

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER

SINGLE
ZONE ☒

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

YATES ENERGY CORPORATION

3. ADDRESS OF OPERATOR

P. O. Box 2323, Roswell, NM 88202-2323

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

330' FSL & 1930' FWL

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

10 miles S.E. of Loco Hills

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

330'

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

2700'

16. NO. OF ACRES IN LEASE

600.18

17. NO. OF ACRES ASSIGNED

TO THIS WELL
40

19. PROPOSED DEPTH

8800'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3779.0 GL

22. APPROX. DATE WORK WILL START*

2-20-90

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	48#	350'	405 sx. Circulate
12 1/4"	8 5/8"	24#	2400'	1240 sx. Circulate
7 7/8"	5 1/2"	15.0-17.0#	TD	600 sx.

Yates Energy Corporation proposes to drill and test the Bone Springs intervals and intermediate formations. Approximately 350' of surface casing and 2400' of intermediate casing will be set and cemented to the surface. If commercial pay is encountered, will run 5 1/2" casing and cement with a minimum of 600' of cover, perforate and stimulate as needed for production.

MUD PROGRAM: See attachment for details

BOP PROGRAM: BOP and Hydrill on 8 5/8" casing, pipe rams tested daily,
and blind rams tested on trips.

GAS NOT DEDICATED

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Sharon R. Hamilton

TITLE

Landman

DATE

11-21-89

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

Orig. Signed by [Signature]

TITLE

CARLSBAD RESOURCE AREA

DATE

12-11-89

CONDITIONS OF APPROVAL IF ANY:

NO. OF PERMITS AND

DATE OF EXPIRATION

*See Instructions On Reverse Side

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

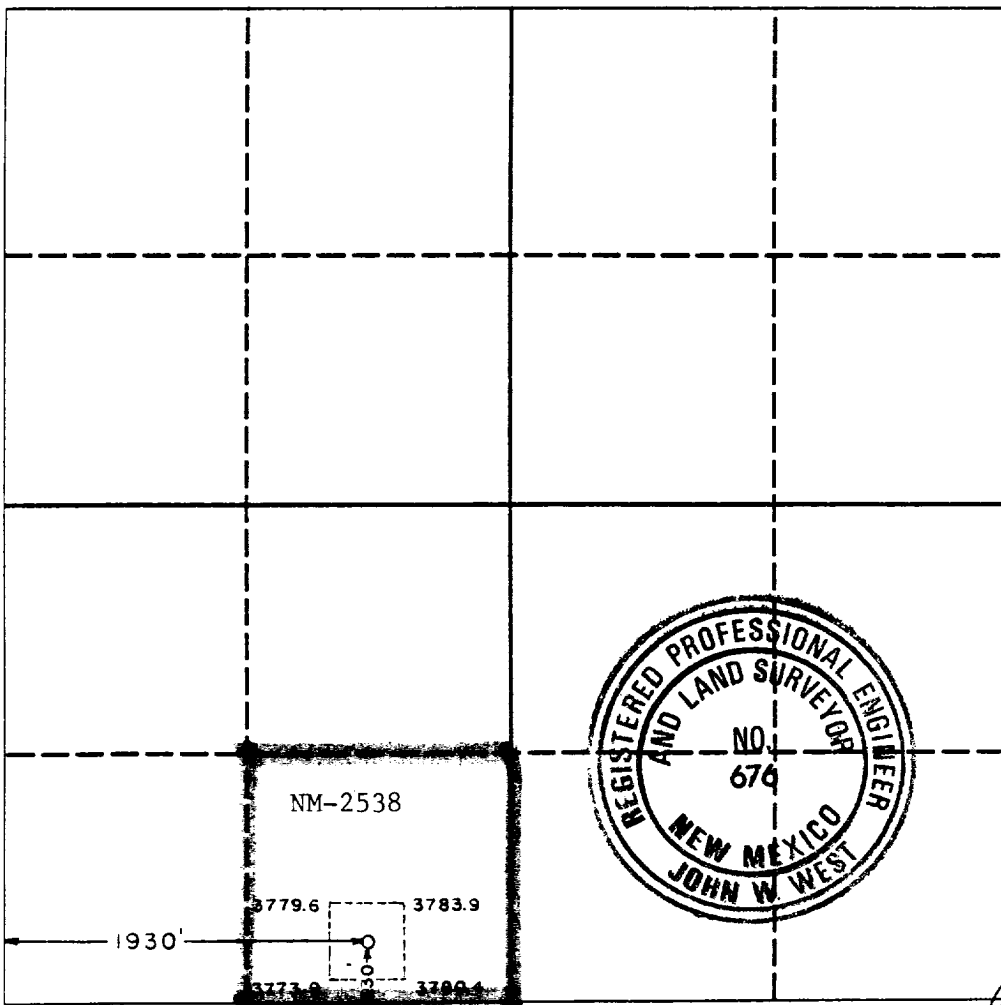
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Yates Energy Corp.			Lease Thornbush Federal		Well No. 1
Unit Letter N	Section 1	Township 18 South	Range 31 East	County Eddy	
Actual Footage Location of Well: 330 feet from the South line and 1930 feet from the West line					
Ground level Elev. 3779.0	Producing Formation Bone Springs		Pool Tamano Bone Spring	Dedicated Acreage: 40 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
☐ Yes ☐ No If answer is "yes" type of consolidation _____
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary). _____
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

