

located in sec. 18, 350 ft from south line, 360 ft from west line.

#### UNION OIL CO.

##### S. P. Brady No. 1

API no.: 27-001-90010

Permit no.: 166

Location: SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 1, T22N, R26E

746 ft from south line, 1,349 ft from east line

Elevation: 4,149 ft

Completed: July 13, 1974

Status: Geothermal well

Depth: 7,275 ft

##### Logs:

Lithologic	0-7,240 ft
TS	450-5,665 ft
CNL/FDC	1,044-5,708 ft
IES	1,044-5,708 ft

Remarks: Put in production July 13, 1974. Water zone at 2,120 ft, static water level  $\pm$  25 ft from surface flowing intermittently steam and hot water at various rates. Bottom-hole temperature was 298°F. This information as of October 11, 1984.

## CLARK COUNTY

The first exploration well known to have been drilled in Clark County was completed in 1929 near Arden, 15 miles southwest of Las Vegas. An area near Mesquite in the northeastern part of the county was touted as a prospective oil area (Nevada State Journal, 1929), but no wells are known to have been drilled in Nevada as a result of the promotion.

Some sporadic drilling was done in the 1940's, but the more serious efforts began in 1950, when exploration throughout Nevada increased significantly. Although a number of wells have reported oil shows, the lack of a discovery and the general decrease in Nevada drilling in the late 1960's and early 1970's resulted in few wells being drilled in Clark County until the early 1980's. Some of these recent wells were drilled to test the possibility of "overthrust belt" oil fields like those in western Wyoming and northeastern Utah. Nevada's deepest (19,562 ft) well, the Mobil Oil Corp. Virgin River U.S.A. No. 1-A was drilled in Clark County in 1980 as an unsuccessful overthrust test.

### Well Data

#### BANNISTER, E. W.

##### No. 1

API no.: 27-003-05055

Permit no.: CL4

Location: SW $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 34, T21S, R60E

500 ft from south line, 1,800 ft from west line

Elevation: 2,750 ft

Completed: August 1929

Status: P & A Depth: 522 ft

Remarks: A shallow test of the Arden Dome (Lintz, 1957a, p. 21).

#### BIG BASIN OIL CO.

##### Government No. 1

API no.: 27-003-05042

Permit no.: CL24

Location: center, SE $\frac{1}{4}$  sec. 17, T23S, R61E

1,320 ft from south line, 1,320 ft from east line

Elevation: 2,000 ft (?)

Completed: May 31, 1953

Status: D & A

Depth: 900 ft or 1,180 ft

Remarks: A ditch sample from near the bottom of the hole was a white crystalline limestone, probably Mississippian age (Lintz, 1957a, p. 25).

#### BLACK GOLD OIL AND GAS EXPLORATION CO. (INTERMOUNTAIN ASSOCIATION)

##### No. 1 (Golden Spike)

API no.: 27-003-05052

Permit no.: CL26

Location: S $\frac{1}{2}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 23, T23S, R59E

405 ft from south line, 555 ft from west line

Elevation: 2,800 ft (estimate)

Completed: Sept. 1953

Status: D & A

Depth: 1,670 ft

##### Tops:

Surface	alluvium
1,380 ft	Mississippian

Remarks: Water in hole at 200-300 ft. Slight odor of gas in water.

#### BONANZA OIL CO.

##### Arden Dome No. 1

##### (Consolidated Government No. 1)

API no.: 27-003-05007

Permit no.: 34

Location: NW $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 31, T21S, R60E

2,052 ft from south line, 1,919 ft from west line

Elevation: 2,620 ft

Completed: Aug. 28, 1959

Status: P & A

Depth: 3,282 ft

##### Tops:

2,700 ft	Pennsylvanian
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Remarks: Oil show reported at 740 ft. Oil and gas shows at 1,500 ft and 1,700 ft (Supai Fm.). Two ft of oil sand near 1,600 ft. Gas shows at 3,056-3,072 ft (Bird Spring Fm.), oil shows at 3,239-3,260 ft. Bottomed in shale and hard limestone. Well re-entered and logged in 1970 (Bissell, 1973, p. 75) as the Time Petroleum Inc. Federal no. 31-1 (Permit no. 148). The DST recovered 2,700 ft of fresh water in a 1-hour test.

#### BRAY, OSCAR

##### No. 1

API no.: 27-003-05014

Permit no.: CL28

Location: NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 8, T28S, R62E

Elevation: 4,300 ft

Completed: May 11, 1962

Status: D & A

Depth: 840 ft

#### BROWN, JOE W.

##### Wilson No. 1

API no.: 27-003-05008

Permit no.: 33

Location: center, NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 24, T21S, R61E

660 ft from N line, 660 ft from west line

Elevation: 2,100 ft

Completed: Mar. 1, 1957

**CLARK COUNTY (continued)**

Status: Water well

Depth: 8,508 ft

Tops:

3,030 ft	Eocene(?) Horse Spring Fm.
3,100 ft	Triassic or Pliocene Moenkopi or Muddy Creek Fms.
4,000 ft	Cretaceous(?) or Tertiary(?) Overton Fanglomerate
4,230 ft	Cretaceous Baseline Ss.
4,475 ft	Permian Kaibab Ls.
5,270 ft	Permian Supai Fm.
6,150 ft	Permian-Pennsylvanian Bird Spring Fm.

