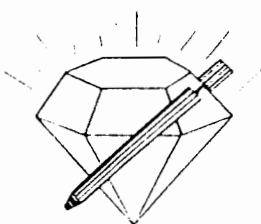


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DIAMOND TESTING

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

DRILL-STEM TEST TICKET

Company Black Diamond Oil Inc Lease & Well No. Bobcock #1
Contractor Emphasis Rig 7 Charge to Black Diamond Oil Inc
Elevation 2501 KB Formation LKC Effective Pay _____ Ft. Ticket No. 100
Date 9-22-70 Sec. 27 Twp. 15 S Range 26 W County Gove State KANSAS
Test Approved By [Signature] Diamond Representative Fogel, D. Friendly
Formation Test No. 1 Interval Tested from 3960 ft. to 4050 ft. Total Depth 4050 ft.
Packer Depth 3955 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 3960 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3948 ft. Recorder Number 13386 Cap. 3875 P.S.I.
Bottom Recorder Depth (Outside) 4047 ft. Recorder Number 13556 Cap. 4425 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chemical Viscosity 49 Drill Collar Length 31 ft. I.D. 2 1/4 in.
Weight 9.0 Water Loss 8.6 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides 8200 P.P.M. Drill Pipe Length 3985 ft. I.D. 3 1/2 in.
Jars, Make BOWEN Serial Number N/A Test Tool Length 25 ft. Tool Size 3 1/2 in.
D.I. Well Flow? NO Reversed Out N/O Anchor Length 90 ft. Size 4 1/2 in.
Main Hole Size 3 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

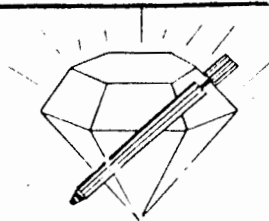
Blow: 1st Flow: Weak 1/2" blow slowly increasing to 1 3/4" @ end
2nd Flow: Weak 1/4" blow slowly increasing to @ end

Recovered 5.5 ft. of Drilling mud (thin) with a few oil specks
Recovered _____ ft. of some free oil on tool
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Remarks: _____
Price Job _____
Other Charge: _____
Insurance _____
Total _____

Time Set Packer(s) 13:05 A.M. Time Started Off Bottom 2:05 A.M. Maximum Temperature 118°
Initial Hydrostatic Pressure _____ (A) 1936 P.S.I. 1938
Initial Flow Period _____ Minutes 30 (B) 66 P.S.I. to (C) 72 P.S.I.
Initial Closed In Period _____ Minutes 30 (D) 896 P.S.I. 86
Final Flow Period _____ Minutes 30 (E) 82 P.S.I. to (F) 83 P.S.I.
Final Closed In Period _____ Minutes 30 (G) 842 P.S.I. 844
Final Hydrostatic Pressure _____ (H) 1914 P.S.I. 1914

27-15-26W



DIAMOND TESTING

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

DRILL-STEM TEST TICKET

Company Black Diamond Oil Inc Lease & Well No. Babcock # 1
Contractor Emphasis Rig 7 Charge to Black Diamond
Elevation 5521 KB Formation MISS Effective Pay _____ Ft. Ticket No. 155
Date 8-30-90 Sec. 27 Twp. 45 S Range 26 W County GOVE State KANSAS
Test Approved By [Signature] Diamond Representative Roger D. Friendly

Formation Test No. 2 Interval Tested from 4422 ft. to 4442 ft. Total Depth 4442 ft.

Packer Depth 4417 ft. Size _____ in. Packer Depth _____ ft. Size _____ in.

Packer Depth 4422 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4410 ft. Recorder Number 13386 Cap. 3875 P.S.I.

Bottom Recorder Depth (Outside) 4439 ft. Recorder Number 13556 Cap. 4425 P.S.I.

Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chemical Viscosity 45 Drill Collar Length 31 ft. I.D. 2 1/4 in.

Weight 9.3 Water Loss 8.6 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.

Chlorides 5200 P.P.M. Drill Pipe Length 4366 ft. I.D. 3 1/2 in.

Loss Mat. BOWEN Serial Number 121A Test Tool Length 25 ft. Tool Size 3 1/2 in.

Did Well Flow? NO Reversed Out NO Anchor Length 20 ft. Size 4 1/2 in.

Main Hole Size 7 7/8 Tool Joint Size 4 1/2 X H in. Surface Choke Size 1 in. Bottom Choke Size 5 8 in.

Blow: 1st Flow: Weak 1/4" slowly increasing to 2 3/4" @ 2nd

2nd Flow: Weak surface blow slowly increasing to 2" @ 2nd

Recovered 92 ft. of Top 30' Clean Oil

Recovered _____ ft. of BTM 62 SDS DM Less than 2% Oil

Recovered _____ ft. of _____

Recovered _____ ft. of _____ Price Job _____

Recovered _____ ft. of _____ Other Charges _____

Remarks: _____ Insurance _____

_____ Total _____

Time Set Packer(s) 9:30 ~~A.M.~~ P.M. Time Started Off Bottom 1:15 A.M. P.M. Maximum Temperature 126°

Initial Hydrostatic Pressure _____ (A) 2168 P.S.I. 2160

Initial Flow Period _____ Minutes 45 (B) 29 P.S.I. to (C) 35 P.S.I.

Initial Closed In Period _____ Minutes 45 (D) 1115 P.S.I. 1115

Final Flow Period _____ Minutes 60 (E) 44 P.S.I. to (F) 55 P.S.I.

Final Closed In Period _____ Minutes 75 (G) 1115 P.S.I. 1115



DIAMOND TESTING

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

DRILL-STEM TEST TICKET

Company Black Diamond Oil Inc Lease & Well No. Babcock
Contractor Emphasis Rig Charge to Black Diamond
Elevation 2501 KRB Formation For. 50th / MISS Effective Pay _____ Ft. Ticket No. 701
Date 1-10-70 Sec. 27 Twp. 15 S Range 16 W County GOV State KANSAS
Test Approved By [Signature] Diamond Representative Roger D. Friendly

Formation Test No. 3 Interval Tested from 4330 ft. to 4442 ft. Total Depth 4442 ft.
Packer Depth 4325 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 4330 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4318 ft. Recorder Number 13386 Cap. 3875 P.S.I.
Bottom Recorder Depth (Outside) 4439 ft. Recorder Number 13556 Cap. 4425 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chemical Viscosity 45 Drill Collar Length 31 ft. I.D. 2 1/4 in.
Weight 9.3 Water Loss 8.6 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides 5200 P.P.M. Drill Pipe Length _____ ft. I.D. 3 1/2 in.
Lars: Make BOWEN Serial Number N/A Test Tool Length 25 ft. Tool Size 3 1/2 in.
Did Well Flow? NO Reversed Out NO Anchor Length 112 ft. Size 4 1/2 in.
Main Hose Size 2 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Flow N/A slowly increasing to 2 3/4"
2nd Flow: N/A

Recovered 50 ft. of slightly oil cut drilling mud

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

Time Set Packert(s) 5:42 A.M. Time Started Off Bottom 6:42 A.M. Maximum Temperature 126

Initial Hydrostatic Pressure _____ (A) 2146 P.S.I. 84

Initial Flow Period _____ Minutes 30 (B) 77 P.S.I. to (C) 82 P.S.I.

Initial Closed In Period _____ Minutes 30 (D) 1037 P.S.I.

Final Flow Period _____ Minutes N/A (E) _____ P.S.I. to (F) _____ P.S.I.

Final Closed In Period _____ Minutes N/A (G) _____ P.S.I.

Final Hydrostatic Pressure _____ (H) 2135 P.S.I.