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

Signature
Sharon R. Hamilton
Printed Name
Sharon R. Hamilton
Position
Landman
Company
Yates Energy Corporation
Date
11-21-89

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 knowledge and belief.

Date Surveyed
November 6, 1989
Signature & Seal of
Professional Surveyor

Certificate No. JOHN W. WEST, 676
RONALD J. EIDSON, 3239

YATES ENERGY CORPORATION
Thornbush Federal #1
330' FSL & 1930' FWL
Section 1, T18S, R31E
Eddy County, New Mexico

In conjunction with Form 9-331-C, Application for Permit to Drill the well captioned above, Yates Energy Corporation submits the following ten items of pertinent information in accordance with BLM requirements.

1. The geologic surface formation is the Quaternary.
2. The estimated tops of geologic markers are as follows:

Seven Rivers	2730'	Bone Springs "A" Zone	7370'
Queen	3430'	First BS Sand	7550'
Penrose	3660'	First BS Carbonate	7870'
Grayburg	3950'	BS Mesquite Dolomite	7900'
Delaware	4770'	BS Young Dolomite	8050'
Bone Springs	7370'	Second BS Sand	8150'

3. The estimated depths at which anticipated water, oil, or gas formations are expected to be encountered:

Water: Fresh water at approximately 350'

Oil or Gas: Bone Springs 6100', 7370', 7900', 8050'

4. Proposed Casing Program: See Form 9-331-C
5. Pressure Control Equipment: See Form 9-331-C and Exhibit.
6. Mud Program:

0 - 350'	FW Spud, 8.9-9.0#/gal.
350' - 2400'	Cut brine, 10#/gal.
2400' - 7300'	Cut brine, 8.9-9.5#/gal.
7300' - TD	SW gel, drispac & starch, 8.9-9.5#/gal., Vis. 35-40, WL 10cc or less, oil if required.
7. Auxiliary Equipment: Kelly Cock; pit level indicators and flow sensor equipment; full-opening safety valve on floor with drill pipe and collar connections.
8. Testing, Logging and Coring Program:

DST's:	If Warranted
Coring:	None planned
Logging:	Intermediate casing to TD CNL-FDC to casing with GR-CNL on to surface and DLL from TD to casing with selected RxO.
9. No abnormal pressures or temperatures are anticipated. In the event they are encountered, the proposed mud program will be modified to increase the mud weight.
10. Anticipated starting date: Around February 20, 1990. Drilling time will be approximately 21 days.

MULTI-POINT SURFACE USE AND OPERATIONS PLAN
Yates Energy Corporation
Thornbush Federal #1
330' FSL & 1930' FWL
Section 1, T18S, R31E
Eddy County, New Mexico

This plan is submitted with Form 9-331-C, Application for Permit to Drill, covering the above described well. The purpose of this plan is to describe the location of the proposed well, the proposed construction activities and operations plan, the magnitude of surface disturbance involved and the procedures to be followed in rehabilitating the surface after completion of the operations, so that a complete appraisal can be made of the environmental effect associated with the operations.

