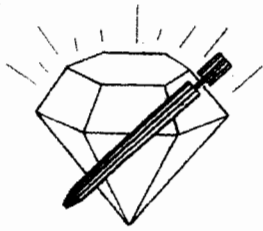


15-137-20418



DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313

DRILL-STEM TEST TICKET

27-048-22W

N2 SW NW

1035 FSL 550 FEL

ORIGINAL

Company BLACK DIAMOND OIL CO INC Lease & Well No. SANSON #1
 Contractor DISCOVERY DRILLING RIG 2 Charge to BLACK DIAMOND
 Elevation 2253 K.B. Formation TORONTO Effective Pay — Ft. Ticket No. —
 Date 7/16/01 Sec. 27 Twp. 4 S Range 22 W County NORTON State KS
 Test Approved By [Signature] Diamond Representative JOHN C. RIEDL

Formation Test No. 1 Interval Tested from 3402 ft. to 3460 ft. Total Depth 3460 ft.
 Packer Depth 3397 ft. Size 6 3/4 in. Packer Depth — ft. Size — in.
 Packer Depth 3402 ft. Size 6 3/4 in. Packer Depth — ft. Size — in.
 Depth of Selective Zone Set —

Top Recorder Depth (Inside) 3405 ft. Recorder Number 13556 Cap. 5475 P.S.I. Refr
 Bottom Recorder Depth (Outside) 3457 ft. Recorder Number 13498 Cap. 4000 P.S.I.
 Below Straddle Recorder Depth — ft. Recorder Number — Cap. — P.S.I.

Mud Type CHCM Viscosity 43 Drill Collar Length 0 ft. I.D. 2 1/4 ir
 Weight 91 Water Loss P cc. Weight Pipe Length 0 ft. I.D. 2 7/8 ir
 Chlorides 2,000 P.P.M. Drill Pipe Length 3382 ft. I.D. 3 1/2 ir
 Jars: Make BOWEN Serial Number NOT KN Test Tool Length 20 ft. Tool Size 3 1/2-IF ir
 Did Well Flow? NO Reversed Out NO Anchor Length 58 ft. Size 4 1/2-FH ir
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 ir

Blow: 1st Open: WEAK BLOW (1/2")
 2nd Open: WEAK BLOW (3/4" INC TO 1")

Recovered 60 ft. of DRILLING MUD w/ spots of oil
 Recovered 80 ft. of MUD (57% MUD 95% WATER) (CHLORIDE 38,000 PPM)
 Recovered — ft. of —

Recovered <u>—</u> ft. of <u>—</u>	RECEIVED NOV 09 2001 KCC WICHITA	Price Job
Recovered <u>140</u> ft. of <u>TOTAL FLUID KCC</u>		Other Charges
Remarks: <u>—</u>		Insurance
		Total

Time Set Packer(s) 4:30 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 7:30 ~~P.M.~~ ^{A.M.} Maximum Temperature 105
 Initial Hydrostatic Pressure (A) 1639 P.S.I.
 Initial Flow Period Minutes 45 (B) 27 P.S.I. to (C) 33 P.S.I.
 Initial Closed In Period Minutes 45 (D) 1065 P.S.I.
 Final Flow Period Minutes 45 (E) 46 P.S.I. to (F) 58 P.S.I.
 Final Closed In Period Minutes 45 (G) 972 P.S.I.
 Final Hydrostatic Pressure (H) 1600 P.S.I.



DIAMOND TESTING

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(620) 653-7550 (800) 542-7313

DRILL-STEM TEST TICKET

ORIGINAL

Company BLACK DIAMOND OIL CO. 126 Lease & Well No. SANSON #1
Contractor DISCOVERY DRILLING RIG 1 Charge to BLACK DIAMOND
Elevation 2253 K.B. Formation LKC "H" Effective Pay _____ Ft. Ticket No. _____
Date 7/17/01 Sec. 24 Twp. 4 S Range 22 W County NORTON State _____
Test Approved By [Signature] Diamond Representative JOHN C. RIEDL

Formation Test No. (2) Interval Tested from 3529 ft. to 3573 ft. Total Depth 3573 ft.

Packer Depth 3524 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 3529 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3532 ft. Recorder Number 13556 Cap. 5425 P.S.I. HEAL

Bottom Recorder Depth (Outside) 3570 ft. Recorder Number 13498 Cap. 3925 P.S.I.

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

Mud Type CHEMICAL Viscosity 46 Drill Collar Length 0 ft. I.D. 2 1/4 in.

Weight 9.2 Water Loss 8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.

Chlorides 2,000 P.P.M. Drill Pipe Length 3509 ft. I.D. 3 1/2 in.

Jars: Make BOWEN Serial Number NOT RAN Test Tool Length 20 ft. Tool Size 3 1/2-IF in.

Did Well Flow? NO Reversed Out NO Anchor Length 48 ft. Size 4 1/2-FH in.

