KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1059718

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 6039
Name: L. D. Drilling, Inc.
Address 1: 7 SW 26TH AVE
Address 2:
City: GREAT BEND State: KS Zip: 67530 + 6525
Contact Person: L. D. DAVIS
Phone: (620) 793-3051
CONTRACTOR: License # 33323
Name: Petromark Drilling, LLC
Wellsite Geologist: JOSH AUSTIN
Purchaser:

Designate Type of Completion:

- [x] New Well
- [ ] Re-Entry
- [ ] Workover

- [x] Oil
- [ ] WSW
- [ ] SWD
- [ ] SIOW
- [ ] Gas
- [ ] D&A
- [ ] ENHR
- [ ] SIGW
- [ ] OG
- [ ] GSW
- [ ] Temp. Abd.
- [ ] CM *(Coal Bed Methane)*
- [ ] Cathodic
- [ ] Other *(Core, Expl., etc.)*:

If Workover/Re-entry: Old Well Info as follows:

Operator:
Well Name:
Original Comp. Date: Original Total Depth:

- [ ] Deepening
- [ ] Re-perf.
- [ ] Conv. to ENHR
- [ ] Conv. to SWD
- [ ] Conv. to GSW
- [ ] Plug Back: Plug Back Total Depth
- [ ] Commingled Permit #:
- [ ] Dual Completion Permit #:
- [ ] SWD Permit #:
- [ ] ENHR Permit #:
- [ ] GSW Permit #:

05/04/2011	05/10/2011	06/08/2011
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-009-25554-00-00
Spot Description:
S2 - NW - SE - SW Sec. 19 Twp. 16 S. R. 13 [ ] East [x] West
800 Feet from [ ] North / [x] South Line of Section
1650 Feet from [ ] East / [x] West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- [ ] NE
- [ ] NW
- [ ] SE
- [x] SW

County: Barton
Lease Name: SALVINO Well #: 1-19
Field Name: TRAPP
Producing Formation: ARBUCKLE
Elevation: Ground: 1951 Kelly Bushing: 1954
Total Depth: 3520 Plug Back Total Depth: 3494
Amount of Surface Pipe Set and Cemented at: 474 Feet
Multiple Stage Cementing Collar Used? [ ] Yes [x] No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from:
feet depth to: w/ sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: 5000 ppm Fluid volume: 0 bbls
Dewatering method used: Evaporated

Location of fluid disposal if hauled offsite:

Operator Name:
Lease Name: License #:
Quarter Sec. Twp. S. R. [ ] East [ ] West
County: Permit #:

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- [ ] **Letter of Confidentiality Received**
  Date:
- [ ] **Confidential Release Date:**
- [x] **Wireline Log Received**
- [x] **Geologist Report Received**
- [ ] **UIC Distribution**

ALT [x] **I** [ ] **II** [ ] **III** **Approved by:** Deanna Garrisor **Date:** 08/18/2011

Side Two

1059718

Operator Name: L. D. Drilling, Inc. Lease Name: SALVINO Well #: 1-19

Sec. 19 Twp. 16 S. R. 13 ☐ East ☑ West County: Barton

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☑ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

Electric Log Submitted Electronically ☑ Yes ☐ No
(If no, Submit Copy)

List All E. Logs Run:

DUAL COMPENSATED POROSITY LOG
DUAL INDUCTION LOG
SONIC CEMENT BOND LOG

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Attached	Attached	Attached

CASING RECORD ☑ New ☐ Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
SURFACE	12.25	8.625	24	474	60/40 POZMIX	350	3%CC,2%Gel,1/4#Flowsea
PRODUCTION	7.875	5.5	14	3520	60/40 POZMIX	180	

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:
☐ Perforate
☐ Protect Casing
☐ Plug Back TD
☐ Plug Off Zone

Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
-			
-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	Depth
4	3413 - 3417'	350 gal 20% NE Acid	

TUBING RECORD: Size: Set At: Packer At: Liner Run: ☐ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR. Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)*

PRODUCTION INTERVAL:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	SALVINO 1-19
Doc ID	1059718

Tops

Name	Top	Datum
ANHYDRITE	909	+1045
BASE ANHYDRITE	939	+1015
TOPEKA	2852	-898
HEEBNER	3087	-1133
TORONTO	3103	-1149
DOUGLAS	3117	-1163
BROWN LIME	3162	-1208
LANSING	3172	-1218
BASE KANSAS CITY	3381	-1427
ARBUCKLE	3388	-1434

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

Company L. D. Drilling, Inc. Lease & Well No. Salvino No. 1-19

Elevation 1949 KB Formation Arbuckle Effective Pay -- Ft. Ticket No. 2781

Date 5-8-11 Sec. 19 Twp. 16S Range 13W County Barton State Kansas

Test Approved By Josh R. Austin Diamond Representative Roger D. Friedly

Formation Test No. 1 Interval Tested from 3,386 ft. to 3,404 ft. Total Depth 3,404 ft.

Packer Depth 3,381 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 3,386 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,374 ft. Recorder Number 1150 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 3,401 ft. Recorder Number 3851 Cap. 5,700 psi

Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor Petromark Drilling, LLC - Rig 2 Drill Collar Length 121 ft. I.D. 2 1/4 in.

Mud Type Chemical Viscosity 54 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.6 Water Loss 10.8 cc. Drill Pipe Length 3,239 ft. I.D. 3 1/2 in.

Chlorides 5,800 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 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: Weak, surface blow. Died in 13 mins. No blow back during shut-in.
2nd Open: No blow. No blow back during shut-in.

Recovered ½ ft. of clean oil = .002460 bbls. (Gravity: 36.8 @ 60°)

Recovered ½ ft. of heavy oil cut mud = .002460 bbls. (Grind out: 42%-oil; 58%-mud)

Recovered 1 ft. of TOTAL FLUID = .004920 bbls.

Recovered ft. of

Recovered ft. of

Remarks Tool Sample Grind Out: 46%-mud; 54%-oil

Time Set Packer(s) 9:20 ~~A~~M. P.M. Time Started Off Bottom 11:10 ~~A~~M. P.M. Maximum Temperature 102°

Initial Hydrostatic Pressure ..... (A) 1716 P.S.I.

Initial Flow Period ..... Minutes 20 (B) 5 P.S.I. to (C) 7 P.S.I.

Initial Closed In Period ..... Minutes 30 (D) 275 P.S.I.

Final Flow Period ..... Minutes 30 (E) 7 P.S.I. to (F) 7 P.S.I.

Final Closed In Period ..... Minutes 30 (G) 108 P.S.I.

Final Hydrostatic Pressure ..... (H) 1712 P.S.I.

Diamond Testing

General information Report

General Information

Company Name L.D. DRILLING, INC.