1. EXISTING ROADS

Exhibit A is a portion of a BLM topographic map showing the roads in the vicinity of the proposed location. The proposed well site is approximately 10 miles southeast of Loco Hills. The access route is indicated in red. The BLM right-of-way is indicated in blue.

Directions:

1. Travel east from Loco Hills on US 85 for 7 miles to County Road 222.
2. Turn south on County Road 222 and go approx. 4 miles to County Road 249.
3. Turn southeast on County Road 249 and go approx. 1.1 miles.
4. Turn northeast at gravel pit onto field road, go approx. 2.2 miles.
5. Turn north at second gravel pit and go approx. 1 mile to location.

2. PLANNED ACCESS ROAD

- A. Approximately 3300' of existing road will be bladed with drainage on one side and surfaced where needed, no new road will be built.

3. LOCATION OF EXISTING WELLS

- A. There are none in the near vicinity.

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

- A. There are no production facilities on this lease at this time.
- B. If the well proves to be commercial, the necessary production facilities will be installed on the drilling pad.

5. LOCATION AND TYPE OF WATER SUPPLY

- A. It is planned to drill this well with fresh and/or brine water. The water will be obtained from commercial sources and trucked to the location via the proposed route.

6. SOURCES OF CONSTRUCTION MATERIALS

- A. Caliche, if possible, for surfacing the road and the well pad will be taken from the pad area.

7. METHODS OF HANDLING WASTE DISPOSAL

- A. Drill cuttings will be disposed in the reserve pits.
- B. Drilling fluids will be allowed to evaporate in the reserve pits until dry.
- C. All pits will be fenced with normal fencing materials to prevent livestock from entering the area only if cattle are run in this pasture.
- D. Water produced during operations will be collected in tanks until hauled to an approved disposal system, or a separate disposal application will be submitted to BLM for approval.
- E. Current laws and regulations pertaining to the disposal of human waste will be complied with.
- F. Oil produced during operations will be stored in tanks until sold.
- G. Trash, waste paper, garbage and junk will be buried in a separate trash pit and covered with minimum of 24 inches of dirt. All waste material will be contained to prevent scattering by the wind.

8. ANCILLARY FACILITIES

- A. None required.

9. WELLSITE LAYOUT

- A. The well pad exhibit shows the relative location and dimensions of the well pad and reserve pits, etc.
- B. The location surface is loamy sand-and sandy loam- soils and relatively flat.
- C. Caliche for the road and pad will be hauled from the nearest pit.
- D. The reserve pits will be to the north and lined.
- E. A 400' x 400' area has been staked and flagged.

10. PLANS FOR RESTORATION OF THE SURFACE

- A. After finishing drilling and/or completion operations all equipment and other material not needed for further work will be removed. The location will be cleaned of all trash and junk leaving the wellsite in as aesthetically pleasing a condition as possible.
- B. If the pits were fenced, they will remain so until they have dried and are leveled.
- C. If this well is non-productive, all rehabilitation and/or vegetation requirement of the Landowner/Operator agreement, if any, will be complied with and accomplished as expeditiously as possible. All pits will be filled and leveled within 90 days after abandonment or are no longer needed.

11. OTHER INFORMATION

- A. Topography: The location is relatively flat. The existing road is on flat surface to the location.
- B. Soil: The topsoil is a thin layer and may not be adequate to stockpile.
- C. Flora and Fauna: Vegetative cover consist of various grasses, mesquite, shinnery oak, and other miscellaneous growth. No wildlife was observed, but the wildlife in the area probably includes those typical of semi-arid desert land.
- D. Land use: Cattle grazing.
- E. There are no dwellings in the vicinity of the wellsite.
- F. Surface Ownership: The surface is owned by the State of New Mexico with federal minerals. New Mexico Grazing Lease GM-1551, Williams & Sons Cattle Company, P. O. Box 30, Maljamar, New Mexico 88264.

