

15-009-25349

7-16s-13w

DIAMOND TESTING

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Company Charter Energy, Inc. Lease & Well No. Cropp No. 1

Elevation 1921 Surveyed Formation Arbuckle Effective Pay -- Ft. Ticket No. 2606

Date 10-14-09 Sec. 7 Twp. 16S Range 13W County Barton State Kansas

Test Approved By James C. Musgrove Diamond Representative Roger D. Friedly

Formation Test No. 1 Interval Tested from 3,312 ft. to 3,362 ft. Total Depth 3,362 ft.

Packer Depth 3,307 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 3,312 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set -- ft.

Top Recorder Depth (Inside) 3,300 ft. Recorder Number 1150 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 3,359 ft. Recorder Number 3815 Cap. 5,700 psi

Below Straddle Recorder Depth -- ft. Recorder Number -- Cap. -- psi

Drilling Contractor Petromark Drilling, LLC - Rig 2 Drill Collar Length 123 ft. I.D. 2 1/4 in.

Mud Type Chemical Viscosity 41 Weight Pipe Length -- ft. I.D. -- in.

Weight 8.9 Water Loss 9.4 cc. Drill Pipe Length 3,163 ft. I.D. 3 1/2 in.

Chlorides 4,500 P.P.M. Test Tool Length 26 ft. Tool Size 3 1/2 - IF in.

Jars: Make Sterling Serial Number Not Run Anchor Length 18' perf. w/ 32' 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: Weak, 1/8 in., blow increasing to 1/2 in. No blow back during shut-in.

2nd Open: Weak, surface blow increasing to 6 1/2 ins. No blow back during shut-in.

Recovered 60 ft. of gas in pipe

Recovered 50 ft. of clean oil = .246000 bbls. (Gravity: 38.8 @ 60°)

Recovered 31 ft. of muddy oil = .152520 bbls. (Grind out: 46%-mud; 54%-oil)

Recovered 31 ft. of heavy oil cut mud = .152520 bbls. (Grind out: 42%-oil; 58%-mud)

Recovered 112 ft. of TOTAL FLUID = .551040 bbls.

Remarks Tool Sample Grind Out: 48%-mud; 52%-oil

Time Set Packer(s) 12:04 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 1:59 ~~P.M.~~ ^{A.M.} Maximum Temperature 94°

Initial Hydrostatic Pressure (A) 1606 P.S.I.

Initial Flow Period Minutes 10 (B) 6 P.S.I. to (C) 16 P.S.I.

Initial Closed In Period Minutes 30 (D) 1090 P.S.I.

Final Flow Period Minutes 45 (E) 17 P.S.I. to (F) 48 P.S.I.

Final Closed In Period Minutes 30 (G) 1084 P.S.I.

Final Hydrostatic Pressure (H) 1605 P.S.I.

Diamond Testing

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General information Report

General Information

Company Name CHARTER ENERGY, INC.

Contact	STEVE BAIZE	Job Number	
Well Name	CROPP #1	Representative	ROGER D. FRIEDLY
Unique Well ID	DST #1 ARBUCKLE 3,312' - 3,362'	Well Operator	CHARTER ENERGY, INC.
Surface Location	SEC 7-17S-13W BARTON COUNTY	Report Date	2009/10/14
Well License Number		Prepared By	ROGER D. FRIEDLY
Field	TRAPP		
Well Type	Vertical		

Test Type	CONVENTIONAL		
Formation	DST #1 ARBUCKLE 3,312' - 3,362'		
Well Fluid Type	01 Oil	Start Test Time	22:22:00
		Final Test Time	04:28:00
Start Test Date	2009/10/13		
Final Test Date	2009/10/14		
Gauge Name	1150		
Gauge Serial Number			