Contact	L.D. DAVIS		
Well Name	SALVINO #1-19	Job Number	
Unique Well ID	DST #1 ARBUCKLE 3,386' - 3,404'	Representative	ROGER D. FRIEDLY
Surface Location	SEC 19-16S-13W BATTON COUNTY, KS	Well Operator	L.D. DRILLING, INC.
Well License Number		Report Date	2011/05/09
Field	WILDCAT	Prepared By	ROGER D. FRIEDLY
Well Type	Vertical		

Test Type	CONVENTIONAL DRILL-STEM TEST		
Formation	DST #1 ARBUCKLE 3,386' - 3,404'		
Well Fluid Type	01 Oil	Start Test Time	19:35:00
		Final Test Time	01:15:00
Start Test Date	2011/05/08		
Final Test Date	2011/05/09		
Gauge Name	1150		
Gauge Serial Number			

Test Results

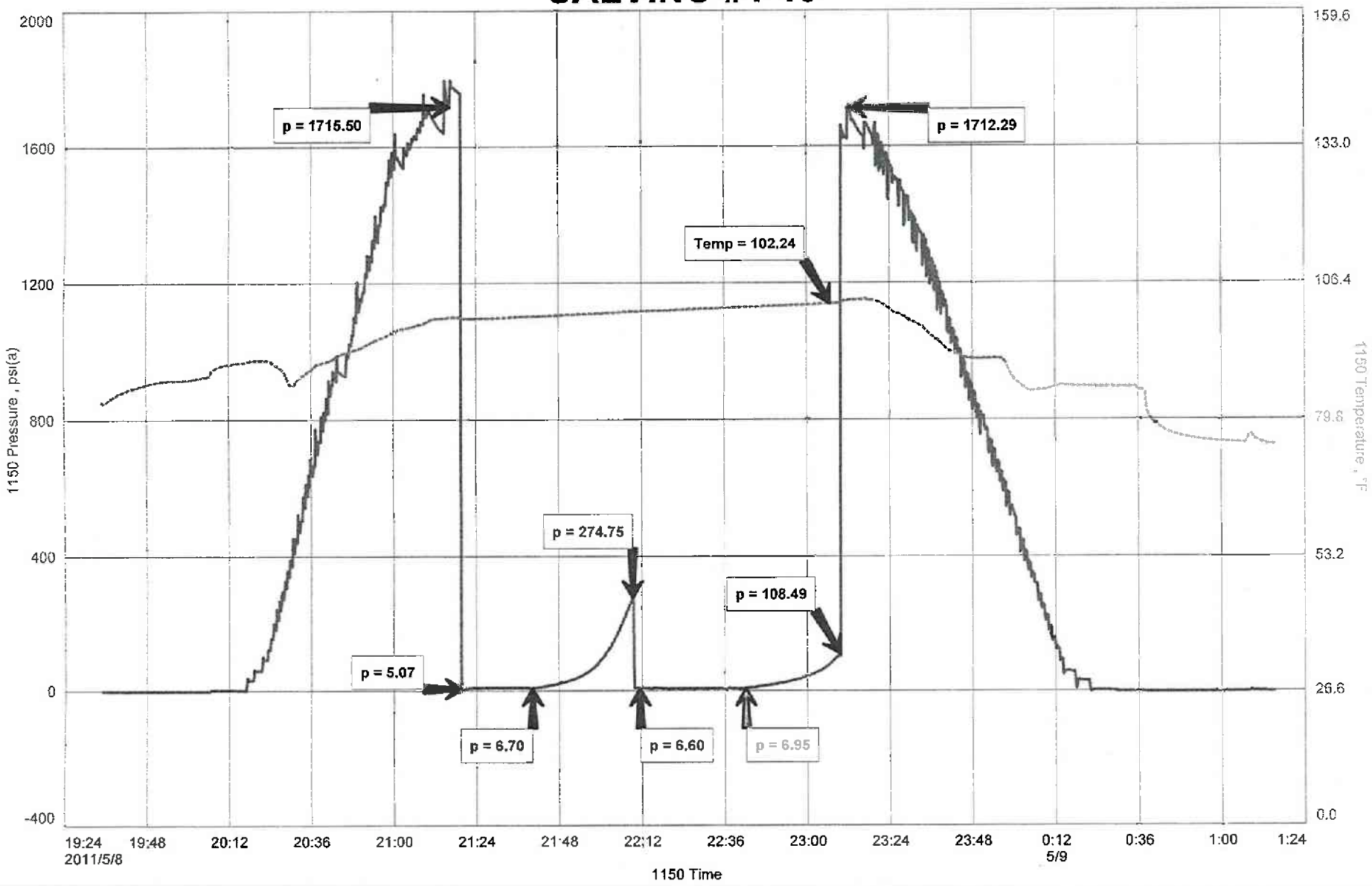
RECOVERED: 1/2' CLEAN OIL 36.8 GRAVITY @ 60 deg
1/2' HOCM 42% OIL, 58% MUD
1' TOTAL FLUID

TOOL SAMPLE: 54% OIL, 46% MUD

L.D. DRILLING, INC.
DST #1 ARBUCKLE 3,386' - 3,404'
Start Test Date: 2011/05/08
Final Test Date: 2011/05/09

SALVINO #1-19
Formation: DST #1 ARBUCKLE 3,386' - 3,404
Pool: WILDCAT

SALVINO #1-19



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

Company L. D. Drilling, Inc. Lease & Well No. Salvino No. 1-19

Elevation 1949 KB Formation Arbuckle Effective Pay -- Ft. Ticket No. 2782

Date 5-9-11 Sec. 19 Twp. 16S Range 13W County Barton State Kansas

Test Approved By Josh R. Austin Diamond Representative Roger D. Friedly

Formation Test No. 2 Interval Tested from 3,386 ft. to 3,406 ft. Total Depth 3,406 ft.

Packer Depth 3,381 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 3,386 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,374 ft. Recorder Number 1150 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 3,403 ft. Recorder Number 3851 Cap. 5,700 psi

Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor Petromark Drilling, LLC - Rig 2 Drill Collar Length 121 ft. I.D. 2 1/4 in.

Mud Type Chemical Viscosity 51 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.7 Water Loss 11.2 cc. Drill Pipe Length 3,239 ft. I.D. 3 1/2 in.

Chlorides 7,600 P.P.M. Test Tool Length 26 ft. Tool Size 3 1/2 - IF in.

Jars: Make Sterling Serial Number Not Run 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: Weak, 1/8 in., blow. Died in 19 mins. No blow back during shut-in.
2nd Open: No blow. No blow back during shut-in.

Recovered 1 ft. of oil cut mud with good, free oil on top = .004920 bbls. (Grind out: 32%-oil; 68%-mud)

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks Tool Sample Grind Out: 38%-oil; 62%-mud

Time Set Packer(s) 9:16 ~~A.M.~~ P.M. Time Started Off Bottom 11:16 ~~A.M.~~ P.M. Maximum Temperature 99°

Initial Hydrostatic Pressure ..... (A) 1649 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 6 P.S.I. to (C) 9 P.S.I.

Initial Closed In Period ..... Minutes 30 (D) 97 P.S.I.

Final Flow Period ..... Minutes 30 (E) 7 P.S.I. to (F) 9 P.S.I.

Final Closed In Period ..... Minutes 30 (G) 69 P.S.I.

Final Hydrostatic Pressure ..... (H) 1647 P.S.I.

Diamond Testing

General information Report

General Information

Company Name L.D. DRILLING, INC.