Logs:

Lithologic	2,615-6,400 ft
IES	1,187-8,501 ft
N	2,600-6,550 ft
DM	2,510-6,130 ft
TS	3,000-5,968 ft
ML	2,440-7,380 ft

Samples:

Cutting	4,260-8,485 ft
Core	2,630-7,095 ft

Remarks: Well was plugged below 6,050 ft and converted to a hot (137°F) artesian water well. Rate of flow 400 bbl water/hr plus. Oil shows reported in Permian rocks, possibly Toroweap or Kaibab Formations. (Bissell, 1973, p. 70). Other sporadic shows reported from 2,600-8,250 ft.

**CHEVRON U.S.A., INC.-**

**MICHEL T. HALBOUTY ENERGY CO.**

Colorock Quarry No. 1

API no.: 27-003-05209

Permit no.: 319

Location: SE ¼ SW ¼ SE ¼ sec. 22, T18S, R65E  
1,820 ft from east line, 380 ft from south line

Elevation: 2,912 ft at DF

Completed: Feb. 28, 1983

Status: P & A

Depth: 10,030 ft

Logs:

DLL/SFL/GR	82-10,010 ft
LDT/CNL	1,298-10,014 ft
ML/MLL	1,298-10,010 ft
DM	1,398-10,010 ft
BHCS	82-10,002 ft
FIL	4,879-10,010 ft
Cyberlook	1,300-10,010 ft
Delta chloride	300-10,030 ft
Lithologic	80-10,030 ft
Pressure evaluation profile	0-10,030 ft

Samples:

Cuttings	140-10,030 ft
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Remarks: Gas-cut mud in DST, 8,200-8,475 ft. No cuttings were recovered from 4,700-4,840 ft, and one DST failed.

**COMMONWEALTH OIL CO.**

No. 1

API no.: 27-003-05056

Permit no.: CL5

Location: NE ¼ NE ¼ SW ¼ sec. 31, T21S, R60E  
2,380 ft from south line, 2,380 ft from west line

Elevation: 2,750 ft

Completed: Feb. 1939

Status: P & A

Depth: 1,897 ft

Tops:

Surface	alluvium
300-500 ft	Permian Supai Fm.
975-TD ft	Pennsylvanian Bird Spring Ls.

Remarks: Gas show at 800-805 ft. Oil show at 1,560-1,575 ft (Lintz, 1957a, p. 19).

**EQUALITY OIL CO. (ARDEN DOME OIL CO.)**

Chadek No. 1

API no.: 27-003-05009

Permit no.: 62

Location: NW ¼ SW ¼ NE ¼ sec. 10, T22S, R60E  
1,659 ft from N line, 2,435 ft from east line

Elevation: 2,560 ft

Status: P & A

Depth: 1,627 ft

Tops:

1,000 ft	Permian Supai Fm.(?)
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Remarks: Water encountered at 418 ft and 580 ft. Fish in hole.

**FLEETWOOD OIL & GAS CORP.**

Fleetwood Federal Eva Garten No. 1

API no.: 27-003-05208

Permit no.: 299

Location: SW ¼ SW ¼ sec. 11, T23S, R61E  
520 ft from south line, 674 ft from west line

Elevation: 2,541 ft

Completed: Dec. 5, 1980

Status: P & A

Depth: 2,850 ft

Logs:

FDC/N	300-2,849 ft
DIL	300-2,849 ft
MLL	2,000-2,849 ft
Computer	300-2,850 ft
Continuous	300-2,850 ft
cross plot	
Formation tester	2,800-2850 ft

Remarks: Oil shows at: 295-320 ft, 340-345 ft, 520-530 ft, 895-900 ft, and 1,520-1,525 ft. Gas shows at 895-910 ft, and 1,075-1,090 ft. Oil and gas show at 1,640-1,660 ft.

**FLEETWOOD OIL & GAS CORP.**

Fleetwood Federal Ger No. 1

API no.: 27-003-05207

Permit no.: 298

Location: SE ¼ SE ¼ sec. 10, T23S, R61E

Elevation: 2,534 ft

Completed: Oct. 2, 1981

Status: P & A

Depth: 933 ft

Logs:

GR/N	0-797 ft
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Remarks: Oil and gas show at 735-747 ft. Oil show at 792-800 ft.

**G AND G EXPLORATION CO.**

No. 1

API no.: 27-003-04996

Permit no.: CL17

Location: SE ¼ NE ¼ NW ¼ sec. 14, T17S, R64E  
700 ft from north line, 370 ft from east line

Completed: Sept. 28, 1949

Status: D & A

Depth: 1,130 ft

Remarks: Strong oil and gas show at 1,117-1,127 ft.

