Dagger Draw Upper Penn, North

¹⁰ Proposed Pool 2

¹¹ Well Type Code P	¹² Well Type Code O	¹³ Cable/Rotary Rotary	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3511'
¹⁶ Multiple No	¹⁷ Proposed Depth 9055' MD	¹⁸ Formation Canyon	¹⁹ Contractor Not Determined	²⁰ Spud Date ASAP

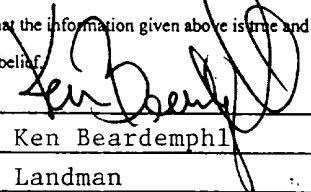
²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
14 3/4"	9 5/8"	36#	1165'	1200 sx	In Place
8 3/4"	7"	23# & 26#	8380'	1200 sx	In Place
4 3/4"	Open Hole	Open Hole	9055' 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.

PLEASE SEE 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. GUN	
Printed name: Ken Beardemphl		Title: DISTRICT II SUPERVISOR	
Title: Landman		Approval Date: JUL 24 2000 Expiration Date: JUL 24 2001	
Date: July 19, 2000	Phone: (505) 748-1471	Conditions of Approval: Attached ☐	

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State of New Mexico
Energy, Minerals & Natural ResourcesOIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505Form C-102
Revised March 17, 1999Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-28269		¹ Pool Code	¹ Pool Name Dagger Draw Upper Penn, North
¹ Property Code	¹ Property Name Boyd X State		¹ Well Number 5-H
¹ OGRID No. 025575	¹ Operator Name Yates Petroleum Corporation		¹ Elevation 3511'

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
P	29	19-S	25-E		1980'	South	660'	East	Eddy

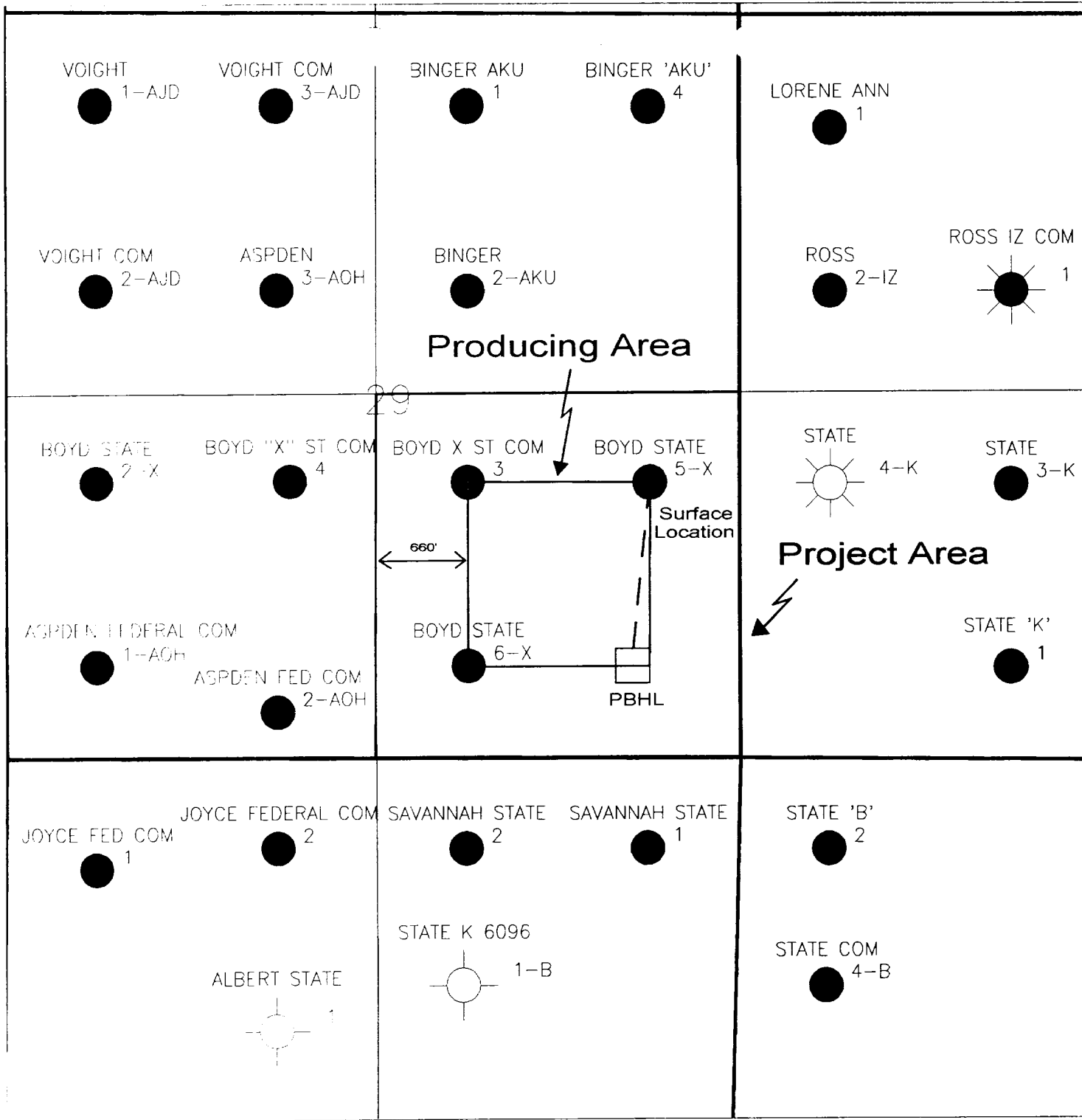
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	29	19-S	25-E		660'	South	760'	East	Eddy

