de Benneville K. Seeley, Jr.

Operator	NORTHWEST EXPLORATION COMPANY
Hole No.	#7
Prospect	White River Valley
County	Nye
State	Nevada
Twp / Rge	T. 7N R. 61E
Sec	34
Footage within section	660' N/S - 2147' W/E
Total depth	5000'
Status	P & A
Elev.	KB 5227' DF GL 5221'
Logs	DIL
Spud date	12/28/80
Completion date	1/16/81
Drlg contractor	Blue-H Well Service
Described by	B. Henry
Plotted by	same

Remarks:

Drlg. & Engr. Data	Drilling Time (minutes/foot)	Lithology	Description

Bit #1 12 1/4" STC DGJ (RR)

100

200

300

Dev 1°

Set 9 5/8" Csg w 300 Scks Cem

Bit #2 6 1/4" Sec S88F

WOB 3/4,000 RPM 90

400

Valley Fill, Clay, wh, grn-gy, marly firm

Mud WT 8.9 VIS 32 WL 16

AA w/o wh Clay

Valley Fill, Marl, dk grn-gy, consol. of locally cont pale - high dor firm - hard

500

AA, now lt brn-gy w few qtz gs

Valley Fill, Marl, grn-wh, pelletoidal sli calc, firm

600

700

Valley Fill, Marl, wh, grn-wh, pt pelletoidal, sli grn w few lt grn sltst strks, firm

Dev 1/4"

Mud WT 8.9 VIS 31 WL 22.4

WOB 5,000 RPM 90

800

AA w/o grn-wh, w tan Marl

900

Dev 1/2°

V.F. Marl, wh, Tan, w few vcol lgd gs, tr Ls, few pellets, gummy soft

WOB 4,000 RPM 100

1000

V.F. Sd and Gvl, uncons, sub-rd, pred vcol Volc frags, abnt m-vc qtz gs

1100

Dev 1/2°

No Sample

Bit #3 6 1/4" Smith F-3 WOB 5,000 RPM 90

1200

VF, AA w occ brn Ls frags

AA w incr brn Ls frags, sl lime vf-m

Dev 0°

1300

Mud WT 8.9 VIS 32 WL 14.4

VF, AA, pred brn Ls frags, occ smoky qtz gs

1400

1500

Dev 0°

VF, Sd and Gvl, uncons, ang-subrd, pred brn Ls frags, sl lime, vf-m, brn and tan Cht, vcol Volc frags, few clr qtz gs

1600

1700

1800

1900

Dev 1 3/4°

Bit #4 6 1/4" STC F-2 WOB 4,000 RPM 90

AA, incr Volcs - pred red-brn

Mud WT 9 VIS 37 WL 16.4

VF, Sd and Gvl, uncons, ang-subrd, pred red-brn Volc frags, abnt vitreous Tuffs, few m-vc bio xtls, Ls frags, sl lime, few qtz xtls, occ brn Cht frags, few clr qtz gs

AA, now pred brn Ls frags tan

2000

AA, now pred red-brn Welded Tuff frags

2100

Dev 1 1/2°

VF, Sd and Gvl, uncons, ang-rd, vcol Volc frags, pred dk gy and bl-grn, few brn Ls frags

2200

No Sample

VF, Sd and Gvl, uncons, sub-rd, brn Ls frags, vcol Volc, welded Tuff, brn and tan Cht, trace qtz gs

TOP TERTIARY VOLCANICS

Tuff, highly welded, bl-grn, f-c bio xtls

Sd and Gvl, uncons, ang-subrd, vcol welded Tuff frags, few vcol Volc, brn Ls frags, brn Cht, trace qtz gs