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

Blow: 1st Open: WEAK BLOW (1/4" BUILDING TO 1")

2nd Open: WEAK BLOW (1" BUILDING TO 2")

Recovered 20 ft. of FREE OIL (570 GAS 9570 OIL) 26 GRAVITY @ 60°

Recovered 35 ft. of HMC60 (4070 MUD 1070 GAS 5070 OIL)

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered 55 ft. of TOTAL R/C

Remarks: _____

RECEIVED
NOV 09 2001
KCC WICHITA

Time Set Packer(s) 2:10 A.M. Time Started Off Bottom 5:10 A.M. Maximum Temperature 107°

Initial Hydrostatic Pressure _____ (A) 1707 P.S.I.

Initial Flow Period _____ Minutes 45 (B) 27 P.S.I. to (C) 32 P.S.I.

Initial Closed In Period _____ Minutes 45 (D) 1038 P.S.I.

Final Flow Period _____ Minutes 45 (E) 33 P.S.I. to (F) 36 P.S.I.

Final Closed In Period _____ Minutes 45 (G) 997 P.S.I.

Final Hydrostatic Pressure _____ (H) 1682 P.S.I.



DIAMOND TESTING
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DRILL-STEM TEST TICKET

ORIGINAL

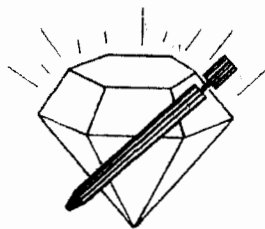
Company BLACK DIAMOND OIL COMPANY Lease & Well No. SANSON #1
Contractor DISCOVERY DRILLING R162 Charge to BLACK DIAMOND
Elevation 2253 K.B. Formation LKC L.K. Effective Pay — Ft. Ticket No. —
Date 7/12/01 Sec. 24 Twp. 4 S Range 22 W County NORTON State —
Test Approved By [Signature] Diamond Representative JOHN C. RIEDL
Formation Test No. (3) Interval Tested from 3568 ft. to 3620 ft. Total Depth 3620 ft.
Packer Depth 3563 ft. Size 6 3/4 in. Packer Depth — ft. Size — in.
Packer Depth 3568 ft. Size 6 3/4 in. Packer Depth — ft. Size — in.
Depth of Selective Zone Set —

Top Recorder Depth (Inside) 3571 ft. Recorder Number 13356 Cap. 5472 P.S.I. 1.1 A
Bottom Recorder Depth (Outside) 3617 ft. Recorder Number 13498 Cap. 3925 P.S.I.
Below Straddle Recorder Depth — ft. Recorder Number — Cap. — P.S.I.
Mud Type CHEMICAL Viscosity 42 Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 9.2 Water Loss 9 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 2,000 P.P.M. Drill Pipe Length 3348 ft. I.D. 3 1/2 in.
Jars: Make BOWEN Serial Number NOT RAN Test Tool Length 20 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 52 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: NO WK BLOW DEAD 5 MINUTES
2nd Open: NO BLOW FLUSHED TOOL BUT NO HELP

Recovered 10 ft. of DRILLING MUD
Recovered — ft. of —
Recovered — ft. of —
Recovered — ft. of —
Recovered — ft. of —
Remarks: —
Price Job —
Other Charges —
Insurance —
Total —

Time Set Packer(s) 4:30 P.M. Time Started Off Bottom 5:35 P.M. Maximum Temperature 108°
Initial Hydrostatic Pressure (A) 1803 P.S.I.
Initial Flow Period Minutes 30 (B) 32 P.S.I. to (C) 34 P.S.I.
Initial Closed In Period Minutes 30 (D) 743 P.S.I.
Final Flow Period Minutes 5 (E) — P.S.I. to (F) — P.S.I.
Final Closed In Period Minutes 0 (G) — P.S.I.
Final Hydrostatic Pressure (H) 1777 P.S.I.



DIAMOND TESTING
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DRILL-STEM TEST TICKET

ORIGINAL

Company BLACK DIAMOND OIL CO INC Lease & Well No. SANSON #1
Contractor DISCOVERY DRILLING RIG 2 Charge to BLACK DIAMOND
Elevation 2253 K.B. Formation ARB Effective Pay _____ Ft. Ticket No. _____
Date 7/18/01 Sec. 94 Twp. 4 S Range 22 W County NORTON State _____
Test Approved By [Signature] Diamond Representative JOHN C. RIEDL
Formation Test No. 4 Interval Tested from 3634 ft. to 3699 ft. Total Depth 3699 ft.
Packer Depth 3629 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 3634 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3637 ft. Recorder Number 13356 Cap. 5475 P.S.I. RCA
Bottom Recorder Depth (Outside) 3696 ft. Recorder Number 13498 Cap. 3925 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Mud Type CHEMICAL Viscosity 45 Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 9.2 Water Loss 6 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 2,000 P.P.M. Drill Pipe Length 3614 ft. I.D. 3 1/2 in.
Jars: Make BOWEN Serial Number NOT RAN Test Tool Length 20 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 65 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow 1st Open: STRONG BLOW BOB IN 18 MINUTES
2nd Open: WEAK BLOW 2" DEPT DEAD IN 12 MINS FLUSHED TOOL TWICE BUT NO HE