¹² Dedicated Acres 160	¹² Joint or Infill	¹² Consolidation Code	¹² Order No.
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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 <u>Ken Beardemphl</u> Printed Name <u>Ken Beardemphl</u> Title <u>Landman</u> Date <u>July 19, 2000</u>
				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 Surveyer: REFER TO ORIGINAL PLAT Certificate Number



Surface Location: 1980' FSL & 660' FEL Sec. 29-T19S-R25E
 Proposed Bottom Hole Location: 660' FSL & 760' FEL Sec. 29-T19S-R25E

Yates Petroleum Corporation

BOYD X #5-H Section 29 T19S-R25E

Geot B. May

4/27/2000

kd

Scale 1:12000.

ddb0yd5.gpf

Drilling Prognosis Yates Petroleum

This information is only approximate. Final form may vary

Boyd X State #5-H

Surface: Sec. 29 19S-25E 1,980' S & 660' E

Bottom Hole: 660' S & 760' E

Eddy County, NM, 9,055' MD Canyon

Procedure:

YPC plans to re-enter this well which was drilled in 1995. The well is currently producing. The tubing and sub pump will be pulled from the well, and the perforations will be left open. A cast iron bridge plug will be set at +/-7,700'. A whipstock will then be set inside of the casing on top of the CIBP. A window will then be milled in the casing at 7,680', and the wellbore will be sidetracked out of the 7" casing. A 4 3/4" bit will be used for the horizontal lateral. A build rate of 60 deg/100' will be used until a final inclination of 90 degrees is reached. This should occur at 7,820' MD, 7,770' TVD. From this point the 90 degree angle will be maintained and a lateral approximately 1,220' long will be drilled. The end of the lateral will be 9,055' MD, 7,770' TVD.

Geological Program

Expected Tops:

SAN ANDRES	Depth: 697
GLORIETA	Depth: 2213
YESO	Depth: 2371
BONE SPRING	Depth: 3680
WOLFCAMP LST	Depth: 6041
CANYON LST	Depth: 7680
CANYON DOLOMITE	Depth: 7750*
TD	Depth: 7770' TVD, 9,055' MD

*This depth is the middle of the productive Canyon Dolomite.

Drilling Program

Hole Size		Casing Program		
Size	Depth To	Size	Weight	Depth
14.75"	1165'	9.625"	36#J-55	1165'
8.75"	8380'	7"	23#, 26#	8380'
4.75"	9,055' MD	OPEN HOLE		

NOTE: The 9.625" and 7" casing strings are set and cemented in place.