Contact	L.D. DAVIS		
Well Name	SALVINO #1-19	Job Number	
Unique Well ID	DST #2 ARBUCKLE 3,386' - 3,406'	Representative	ROGER D. FRIEDLY
Surface Location	SEC 19-16S-13W BARTON COUNTY, KC	Well Operator	L.D. DRILLING, INC.
Well License Number		Report Date	2011/05/09
Field	WILDCAT	Prepared By	ROGER D. FRIEDLY
Well Type	Vertical		

Test Type	CONVENTIONAL DRILL-STEM TEST		
Formation	DST #2 ARBUCKLE 3,386' - 3,406'		
Well Fluid Type	01 Oil	Start Test Time	07:35:00
		Final Test Time	12:43:00
Start Test Date	2011/05/09		
Final Test Date	2011/05/09		
Gauge Name	11150		
Gauge Serial Number			

Test Results

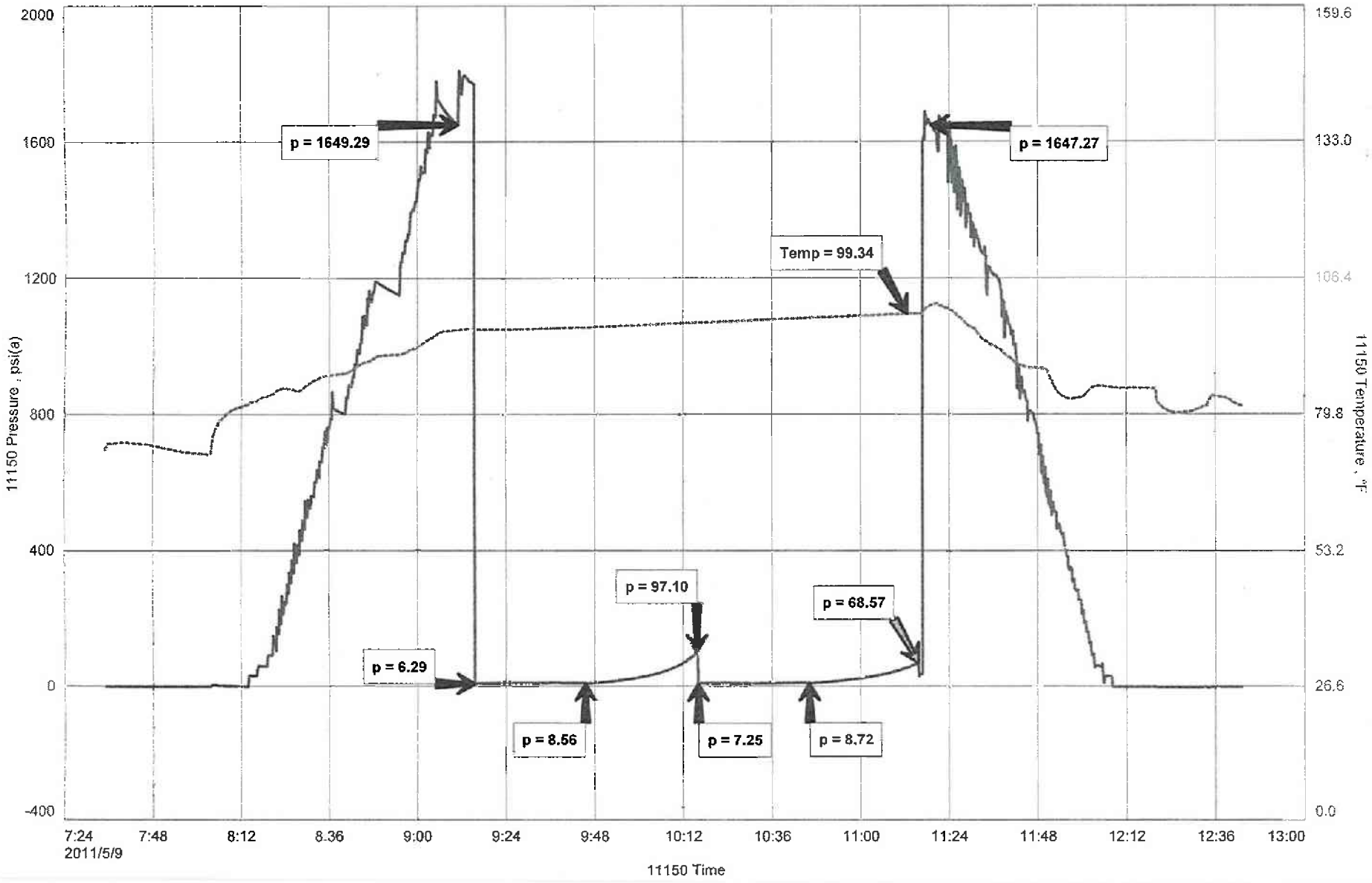
RECOVERED: 1' OCM 32% OIL, 68% MUD - GOOD FREE OIL ON TOP

TOOL SAMPLE: 38% OIL, 62% MUD

L.D. DRILLING, INC.
DST #2 ARBUCKLE 3,386' - 3,406'
Start Test Date: 2011/05/09
Final Test Date: 2011/05/09

SALVINO #1-19
Formation: DST #2 ARBUCKLE 3,386' - 3,406'
Pool: WILDCAT

SALVINO #1-19



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

Company L. D. Drilling, Inc. Lease & Well No. Salvino No. 1-19

Elevation 1949 KB Formation Arbuckle Effective Pay -- Ft. Ticket No. 2783

Date 5-9-11 Sec. 19 Twp. 16S Range 13W County Barton State Kansas

Test Approved By Josh R. Austin Diamond Representative Roger D. Friedly

Formation Test No. 3 Interval Tested from 3,382 ft. to 3,410 ft. Total Depth 3,410 ft.

Packer Depth 3,377 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 3,382 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,370 ft. Recorder Number 1150 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 3,407 ft. Recorder Number 3851 Cap. 5,700 psi

Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor Petromark Drilling, LLC - Rig 2 Drill Collar Length 121 ft. I.D. 2 1/4 in.

Mud Type Chemical Viscosity 54 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.6 Water Loss 11.2 cc. Drill Pipe Length 3,235 ft. I.D. 3 1/2 in.

Chlorides 7,600 P.P.M. Test Tool Length 26 ft. Tool Size 3 1/2 - IF in.

Jars: Make Sterling Serial Number Not Run Anchor Length 28 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: Weak, surface blow. Died in 7 mins. No blow back during shut-in.
2nd Open: No blow. No blow back during shut-in.

Recovered 2 ft. of slightly oil cut mud = .009840 bbls. (Grind cut: 12%-oil; 88%-mud)

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks Tool Sample Grind Out: 24%-oil; 76%-mud

Time Set Packer(s) 7:09 ~~A~~P.M. Time Started Off Bottom 8:29 ~~A~~P.M. Maximum Temperature 97°

Initial Hydrostatic Pressure ..... (A) 1650 P.S.I.

Initial Flow Period ..... Minutes 20 (B) 6 P.S.I. to (C) 8 P.S.I.

Initial Closed In Period ..... Minutes 20 (D) 484 P.S.I.

Final Flow Period ..... Minutes 20 (E) 8 P.S.I. to (F) 8 P.S.I.

Final Closed In Period ..... Minutes 20 (G) 423 P.S.I.

Final Hydrostatic Pressure ..... (H) 1645 P.S.I.

Diamond Testing

General information Report

General Information

Company Name L.D. DRILLING, INC.