**GOODSPRINGS OIL CO.****No. 1**

API no.: 27-003-05066

Permit no.: CL3

Location: SE 1/4 NW 1/4 NE 1/4 sec. 26, T24S, R58E

Elevation: 3,700 ft

Status: D &amp; A

Depth: 370 ft

Remarks: New Haven Co. wells located about 700 ft south (Lintz, 1957a, p. 29).

**GRACE PETROLEUM CORP.****Arrow Canyon No. 1**

API no.: 27-003-05211

Permit no.: 329

Location: NW 1/4 SW 1/4 sec. 14, T18S, R63E

1,985 ft from south line, 665 ft from west line

Elevation: 2,208 ft

Completed: Oct. 11, 1982

Status: P &amp; A

Depth: 17,110 ft

Tops:

6,764 ft	Cambrian Carrara Fm.
16,090 ft	Mississippian Chainman Sh.
16,307(?) ft	Mississippian Yellowpine Ls.
16,383? ft	Mississippian Monte Cristo Ls.

Logs:

Lithologic	30-17,110 ft
GR	11,750-17,075 ft
CNL	1,018-17,108 ft
BHCS	40-17,103 ft
DLL	40-17,095 ft
FDC	11,192-17,103 ft
Porosity	1,050-17,100 ft
DM	1,026-17,110 ft
Directional	1,026-17,110 ft
CBL	12,500-16,973 ft
Fracture	11,192-17,110 ft
TS	14,650-17,008 ft

Remarks: Minor dry gas show at 16,350-16,352 ft. Geologic units reported (not tops) and associated depths at which they were encountered: Cambrian Bonanza King Fm.—5,712 ft; Cambrian Carrara Fm.—8,375 ft; Permian—9,435 ft and 14,342 ft; Pennsylvanian Bird Spring Fm.—15,275; Mississippian Battleship Wash Fm.—16,105(?); Mississippian Bullion Ls.—16,386-16,416 ft; Mississippian Anchor Ls.—17,067-17,100. See also tops above.

**GRIMM, JACK F. (MINERALS DRILLING INC.)****Wilson No. 1**

API no.: 27-003-05070

Permit no.: 91

Location: center NW 1/4 SE 1/4 sec. 9, T22S, R60E

1,980 ft from south line, 1,980 ft from west line

Elevation: 2,658 ft

Completed: Dec. 28, 1965

Status: P &amp; A

Depth: 5,686 ft

Tops:

2,380 ft	Permian-Pennsylvanian Bird Spring Gp.
3,950 ft	Mississippian 4,600 ft Devonian (from PI)

Logs:

Lithologic	1,590-5,686 ft
ES	3,530-5,647 ft

Remarks: Water zones at 455-519 ft, 650-680 ft, 855-880 ft, and 1,372-1,433 ft. Water flowed at 1,800-1,856 ft,

2,850-2,900 ft, 2,940-3,030 ft, 3,090-3,530 ft, and 4,033-4,091 ft. Helium was encountered at 1,870-1,900 ft (Bissell, 1973, p. 74).

**HAEBER, JOHN H.****Adam No. 1**

API no.: 27-003-05204

Permit no.: 156

Location: SE 1/4 NE 1/4 sec. 18, T17S, R65E

1,880 ft from north line, 816 ft from east line

Elevation: 2,090 ft at KB

Completed: Sept. 11, 1973

Status: P &amp; A

Depth: 3,496 ft

Logs:

CN/FDC	496-3,297 ft
DLL	496-3,287 ft
DM	505-3,298 ft

Remarks: This well was a re-entry of the Southern Great Basin Oil & Gas Inc. Government No. 1, which was drilled to a depth of 5,085 ft and P & A on Sept. 3, 1957.

**HALL CO., FRANK****No. 1**

API no.: 27-003-04997

Permit no.: CL1

Location: T18S, R65E (?)

Status: D &amp; A

Depth: 1,005 ft

Logs:

Lithologic	0-1,005 ft
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**HATFIELD, L. M.****No. 1**

API no.: 27-003-05057

Permit no.: CL2

Location: SW 1/4 SW 1/4 NW 1/4 sec. 20, T22S, R60E

200 ft from south line, 200 ft from west line

Elevation: 2,800 ft

Status: D &amp; A

Depth: 707 ft

Logs:

Driller

Remarks: Driller's log in Lintz (1957a, p. 23-24)

**INTERMOUNTAIN ASSOCIATES, INC.****Arden Dome No. 1 (No. 1 X)**

API no.: 27-003-05051

Permit no.: 8

Location: SW 1/4 SW 1/4 SW 1/4 sec. 23, T23S, R59E

525 ft from south line, 518 ft from west line

Elevation: 3,700 ft

Completed: 1955

Status: P &amp; A

Depth: 3,293 ft

Tops:

Surface	alluvium
1,100 ft	Mississippian

Remarks: Oil and gas shows reported at 2,919-2,930 ft, 2,960-2,970 ft, and 3,095-3,106 ft.

