

HUMBOLDT COUNTY (continued)

Permit no.: 268

Location: NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 19, T35N, R42E

2,100 ft from south line, 676 ft from east line

Elevation: 4,400 ft

Completed: Mar. 9, 1980

Status: P & A

Depth: 986 ft

Logs:

Lithologic	10-986 ft
IES	800-984 ft
GR/N	800-984 ft
Com/Pro	800-984 ft
FDL	800-984 ft
Field	0-986 ft

Samples:

Cuttings 0-986 ft

Remarks: Petrographic and water analysis available at NBMG. The completion date is the date that swabbing stopped. Oil shows were reported by the operator when the well was swabbed.

HUMBOLDT ASSOCIATES

Ellison No. 2

API no.: 27-013-05003

Permit no.: 383

Location: SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 19, T35N, R42E

2,000 ft from north line, 2,000 ft from east line

Elevation: 4,400 ft

Completed: July 4, 1984

Status: P & A

Depth: 1,020 ft

Logs:

Driller 0-1,020 ft

SUN EXPLORATION & PRODUCTION CO.

King Lear Federal No. 1-17

API no.: 27-013-05002

Permit no.: 347

Location: SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 17, T37N, R29E

600 ft from south line, 555 ft from west line

Elevation: 3,950 ft

Completed: June 4, 1983

Status: P & A

Depth: 7,931 ft

Logs:

GR	6,020-7,894 ft
FIL	6,020-7,931 ft
CNL/FDC	6,020-7,929 ft
DI	6,020-7,926 ft
Variable density waveform	6,020-7,932 ft
Computer processed	6,020-7,931 ft

Samples:

Cuttings 10-7,931 ft

Remarks: Core analysis available at NBMG. Oil show reported from core analysis at 6,880-7,052 ft and was detected as yellow and gold specular fluorescence. Very slightly gas-cut mud reported from DST at 6,894-6,930 ft.

WESTERN PACIFIC RAILROAD CO.

Sulphur-M.P. 474.67

API no.: 27-013-04999

Permit no.: HU1

Location: T35N, R29E

Completed: 1909

Status: D & A

Depth: 970 ft

Logs:

Lithologic 0-970 ft

Remarks: Possible oil show at 845-875 ft, although samples examined at the University of Nevada appear to be a refined product. Water zones at 440-455 ft, 495-510 ft, and 560-670 ft. Well tested to 60 GPM of water. This well was put down at the Western Pacific station of Sulphur, Nevada, at mile post (M.P.) 474.67.

LANDER COUNTY

Lander County has received only a small amount of drilling attention, and no surface oil shows or seeps are known. One deep well, the Phillips Petroleum Co. Stoneberger Creek Federal A No. 1-35, had a minor gas show. The shallow Voorhees wells were drilled for stratigraphic information in the Battle Mountain area on a presumed anticline. The only oil and gas shows were reported by the operator of the Jeff H. Voorhees No. 1 Fee Well. The deepest well in the county, the ATR Ginn No. 1-13, was drilled as a geothermal well by Chevron to a depth of 9,563 ft with no reported oil or gas shows.

Well Data

ARCO OIL & GAS CO.

Antelope Valley No. 1

API no.: 27-015-05005

Permit no.: 407

Location: NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 26, T25N, R40E

805 ft from north line, 825 ft from east line

Elevation: 4,948 ft

Completed: Jan. 13, 1985

Status: P & A

Depth: 4,600 ft

Tops:

Surface	Quaternary valley fill
692 ft	Tertiary volc. tuff #1
1,250 ft	Tertiary volc. tuff #2
2,438 ft	Tertiary volc. tuff #3
2,938 ft	pre-Tertiary

Logs:

Lithologic	127-4,600 ft
FDC/CN/GR	53-3,258 ft
DI	45-3,254 ft
DM	3,288-4,596 ft
DL	53-3,258 ft
DLL	3,172-4,600 ft
Digitized waveforms	1,207-3,252 ft
S	46-4,588 ft

Samples:

Cuttings 130-4,600 ft

BLALACK DRILLING CO.

