



**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well       Re-Entry       Workover
- 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 #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_-\_\_\_\_\_-\_\_\_\_\_- Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  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: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

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: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> 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

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

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
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	H & D Exploration LLC
Well Name	Phyllis 'A' 1
Doc ID	1152622

Tops

Name	Top	Datum
Heebner	3365	
Toronto	3382	
Douglas	3394	
Brown Lime	3455	
Lansign	3465	
BKC	3702	
ARB	3785	
RTD	3920	
Viola	3724	
Simpson Sh	3759	
Anydrite	1040	
Base Anhydrite	1071	

Office (620) 688-4260 212 Main St. • P.O. Box 215 • Clarita, KS 67626 Home (620) 687-3444  
 James C. Musgrove  
 Petroleum Geologist

# GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY HFD Exploration, LLC

ELEVATIONS

LEASE Phyllis "A" #2

KB 2041

FIELD Baunee Rock

12310' PUL  
940' PUL

LOCATION SE - SW - NW

DI 2032

SEC 36 TWP 20 RGE 16

COUNTY Baunee STATE KS

Measurements Are All From KB

CONTRACTOR Southwind Drilling (Ry #2)

SPUD 2/22/13 COMF 3/3/13

RTD 3920 LID 3923

MUD UP 3100 TYPE MUD Chem

CASING 8 7/8" 1033  
 SURFACE PRODUCTION - none -  
 ELECTRICAL SURVEYS  
 By Pioneer  
 PZ, GUL, CDL, MEL

SAMPLES SAVED FROM 3200 TO

DRILLING TIME KEPT FROM 3200 TO

SAMPLES EXAMINED FROM 3200 TO RTD

GEOLOGICAL SUPERVISION FROM 3200 TO

GEOLOGIST ON WELL Wyatt Urban

FORMATION TOPS

LOG

SAMPLES

Hebner 3365 Viola 3724

Toronto 3382

Douglas 3394 Simson 3757

Brown lime 3455

Lensing 3465

BKC 3702

ARB 3785

RTD 3920


anhydrite 1040

Base anhydrite 1071

REMARKS

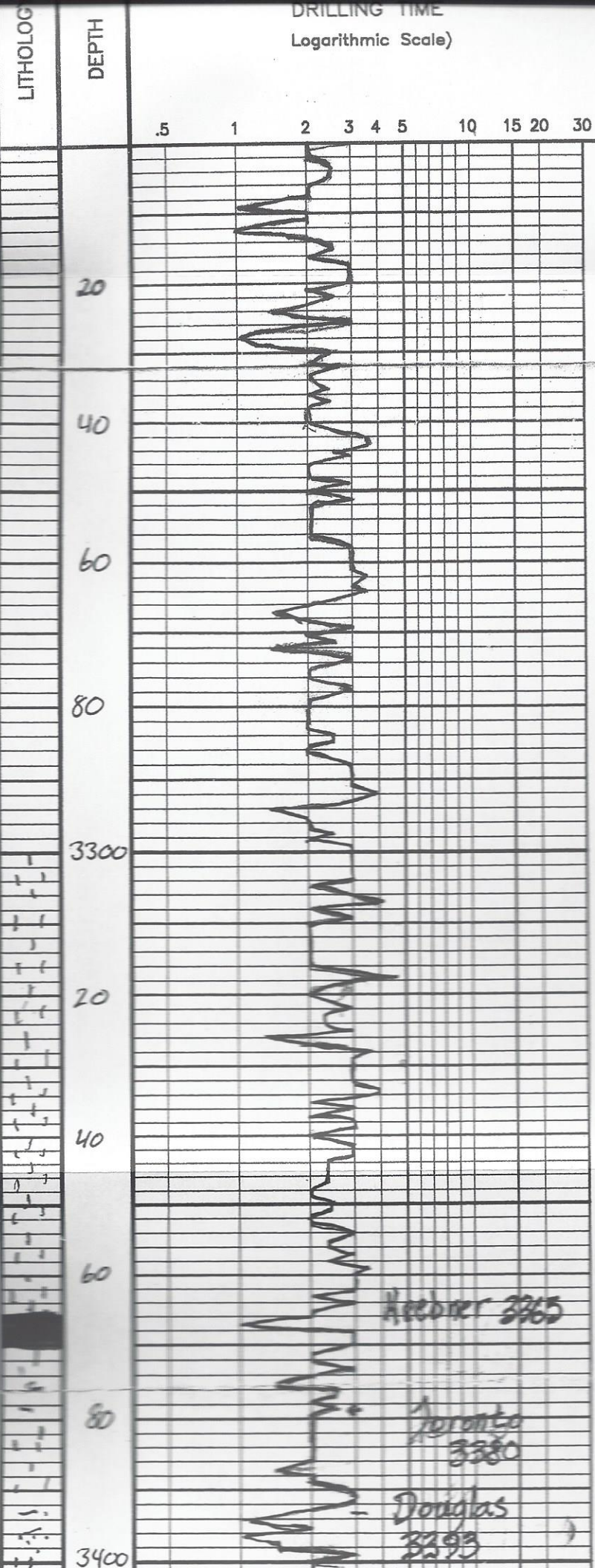
The Phyllis - A' #1, was plugged and abandoned at the RTD 3920

Respectfully submitted  
 Wyatt Urban  
 Petroleum Geologist

LEGEND

DRILLING TIME  
 Logarithmic Scale)

HLEP3  
 YD0701-



SAMPLE DESCRIPTIONS

L.S. gry fxl foss

sh. gry/ BIK

L.S. Tan/gry fxl few foss  
No odor

L.S. Tan fxl Dense few foss.

sh gry/BIK

L.S. Tan fxl Foss Lt Hrn Trc Str  
No odor USFO

sh. BIK/Gry F.gem sets.