**INTERMOUNTAIN ASSOCIATES, INC.****No. 2 (Jean)**

API no.: 27-003-05053

Permit no.: 7

Location: SE 1/4 NE 1/4 NE 1/4 sec. 1, T25S, R59E

869 ft from north line, 339 ft from east line

**CLARK COUNTY (continued)**

Elevation: 2,890 ft  
 Completed: 1954  
 Status: P & A  
 Depth: 2,273 ft

**IWING, JOSEPH & ASSOCIATES**

**Petresia No. 1**  
 API no.: 27-003-04995  
 Permit no.: CL18  
 Location: sec. 14, T17S, R64E  
 700 ft from south line, 320 ft from west line  
 Completed: Jan. 11, 1950  
 Status: D & A  
 Depth: 1,130 ft

**JAYHAWK EXPLORATION, INC.**

**Federal-Indian Springs No. 1**  
 API no.: 27-003-05212  
 Permit no.: 344  
 Location: NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 6, T17S, R57E  
 673 ft from north line, 660 ft from east line  
 Elevation: 3,963 ft  
 Completed: Oct. 27, 1982  
 Status: P & A  
 Depth: 5,583 ft

**Logs:**

DI	598-5,472 ft
S	598-5,475 ft
GR/N/FDL	598-5,475 ft
CN/GR	598-5,475 ft
DM	598-5,478 ft
Litholog	10-5,583 ft
Cyberdip	598-5,478 ft
<b>Samples:</b>	
Cuttings	67-5,520 ft

**KAMARDEN OIL AND GAS LTD.**

**KOG No. 1**  
 API no.: 27-003-05200  
 Permit no.: 132  
 Location: center, NE $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 22, T22S, R60E  
 910 ft from south line, 380 ft from east line  
 Elevation: 2,561 ft  
 Completed: July 20, 1970  
 Status: P & A  
 Depth: 6,760 ft

**Tops:**

330 ft	Permian Kaibab(?) and Toroweep(?)
	Fms.
?	Permian Hermit and
	Queantoweep Fms.
2,225 ft	Permian Bird Spring Gp.
3,835 ft	Mississippian
6,275 ft	mid-Cambrian
6,280 ft	Cambrian Chisholm Sh.
6,350 ft	Cambrian Lyndon Ls.
6,415 ft	Cambrian Pioche Sh. (from PI)

**Logs:**

IES	324-6,759 ft
Litholog	330-6,755 ft

**Samples:**

Cuttings	330-6,750 ft
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**Remarks:** Water sands at 450-550 ft, 1,200-1,600 ft, 1,775-1,900 ft, and 3,075-3,210. Strong odors of oil and gas at about 1,200 ft, oil and gas shows at 1,750 ft and 1,950 ft (Bissell, 1973, p. 74).

**LAST CHANCE OIL CO.**

**Crystal No. 1**  
 API no.: 27-003-05069  
 Permit no.: CL20  
 Location: NW $\frac{1}{4}$  sec. 11, T17S, R64E  
 Elevation: 2,120 ft  
 Completed: 1950  
 Status: D & A  
 Depth: 1,002 ft  
 Remarks: Possibly reopened for deepening in 1952 (Lintz, 1957a, p. 17-18).

**LICHTENWALTER, S. J. & TURPIN, C. M.**

**Turpin No. 1**  
 API no.: 27-003-05001  
 Permit no.: 51  
 Location: NW $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 4, T20S, R59E  
 1,770 ft from north line, 710 ft from east line  
 Elevation: 3,860 ft at DF  
 Completed: July 14, 1961  
 Status: P & A  
 Depth: 1,725 ft  
**Tops (from PI):**  
 Surface Permian (TD)  
 Remarks: Oil shows at 307-777 ft (810 ft?). Water flow encountered at 1,668-1,678 ft. Well reportedly made  $\frac{1}{2}$  barrel of high-gravity oil per hour after acidizing.

**MATADOR OIL CO.**

**No. 29-1X**  
 API no.: 27-003-04998  
 Permit no.: CL27  
 Location: SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 29, T22S, R60E  
 Completed: Apr. 26, 1957  
 Status: D & A  
 Depth: 1,320 ft

**McAULEY ASSOCIATES**

**No. 1**  
 API no.: 27-003-05040  
 Permit no.: CL23  
 Location: SE $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 22, T21S, R62E  
 Elevation: 1,660 ft  
 Completed: Mar. 24, 1953  
 Status: D & A  
 Depth: 3,000 ft

**McAULEY ASSOCIATES**

**No. 2**  
 API no.: 27-003-05041  
 Permit no.: CL21  
 Location: SE $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 2, T21S, R62E  
 Elevation: 1,650 ft (from Lintz, 1957a, p. 27)  
 Completed: 1953  
 Status: D & A  
 Depth: 2,268 ft (?)