12. OPERATOR'S REPRESENTATIVE


- A. The field representative responsible for assuring compliance with the approved surface use and operations plan is:

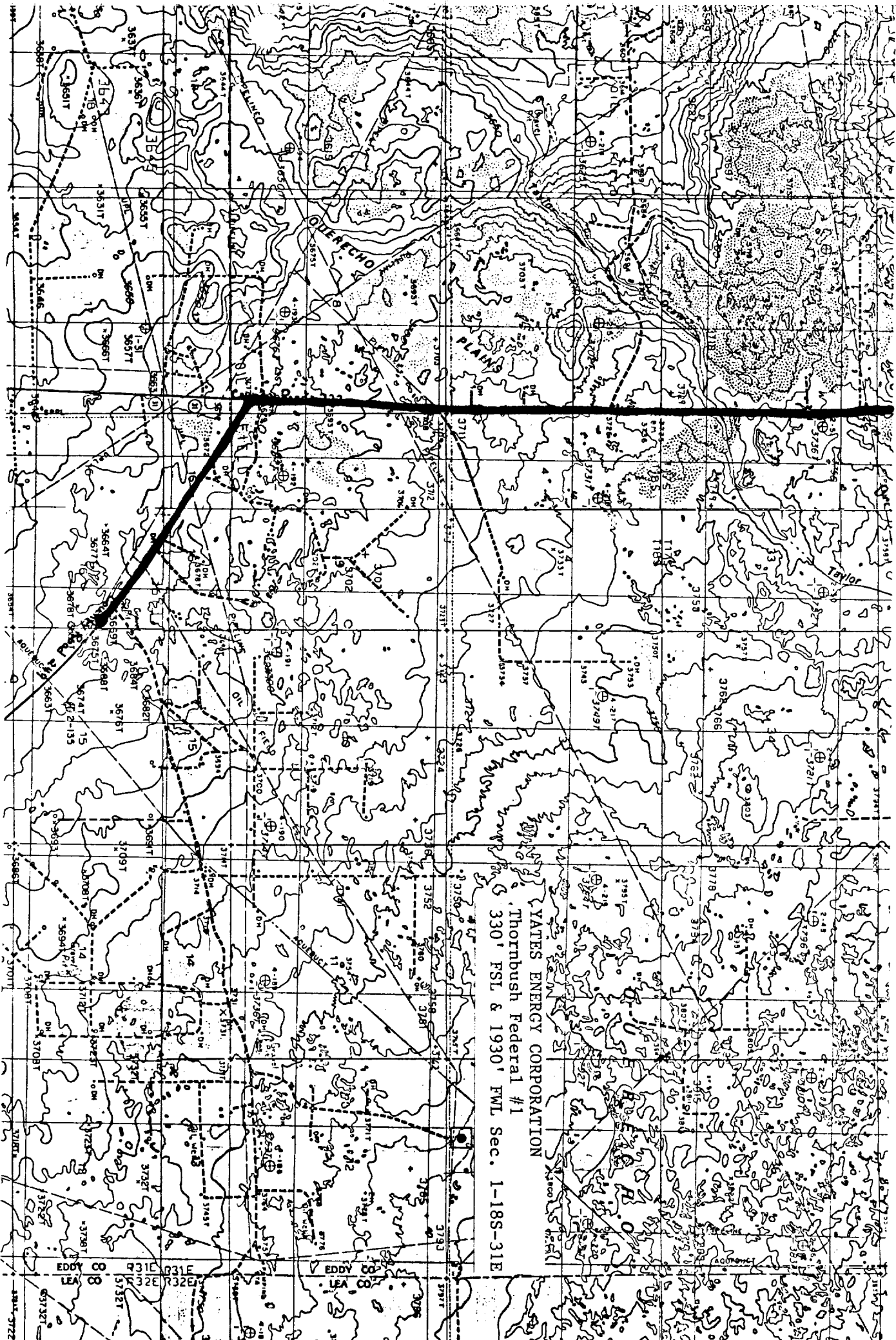
Jim O'Briant
O'Briant Engineering
Midland, Texas
Phone: 915-683-5511

13. CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route, that I am familiar with the conditions which presently exist; that the statements made in this plan are to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Yates Energy Corporation and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

