

Raymond Oil Co. Inc.
DST#1 LKC"200' zone" 4280-4307
Start Test Date: 2014/01/20
Final Test Date: 2014/01/21

#1 Hineman
Formation: DST#1 LKC"200' zone" 4280-4307
Job Number: A006

#1 Hineman



DIAMOND TESTING, LLC

TESTER : ANDY CARREIRA
CELL # 620-617-7202

General Information

Company Name	Raymond Oil Co. Inc.	Contact	Clarke T. Sandberg	Job Number	A006
Well Name		Unique Well ID	#1 Hineman	Representative	ANDY CARREIRA
Surface Location	DST#1 LKC"200' zone" 4280-4307	Well Operator	Raymond Oil Co. Inc.	Report Date	2014/01/20
Well License Number	sec 4-19s-27w LANE CNTY, KS	Prepared By	ANDY CARREIRA		
Field			WILDCAT		
Well Type			Vertical		

Test Information

Test Type	CONVENTIONAL
Formation	DST#1 LKC"200' zone" 4280-4307
Well Fluid Type	01 Oil
Test Purpose	Initial Test

Start Test Date	2014/01/20	Start Test Time	14:47:00
Final Test Date	2014/01/21	Final Test Time	00:20:00

Gauge Name	5585
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Test Results

Recovery	1285'	GIP
	35'	GO 10%gas, 90%oil Gravity 37 @ 60
	126'	GW&MCO 10%gas, 55%oil, 15%water, 20%mud
	63'	GW&MCO 5%gas, 75%oil, 10%water, 10%mud
	66'	G&WCO 5%gas, 85%oil, 10%water
	60'	MW 90%water, 10%mud
	350'	Total Fluid

TOOL SAMPLE 80%oil, 20%water

Chlorides 60000
Ph 6
RW .2 @ 56



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: #1Hineman DST1

TIME ON: 14:47
TIME OFF: 00:20

Company Raymond Oil Co. Inc. Lease & Well No. #1 Hineman
Contractor LD Rig #1 Charge to Raymond Oil Co. Inc.
Elevation 2718 Formation LKC "200' zone" Effective Pay _____ Ft. Ticket No. A006
Date 1-20-14 Sec. 4 Twp. 19 S Range 27 W County Lane State KANSAS
Test Approved By _____ Diamond Representative ANDY CARREIRA

Formation Test No. 1 Interval Tested from 4280 ft. to 4307 ft. Total Depth 4307 ft.
Packer Depth 4275 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4280 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 4261 ft. Recorder Number 5585 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 4279 ft. Recorder Number 8471 Cap. 10,000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 55 Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 9.2 Water Loss 6.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 2700 P.P.M. Drill Pipe Length 4248 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number #1 Test Tool Length 32 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 27 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: BOB in 6 min. (5"bb)
2nd Open: BOB in 2 min. (6"bb)

Recovered <u>1285</u> ft. of <u>GIP</u>	
Recovered <u>35</u> ft. of <u>GO 10%gas, 90%oil, Gravity 37 @ 60</u>	
Recovered <u>126</u> ft. of <u>GW&MCO 10%gas, 55%oil, 15%water, 20%mud</u>	
Recovered <u>63</u> ft. of <u>GW&MCO 5%gas, 75%oil, 10%water, 10%mud</u>	
Recovered <u>66</u> ft. of <u>G&WCO 5%gas, 85%oil, 10%water</u>	Price Job
Recovered <u>60</u> ft. of <u>MW 90%water, 10%mud Chlorides 60000</u>	Other Charges
Remarks: <u>350' of TOTAL FLUID</u> <u>Ph 6</u>	Insurance
<u>RW .2 @ 56</u>	
<u>TOOL SAMPLE 80% oil, 20% water</u>	Total

Time Set Packer(s) 5:24PM A.M. P.M. Time Started Off Bottom 9:09PM A.M. P.M. Maximum Temperature 127

Initial Hydrostatic Pressure..... (A) 2063 P.S.I.
Initial Flow Period..... Minutes 30 (B) 12 P.S.I. to (C) 69 P.S.I.
Initial Closed In Period..... Minutes 60 (D) 914 P.S.I.
Final Flow Period..... Minutes 45 (E) 74 P.S.I. to (F) 147 P.S.I.
Final Closed In Period..... Minutes 90 (G) 913 P.S.I.
Final Hydrostatic Pressure..... (H) 2001 P.S.I.

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