**MOAPA NEVADA OIL & GAS CO.**

**Logandale No. 1**  
 API no.: 27-003-05000  
 Permit no.: 28  
 Location: SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 21, T15S, R67E  
 370 ft from south line, 30 ft from east line  
 Completed: Apr. 26, 1957  
 Status: D & A  
 Depth: 595 ft

**MOBIL OIL CORP.****Virgin River U.S.A. No. 1**

API no.: 27-003-05205

Permit no.: 260

Location: SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 9, T15S, R68E

660 ft from south line, 1,550 ft from west line

Elevation: 1,902 ft

Completed: 1979

Status: D &amp; A

Depth: 1,202 ft

Remarks: Split casing problems; well redrilled 8 ft away as the Mobile Oil Corp. Virgin River U.S.A. No. 1-A.

**MOBIL OIL CORP.****Virgin River U.S.A. No. 1-A**

API no.: 27-003-05206

Permit no.: 272

Location: SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 9, T15S, R68E

654 ft from south line, 1,554 ft from west line

Elevation: 1,905 ft

Completed: May 23, 1980

Status: D &amp; A

Depth: 19,562 ft

Tops:

Surface	Pliocene Muddy Creek Fm.
?	Miocene Horse Spring Fm.
6,702 ft	undifferentiated clastics
7,718 ft	Triassic Chinle Fm.
9,105 ft	Triassic Moenkopi Fm.
11,035 ft	Permian Kaibab Ls.
12,105 ft	Permian Coconino Ss.
15,075 ft	Pennsylvanian Callville Ls.
18,000 ft	Mississippian Redwall Ls.
19,146 ft	basement (diomite, monzonite)

Logs:

DM	1,194-19,518 ft
DI	50-19,536 ft
MLL	14,700-15,634 ft
DLL	9,300-19,562 ft
BHCS	1,194-19,434 ft
FDC/N	1,194-19,511 ft
CNL	50-1,158 ft
Borehole geometry	1,194-5,040 ft
Lithologic	80-19,562 ft
Fracture ident.	11,977-14,928 ft
Directional	5,018-19,520 ft

Samples:

Cuttings 40-19,562 ft

Remarks: Permeability and porosity tests on core at 14,907-14,935 ft. Water analysis of four DST's. Nevada's deepest well (as of 1986).

**NEVADA EXPLORATION CO.****Porter No. 1**

API no.: 27-003-05012

Permit no.: CL15

Location: S $\frac{1}{2}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 13, T23S, R60E

1,650 ft from south line, 1,980 ft from west line

Elevation: 2,860 ft

Completed: 1948

Status: D &amp; A (?)

Depth: 2,002 ft or 2,019 ft

Tops:

Surface	alluvium
15 ft	Pennsylvanian Bird Spring Fm.
350 ft	Mississippian-Devonian dol.
	(Lintz, 1957a, p. 26)

Remarks: Fresh water was swabbed from several intervals.

**NEW HAVEN OIL CO.****No. 1**

API no.: 27-003-05060

Permit no.: CL8

Location: SE $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 26, T24S, R58E

Elevation: 3,695 ft

Completed: 1947

Status: D &amp; A

Depth: 716 ft

Tops:

Surface alluvium

Remarks: Located on what was thought to be an oil seep but was later identified as diesel fuel that had leaked from nearby storage tanks of a local mining company. Driller's log in Lintz (1957a, p. 26-28).

**NEW HAVEN OIL CO.****No. 2**

API no.: 27-003-05061

Permit no.: CL9

Location: SE $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 26, T24S, R58E

Elevation: 3,695 ft

Completed: 1947

Status: D &amp; A

Depth: 405 ft

Remarks: The New Haven Oil Company No. 1 through No. 6 wells are all located within 10-20 ft of one another. Located on what was thought to be an oil seep but was later identified as diesel fuel that had leaked from nearby storage tanks of a local mining company. No logs are available for Wells No. 2 through 6 but they should be the same as the New Haven Oil Co. No. 1.

**NEW HAVEN OIL CO.****No. 3**

API no.: 27-003-05062

Permit no.: CL10

Location: SE $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 26, T24S, R58E

Elevation: 3,695 ft

Completed: 1947

Status: D &amp; A

Depth: 200 ft

Remarks: See New Haven Oil Co. No. 2.

**NEW HAVEN OIL CO.****No. 4**

API no.: 27-003-05063

Permit no.: CL11

Location: SE $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 26, T24S, R58E

Elevation: 3,695 ft

Completed: 1947

Status: D &amp; A

Depth: 226 ft

Remarks: See New Haven Oil Co. No. 2.

**NEW HAVEN OIL CO.****No. 5**

API no.: 27-003-05064

Permit no.: CL12

Location: SE $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 26, T24S, R58E

Elevation: 3,695 ft

Completed: 1947

Status: D &amp; A

Depth: 40 ft

Remarks: See New Haven Oil Co. No. 2.

**NEW HAVEN OIL CO.****No. 6**

API no.: 27-003-05065

**CLARK COUNTY (continued)**

Permit no.: CL13  
 Location: SE $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 26, T24S, R58E  
 Elevation: 3,695 ft  
 Completed: 1947  
 Status: D & A  
 Depth: 130 ft  
 Remarks: See New Haven Oil Co. No. 2.