2300

Tuff, highly welded, orng w few m-c Bio xtls, occ Ca filled fracs

2400

WOB 3/4000 RPM 90

Dev 2 1/2°

Mud WT 8.9 VIS 38 WL 18.4

2500

2600

Dev 3 1/2°

2700

Tuff, highly welded, v lt gy, m-vc bio and qtz xtls

No Sample

Poor Smples, V abnt Cvgs

Tuff, highly welded, v lt gy and orng, pale orng w few m-c bio xtls, v lt gy w bio and qtz xtls, some Ca frac filling

2800

Mud WT 9.1 VIS 40 WL 16.4

Dev 4°

2900

3000

Dev 1°

Bit #5 6 1/4" STC F-2 (Damaged)

Bit #6 6 1/4" STC F-3

WOB 6,000 RPM 90

Geolograph Malfunction

3100

3200

No Sample

Poor Smples

Tuff, highly welded, v lt gy, m-vc bio xtls and qtz xtls

Tuff aa, spl pred m-vc qtz xtls

3300

WOB 7,000 RPM 90

Poor Samples

Tuff, highly welded, v lt pk-orng, bl-grn, m-vc bio and qtz xtls

3400

Mud WT 9 VIS 37 WL 16.8

Bit #7 6 1/4" SEC S88F WOB 5/6,000 RPM 90

Samples Improved

Tuff, mod-highly welded, v pale pk-orng, v pale grn mot, occ lt grn Tuff, locally welded, abnt m-vc bio xtls, m-vc qtz xtls

Dev 4°

3500

V Poor Samples

Tuff, highly welded, pale bl-grn, v pale pk-orng, m-vc bio xtls, abnt m-vc qtz xtls

WOB 6/7,000 RPM 90

Mud WT 8.9 VIS 38 WL 16.4

Dev 4°

3600

3700

Mud WT 8.9 VIS 40 WL 16

Bit #8 6 1/4" Smith F-3 WOB 4,000 RPM 90

Samples Improved

Tuff, highly welded, pale orng w wh and pale bl-grn mot, abnt m-vc bio xtls, m-vc qtz xtls

3800

Dev 5°

AA, incr pale bl-grn tuff

Lost 300 bbls mud

AA, decr pale bl-grn Tuff, decr bio xtls, sev amphiboles, abnt SKs

3900

Lost 36 bbls mud

No Sample - lost circulation

V Poor Sample

Tuff, highly welded, pale orng, pale bl-grn, m-vc bio and qtz xtls

Sample not caught

V Poor Sample

Tuff, highly welded, pale orng w pale grn and wh mot, m-vc qtz and bio xtls, SKs

4000

Samples Improved

Tuff, highly welded, pale grn, m-vc bio and qtz xtls

AA w abnt qtz xtls, few amphiboles

AA, V poor Samples

4100

Lost 100 bbls mud

Dev 5 1/4°

4200

Samples Improved

Tuff, highly welded, lt gy w brn streaks and blebs, m-vc bio and m-c qtz xtls

4300

Lost 187 bbls mud

No Samples - lost circulation

4400

Bit #9 6 1/4" RTC FP62-J

No Samples - Insufficient cuttings in mud

V. Poor Samples

Tuff, mod welded, lt gy w few brn streaks and blebs, m-c bio and qtz xtls

Mud WT 8.7 VIS 38 WL 18

AA Samples Improved - continued abnt cvgs

AA Poor Samples

4500

Poor Samples - Abnt Cvgs

Tuff, highly welded, lt gy, m-vc bio and qtz xtls

4600

Dev 4°

AA w some pale grn-gy Tuff

Samples not caught

4700

Poor Samples - Abnt Cvgs

Tuff, mod welded, pale bl-gy w f-vc bio and m-vc qtz xtls

Mud WT 8.6 VIS 44 WL 12.4

AA infrd w pale pink Tuff mod welded w few f-c bio and abnt m-vc qtz xtls

4800

Poor Samples

Tuff, mod welded, bl-grn, few f-m bio xtls, m-vc qtz xtls

Dev 4°

4900

AA w some pale bl-gy Tuff

5000

Total Depth