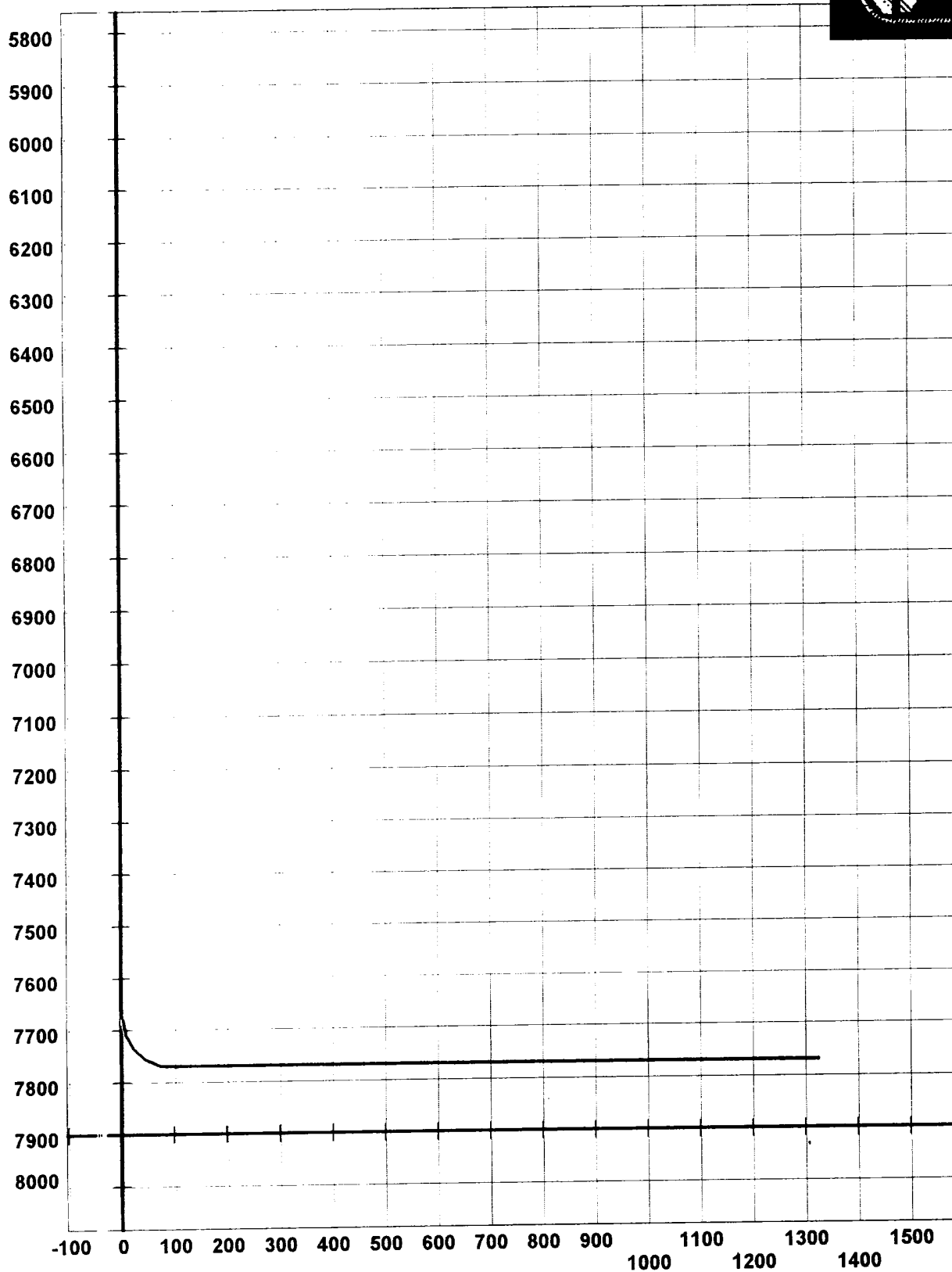
Mud Program

Depth		Type	Weight
From	To		
0'	TD	FW	8.4-8.6
		Vis: 28-32	

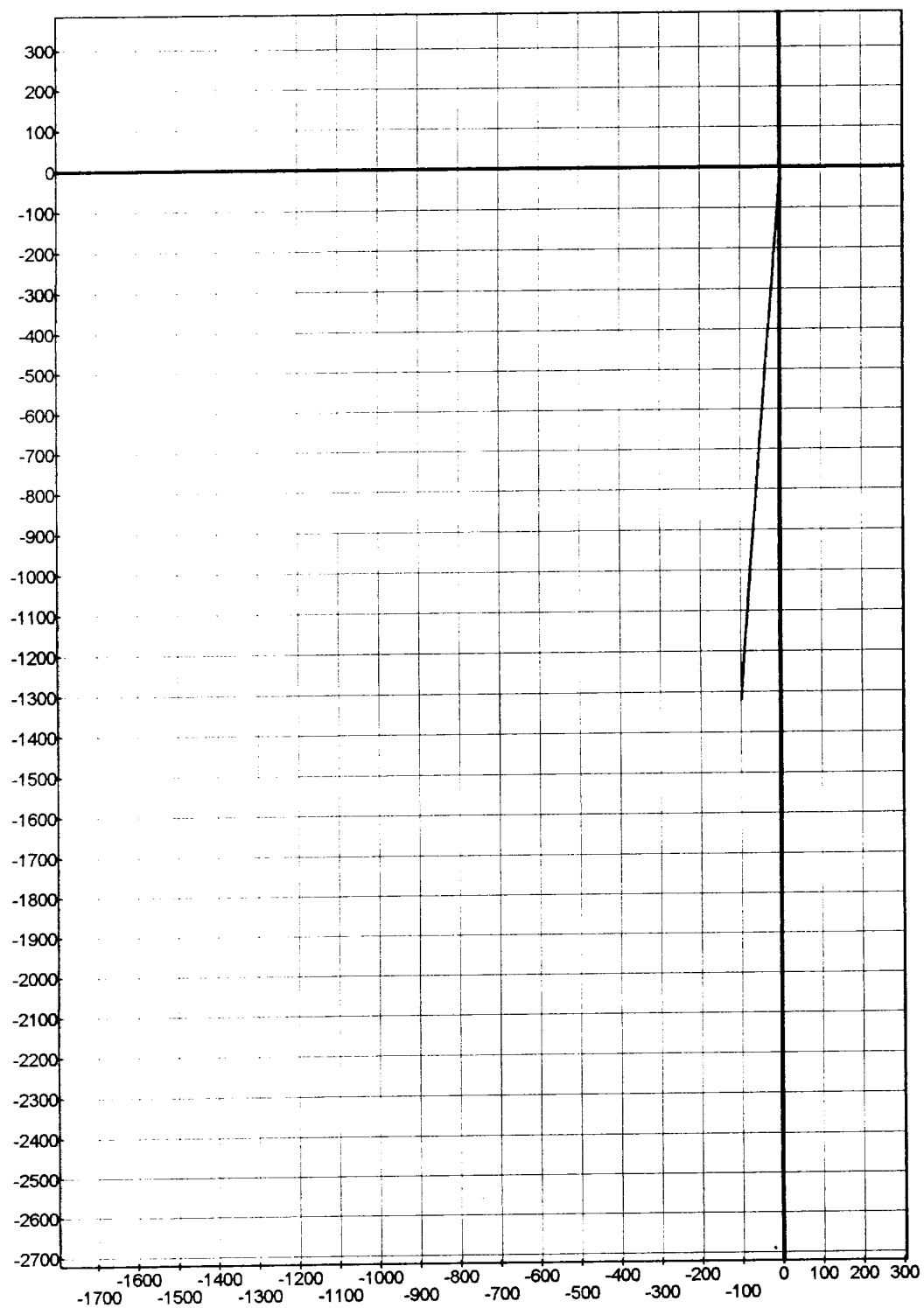
Directions to Location

GO APPROXIMATELY 15 MILES SOUTH OF ARTESIA ON HIGHWAY 285
TURN WEST ON ROCK N R RED ROAD FOR 8 MILES. TURN SOUTH
ON CROSSBACK ROAD FOR APPROXIMATELY 2 MILES. TURN EAST
FOR APPROXIMATELY 1 MILE TO LOCATION.