**PERMIAN OIL CO.**

Schwartz No. 1  
 API no.: 27-003-04994  
 Permit no.: CL14  
 Location: SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 26, T24S, R58E  
 Completed: 1948  
 Status: D & A  
 Depth: 550 ft

**PHELPS, C.P.**

Phelps No. 1  
 API no.: 27-003-05201  
 Permit no.: 133  
 Location: NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 35, T15S, R65E  
 330 ft from N line, 330 ft from east line  
 Elevation: 1,800 ft  
 Completed: Aug. 1970  
 Status: D & A  
 Depth: 1,625 ft

Logs:  
 ES 356-1,617 ft  
 Driller 0-1,625 ft

Remarks: Trace of water at 95 ft.

**RED STAR OIL CO.**

J. B. Nelson No. 1  
 API no.: 27-003-05058  
 Permit no.: CL6  
 Location: SE $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 20, T22S, R60E  
 Elevation: 2,631 ft  
 Completed: 8 Oct 43  
 Status: D & A  
 Depth: 2,210 ft

Tops:  
 Surface Permian Supai Fm.  
 1,524 ft Permian and Pennsylvanian  
 Bird Spring Ls.

Logs:  
 Driller 0-1,897 ft  
 Remarks: This well was redrilled 20 ft to the east as J. B. Nelson No. 2 because of the loss of drill tools down the well. Possibly in NE $\frac{1}{4}$  NW $\frac{1}{2}$  or SW $\frac{1}{4}$  of sec. 20 (Miller, 1944).

**RED STAR OIL CO. (J.B. NELSON)**

J. B. Nelson No. 2  
 API no.: 27-003-05059  
 Permit no.: CL7  
 Location: SE $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 20, T22S, R60E  
 Elevation: 2,631 ft  
 Completed: Mar. 15, 1945  
 Status: D & A  
 Depth: 3,767 ft

Tops:  
 Surface Permian Supai Fm.  
 1,524 ft Permian and Pennsylvanian  
 Bird Spring Fm.

Logs:  
 ES 924-3,342 ft

Remarks: Hydrocarbons were reported at 3,204 ft from core cut with carbon tetrachloride. This hole was a redrill after tools were lost in the J. B. Nelson No. 1 hole. Unconfirmed reports of good oil shows at 3,300-3,340 ft (Bissell, 1973, p. 74).

**REDI CORP.**

Gold Butte KPS Fed. No. 1  
 API no.: 27-003-05214  
 Permit no.: 426  
 Location: center, NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 23, T18S, R70E  
 330 ft from north line, 330 ft from east line  
 Elevation: 2,810 ft  
 Completed: Feb. 1, 1986  
 Status: P & A (?)  
 Depth: 2,313 ft  
 Remarks: This well may be completed as a water well.

**ROSEN OIL CO.**

Muddy Dome No. 1  
 API no.: 27-003-05003  
 Permit no.: 87  
 Location: center, SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 7, T20S, R65E  
 560 ft from south line, 238 ft from west line  
 Elevation: 2,305 ft  
 Completed: Oct. 28, 1965  
 Status: P & A  
 Depth: 5,666 ft

Tops:  
 Surface Jurassic Aztec Ss.  
 1,648 ft Jurassic Chinle Fm.  
 2,730 ft Jurassic Shinarump Mbr.  
 (Chinle Fm.)  
 2,837 ft Jurassic Moenkopi Fm.  
 4,503 ft Permian Kaibab Ls.  
 4,700 ft Permian Toroweap Fm.  
 5,083 ft Permian Coconino Ss.  
 5,196 ft Permian Supai Fm.  
 5,450 ft fault  
 Remarks: A probable fresh water zone at 3,930-4,030 ft. A salt water zone at 5,030-5,060 ft. Located on the Gale anticline (Bissell, 1973, p. 70).

**SANDIA INTERNATIONAL METALS CORP.**

Duff No. 1  
 API no.: 27-003-05202  
 Permit no.: 145  
 Location: SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 34, T25S, R60E  
 310 ft from south line, 1,710 ft from west line  
 Elevation: 3,140 ft  
 Completed: June 1970  
 Status: P & A  
 Depth: 438 ft

**SASTEX OIL & GAS**

Jones No. 1  
 API no.: 27-003-04999  
 Permit no.: CL29  
 Location: NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 4, T23S, R60E  
 Elevation: 2,905 ft  
 Completed: May 10, 1963  
 Status: D & A  
 Depth: 25 ft

**SHELL OIL CO.**

Bowl of Fire Unit No. 1  
 API no.: 27-003-05004

Permit no.: 38  
Location: SW¼SW¼ sec. 5, T20S, R66E  
Elevation: 2,044 ft  
Completed: July 13, 1959  
Status: P & A  
Depth: 5,919 ft  
Tops:

Surface	Triassic Moenkopi Fm.
1,090 ft	Permian Kaibab Ls.
1,430 ft	Permian Toroweap Fm.
1,875 ft	Permian Coconino Ss.
1,975 ft	Permian Hermit Fm.
2,920 ft	Permian Pakoon Fm.
3,720 ft	Pennsylvanian Callville Ls.
4,435 ft	Mississippian Chainman Sh.
4,571 ft	Mississippian Monte Cristo Ls.
5,175 ft	Devonian Sultan Ls.
5,700 ft	Ordovician Pogonip Fm.
5,830 ft	Cambrian

Logs:  
GR/N 30-5,915 ft  
IES 748-5,909 ft  
Driller 0-5,919 ft  
Lithologic 0-5,919 ft

Samples:  
Core 877-897 ft  
Core 4,455-4,555 ft  
Core 5,060-5,078 ft  
Core 5,681-5,691 ft

Remarks: Oil show at 877 ft. Wiese (1960) reports oil shows in Triassic, Permian, and Mississippian rocks.

