



DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
MA-STATE16DST3

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Company Wiepking-Fullerton Energy, LLC Lease & Well No. Ma-State No. 16
Elevation 5291 KB Formation Osage Effective Pay Ft. Ticket No. A097
Date 9-16-14 Sec. 24 Twp. 10S Range 56W County Lincoln State Colorado
Test Approved By Greg Smith Diamond Representative Andy Carreira

Formation Test No. 3 Interval Tested from 7,916 ft. to 7,936 ft. Total Depth 7,936 ft.
Packer Depth 7,911 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Packer Depth 7,916 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 7,897 ft. Recorder Number 5585 Cap. 5,000 psi.
Bottom Recorder Depth (Outside) 7,918 ft. Recorder Number 8471 Cap. 10,000 psi.
Below Straddle Recorder Depth ft. Recorder Number Cap. psi.

Drilling Contractor Murfin Drilling Company, Inc. - Rig 25 Drill Collar Length 555 ft. I.D. 2 1/4 in.
Mud Type Chemical Viscosity 75 Weight Pipe Length ft. I.D. in.
Weight 9.3 Water Loss 9.6 cc. Drill Pipe Length 7,326 ft. I.D. 3 1/2 in.
Chlorides 350 P.P.M. Test Tool Length 35 ft. Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number 9 Anchor Length 20 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 increasing. Off bottom of bucket in 4 mins. 10 ozs. water with 3/4 in. choke throughout. Gas to surface in 30 mins. Bottom of bucket blow back during shut-in.

2nd Open: Strong blow increasing. Off bottom of bucket in 5 mins. after bleed off. 7.5 ozs water with 3/4 in. choke in 10 mins. 5 ozs. water with 3/4 in. choke in 20 mins. Bottom of bucket blow back during shut-in.

Recovered 390 ft. of clean gassy oil = 5.549700 bbls. (Grind out: 10%-gas; 90%-oil) Gravity: 32 @ 60°
Recovered 33 ft. of oil cut gassy mud = .469590 bbls. (Grind out: 10%-gas; 30%-oil; 60%-mud)
Recovered 186 ft. of oil cut watery mud = 2.646780 bbls. (Grind out: 20%-oil; 35%-water; 45%-mud)
Recovered 645 ft. of muddy water = 4.011300 bbls. (Grind out: 95%-water; 5%-mud) Chlorides: 64,000 Ppm PH: 6.5 RW: .12 @ 68°
Recovered 1,254 ft. of TOTAL FLUID = 12.677370 bbls.

Recovered ft. of
Remarks Tool Sample Grind Out: 30%-oil; 70%-water

Sampler Grind Out: 1300 ml-gas; 2700 ml oil Pressure: 1050 psi

Time Set Packer(s) 1:45 A.M. Time Started off Bottom 5:45 A.M. Maximum Temperature 198°
Initial Hydrostatic Pressure.....(A) 4168 P.S.I.
Initial Flow Period.....Minutes 30 (B) 91 P.S.I. to (C) 327 P.S.I.
Initial Closed In Period.....Minutes 60 (D) 1643 P.S.I.
Final Flow Period.....Minutes 30 (E) 380 P.S.I. to (F) 476 P.S.I.
Final Closed In Period.....Minutes 120 (G) 1643 P.S.I.
Final Hydrostatic Pressure.....(H) 4117 P.S.I.

DIAMOND TESTING, LLC**TESTER : ANDY CARREIRA
CELL # 620-617-7202****General Information**

Company Name	WIEPKING-FULLERTON ENERGY LLC	Job Number	A097
Contact	JACK FINCHHAM	Representative	ANDY CARREIRA
Well Name	MA-STATE 16	Well Operator	WIEPKING-FULLERTON ENERGY LLC
Unique Well ID	DST 3 OSAGE 7916-7936	Report Date	2014/09/16
Surface Location	SEC 24-10S-56W LINCOLN CNTY, CO	Prepared By	ANDY CARREIRA
Well License Number			
Field	WILDCAT		
Well Type	Vertical		

Test Information

Test Type	CONVENTIONAL
Formation	DST 3 OSAGE 7916-7936
Well Fluid Type	01 Oil
Test Purpose	Initial Test

Start Test Date	2014/09/15	Start Test Time	22:10:00
Final Test Date	2014/09/16	Final Test Time	11:56:00

Gauge Name	5585
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Test Results

RECOVERY:	390' CGO 10% GAS, 90% OIL	GRAVITY: 32 @ 60 deg
	33' OCGM 10% GAS, 30% OIL, 60% MUD	
	186' OCWM 20% OIL, 35% WATER, 45% MUD	
	645' MW 95% WATER, 5% MUD	CHLORIDES: 64000
	1254' TOTAL FLUID	RW: .12 @ 68 deg
		PH: 6.5

SAMPLER: PRESSURE=1050 psi 1300 ML GAS, 2700 ML OIL

TOOL SAMPLE: 30% OIL, 70% WATER

WIEPKING-FULLERTON ENERGY LLC
DST 3 OSAGE 7916-7936
Start Test Date: 2014/09/15
Final Test Date: 2014/09/16

MA-STATE 16
Formation: DST 3 OSAGE 7916-7936
Pool: WILDCAT
Job Number: A097

MA-STATE 16