Voorhees No. 1

API no.: 27-015-05003

Permit no.: 26

Location: NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 34, T32N, R45E

98 ft from north line, 2,786 ft from east line

Elevation: 4,537 ft

Completed: 1956

Status: Unknown

Depth: 3,456 ft

LANDER COUNTY (continued)

Logs:
 ES 105-3,005 ft
 ML 750-2,800 ft

Remarks: Oil shows were reported. Well flowed water and these artesian zones might not have been plugged off from the rest of the well. This well was re-entered in 1967 with a mineral exploration drilling rig. Records indicate that this well has not been properly plugged.

CHEVRON OIL CO.**ATR Ginn No. 1-13**

API no.: 27-015-90000

Permit no.: 159

Location: center, SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 13, T31N, R47E

Completed: 1974

Status: Geothermal well

Depth: 9,563 ft (?)

Remarks: This well was drilled as a geothermal well.

MID-CENTRAL DRILLING CO.**Orwitz No. 1**

API no.: 27-015-05004

Permit no.: 36

Location: SW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 34, T32N, R45E

Completed: 1957

Status: D & A

Depth: 3,187 ft

NEVADA OIL & GAS CO.**Government No. 1**

API no.: 27-015-04998

Permit no.: LA10

Location: NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 34, T32N, R45E

Elevation: 4,537 ft

Status: D & A

NEWMAN, CARL**Austin No. 1**

API no.: 27-015-0500

Permit no.: LA1

Location: center, SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 17, T19N, R43E

Status: D & A

PHILLIPS PETROLEUM CO.**Stoneberger Creek Federal A No. 1-35**

API no.: 27-015-05006

Permit no.: 410

Location: SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 35, T19N, R47E

660 ft from south line, 660 ft from east line

Elevation: 6,267 ft

Completed: Mar. 9, 1985

Status: P & A

Depth: 5,050 ft

Logs:

Surface	Quaternary alluvial valley fill
390 ft	Tertiary volc.
3,596 ft	Paleozoic

Logs:

Lithologic	80-5,049 ft
DIL/ML	1,100-5,035 ft
BHCS	81-5,044 ft
TS	81-5,049 ft
DI	81-1,103 ft
GR	1,100-5,047 ft
CNL	1,100-5,047 ft

Samples:

Cuttings 100-5,049 ft

Remarks: Core analysis is available at NBMG for 4,892-4,912 ft. DST at 3,439-3,635 ft had a minor gas show.

VOORHEES, JESS H.**No. 1 Fee Well**

API no.: 27-015-05001

Permit no.: LA8

Location: SE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 27, T32N, R45E

Elevation: 4,537 ft

Completed: 1946

Status: P & A

Depth: 912 ft

Remarks: Minor oil and gas show reported by J. H. Voorhees at 866-912 ft. Three artesian water zones between the surface and 540 ft depth had a combined flow of 2,800 GPM. This well was redrilled to a depth of 3,456 ft in 1955-56 by J. D. Blalack.

VOORHEES, JESS H.**No. 2 Fee Well**

API no.: 27-015-05002

Permit no.: LA9

Location: center, S $\frac{1}{2}$ SW $\frac{1}{4}$ sec. 27, T32N, R45E

Elevation: 4,537 ft

Completed: 1947

Status: D & A

Depth: 540 ft

Remarks: Three artesian water zones encountered that had a combined flow of 2,800 GPM.

VOORHEES, JESS H.**No. 1 S**

API no.: 27-015-04997

Permit no.: LA7

Location: SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 30, T32N, R46E

Completed: 1946

Status: D & A

Depth: 326 ft

Remarks: This well was drilled for stratigraphic information.

VOORHEES, JESS H.**No. 2 S**

API no.: 27-015-04996

Permit no.: LA6

Location: SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 31, T32N, R46E

Completed: 1946

Status: D & A

Depth: 412 ft

Remarks: This well was drilled for stratigraphic information.

VOORHEES, JESS H.**No. 3 S**

API no.: 27-015-04995

Permit no.: LA5

Location: NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 2, T31N, R46E

Completed: 1946

Status: D & A

Depth: 639 ft

Remarks: This well was drilled for stratigraphic information.

VOORHEES, JESS H.**No. 4 S**

API no.: 27-015-04994

Permit no.: LA4

Location: NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 32, T32N, R45E

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 Pahrangat 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