#### SMITHDEAL, W. T., JR.

U.S. Lease No. 1  
API no.: 27-003-05013  
Permit no.: 31  
Location: SE¼SW¼NW¼ sec. 17, T23S, R61E  
227 ft from south line, 225 ft from east line  
Elevation: 2,675 ft  
Completed: 1956  
Status: D & A  
Depth: 306 ft

#### SOUTHERN GREAT BASIN OIL & GAS, INC.

Government No. 1  
API no.: 27-003-05054  
Permit no.: 13  
Location: NE¼NE¼NE¼ sec. 18, T17S, R65E  
350 ft from north line, 350 ft from east line  
Elevation: 2,122 ft or 2,142 ft  
Completed: Aug. 1954  
Status: P & A  
Depth: 5,085 ft  
Logs:  
Lithologic 1,000-4,120 ft  
Remarks: Gas shows at 2,210 ft and at 2,667-2,695 ft. Oil and gas show at 3,280 ft. Well abandoned in probable Tertiary Horse Spring Fm. (Bissell, 1973, p. 71). Redrilled as John A. Haeber-Adam No. 1.

#### SOUTHERN NEVADA OIL INVESTORS CO. (POZIL, JOHNSON, AND KRUG)

Apex No. 1  
API no.: 27-003-05068  
Permit no.: CL19  
Location: NE¼NE¼NW¼ sec. 7, T18S, R64E  
260 ft from north line, 2,275 ft from west line  
Elevation: 2,041 ft

Completed: Aug. 6, 1950  
Status: D & A  
Depth: 1,455 ft

#### SUN EXPLORATION & PRODUCTION CO.

##### Blue Diamond Federal No. 1

API no.: 27-003-05240  
Permit no.: 462  
Location: SE¼SE¼ sec. 25, T21S, R59E  
279 ft from south line, 128 ft from east line  
Elevation: 2,695 ft  
Completed: Mar. 20, 1986  
Status: P & A  
Depth: 6,220 ft

Tops:  
Surface Jurassic Moenkopi Fm.  
790 ft Permian Kaibab Ls.  
1,070 ft Permian Toroweap Fm.  
1,350 ft Permian Supai Fm.  
2,696 ft Permian and Pennsylvanian  
Bird Spring Ls.  
4,000 ft Mississippian Monte Cristo Ls.

Logs:  
Mud 60-6,220 ft  
LSS/GR 40-1,353 ft  
DM 1,359-6,204 ft  
CNL/FDC 1,359-6,204 ft  
DI 40-6,201 ft  
BHCS 1,359-6,171 ft  
GR 1,360-6,188 ft  
EP 58-6,188 ft

Samples:  
Cuttings 59-5,910 ft  
Remarks: Cuttings at 5,910-6,210 ft were not recovered. Gas shows at 316-360 ft and 482-570 ft.

#### TIME PETROLEUM INC.

Federal No. 31-1  
API no.: 27-003-05203  
Permit no.: 148  
Location: center, NE¼SW¼ sec. 31, T21S, R60E  
2,052 ft from south line, 1,919 ft from west line  
Elevation: 2,620 ft  
Completed: Feb. 25, 1971  
Status: D & A  
Depth: 3,260 ft

Tops:  
2,700 ft Pennsylvanian  
Logs:  
Driller 0-3,260 ft  
Radioactive tracer 2,580-2,928 ft  
TS 0-3,018 ft  
Cal 1,250-3,258 ft  
Density 1,300-3,257 ft  
ES 1,300-3,121 ft  
3-dimensional 410-3,252 ft  
velocity

Remarks: Re-entry of Bonanza Oil Corp. Arden Dome No. 1. Gas shows at 816-822 ft and 851-872 ft. Oil and gas shows in the Pennsylvanian at 2,822-2,934 ft.

#### TRANS-WORLD OIL CO.

Houssels-Wilson-Milka No. 1  
API no.: 27-003-05011  
Permit no.: 41  
Location: NW¼NW¼NE¼ sec. 30, T22S, R63E  
314 ft from south line, 290 ft from east line  
Elevation: 2,403 ft

## CLARK COUNTY (continued)

*Completed:* Aug. 4, 1962

*Status:* P & A

*Depth:* 2,300 ft

*Remarks:* Gas shows at 300 ft and 490 ft. Oil and gas shows 1,015 ft and 1,255 ft. Top of oil sand reported at 1,302 ft.