Company: Yates Petroleum Corporation
Lease/Well: Boyd X State #5



Company: Yates Petroleum Corporation
Lease/Well: Boyd X State #5



Job Number: 1

State/Country: NM/USA

Company: Yates Petroleum Corporation

Declination:

Lease/Well: Boyd X State #5

Grid:

Location: Sec. 29 T19S-R25E

File name: C:\WINSERVE\BOYDX5.SVY

Rig Name: N/A

Date/Time: 14-Jun-00 / 14:14

RKB:

Curve Name:

G.L. or M.S.L.

WINSERVE SURVEY CALCULATIONS

Minimum Curvature Method

Vertical Section Plane 184.33

Vertical Section Referenced to offset from Wellhead: EW =.00 Ft, NS=.00 Ft

Rectangular Coordinates Referenced to Wellhead

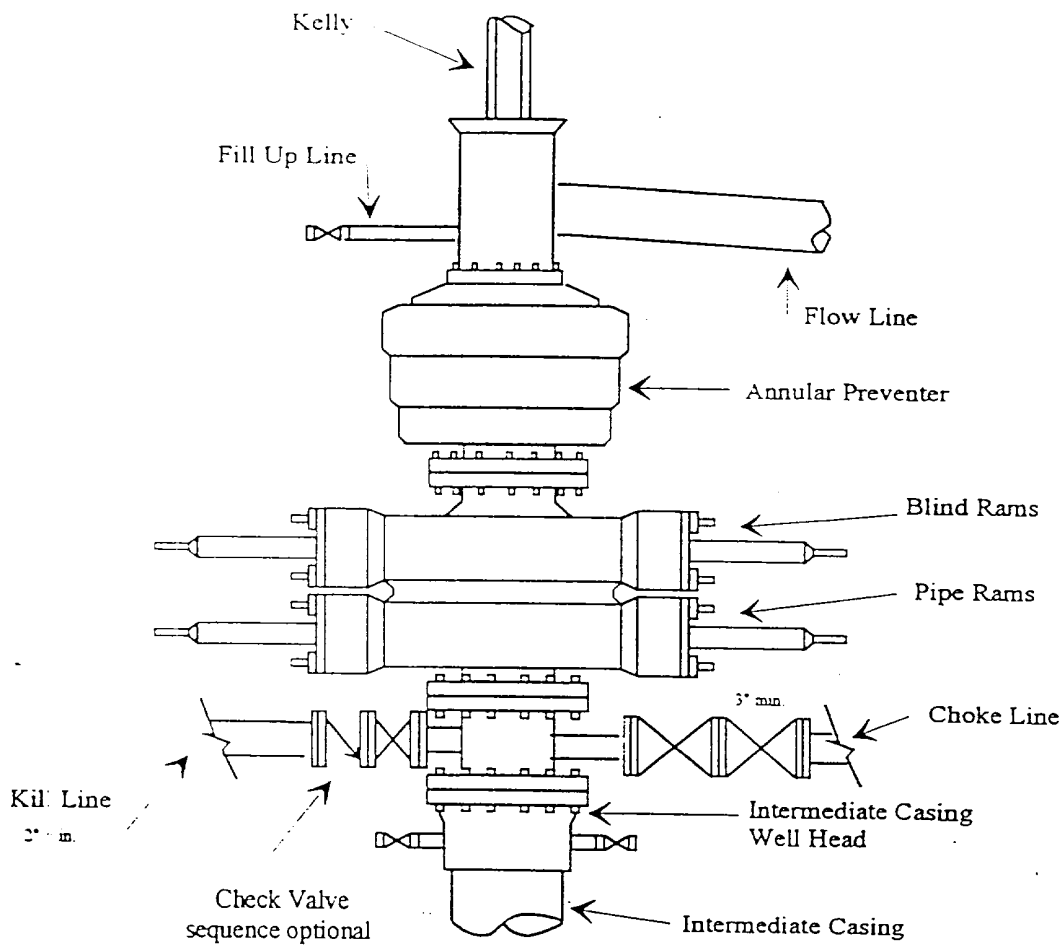
Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	CLOSURE Direction Deg	Dogleg Severity Deg/100
7680.00	.00	184.33	7680.00	.00	.00	.00	.00	.00	.00
7710.00	19.10	184.33	7709.45	-4.94	-.37	4.95	4.95	184.33	63.66
7740.00	38.20	184.33	7735.65	-19.22	-1.46	19.27	19.27	184.33	63.66
7770.00	57.30	184.33	7755.73	-41.25	-3.13	41.37	41.37	184.33	63.66
7800.00	76.39	184.33	7767.47	-68.63	-5.20	68.83	68.83	184.33	63.66
7821.37	90.00	184.33	7770.00	-89.74	-6.80	90.00	90.00	184.33	63.66
7921.37	90.00	184.33	7770.00	-189.46	-14.35	190.00	190.00	184.33	.00
8021.37	90.00	184.33	7770.00	-289.17	-21.91	290.00	290.00	184.33	.00
8121.37	90.00	184.33	7770.00	-388.89	-29.46	390.00	390.00	184.33	.00
8221.37	90.00	184.33	7770.00	-488.60	-37.02	490.00	490.00	184.33	.00
8321.37	90.00	184.33	7770.00	-588.31	-44.57	590.00	590.00	184.33	.00
8421.37	90.00	184.33	7770.00	-688.03	-52.12	690.00	690.00	184.33	.00
8521.37	90.00	184.33	7770.00	-787.74	-59.68	790.00	790.00	184.33	.00
8621.37	90.00	184.33	7770.00	-887.46	-67.23	890.00	890.00	184.33	.00
8721.37	90.00	184.33	7770.00	-987.17	-74.79	990.00	990.00	184.33	.00
8821.37	90.00	184.33	7770.00	-1086.89	-82.34	1090.00	1090.00	184.33	.00
8921.37	90.00	184.33	7770.00	-1186.60	-89.89	1190.00	1190.00	184.33	.00
9021.37	90.00	184.33	7770.00	-1286.31	-97.45	1290.00	1290.00	184.33	.00
9055.15	90.00	184.33	7770.00	-1320.00	-100.00	1323.78	1323.78	184.33	.00



