



15-083-21347

7-21-24W

DIAMOND TESTING

P. O. Box 157
HOISINGTON, KANSAS 67544
(316) 653-7550

Company Black Diamond Oil, Inc. Lease & Well No. King No. 1Elevation 2295 KB Formation Mississippi Effective Pay --- Ft. Ticket No. J825Date 11-5-90 Sec. 7 Twp. 21S Range 24W County Hodgeman State KansasTest Approved By Kenneth Vehige Diamond Representative John RiedlFormation Test No. 1 Interval Tested from 4,355 ft. to 4,400 ft. Total Depth 4,400 ft.Packer Depth 4,350 ft. Size 6 3/4 in. Packer Depth --- ft. Size --- in.Packer Depth 4,355 ft. Size 6 3/4 in. Packer Depth --- ft. Size --- in.Depth of Selective Zone Set ---Top Recorder Depth (Inside) 4,342 ft. Recorder Number 11017 Cap. 3,800 psiBottom Recorder Depth (Outside) 4,397 ft. Recorder Number 11073 Cap. 4,000 psiBelow Straddle Recorder Depth --- ft. Recorder Number --- Cap. ---Drilling Contractor Emphasis Oil Operations - Rig 7 Drill Collar Length 30 ft. I.D. 2 1/4 in.Mud Type Chemical Viscosity 42 Weight Pipe Length --- I.D. 2 7/8 in.Weight 9.0 Water Loss 10.0 cc. Drill Pipe Length 4,301 ft. I.D. 3 1/2 in.Chlorides 10,000 P.P.M. Test Tool Length 24 ft. Tool Size 3 1/2-FH in.Jars: Make Bowen Serial Number N/A Anchor Length 45 ft. Size 4 1/2-FH in.Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.Blow: 1st Open: Weak blow. Dead in 12 mins.2nd Open: No blow.Recovered 10 ft. of oil cut mud = .049 bbls.Recovered --- ft. of ---Recovered --- ft. of ---Recovered --- ft. of ---Recovered --- ft. of ---Remarks ---Time Set Packer(s) 8:30 ~~XXX~~ P.M. Time Started Off Bottom 9:32 ~~XXX~~ P.M. Maximum Temperature 112°Initial Hydrostatic Pressure --- (A) 2197 P.S.I.Initial Flow Period --- Minutes 30 (B) 36 P.S.I. to (C) 36 P.S.I.Initial Closed In Period --- Minutes 30 (D) 200 P.S.I.Final Flow Period --- Minutes 2 (E) --- P.S.I. to (F) --- P.S.I.Final Closed In Period --- Minutes --- (G) --- P.S.I.Final Hydrostatic Pressure --- (H) 2163 P.S.I.



DIAMOND TESTING

P. O. Box 157
HOISINGTON, KANSAS 67544
(316) 653-7550

Company Black Diamond Oil, Inc. Lease & Well No. King No. 1
Elevation 2295 KB Formation Marmaton Effective Pay Ft. Ticket No. J826
Date 11-6-90 Sec. 7 Twp. 21S Range 24W County Hodgeman State Kansas
Test Approved By Kenneth Vehige Diamond Representative John Riedl

Formation Test No. 2 Interval Tested from 4,190 ft. to 4,400 ft. Total Depth 4,400 ft.

Packer Depth 4,185 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Packer Depth 4,190 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4,177 ft. Recorder Number 11017 Cap. 3,800 psi

Bottom Recorder Depth (Outside) 4,397 ft. Recorder Number 11073 Cap. 4,000 psi

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor Emphasis Oil Operations - Rig 7 Drill Collar Length 30 ft. I.D. 2 1/4 in.

Mud Type Chemical Viscosity 42 Weight Pipe Length I.D. 2 7/8 in.

Weight 9.0 Water Loss 10.0 cc. Drill Pipe Length 4,136 ft. I.D. 3 1/2 in.

Chlorides 10,000 P.P.M. Test Tool Length 24 ft. Tool Size 3 1/2-FH in.

Jars: Make Bowen Serial Number N/A Anchor Length 210 ft. Size 4 1/2-FH in.

Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Strong blow. Off bottom of bucket in 15 mins.

2nd Open: Strong blow. Off bottom of bucket in 3 mins.

Recovered 1,500 ft. of gas in pipe

Recovered 230 ft. of gassy frothy oil = 2.987 bbls. Gravity: 37° @ 60°
(Grind out: 15%-gas; 15%-mud; 70%-oil)

Recovered 230 ft. of TOTAL FLUID = 2.987 bbls.

Recovered ft. of

Recovered ft. of

Remarks

Time Set Packer(s) 1:00 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 4:45 ~~P.M.~~ ^{A.M.} Maximum Temperature 108°

Initial Hydrostatic Pressure (A) 2115 P.S.I.

Initial Flow Period 45 Minutes (B) 38 P.S.I. to (C) 42 P.S.I.

Initial Closed In Period 45 Minutes (D) 1271 P.S.I.

Final Flow Period 60 Minutes (E) 88 P.S.I. to (F) 94 P.S.I.

Final Closed In Period 75 Minutes (G) 1319 P.S.I.

Final Hydrostatic Pressure (H) 2102 P.S.I.



DIAMOND TESTING
P. O. Box 157
HOISINGTON, KANSAS 67544
(316) 653-7550

Company Black Diamond Oil, Inc. Lease & Well No. King No. 1
Elevation 2295 KB Formation Mississippi Effective Pay Ft. Ticket No. J827
Date 11-6-90 Sec. 7 Twp. 21S Range 24W County Hodgeman State Kansas
Test Approved By Kenneth Vehige Diamond Representative John Riedl

Formation Test No. 3 Interval Tested from 4,401 ft. to 4,409 ft. Total Depth 4,409 ft.

Packer Depth 4,396 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Packer Depth 4,401 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4,388 ft. Recorder Number 11017 Cap. 3,800 psi

Bottom Recorder Depth (Outside) 4,406 ft. Recorder Number 11073 Cap. 4,000 psi

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor Emphasis Oil Operations - Rig 7 Drill Collar Length 30 ft. I.D. 2 1/4 in.

Mud Type Chemical Viscosity 45 Weight Pipe Length I.D. 2 7/8 in.

Weight 9.3 Water Loss 11.6 cc. Drill Pipe Length 4,345 ft. I.D. 3 1/2 in.

Chlorides 10,700 P.P.M. Test Tool Length 26 ft. Tool Size 3 1/2-FH in.

Jars: Make Bowen Serial Number N/A Anchor Length 8 ft. Size 4 1/2-FH in.

Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Steady weak, 3/4 in., blow.
2nd Open: Weak surface blow.

Recovered 15 ft. of free oil = .0735 bbls. (Gravity: 36° @ 60°)

Recovered 30 ft. of oil cut mud = .2865 bbls. (Grind out: 10%-oil; 90%-mud)

Recovered 45 ft. of TOTAL FLUID = .36 bbls.

Recovered ft. of

Recovered ft. of

Remarks

Time Set Packer(s) 2:45 ~~AM~~ P.M. Time Started Off Bottom 4:30 ~~AM~~ P.M. Maximum Temperature 114°

Initial Hydrostatic Pressure (A) 2207 P.S.I.

Initial Flow Period 45 Minutes (B) 50 P.S.I. to (C) 54 P.S.I.

Initial Closed In Period 45 Minutes (D) 11:20 P.S.I.

Final Flow Period 15 Minutes (E) 70 P.S.I. to (F) 60 P.S.I.

Final Closed In Period Minutes (G) P.S.I.

Final Hydrostatic Pressure 2186 (H) 2186 P.S.I.