### TRI-STATE OIL EXPLORATION CO.

**Miskell-Gov't No. 1**

*API no.:* 27-003-05005

*Permit no.:* 39

*Location:* NE $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 22, T21S, R56E

1,800 ft from N line, 1,370 ft from east line

*Elevation:* 5,310 ft

*Completed:* Sept. 10, 1959

*Status:* P & A

*Depth:* 2,602 ft

*Remarks:* Well is entirely in Permian Bird Spring Gp. Minor oil shows reported (Bissell, 1973, p. 76).

### U.S. OIL CO. (MATADOR OIL CO.)

**Wilson No. 1X**

*API no.:* 27-003-05010

*Permit no.:* 23

*Location:* SW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 27, T22S, R60E

1,082 ft from north line, 2,390 ft from east line

*Completed:* 1959

*Status:* Water well

*Depth:* 2,026 ft

*Logs:*

Driller 0-2,026 ft

*Remarks:* Wilson No. 1 was drilled to a depth of 360 ft in 1955, then P & A. Wilson No. 1X was drilled 10 ft south of No. 1; permit was transferred from No. 1 to No. 1X. Oil shows reported at 1,457-1,489 ft (Johnson, 1959, p. 152).

### UNITED PETROLEUM CORP.

**Apex No. 1**

*API no.:* 27-003-05067

*Permit no.:* CL16

*Location:* SW $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 6, T18S, R64E

250 ft from south line, 250 ft from west line

*Elevation:* 2,380 ft

*Completed:* Mar. 1948

*Status:* P & A

*Depth:* 1,247 ft

*Remarks:* A gas show from brecciated limestone was reported at 920 ft.

**WILSON, L. R.**

**Government No. 1**

*API no.:* 27-003-05016

*Permit no.:* CL22

*Location:* NW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 32, T22S, R63E

465 ft from north line, 2,315 ft from east line

*Elevation:* 2,100 ft at DF

*Completed:* Feb. 28, 1953

*Status:* D & A

*Depth:* 841 ft

*Remarks:* After the tools twisted off, the hole was abandoned and the rig was skidded 50 ft and redrilled as the Leonard Wilson Government No. 1-A (Lintz, 1957a, p. 24).

**WILSON, L. R.**

**Government No. 1-A**

*API no.:* 27-003-05016-R

*Permit no.:* CL25

*Location:* NW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 32, T22S, R63E

465 ft from N line, 2,265 ft from east line

*Elevation:* 2,100 ft at DF

*Completed:* Aug. 22, 1953

*Status:* D & A

*Depth:* 1,465 ft

*Remarks:* This was a redrill of the L. R. Wilson Government No. 1.

## ELKO COUNTY

Reports in the Nevada State Journal in 1901 indicate an interest in the petroleum possibilities in Elko County; however, there is no record of any oil wells drilled in the county until 1922 when the Bull Run Oil and Gas Co. No. 1 was drilled. Another well was drilled near Elko in 1924, but no other wells are known to have been drilled until Gulf Refining Co., among others, began the era of modern petroleum exploration in eastern Nevada in the 1950's. Drilling in the 1970's and 1980's ranged over most of the county, and resulted in a number of significant oil and gas shows, including a potentially commercial gas well, the Wexpro Co. Jiggs No. 10-1.

Oil or tarry or solid bitumen is found in outcrop in several Elko County localities. At Lone Mountain Creek (sec. 16, T37N, R53E), solid bitumen occurs as fracture fillings in an Upper Cretaceous diorite sill which intrudes the Ordovician Vinini Formation (Poole and Claypool, 1984). At Cole Creek (sec. 4, T31N, R52E; and secs. 33 and 34, T32N, R52E), solid bitumen veinlets, blebs, and lenses occur in laminated dolomite of the Woodruff Formation, and a partly oxidized film occurs on exposed rock in prospect pits (Poole and Claypool, 1984). Two surface bitumen occurrences in shaly mudstone of the Mississippian Chainman Shale have been reported in southwestern Elko County: Smith and Ketner (1975, p. 44) reported solid bitumen veins and fracture fillings at Smith Creek (NE $\frac{1}{4}$  sec. 1, T29N, R52E; and Poole and Claypool (1984) reported tarry bitumen in voids and an oxidized oil film on the floor of a barrow pit at East Adobe Creek (sec. 2, T34N, R54E). At the Wells oil seep (NE $\frac{1}{4}$  sec. 5, T37N, R62E), oil is reported to be present within a porcelaneous tuff which is exposed in a railroad cut 1 mile northwest of Wells. The source of the oil is unknown; it could be a spill from railroad operations (Osmond and Elias, 1971, p. 424; Foster and Dolly, 1980).

### Well Data

**AMINOIL U.S.A., INC.**

**S.P. Land Company No. 1-23**

*API no.:* 27-007-05216

*Permit no.:* 259

*Location:* SE $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 23, T30N, R52E

1,600 ft from south line, 1,150 ft from west line

*Elevation:* 5,431 ft

*Completed:* May 7, 1979

*Status:* P & A

*Depth:* 7,145 ft