

## LANDER COUNTY (continued)

Completed: 1946

Status: D & A

Depth: 329 ft

Remarks: This well was drilled for stratigraphic information.

### VOORHEES, JESS H.

No. 5 S

API no.: 27-015-04993

Permit no.: LA3

Location: NW¼NW¼ sec. 27, T32N, R45E

Completed: 1946

Status: D & A

Depth: 143 ft

Remarks: This well was drilled for stratigraphic information.

### VOORHEES, JESS H.

No. 6 S

API no.: 27-015-04992

Permit no.: LA2

Location: SE¼SE¼ sec. 3, T32N, R45E

Completed: 1946

Status: D & A

Depth: 448 ft

Remarks: This well was drilled for stratigraphic information.

## LINCOLN COUNTY

Few wells have been drilled in Lincoln County, and only one well is known to have oil shows. Two surface occurrences (secs. 1 and 12, T6N, R62E; and sec. 34, T4N, R65E) of tarry bitumen are found in fossil cavities and calcite veinlets which occur in limestone concretions in the Mississippian Chainman Shale (Poole and Claypool, 1984; Bortz, 1985). Some hydrocarbon gas has been reported in some shallow water wells in Pahranaagat Valley in south-central Lincoln County (Scott McDaniel, oral commun., 1986).

### Well Data

#### AMERICAN QUASAR PETROLEUM CO. OF NEW MEXICO

Adobe Federal No. 19-1

API no.: 27-017-05203

Permit no.: 270

Location: NE¼SW¼ sec. 19, T2N, R60E

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

Elevation: 4,990 ft

Completed: Oct. 14, 1979

Status: Water well

Depth: 7,706 ft

Logs:

DI	160-7,683 ft
BHCS	160-7,676 ft
Cyberlook	4,750-7,683 ft
CNL/FDC	5,750-7,690 ft

Samples:

Cuttings	150-7,700 ft
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Remarks: Fresh water zone at 4,605-4,767 ft.

#### AMOCO PRODUCTION CO.

Dutch John Unit No. 1

API no.: 27-017-05204

Permit no.: 421

Location: NE¼NE¼SW¼ sec. 21, T7N, R66E

2,330 ft from south line, 2,350 ft from west line

Elevation: 5,923 ft

Completed: Nov. 14, 1985

Status: P & A

Depth: 12,750 ft

Tops:

Surface	Quaternary valley fill
2,196 ft	Tertiary volc.
4,906 ft	Pennsylvanian ls.
5,770 ft	Mississippian Diamond Peak ss.
6,592 ft	Mississippian Chainman Sh.
8,028 ft	Mississippian Joana Ls.
8,602 ft	Devonian Pilot Sh.
8,756 ft	Devonian Guilmette Fm.
11,712 ft	Devonian Simonson Dol.

Logs:

Lithologic	0-12,750 ft
CNL/FDC	2,299-12,754 ft
DM	2,299-12,753 ft
GR	2,299-12,754 ft
BHCS	150-12,752 ft
MLL	8,120-12,743 ft
Cal	406-2,294 ft
CBL	5,600-8,120 ft
DI	2,299-11,502 ft

Samples:

Cuttings	0-12,750 ft
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Remarks: Oil shows at 5,800-6,800 ft.

#### AMOCO PRODUCTION CO.

Garden Valley No. 1

API no.: 27-017-05207

Permit no.: 470

Location: NE¼SW¼ sec. 27, T2N, R57E

1,947 ft from south line, 2,372 ft from west line

Elevation: 5,516 ft

Completed: Apr. 3, 1986

Status: P & A

Depth: 6,401 ft

Tops:

Surface	Quaternary valley fill
3,150 ft	Tertiary volc.
5,900 ft	Paleozoic(?) ls.

Logs:

Lithologic	1,200-6,393 ft
CN/FDC	1,797-6,372 ft
BHCS	1,650-6,340 ft
DM	1,797-6,372 ft
DI	1,650-6,369 ft

Samples:

Cuttings	1,800-6,400 ft
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#### BRENT ENERGY, INC.

Shogrin Federal No. 1

API no.: 27-017-05205

Permit no.: 424

Location: SW¼NE¼SE¼ sec. 16, T6N, R66E

1,535 ft from south line, 1,025 ft from east line

Elevation: 5,954 ft

Completed: Sept. 24, 1985

Status: P & A

Depth: 9,178 ft

Logs:

Lithologic	1,550-9,178 ft
DI	8,137-9,162 ft
GR	1,592-8,144 ft
CNL	460-8,116 ft

**LINCOLN COUNTY (continued)**

LSS/BHCS 8,130-9,162 ft  
*Samples:*  
 Cuttings 1,534-9,180 ft  
*Remarks:* DST 8,730-9,178 ft recovered 2,500 ft of water.