Contact	L.D. DAVIS		
Well Name	SALVINO #1-19	Job Number	
Unique Well ID	DST #3 ARBUCKLE 3,382' - 3,410'	Representative	ROGER D. FRIEDLY
Surface Location	SEC 19-16S-13W BARTON COUNTY, KS	Well Operator	L.D. DRILLING, INC.
Well License Number		Report Date	2011/05/09
Field	WILDCAT	Prepared By	ROGER D. FRIEDLY
Well Type	Vertical		

Test Type	CONVENTIONAL DRILL-STEM TEST		
Formation	DST #3 ARBUCKLE 3,382' - 3,410'		
Well Fluid Type	01 Oil	Start Test Time	17:35:00
		Final Test Time	22:00:00
Start Test Date	2011/05/09		
Final Test Date	2011/05/09		
Gauge Name	1150		
Gauge Serial Number			

Test Results

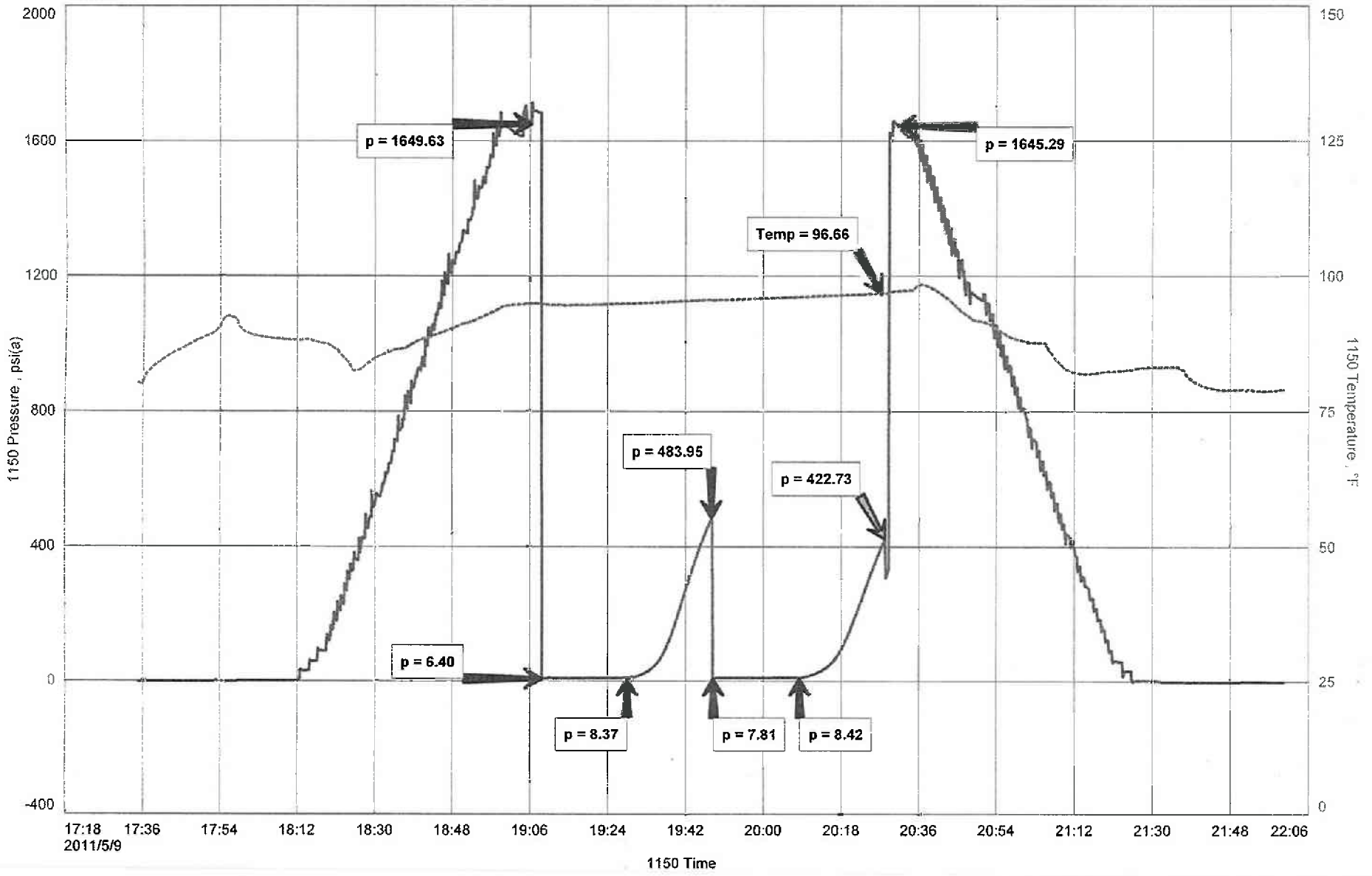
RECOVERED: 2' SLTOCM 12% OIL, 88% MUD

TOOL SAMPLE: 24% OIL, 76% MUD

L.D. DRILLING, INC.
DST #3 ARBUCKLE 3,382' - 3,410'
Start Test Date: 2011/05/09
Final Test Date: 2011/05/09

SALVINO #1-19
Formation: DST #3 ARBUCKLE 3,382' - 3,410'
Pool: WILDCAT

SALVINO #1-19



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

Company L. D. Drilling, Inc. Lease & Well No. Salvino No. 1-19

Elevation 1949 KB Formation Arbuckle Effective Pay -- Ft. Ticket No. 2784

Date 5-10-11 Sec. 19 Twp. 16S Range 13W County Barton State Kansas

Test Approved By Josh R. Austin Diamond Representative Roger D. Friedly

Formation Test No. 4 Interval Tested from 3,382 ft. to 3,422 ft. Total Depth 3,422 ft.

Packer Depth 3,377 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 3,382 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,370 ft. Recorder Number 1150 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 3,419 ft. Recorder Number 3851 Cap. 5,700 psi

Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor Petromark Drilling, LLC - Rig 2 Drill Collar Length 121 ft. I.D. 2 1/4 in.

Mud Type Chemical Viscosity 47 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.4 Water Loss 10.4 cc. Drill Pipe Length 3,235 ft. I.D. 3 1/2 in.

Chlorides 5,000 P.P.M. Test Tool Length 26 ft. Tool Size 3 1/2 - IF in.

Jars: Make Sterling Serial Number Not Run Anchor Length 40 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: Weak, ½ in., blow increasing to 7 ins. No blow back during shut-in.
2nd Open: Weak, surface blow increasing to 4½ ins. No blow back during shut-in.

Recovered 60 ft. of gas in pipe

Recovered 30 ft. of clean oil = .426900 bbls. (Gravity: 34.2 @ 60°)

Recovered 81 ft. of gas & oil cut watery mud = .584720 bbls. (Grind out: 2%-gas; 15%-oil; 31%-water; 52%-mud)

Recovered 60 ft. of gas & oil cut watery mud = .295200 bbls. (Grind out: 4%-gas; 4%-oil; 38%-water; 54%-mud)

Recovered 171 ft. of TOTAL FLUID = 1.306820 bbls. Chlorides: 9,500 Ppm PH: 7.0 RW: .52 @ 76°

Remarks Tool Sample Grind Out: 8%-oil; 34%-water; 58%-mud

Time Set Packer(s) 6:32 A.M. P.M. Time Started Off Bottom 8:47 A.M. P.M. Maximum Temperature 101°

Initial Hydrostatic Pressure ..... (A) 1660 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 10 P.S.I. to (C) 63 P.S.I.

Initial Closed In Period ..... Minutes 30 (D) 964 P.S.I.