11-21-89
Date

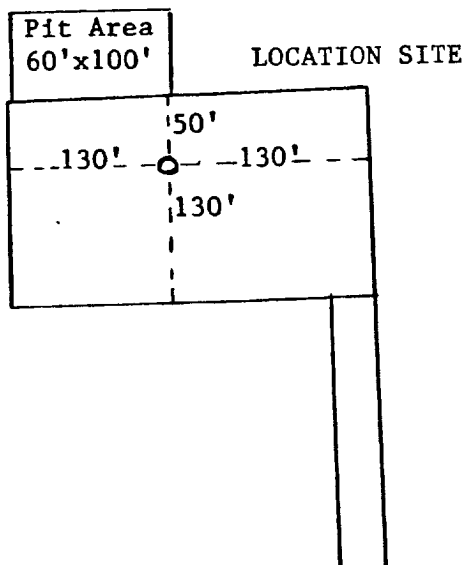

Sharon R. Hamilton, Landman for
Yates Energy Corporation



YATES ENERGY CORPORATION
Thornbush Federal #1
330' FSL & 1930' FWL
Section 1-18S-31E
Eddy County, NM
Unit Letter N

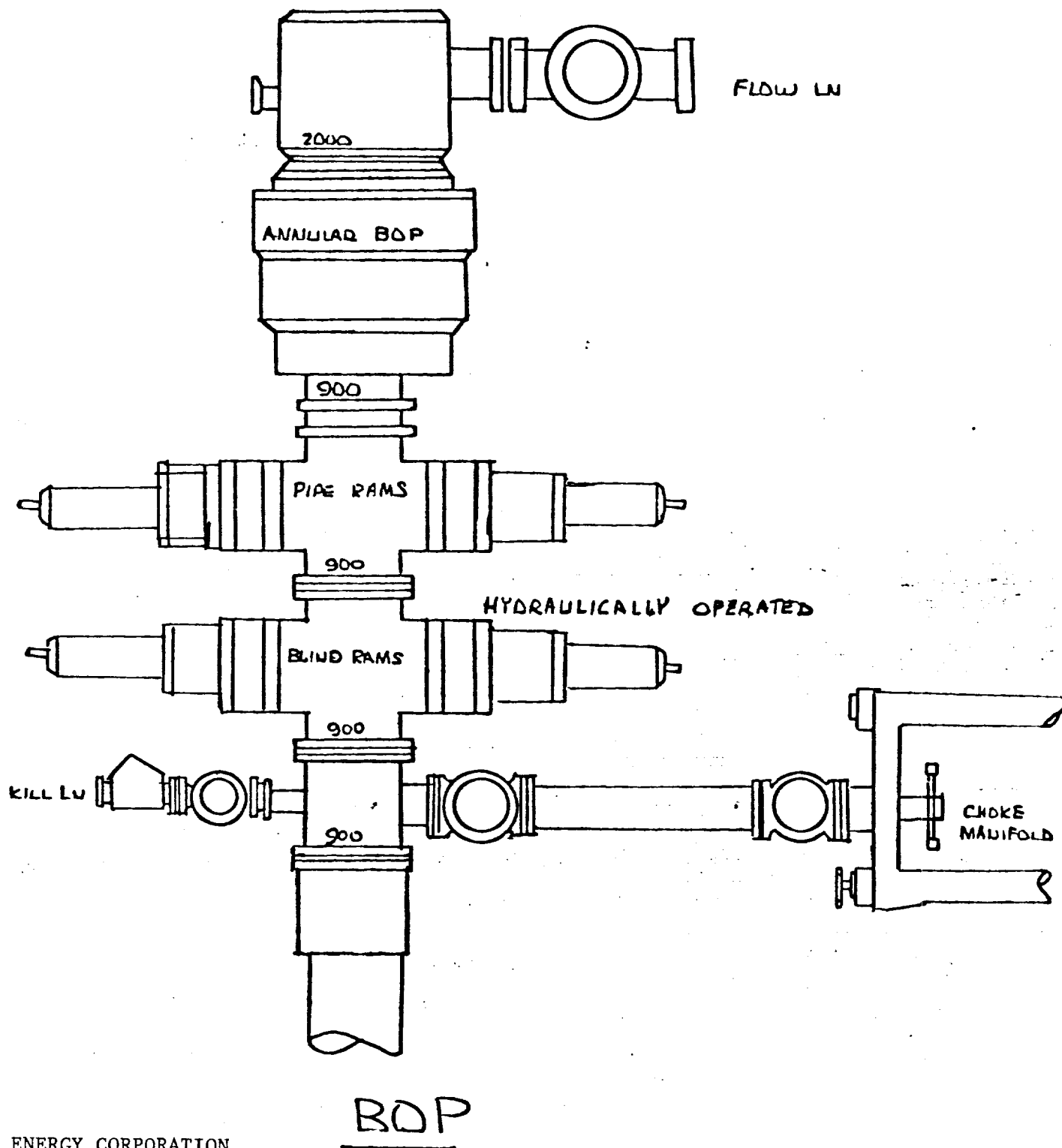
UNIT LETTER N

40 ACRES



Yates Energy Corporation

Exhibit



YATES ENERGY CORPORATION
Thornbush Federal #1
330' FSL & 1930' FWL
Section 1-18S-31E
Eddy County, NM