Recovered 95 ft. of SLO+LCM (37% OIL 57% WATER 92% MUD)
Recovered 250 ft. of USOCMW (1% OIL 45% MUD 54% WATER) CHLORIDE 32,000 PPM

Recovered _____ ft. of _____	RECEIVED NOV 09 2001 KCC WICHITA	Price Job
Recovered _____ ft. of _____		Other Charges
Recovered <u>345</u> ft. of <u>TOTAL RECOVERY</u>		Insurance
Remarks: _____		Total

Time Set Packer(s) 9:00 A.M. P.M. Time Started Off Bottom 11:30 A.M. P.M. Maximum Temperature 110°
Initial Hydrostatic Pressure _____ (A) 1795 P.S.I.
Initial Flow Period _____ Minutes 30 (B) 46 P.S.I. to (C) 87 P.S.I.
Initial Closed In Period _____ Minutes 45 (D) 669 P.S.I.
Final Flow Period _____ Minutes 30 (E) 183 P.S.I. to (F) 218 P.S.I.
Final Closed In Period _____ Minutes 45 (G) 624 P.S.I.
Final Hydrostatic Pressure _____ (H) 1775 P.S.I.



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DRILL-STEM TEST TICKET

ORIGINAL

Company BLACK DIAMOND OIL CO INC Lease & Well No. SANSON #1
Contractor DISCOVERY DRILLING RIG 2 Charge to BLACK DIAMOND
Elevation 2253 K.B Formation ARB Effective Pay _____ Ft. Ticket No. _____
Date 7/18/01 Sec. 24 Twp. 4 S Range 22 W County NORTON State _____
Test Approved By _____ Diamond Representative JOHN C. RIEDL

Formation Test No. (5) Interval Tested from 3695 ft. to 3702 ft. Total Depth 3702 ft.
Packer Depth 3690 ft. Size 2 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 3695 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside)	<u>3685</u> ft.	Recorder Number	<u>13356</u>	Cap.	<u>5425</u>	<u>CLOCK STOPPED</u> P.S.I.
Bottom Recorder Depth (Outside)	<u>3699</u> ft.	Recorder Number	<u>13498</u>	Cap.	<u>3925</u>	<u>ROTOR</u> P.S.I.
Below Straddle Recorder Depth	_____ ft.	Recorder Number	_____	Cap.	_____	P.S.I.
Mud Type	<u>CHEMICAL</u>	Viscosity	<u>55</u>	Drill Collar Length	<u>1</u> ft.	I.D. <u>2 1/4</u> in.
Weight	<u>9.2</u>	Water Loss	<u>7</u> cc.	Weight Pipe Length	<u>0</u> ft.	I.D. <u>2 7/8</u> in.
Chlorides	<u>2,000</u>	P.P.M.		Drill Pipe Length	<u>3671</u> ft.	I.D. <u>3 1/2</u> in.
Jars: Make	<u>BOWEN</u>	Serial Number	<u>NOT RAN</u>	Test Tool Length	<u>24</u> ft.	Tool Size <u>3 1/2-IF</u> in.
Did Well Flow?	<u>NO</u>	Reversed Out	<u>NO</u>	Anchor Length	<u>7</u> ft.	Size <u>4 1/2-FH</u> in.
Main Hole Size	<u>7 7/8</u>	Tool Joint Size	<u>4 1/2 XH</u> in.	Surface Choke Size	<u>1</u> in.	Bottom Choke Size <u>5/8</u> in.

Blow: 1st Open: WEAK SURGE + THEN DEAD FLUSHED TOOL BUT NO HBP
2nd Open: WEAK BLOW DEAD IN 1 MINUTE

Recovered <u>60</u> ft. of <u>CLEAN OIL (100%) 27° @ 60°</u>	<u>RECEIVED</u> <u>NOV 09 2001</u> <u>KCC WICHITA</u>
Recovered <u>35</u> ft. of <u>MURDY OIL (45% MUD 55% OIL)</u>	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered <u>95</u> ft. of <u>TOTAL RECOVERY</u>	Price Job
Remarks: <u>HAD LEAK IN SURFACE EQUIPMENT CAUSING NO BLOW WHEN FLUID WAS IN FACT COMING INTO PIPE</u>	Other Charges
	Insurance
	Total

Time Set Packer(s) 9:05 ~~A.M.~~ P.M. Time Started Off Bottom 10:15 ~~A.M.~~ P.M. Maximum Temperature 110°
Initial Hydrostatic Pressure (A) 1800 P.S.I.
Initial Flow Period Minutes 30 (B) 30 P.S.I. to (C) 34 P.S.I.
Initial Closed In Period Minutes 30 (D) 910 P.S.I.
Final Flow Period Minutes 5 (E) 40 P.S.I. to (F) 47 P.S.I.
Final Closed In Period Minutes 0 (G) _____ P.S.I.
Final Hydrostatic Pressure 1770