Final Flow Period ..... Minutes 30 (E) 67 P.S.I. to (F) 81 P.S.I.

Final Closed In Period ..... Minutes 45 (G) 967 P.S.I.

Final Hydrostatic Pressure ..... (H) 1654 P.S.I.

Diamond Testing

General information Report

General Information

Company Name L.D. DRILLING, INC.

Contact	L.D. DAVIS		
Well Name	SALVINO #1-19	Job Number	
Unique Well ID	DST #4 ARBUCKLE 3,382' - 3,422'	Representative	ROGER D. FRIEDLY
Surface Location	SEC 19-16S-13W BARTON COUNTY, KS	Well Operator	L.D. DRILLING, INC.
Well License Number		Report Date	2011/05/10
Field	WILDCAT	Prepared By	ROGER D. FRIEDLY
Well Type	Vertical		

Test Type	CONVENTIONAL DRILL-STEM TEST		
Formation	DST #4 ARBUCKLE 3,382' - 3,422'		
Well Fluid Type	01 Oil	Start Test Time	04:20:00
		Final Test Time	10:23:00
Start Test Date	2011/05/10		
Final Test Date	2010/05/10		
Gauge Name	1150		
Gauge Serial Number			

Test Results

RECOVERED: 60' GAS IN PIPE
30' CLEAN OIL 34.2 GRAVITY @ 60 deg.
81' G&OCWM 2% GAS, 15% OIL, 31% WTR, 52% MUD
60' G&OCWM 4% GAS, 4% OIL, 38% WTR, 54% MUD
171' TOTAL FLUID

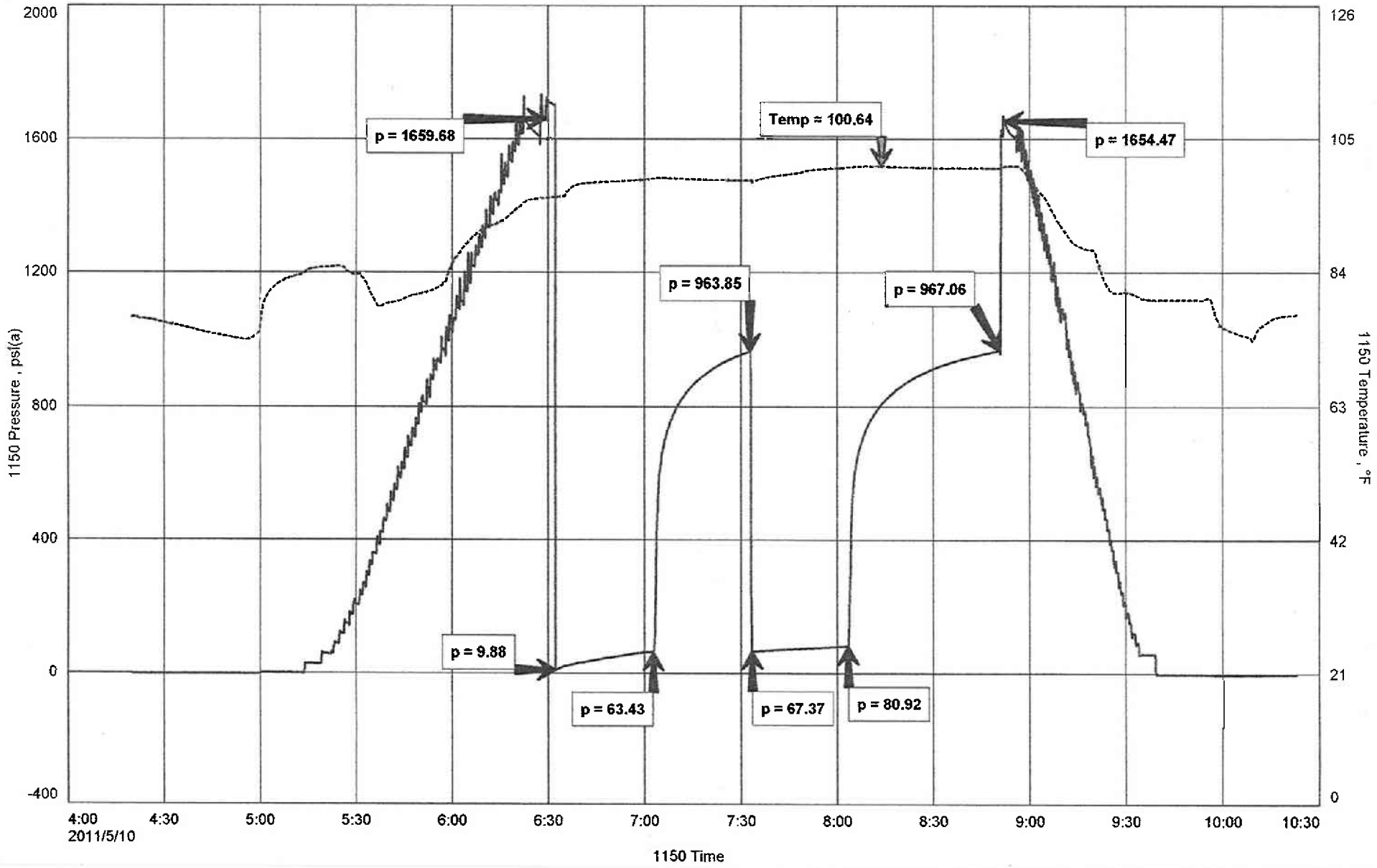
TOOL SAMPLE: 8% OIL, 34% WTR, 58% MUD

CHLORIDES: 9,500 Ppm
PH 7.0
RW: .52 @ 76 deg

L.D. DRILLING, INC.
DST #4 ARBUCKLE 3,382' - 3,422'
Start Test Date: 2011/05/10
Final Test Date: 2010/05/10

SALVINO #1-19
Formation: DST #4 ARBUCKLE 3,382' - 3,422'
Pool: WILDCAT

SALVINO #1-19



BASIC ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET

1718 03973 A

DATE TICKET NO.

DATE OF JOB 5-5-11 DISTRICT PRATT KS	NEW WELL ☑ OLD WELL ☐ PROD ☐ INJ ☐ WDW ☐ CUSTOMER ORDER NO.:
CUSTOMER L. D. Drilling	LEASE SALVINO 1-19 WELL NO.
ADDRESS	COUNTY BARTON STATE KS
CITY STATE	SERVICE CREW Sullivan, Nelson, Fenwick
AUTHORIZED BY	JOB TYPE: CNW 8 5/8 Surface

EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS
3328-20920	35 mile				
19826-19860	35 mile				
32900					

	DATE	AM/PM	TIME
TRUCK CALLED	5-5-11	AM	2300
ARRIVED AT JOB		AM	0230
START OPERATION		AM	505
FINISH OPERATION		AM	540
RELEASED		AM	615
MILES FROM STATION TO WELL			70

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).
The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: Jim Nickle
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	$ AMOUNT
CP 103	60/40 poz cmt	SK	350		4,200 00
CC 102	Calflake	lb	88		325 60
CC 109	Calcium chloride	lb	903		948 15
CF 153	Wooden Plug 8 5/8	EA	1		160 00
E 100	Pickup mileage	mi	20		292 50
E 101	Heavy Equip mileage	mi	140		980 00
E 113	Bulk Delivery	TM	1054		1,685 00
CE 200	Depth charge	EA	1		1,000 00
CE 240	Blending + mixing	SK	350		490 00
CE 504	plug container Rental	EA	1		250 00
S 003	Service Supervisor	EA	1		175 00

SUB TOTAL

CHEMICAL / ACID DATA:

SERVICE & EQUIPMENT	%TAX ON $	
MATERIALS	%TAX ON $	

Waste fee

TOTAL DLS 8,094 12

SERVICE REPRESENTATIVE Robert Sullivan

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: Jim Nickle
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

BASIC energy services, L.P.

