



DIAMOND TESTING, LLC
 P.O. Box 157
HOISINGTON, KANSAS 67544
 (620) 653-7550 • (800) 542-7313
 GOODMAN1DST1

Company Knighton Oil Company, Inc. Lease & Well No. Goodman No. 1
 Elevation 2661 KB Formation Swope/Pleasanton Effective Pay _____ Ft. Ticket No. T603
 Date 4-3-17 Sec. 14 Twp. 18S Range 27W County _____ Lane _____ State Kansas
 Test Approved By David D. Montague Diamond Representative _____ Tim Venters

Formation Test No. 1 Interval Tested from 4,253 ft. to 4,332 ft. Total Depth 4,332 ft.
 Packer Depth 4,248 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Packer Depth 4,253 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 4,234 ft. Recorder Number 5504 Cap. 5,000 psi.
 Bottom Recorder Depth (Outside) 4,329 ft. Recorder Number 11029 Cap. 5,025 psi.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ psi.

Drilling Contractor WW Drilling, LLC - Rig 12 Drill Collar Length 120 ft I.D. 2 1/4 in.
 Mud Type Chemical Viscosity 56 Weight Pipe Length _____ ft I.D. _____ in.
 Weight 9.3 Water Loss 8.8 cc. Drill Pipe Length 4,100 ft I.D. 3 1/2 in.
 Chlorides 2,000 P.P.M. Test Tool Length 33 ft Tool Size 3 1/2-IF in.
 Jars: Make Sterling Serial Number 4 Anchor Length 15' perf. w/64' drill pipe 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: Good, 2 in. blow increasing. Off bottom of bucket in 1 1/2 mins. Bottom of bucket blow back during shut-in.
 2nd Open: Good, 2 in. blow increasing. Off bottom of bucket in 4 mins. 11 in. blow back during shut-in.

Recovered 1,755 ft. of gas in pipe
 Recovered 105 ft. of slightly gas cut oil = 1.494150 bbls. (Grind out: 2%-gas; 98%-oil) Gravity: 53 @ 60°
 Recovered 190 ft. of slightly gas cut, oily mud = 2.703700 bbls. (Grind out: 4%-gas; 47%-oil; 49%-mud)
 Recovered 255 ft. of oil & gas cut watery mud = 3.628650 bbls. (Grind out: 22%-gas; 14%-oil; 30%-water; 34%-mud)
 Recovered 185 ft. of slightly oil cut, mud cut water = 1.515350 bbls. (Grind out: 6%-oil; 83%-water; 11%-mud)
 Recovered 735 ft. of TOTAL FLUID = 9.341850 bbls.
 Recovered _____ ft. of _____

Remarks: Tool Sample Grind Out: 2%-oil; 93%-water; 5%-mud (Chlorides: 71,000 Ppm PH: 7.0 RW: .16 @ 51°)

Time Set Packer(s) 3:06 A.M. Time Started off Bottom 5:38 A.M. Maximum Temperature 125°
 Initial Hydrostatic Pressure.....(A) 2045 P.S.I.
 Initial Flow Period.....Minutes 30 (B) 75 P.S.I. to (C) 237 P.S.I.
 Initial Closed In Period.....Minutes 30 (D) 816 P.S.I.
 Final Flow Period.....Minutes 30 (E) 240 P.S.I. to (F) 329 P.S.I.
 Final Closed In Period.....Minutes 62 (G) 830 P.S.I.
 Final Hydrostatic Pressure.....(H) 2037 P.S.I.

DIAMOND TESTING, LLC**TESTER : TIM VENTERS
CELL # 620-388-6333****General Information**

Company Name	KNIGHTON OIL COMPANY, INC.	Job Number	T603
Contact	DAVE MONTAGUE	Representative	TIM VENTERS
Well Name	GOODMAN #1	Well Operator	KNIGHTON OIL COMPANY, INC.
Unique Well ID	DST #1, SWOPE/PLEAS., 4253-4332	Report Date	2017/04/03
Surface Location	SEC 14-18S-27W, LANE CO. KS.	Prepared By	TIM VENTERS
Well License Number			
Field	WILDCAT		
Well Type	Vertical		

Test Information

Test Type	CONVENTIONAL
Formation	DST #1, SWOPE/PLEAS., 4253-4332
Well Fluid Type	01 Oil
Test Purpose	Initial Test

Start Test Date	2017/04/02	Start Test Time	23:08:00
Final Test Date	2017/04/03	Final Test Time	09:16:00

Gauge Name	5504
------------	------

Test Results

RECOVERED: 1755' GAS IN PIPE
 105' SGCO, 2% GAS, 98% OIL, GRAVITY: 53
 190' SGC,OM, 4% GAS, 47% OIL, 49% MUD
 255' O&GCWM, 22% GAS, 14% OIL, 30% WATER, 34% MUD
 185' SOC,MCW, 6% OIL, 83% WATER, 11% MUD
 735' TOTAL FLUID

TOOL SAMPLE: 2% OIL, 93% WATER, 5% MUD

CHLORIDES: 71,000 ppm
 PH: 7.0
 RW: .16 @ 51 deg.

KNIGHTON OIL COMPANY, INC.
DST #1, SWOPE/PLEAS., 4253-4332
Start Test Date: 2017/04/02
Final Test Date: 2017/04/03

GOODMAN #1
Formation: DST #1, SWOPE/PLEAS., 4253-4332
Pool: WILDCAT
Job Number: T603

GOODMAN #1