Test Results

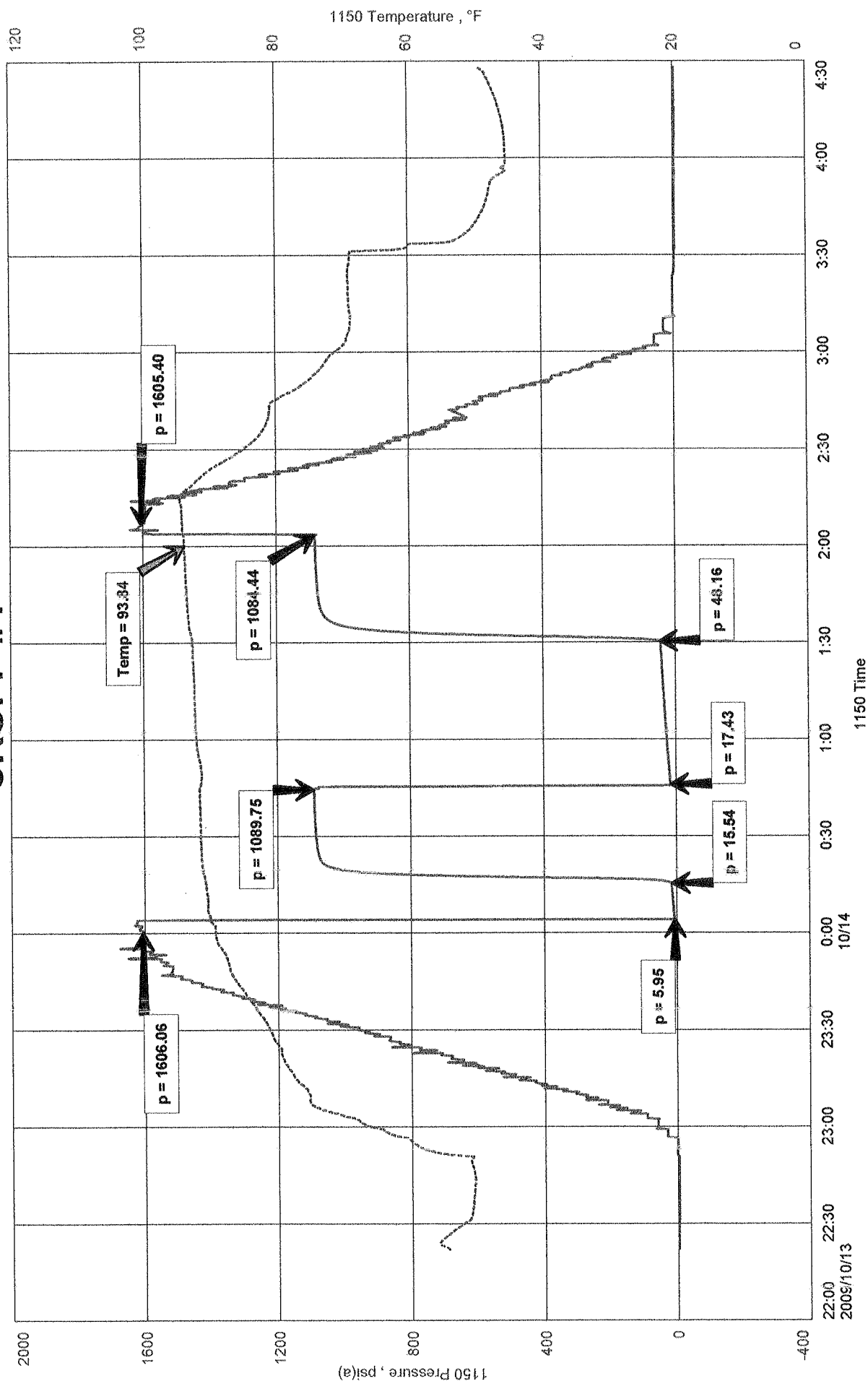
RECOVERED: 60' GAS IN PIPE
50' CLEAN OIL 38.8 GRAVITY @ 60 deg.
31' MO 46% MUD, 54% OIL
31' HOCM 42% OIL, 58% MUD
112' TOTAL FLUID

TOOL SAMPLE: 48% MUD, 52% OIL

CHARTER ENERGY, INC.
DST #1 ARBUCKLE 3,312' - 3,362'
Start Test Date: 2009/10/13
Final Test Date: 2009/10/14

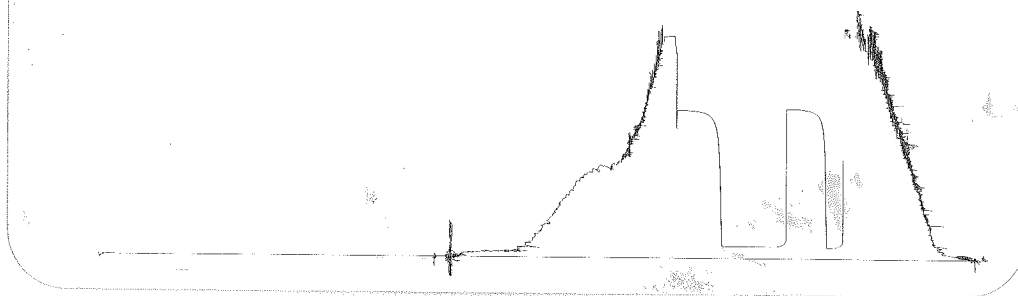
CROPP #1
Formation: DST #1 ARBUCKLE 3,312' - 3,362'

CROPP #1



DSY #1 outside 3815
ARB

3312-8362
LOC 3359



This is an actual photograph of recorder chart.

POINT	PRESSURE		Elec.
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1606	1606	PSI
(B) First Initial Flow Pressure.....	6	6	PSI
(C) First Final Flow Pressure	16	16	PSI
(D) Initial Closed-in Pressure	1090	1090	PSI
(E) Second Initial Flow Pressure	17	17	PSI
(F) Second Final Flow Pressure.....	48	48	PSI
(G) Final Closed-in Pressure.....	1084	1084	PSI
(H) Final Hydrostatic Mud	1605	1605	PSI