TREATMENT REPORT

Customer L.D. Drilling	Lease No.			Date 5-5-11	
Lease SALVINO	Well # 1-19				
Field Order # 3913	Station PRATT KS	Casing 8 5/8	Depth 479'	County BARTON	State KS
Type Job CNW 8 5/8 Surface		Formation		Legal Description 19-16-13	

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size 8 5/8	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
Depth 479	Depth	From	To	Pre Pad	Max		5 Min.
Volume 79	Volume	From	To	Pad	Min		10 Min.
Max Press 300	Max Press	From	To	Frac	Avg		15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth 1334	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative | Station Manager DAVE SCOTT | Treater Robert Gilleon

Service Units	37900	33208	20970	19826	19860						
Driver Names	Gallegos	Melson		Fenwick							

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
0230	1m				ON LOC. Safety meeting
					Rig up 11 jts 8 5/8 Surface csg
0445					CASING ON BOTTOM
0455					Hook Rig To circ.
0505	200		3	4	St Spacer
				5.5	Mix cmt 350 sk 60/40 poz cmt
			75		Shut down cmt mix'd
					Release Plug
				4	St Disp
0540			29		plug down
					circ 9 BBL cmt To pit
					JOB Complete
					Thank you

BASIC ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET

1718 03901 A

DATE TICKET NO.

DATE OF JOB 5-11-11 DISTRICT KANSAS	NEW WELL ☒ OLD WELL ☐ PROD ☐ INJ ☐ WDW ☐ CUSTOMER ORDER NO.:
CUSTOMER L.O. Drilling INC.	LEASE Saluino WELL NO. 5-19
ADDRESS	COUNTY Barton 19-16-13 STATE Kansas.
CITY STATE	SERVICE CREW A. Werth, K. Lesley, Jarod. CNW
AUTHORIZED BY	JOB TYPE: 5½" L.S.

EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS
28443 P.U	1½				
27463 PT	1½				
19831-21010	1½				

	DATE	AM/PM	TIME
TRUCK CALLED	5-10-11	AM PM	800
ARRIVED AT JOB	5-10-11	AM PM	1030
START OPERATION	5-11-11	AM PM	330
FINISH OPERATION	5-11-11	AM PM	500
RELEASED	5-11-11	AM PM	545
MILES FROM STATION TO WELL	70-miles		

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).
The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	$ AMOUNT
CP103	60/40 Poz	SK	180		$ 2160.00
CC102	Cell Flake	lb	55		$ 166.50
CC106	Salt Fine	lb	1802		$ 801.00
CC112	Cement Friction Reducer	lb	117		$ 702.00
CC201	Gilsonite	lb	900		$ 603.00
CF103	Top Rubber cement Plug 5½"	EA	1		$ 105.00
CF251	Guide Shoe Reg. 5½" Blue	EA	1		$ 250.00
CF1451	Flapper Type Insert Float Valve 5½"	EA	1		$ 215.00
CF1651	Turbolizer 5½" Blue	EA	5		$ 550.00
C304	Clamax ECL Sub	gal	1		$ 35.00
CC151	mud Flush	gal	500		$ 430.00
E100	Unit mileage Charge Pickup	mi	70		$ 297.50
E101	Heavy Equip mileage	mi	140		$ 980.00
E113	Bulk Delivery Charge	TM	543		$ 868.00
CE240	Blending & mixing Service chg	SK	180		$ 252.00
CE504	Depth Charge 3001-4000'	4hr	1		$ 2160.00
CE504	Plug Container Utilization chg	Job	1		$ 250.00
S003	Service Supervisor first 8hrs on loc	EA	1		$ 125.00
CC105	C-41P	lb	39		$ 156.00
				SUB TOTAL	

CHEMICAL / ACID DATA:

SERVICE & EQUIPMENT	%TAX ON $	
MATERIALS	%TAX ON $	
	TOTAL	$ 8590.12

DLS

SERVICE REPRESENTATIVE Allen Werth

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: Jim Mickle
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

CLOUD LITHO - Abilene, TX

BASIC energy services, L.P.

TREATMENT REPORT

Customer L.D. Drilling INC	Lease No.		Date 5-11-11
Lease Salvino	Well # 1-19		
Field Order # 03901A	Station Pratt KS	Casing 5 1/2	Depth
County Barton	State KS		
Type Job 5 1/2" Long String CNW	Formation LKC 3520'	Legal Description 11-16-13	

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size 5 1/2	Tubing Size	Shots/Ft		Acid 20 BBLs KCL 2%	RATE	PRESS	ISIP
Depth Set 3520	Depth	From	To	Pre Pad 12 BBLs mud Flush	Max		5 Min.
Volume 85.6	Volume	From	To	Pad 150 SKs 60/40 Poz @ 13.4#	Min		10 Min.
Max Press 1000	Max Press	From	To	Frac 30 SKs 60/40 Poz Plug Rat hole	Avg		15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth 1510'	Packer Depth	From	To	Flush W.P N20	Gas Volume		Total Load

Customer Representative Jim | Station Manager Scott | Treater Allen

Service Units	27845	27463 P.T.	19831	21010						
Driver Names	Werth	Keeven Lesley	JArod	Baumgartner						

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
					Petro Mark II
					on Loc. Discuss Safety Setup Plan Job
100 AM.					out of Hole Lay down Kelly.
208					Rig up to Run 5 1/2 Casing. 14#
					Shoe Joint 10' w/Reg Shoe &
					Insert Fill in collar. cent 1-3-5-7-9
330					Pipe @ 3520 Hookup & circ. w/Rig
415	300#		20	5	Pump 20 BBL 2% KCL
			12	5	Pump 12 BBLs mud Flush
				5	mix & Pump 150 SKs 60/40 poz @ 14.4
			38		Finish mix Washout Pump & Line
430				6	Drop Top Rubber Plug & Start Disp
	500#			5 1/2	Caught Lift PSI w/ 60 BBLs out
445	1000#		85.6	4	Plug down
					Release PSI 0#
					Plug Rathole w/ 30 SKs 60/40
					Washup & Rackup Equip.
545					Job complete
					Thanks
					Allen, Keeven
					& Arod

Taylor Printing, Inc. 620-672-3656

James C. Musgrove
Petroleum Geologist
Office (620) 586-4250 — 212 Main St. • P.O. Box 215 • Claflin, KS 67525 — Home (620) 587-3461

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY L. D. Drilling, Inc.
LEASE Salvino
FIELD Trapp
LOCATION S2-NW-SE-SW (800' FSL & 1650' FWL)
SEC 19 TWSP 16s RGE 13w
COUNTY Barton STATE Kansas

CONTRACTOR Petromark Drilling (rig #2)
SPUD 5-04-2011 COMP 5-10-2011
RTD 3520 LTD 3523
MUD UP 2599 TYPE MUD Chemical Displacement