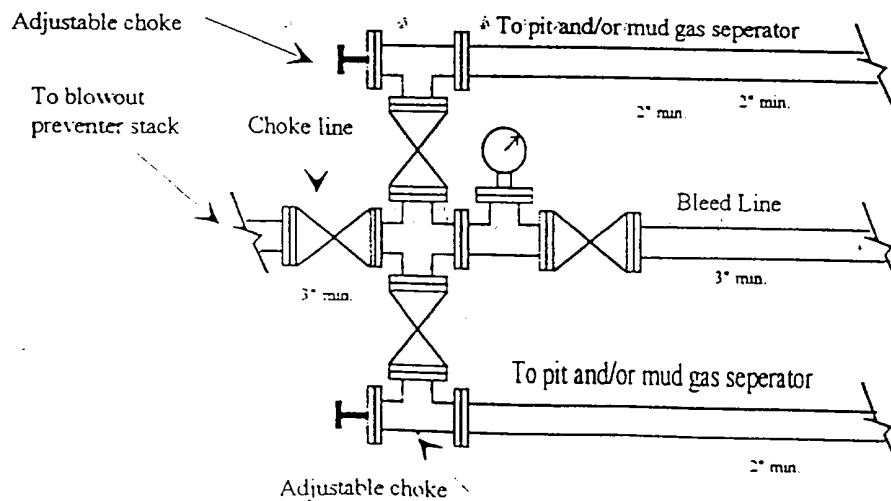
Yates Petroleum Corporation

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

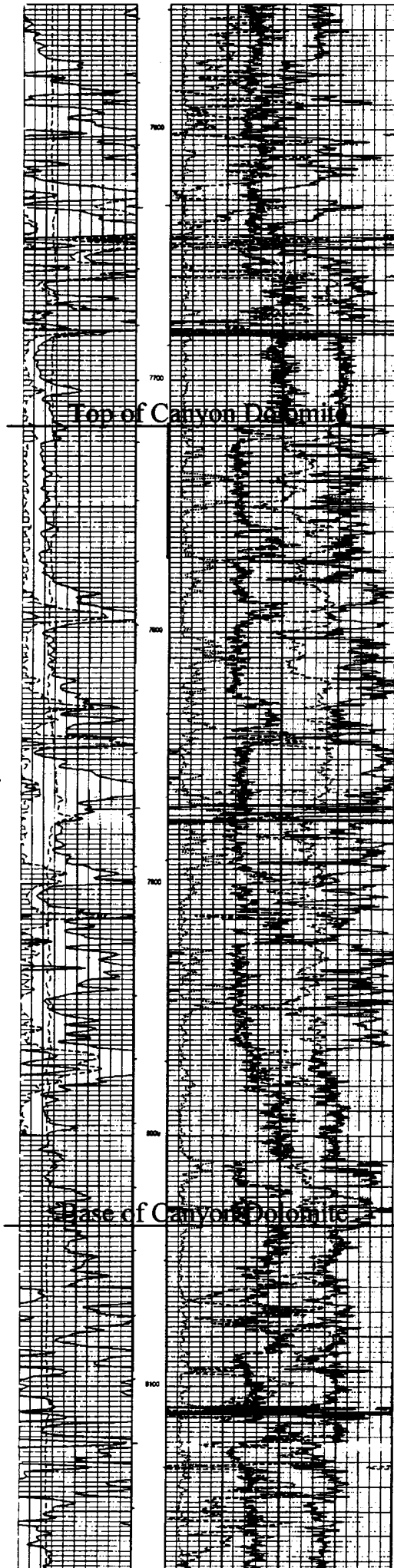


YATES PETROLEUM CORP

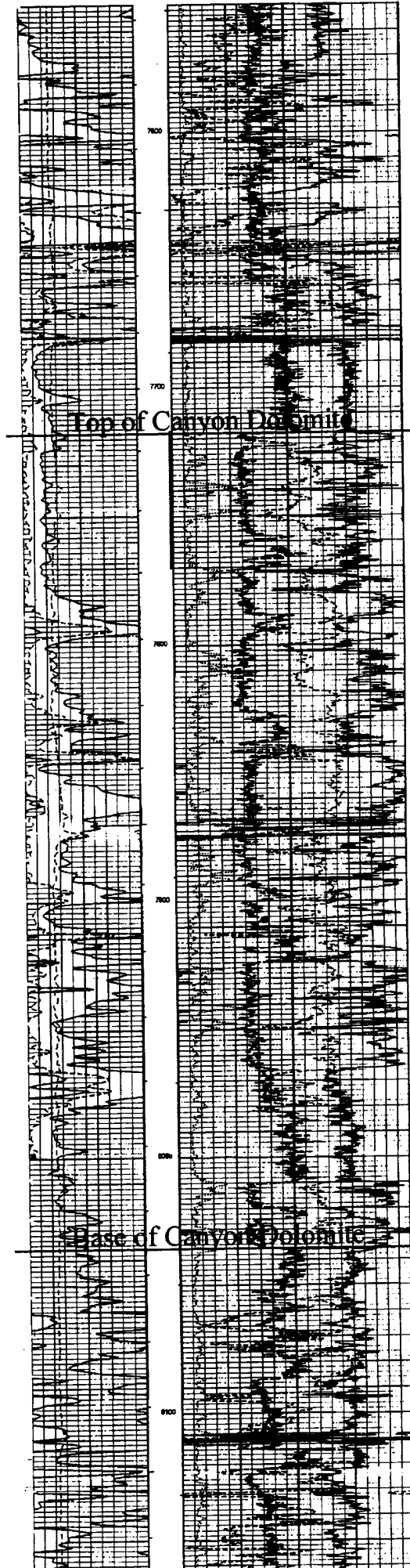