529

32 - LEWIS GRAYBURG FED UNIT (OPER)	33 GRAYBURG FED UNIT (OPER)	34 35	36 37	38 39	40 41	42 43	44 45	46 47	48 49	50 51	52 53	54 55	56 57	58 59	60 61	62 63	64 65	66 67	68 69	70 71	72 73	74 75	76 77	78 79	80 81	82 83	84 85	86 87	88 89	90 91	92 93	94 95	96 97	98 99	100 101	102 103	104 105	106 107	108 109	110 111	112 113	114 115	116 117	118 119	120 121	122 123	124 125	126 127	128 129	130 131	132 133	134 135	136 137	138 139	140 141	142 143	144 145	146 147	148 149	150 151	152 153	154 155	156 157	158 159	160 161	162 163	164 165	166 167	168 169	170 171	172 173	174 175	176 177	178 179	180 181	182 183	184 185	186 187	188 189	190 191	192 193	194 195	196 197	198 199	200 201	202 203	204 205	206 207	208 209	210 211	212 213	214 215	216 217	218 219	220 221	222 223	224 225	226 227	228 229	230 231	232 233	234 235	236 237	238 239	240 241	242 243	244 245	246 247	248 249	250 251	252 253	254 255	256 257	258 259	260 261	262 263	264 265	266 267	268 269	270 271	272 273	274 275	276 277	278 279	280 281	282 283	284 285	286 287	288 289	290 291	292 293	294 295	296 297	298 299	300 301	302 303	304 305	306 307	308 309	310 311	312 313	314 315	316 317	318 319	320 321	322 323	324 325	326 327	328 329	330 331	332 333	334 335	336 337	338 339	340 341	342 343	344 345	346 347	348 349	350 351	352 353	354 355	356 357	358 359	360 361	362 363	364 365	366 367	368 369	370 371	372 373	374 375	376 377	378 379	380 381	382 383	384 385	386 387	388 389	390 391	392 393	394 395	396 397	398 399	400 401	402 403	404 405	406 407	408 409	410 411	412 413	414 415	416 417	418 419	420 421	422 423	424 425	426 427	428 429	430 431	432 433	434 435	436 437	438 439	440 441	442 443	444 445	446 447	448 449	450 451	452 453	454 455	456 457	458 459	460 461	462 463	464 465	466 467	468 469	470 471	472 473	474 475	476 477	478 479	480 481	482 483	484 485	486 487	488 489	490 491	492 493	494 495	496 497	498 499	500 501	502 503	504 505	506 507	508 509	510 511	512 513	514 515	516 517	518 519	520 521	522 523	524 525	526 527	528 529	530 531	532 533	534 535	536 537	538 539	540 541	542 543	544 545	546 547	548 549	550 551	552 553	554 555	556 557	558 559	560 561	562 563	564 565	566 567	568 569	570 571	572 573	574 575	576 577	578 579	580 581	582 583	584 585	586 587	588 589	590 591	592 593	594 595	596 597	598 599	600 601	602 603	604 605	606 607	608 609	610 611	612 613	614 615	616 617	618 619	620 621	622 623	624 625	626 627	628 629	630 631	632 633	634 635	636 637	638 639	640 641	642 643	644 645	646 647	648 649	650 651	652 653	654 655	656 657	658 659	660 661	662 663	664 665	666 667	668 669	670 671	672 673	674 675	676 677	678 679	680 681	682 683	684 685	686 687	688 689	690 691	692 693	694 695	696 697	698 699	700 701	702 703	