ELEVATIONS
KB 1954
DF
GL 1949
Measurements Are All From KB

CASING
SURFACE 8 5/8" @ 474
PRODUCTION

ELECTRICAL SURVEYS
By Log-Tech
CNL/CDL DIL

SAMPLES SAVED FROM 2800 TO 3520
DRILLING TIME KEPT FROM 2800 TO 3520 RTD
SAMPLES EXAMINED FROM 2800 TO 3520
GEOLOGICAL SUPERVISION FROM 3100 TO 3520
GEOLOGIST ON WELL Josh Austin

FORMATION TOPS	LOG		SAMPLES
anhydrite	[redacted]		909+1045
Base anhydrite	939	+1015	
Topeka	2852	-898	
Heebner	3087	-1133	
Toronto	3103	-1149	
Douglas	3117	-1163	
Brown lime	3162	-1208	
Lansing	3172	-1218	
Base Kansas City	3381	-1427	
Arbuckle	3388	-1434	
RTD	3450	-1496	
LTD	3453	-1499	

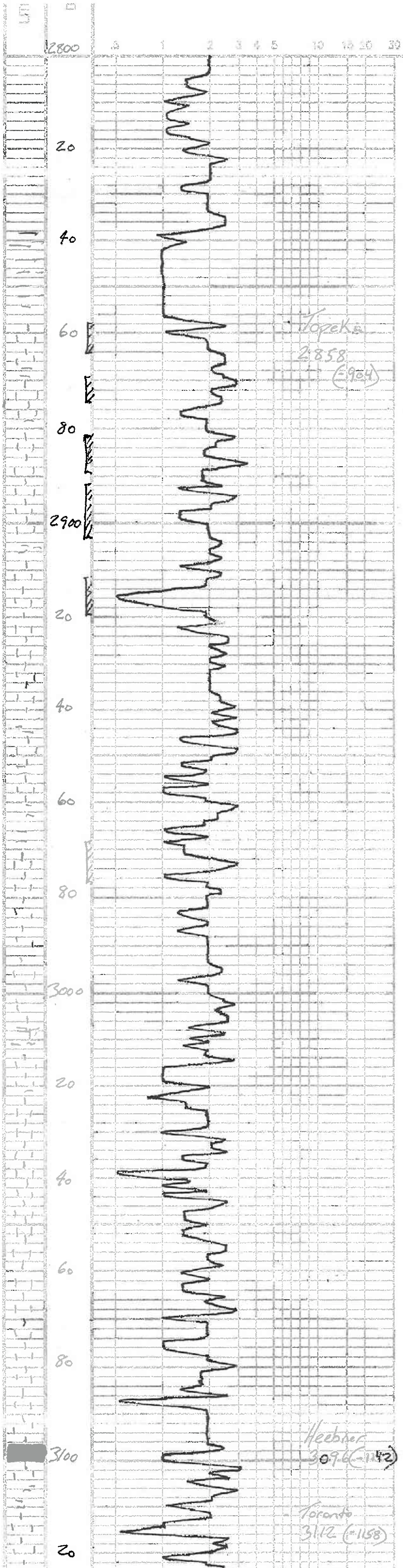
REMARKS
5½" production Casing was set and cemented.
Respectfully Submitted,
Josh Austin
Petroleum Geologist

LEGEND
Dolomite
Chert
Ool. Lime
Limestone
Shale
Sandstone
Soil
Anhydrite

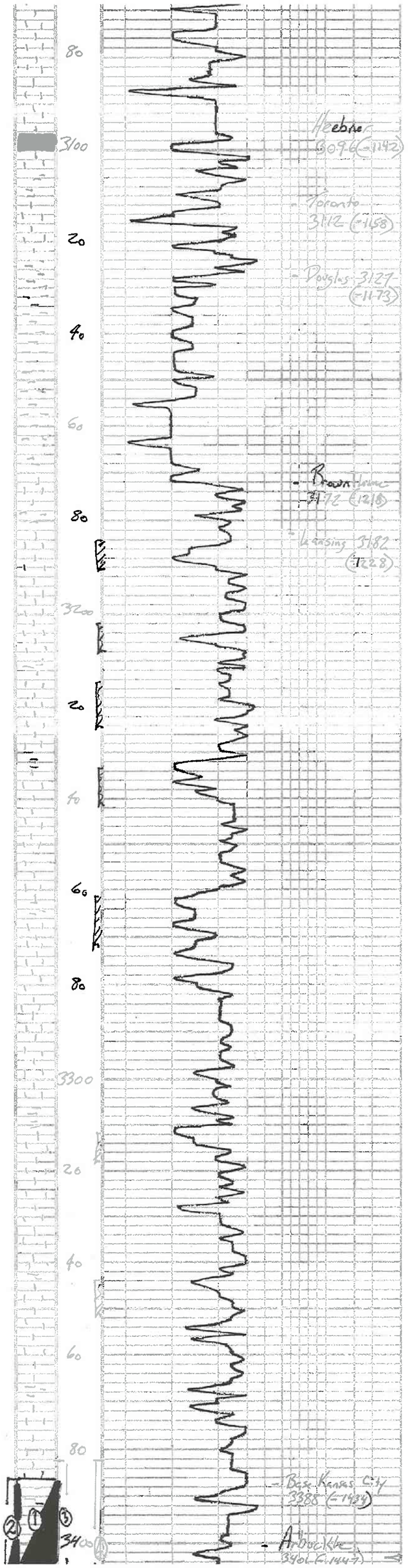
SAMPLE DESCRIPTIONS

REMARKS

DRILLING TIME (Logarithmic Scale)
1 2 3 4 5 10 20 30 40
DEPTH 2800
LITHOLOGY



Depth	SAMPLE DESCRIPTIONS	REMARKS
2840s	gry - gryish green shale, Silty in part, Mica	
2860s	LS: Tan f-med xl chlky in part foss dense N/S	
2880s	LS: gry - buff fxl Sl. chlky (w/) dry in part No vis ø, tr gry bony ∆	
2910s	LS: crm - Tan - lt gry fxl chlky, gran in part / Sandy poorly devel ø N/S	
2930s	LS: crm fxl chlky dense	
2950s	tr blk carb shale	
2970s	gry - mar sh.	
2980s	LS: gry - Tan foss/ool dense Poor Vis ø N/S	
3010s	blk Carb sh.	KB 1954
3030s	LS: gry - crm highly foss in part chlky fxl Poor vis ø N/S	
3050s	LS: Tan - crm fxl chlky Sl. foss few scatt ø N/S	
3070s	LS: sa Sl. dolomitic in part N/S	
3080s	LS: Tan - crm fxl dense Sl. chlky few foss + gry bony ∆	
3100	blk carb shale	
3110	gry - gryish green shale	
3120	LS: lt gry - crm fxl chlky dse	



Ls- Tan- crm fxl dense
Sli- chlky few foss
+ grn bony A

tr- blk carb- shale

grn- grnish green shale

Ls- ltgry- crm fxl chlky dse

Shale- grey- grnish green- green
- mar- soft silky in part
few mica pes

Shale aa

Trace Sand- grn v.fg sub rounded
sub X friable fr. ICg- N/S

Ls- Tan- brown fxl dense dry

Ls- Tan highly calc scatt
chlky in part dense in part N/S

Ls- Tan- crm foss/ool chlky
??? fr brn Stn NSFO No odor

Ls- grey- Tan fxl chlky foss
Poor Vis.