BC 'X' STATE COM 5

19.0S 25.0E 029

1980' FSL & 660' FEL



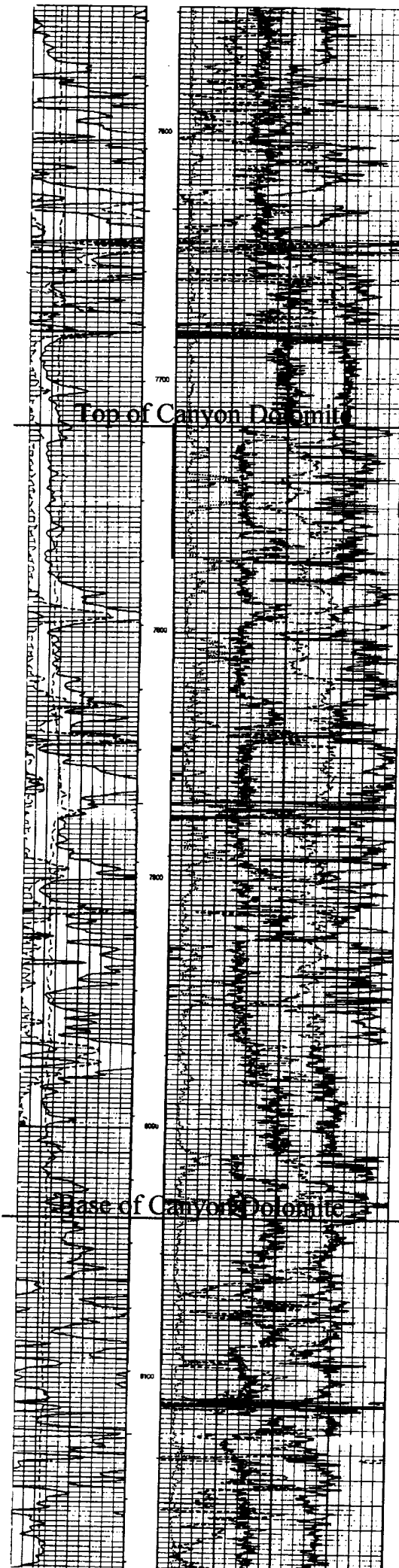
YATES PETROLEUM CORP
BOY X' STATE COM 5
19.0S 25.0E 029
1980' FSL & 660' FEL



WYD 'X' STATE COM 5