704 705	706 707	708 709	710 711	712 713	714 715	716 717	718 719	720 721	722 723	724 725	726 727	728 729	730 731	732 733	734 735	736 737	738 739	740 741	742 743	744 745	746 747	748 749	750 751	752 753	754 755	756 757	758 759	760 761	762 763	764 765	766 767	768 769	770 771	772 773	774 775	776 777	778 779	780 781	782 783	784 785	786 787	788 789	790 791	792 793	794 795	796 797	798 799	800 801	802 803	804 805	806 807	808 809	810 811	812 813	814 815	816 817	818 819	820 821	822 823	824 825	826 827	828 829	830 831	832 833	834 835	836 837	838 839	840 841	842 843	844 845	846 847	848 849	850 851	852 853	854 855	856 857	858 859	860 861	862 863	864 865	866 867	868 869	870 871	872 873	874 875	876 877	878 879	880 881	882 883	884 885	886 887	888 889	890 891	892 893	894 895	896 897	898 899	900 901	902 903	904 905	906 907	908 909	910 911	912 913	914 915	916 917	918 919	920 921	922 923	924 925	926 927	928 929	930 931	932 933	934 935	936 937	938 939	940 941	942 943	944 945	946 947	948 949	950 951	952 953	954 955	956 957	958 959	960 961	962 963	964 965	966 967	968 969	970 971	972 973	974 975	976 977	978 979	980 981	982 983	984 985	986 987	988 989	990 991	992 993	994 995	996 997	998 999	1000 1001	1002 1003	1004 1005	1006 1007	1008 1009	1010 1011	1012 1013	1014 1015	1016 1017	1018 1019	1020 1021	1022 1023	1024 1025	1026 1027	1028 1029	1030 1031	1032 1033	1034 1035	1036 1037	1038 1039	1040 1041	1042 1043	1044 1045	1046 1047	1048 1049	1050 1051	1052 1053	1054 1055	1056 1057	1058 1059	1060 1061	1062 1063	1064 1065	1066 1067	1068 1069	1070 1071	1072 1073	1074 1075	1076 1077	1078 1079	1080 1081	1082 1083	1084 1085	1086 1087	1088 1089	1090 1091	1092 1093	1094 1095	1096 1097	1098 1099	1100 1101	1102 1103	1104 1105	1106 1107	1108 1109	1110 1111	1112 1113	1114 1115	1116 1117	1118 1119	1120 1121	1122 1123	1124 1125	1126 1127	1128 1129	1130 1131	1132 1133	1134 1135	1136 1137	1138 1139	1140 1141	1142 1143	1144 1145	1146 1147	1148 1149	1150 1151	1152 1153	1154 1155	1156 1157	1158 1159	1160 1161	1162 1163	1164 1165	1166 1167	1168 1169	1170 1171	1172 1173	1174 1175	1176 1177	1178 1179	1180 1181	1182 1183	1184 1185	1186 1187	1188 1189	1190 1191	1192 1193	1194 1195	1196 1197	1198 1199	1200 1201	1202 1203	1204 1205	1206 1207	1208 1209	1210 1211	1212 1213	1214 1215	1216 1217	1218 1219	1220 1221	1222 1223	1224 1225	1226 1227	1228 1229	1230 1231	1232 1233	1234 1235	1236 1237	1238 1239	1240 1241	1242 1243	1244 1245	1246 1247	1248 1249	1250 1251	1252 1253	1254 1255	1256 1257	1258 1259	1260 1261	1262 1263	1264 1265	1266 1267	1268 1269	1270 1271	1272 1273	1274 1275	1276 1277	1278 1279	1280 1281	1282 1283	1284 1285	1286 1287	1288 1289	1290 1291	1292 1293	1294 1295	1296 1297	1298 1299	