Ls- Tan highly calc grnish
Scatt- N/S

Ls- crm chlky, brn Stn, sl. grnish
gold, fr spotty SO Nocolor

Ls- crm- ltgry crm chlky
Sc oom (Barren)

Ls- crm- buff- wh fxl to fxs
chlky dense fr foss bony A

blk Carb Sh
+ grey- green Shale

Poor Samples

Ls- crm- wh fxl chlky
fr-tr- fr brn Stn NSFO No odor

Ls- aa crm- tan- wh chlky
fr Stn ??? fr FO No odor

Very Poor Samples

Ls- crm- wh fxl chlky
Poor Vis- + gry calc bony A
few opaque A

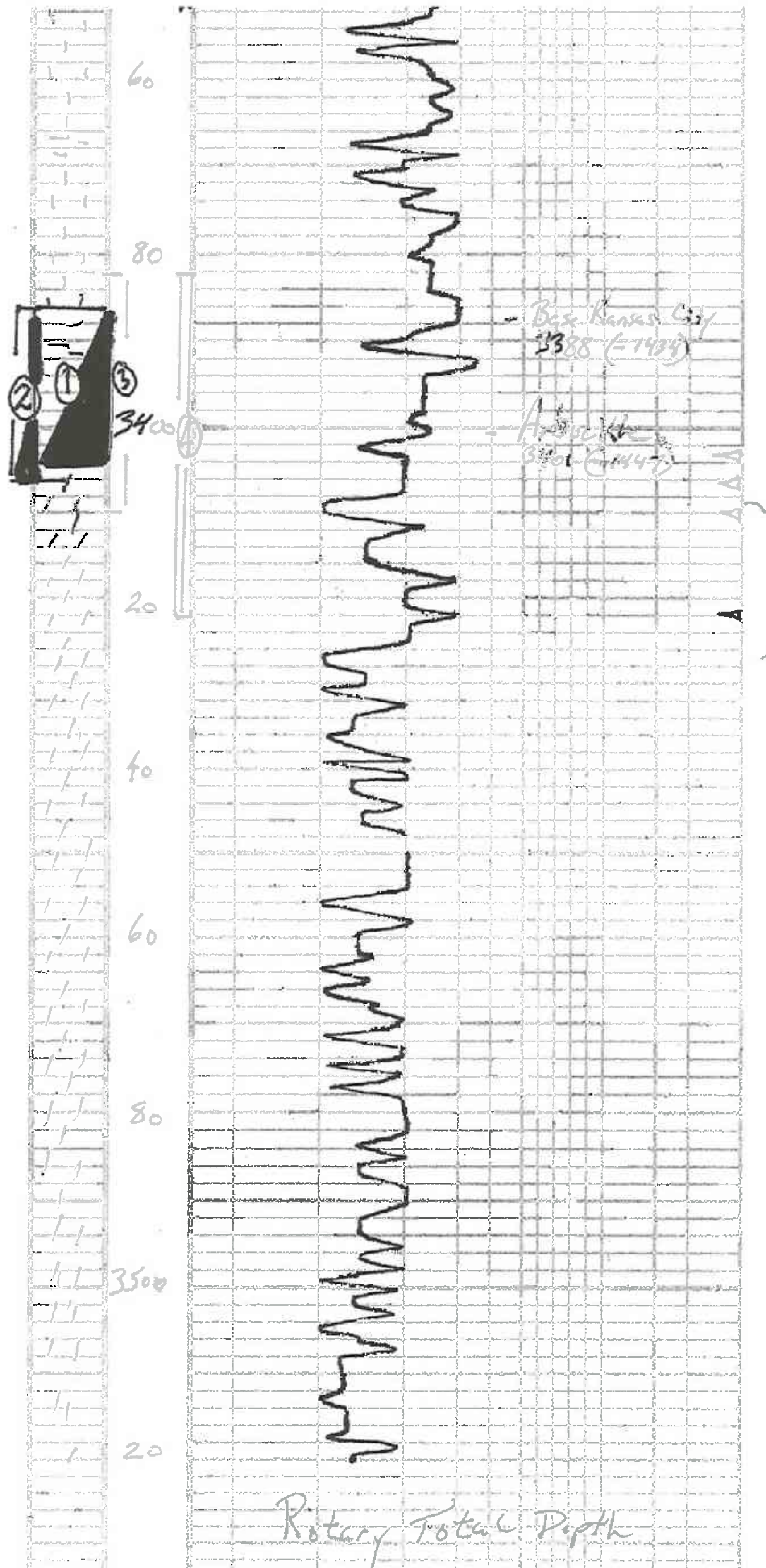
dk gry- blk Shale

Ls- crm fxl chlky

grey- green Sh
Poor Samples

dol- ltgry- tan f-med xl poor

DST #1 3386-3404
20-30-30-30
Blow Weak, dead in 13 min
Recovery 4' clean oil
6" Hocm
Pressures ISIP 275 PSI
FSIP 108 "
IFP 5-7 "
FFP 7-7 "
HSH 1716 "



w-crm-wh fxl chlky
Poor Vis. + gry ool bony Δ
few opaque Δ

dk gry - blk Sh.

Ls. crm fxl chlky

gry - green Sh.
— poor samples —

dol; lt. gry - tan f-med xl poor
Vis. ϕ dk brn-blk stn ??? tr FO
(very poor samples)

dolomite; tan med xl dense.
fn xl. ϕ brn stn tr FO fr odor

dol; f-med xl fr ϕ brn stn tr FO
ft odor

dol; tan - crm f-med xl
Poor Vis ϕ lt brn stn NSFO
+ wh Δ very ft odor

dol; tan - gry - crm fxl Sli suc
dense dy in part N/S
+ wh - crm Δ foss bony in part

dol; crm - tan fxl poor vis ϕ
+ foss bony Δ N/S

dol; wh - crm fxl dense
few sandy pcs poor ϕ N/S

wh. crm bony Δ

DST #1 3386-3404
20-30-30-30
Blow, weak, died in 13 min
Recovery 6" clean oil
6" HOCM
Pressure, ISIP 275 PSI
FSIP 108 "
IFP 5-7 "
FFP 7-7 "
HSH 1716 "
-1712

DST #2 3386-3406
30-30-30-30
Blow, weak died in 19 min
Recovery 1' OCM
Pressures, ISIP 97 PSI
FSIP 69 "
IFP 6-9 "
FFP 7-9 "
HSH 1649 "
-1647

DST #3 3382-3410
20-20-20-20
Blow, weak died in 7 min
Recovery 2' slio cm
Pressures, ISIP 484 PSI
FSIP 423 "
IFP 6-8 "
FFP 8-8 "
HSH 1650 "
-1645

DST #4 3382-3422
30-30-30-45
Blow, weak built to 7"
final built to 4½" (Nobb)
Recovery 60' GIP
30' Clean Oil
81' G & OCWM
(2% gas 15% oil, 31% water, 52% mud)
60' G & OCWM
(4% gas 9% oil 33% water 54% mud)
Pressures, ISIP 964 PSI
FSIP 969 "
IFP 10-63 "
FFP 69-81 "
HSH 1660 "
-1654