19.0S 25.0E 029

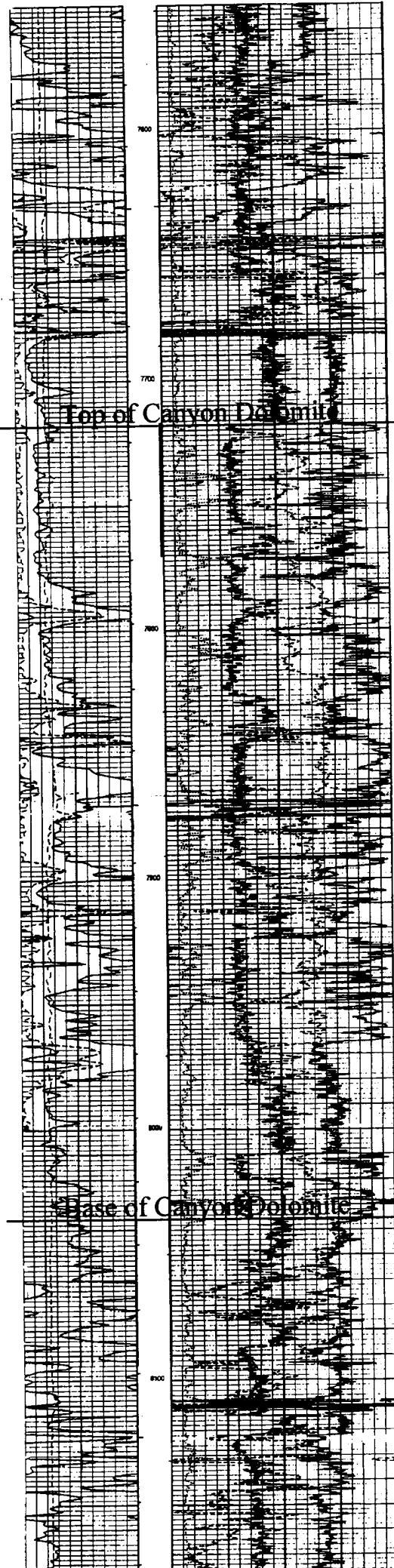
1980' FSL & 660' FEL



BC 'X' STATE COM 5

19.0S 25.0E 029

1980' FSL & 660' FEL



VATES PETROLEUM CORP

LOYD 'X' STATE COM 5

19.0S 25.0E 029

1980' FSL & 660' FEL