**FLETCHER, C.H.**

**Fletcher No. 1**  
*API no.:* 27-017-05206  
*Permit no.:* 459  
*Location:* NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 30, T8N, R70E  
 2,343 ft from south line, 2,422 ft from west line  
*Elevation:* 5,740 ft  
*Completed:* Jan. 8, 1986  
*Status:* P & A  
*Depth:* 7,481 ft  
*Tops:*

1,884 ft	Tertiary ss.
2,240 ft	Tertiary anhydrite
4,050 ft	Tertiary claystone & ls.
4,875 ft	Tertiary conglomerate
5,870 ft	Tertiary volc.(?)
5,924 ft	Tertiary claystone & ls.
6,436 ft	Tertiary volc. tuff
7,481 ft	Tertiary TD in volc.

*Logs:*  
 Lithologic 410-7,480 ft  
 BHCS/GR 396-7,469 ft  
 DI 396-7,469 ft

*Samples:*  
 Cuttings 408-7,481 ft

**GULF OIL CORP.**

**Cave Valley Unit Federal No. 1**  
*API no.:* 27-017-05001  
*Permit no.:* 100  
*Location:* NE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 19, T7N, R64E  
 680 ft from south line, 500 ft from east line  
*Elevation:* 6,037 ft  
*Completed:* July 6, 1966  
*Status:* P & A  
*Depth:* 7,024 ft  
*Tops:*

Surface	valley fill
6,205 ft	base of valley fill
6,630 ft	Paleozoic

*Logs:*  
 Lithologic 0-7,024 ft  
 DIL 488-7,024 ft  
 FDL 488-7,023 ft  
 BHCS/GR 488-7,014 ft  
 ML 488-7,023 ft

*Remarks:* Water sands at 250-260 ft and 1,160-1,270 ft.

**GULF OIL CORP.**

**Nevada-Federal CM No. 1**  
*API no.:* 27-017-05002  
*Permit no.:* 95  
*Location:* center, NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 17, T1S, R60E  
 660 ft from north line, 660 ft from west line  
*Elevation:* 4,940 ft  
*Completed:* Mar. 7, 1966  
*Status:* P & A  
*Depth:* 2,434 ft  
*Logs:*  
 BHCS/GR 0-2,428 ft  
 DIL 768-2,432 ft

FDL 768-2,435 ft  
 ML 768-2,435 ft  
 DM 768-2,432 ft  
*Remarks:* Water zone at 660-800 ft.

**PEASE, WILLARD DRILLING CO.**

**Federal No. 1**  
*API no.:* 27-017-05000  
*Permit no.:* 79  
*Location:* center, NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 22, T9N, R63E  
 660 ft from north line, 1,980 ft from east line  
*Elevation:* 6,540 ft at DF  
*Completed:* May 9, 1965  
*Status:* P & A  
*Depth:* 6,264 ft  
*Logs:*  
 IES 504-6,268 ft  
 S/Cal 504-6,271 ft

**TENNECO OIL CO.**

**GB Core Hole No. 13**  
*API no.:* 27-017-05200  
*Permit no.:* 138  
*Location:* SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 29, T7N, R63E  
 2,250 ft from north line, 2,200 ft from west line  
*Elevation:* 6,200 ft  
*Completed:* Aug. 19, 1970  
*Status:* P & A  
*Depth:* 488 ft  
*Tops:*  
 Surface alluvium  
 13 ft Pennsylvanian Ely Ls.  
 265 ft Mississippian Diamond Peak  
 Fm. and Chainman Sh.  
*Logs:*  
 Lithologic 0-488 ft  
 GR 0-489 ft  
*Samples:*  
 Cuttings 0-480 ft  
*Remarks:* Water at 288 ft.

**TEXACO INC.**

**Federal No. 1**  
*API no.:* 27-017-05201  
*Permit no.:* 155  
*Location:* SE $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 18, T12S, R65E  
 2,800 ft from south line, 200 ft from east line  
*Elevation:* 3,693 ft  
*Completed:* Dec. 4, 1972  
*Status:* P & A  
*Depth:* 7,030 ft  
*Logs:*  
 Lithologic 650-7,030 ft  
 DLL 30-7,016 ft  
 CNL/FDC 2,300-6,538 ft  
 PML 2,300-6,538 ft  
 DM 2,300-7,026 ft  
*Samples:*  
 Cuttings 20-7,030 ft  
*Remarks:* Palynology and source-rock report available at NBMG.

**LYON COUNTY**

Considerable oil prospecting took place in Lyon County in the early 1900's, and at least two wells were drilled. Anderson (1909c) reported that there was little