1300 1301	1302 1303	1304 1305	1306 1307	1308 1309	1310 1311	1312 1313	1314 1315	1316 1317	1318 1319	1320 1321	1322 1323	1324 1325	1326 1327	1328 1329	1330 1331	1332 1333	1334 1335	1336 1337	1338 1339	1340 1341	1342 1343	1344 1345	1346 1347	1348 1349	1350 1351	1352 1353	1354 1355	1356 1357	1358 1359	1360 1361	1362 1363	1364 1365	1366 1367	1368 1369	1370 1371	1372 1373	1374 1375	1376 1377	1378 1379	1380 1381	1382 1383	1384 1385	1386 1387	1388 1389	1390 1391	1392 1393	1394 1395	1396 1397	1398 1399	1400 1401	1402 1403	1404 1405	1406 1407	1408 1409	1410 1411	1412 1413	1414 1415	1416 1417	1418 1419	1420 1421	1422 1423	1424 1425	1426 1427	1428 1429	1430 1431	1432 1433	1434 1435	1436 1437	1438 1439	1440 1441	1442 1443	1444 1445	1446 1447	1448 1449	1450 1451	1452 1453	1454 1455	1456 1457	1458 1459	1460 1461	1462 1463	1464 1465	1466 1467	1468 1469	1470 1471	1472 1473	1474 1475	1476 1477	1478 1479	1480 1481	1482 1483	1484 1485	1486 1487	1488 1489	1490 1491	1492 1493	1494 1495	1496 1497	1498 1499	1500 1501	1502 1503	1504 1505	1506 1507	1508 1509	1510 1511	1512 1513	1514 1515	1516 1517	1518 1519	1520 1521	1522 1523	1524 1525	1526 1527	1528 1529	1530 1531	1532 1533	1534 1535	1536 1537	1538 1539	1540 1541	1542 1543	1544 1545	1546 1547	1548 1549	1550 1551	1552 1553	1554 1555	1556 1557	1558 1559	1560 1561	1562 1563	1564 1565	1566 1567	1568 1569	1570 1571	1572 1573	1574 1575	1576 1577	1578 1579	1580 1581	1582 1583	1584 1585	1586 1587	1588 1589	1590 1591	1592 1593	1594 1595	1596 1597	1598 1599	1600 1601	1602 1603	1604 1605	1606 1607	1608 1609	1610 1611	1612 1613	1614 1615	1616 1617	1618 1619	1620 1621	1622 1623	1624 1625	1626 1627	1628 1629	1630 1631	1632 1633	1634 1635	1636 1637	1638 1639	1640 1641	1642 1643	1644 1645	1646 1647	1648 1649	1650 1651	1652 1653	1654 1655	1656 1657	1658 1659	1660 1661	1662 1663	1664 1665	1666 1667	1668 1669	1670 1671	1672 1673	1674 1675	1676 1677	1678 1679	1680 1681	1682 1683	1684 1685	1686 1687	1688 1689	1690 1691	1692 1693	1694 1695	1696 1697	1698 1699	1700 1701	1702 1703	1704 1705	1706 1707	1708 1709	1710 1711	1712 1713	1714 1715	1716 1717	1718 1719	1720 1721	1722 1723	1724 1725	1726 1727	1728 1729	1730 1731	1732 1733	1734 1735	1736 1737	1738 1739	1740 1741	1742 1743	1744 1745	1746 1747	1748 1749	1750 1751	1752 1753	1754 1755	1756 1757	1758 1759	1760 1761	1762 1763	1764 1765	1766 1767	1768 1769	1770 1771	1772 1773	1774 1775	1776 1777	1778 1779	1780 1781	1782 1783	1784 1785	1786 1787	1788 1789	1790 1791	1792 1793	1794 1795	1796 1797	1798 1799	1800 1801	1802 1803	1804 1805	1806 1807	1808 1809	1810 1811	1812 1813	1814 1815	1816
---	-----------------------------------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	------