L.S. Gry fxl Foss Poor Vis  
No Str.

L.S. Tan/whr fxl Dense Poor Vis  
Lt Hrn Trace Str.

L.S. Tan/whr Foss Fxl n.

L.S. Tan fxl Chiky gran. Foss.

BIK Carb Sh.

L.S. Tan/whr fxl Chiky, gran.  
Poor Vis φ

REMARKS

KD-2041

Keedier 3365

Toronto  
3380

Douglas  
3393

20

40

60

80

3300

20

40

60

80

3400

40

60

80

3400

20

40

60

80

3500

20

40

Keedner 3365

Toronto 3380

Douglas 3393

Born lime 3456 (-1415)

3457 (-1416)

L.S. Tan/Wht Foss fxl

L.S. Tan fxl Chiky gran. Foss.

Blk Carb sh.

L.S. Tan/crm fxl Chiky, gran  
Poor vis φ

sh gry; Blk, greenish soft.

Sh. gry, red. | Sandy, silty

-2041 KB-

L.S. Tan fxl Dense Foss.

L.S. Tan fxl Dense Foss.

L.S. Tan fxl Dense Foss. Lt Brn  
Ft. color. N50

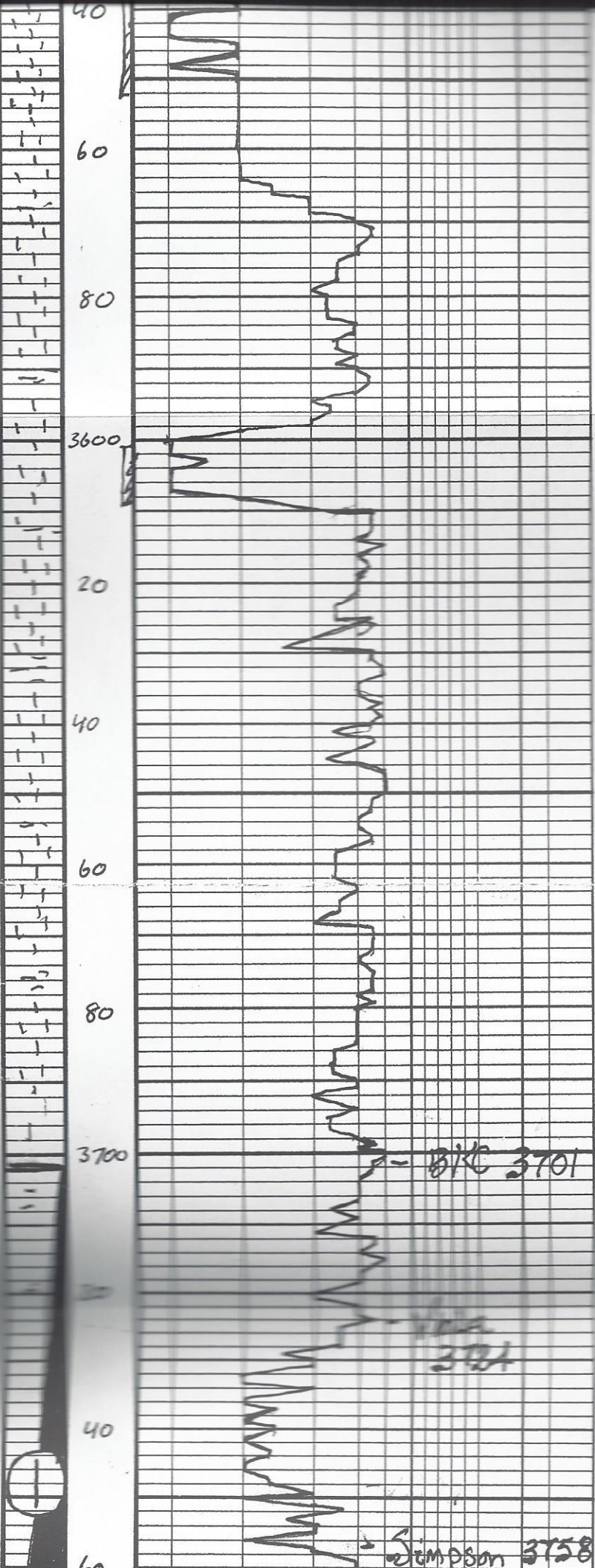
L.S. Tan fxl Dense gran. Lt Brn  
Poor vis φ Wk Sperry show free oil  
Ft. color.

L.S. Gry fxl fxl Lt Brn  
No oil. N50

L.S. Tan fxl - sub oil poor vis φ

L.S. Wht fxl Dense No str  
Poor vis φ

L.S. Tan Gry oil poor Foss  
No str. No oil.



SS  
 SS

L.S. Tan col. com fair φ  
 No str. No odor NISFO

L.S. Tan col. com fair φ  
 No str. No odor

sh. gry. / BIK

L.S. Tan/lt. brn col. No str  
 or odor.

sh. gry/lt. gry. clay

2041

L.S. Tan/lt. brn E. col. No str  
 No str/odor.

L.S. Tan E. col. good φ No str, NISFO

L.S. Tan fxl com, Fair/poor vis φ  
 lt BIK trc stain. No odor NISFO.

L.S. Gry fxl Few Foss, Δ'y Dense-

L.S. Gry fxl Few Foss Δ'y Dense No  
 str. No odor.

sh. gry. / BIK

BKC 3701

L.S. Tan fxl Dense Poor vis φ  
 No str

L.S. Whit/gry Chiky Poor vis φ, No  
 str. No odor.

sh. gry/red

Δ'y Whit/gry-Tan fxl Poor vis φ

Δ'y Mariposan

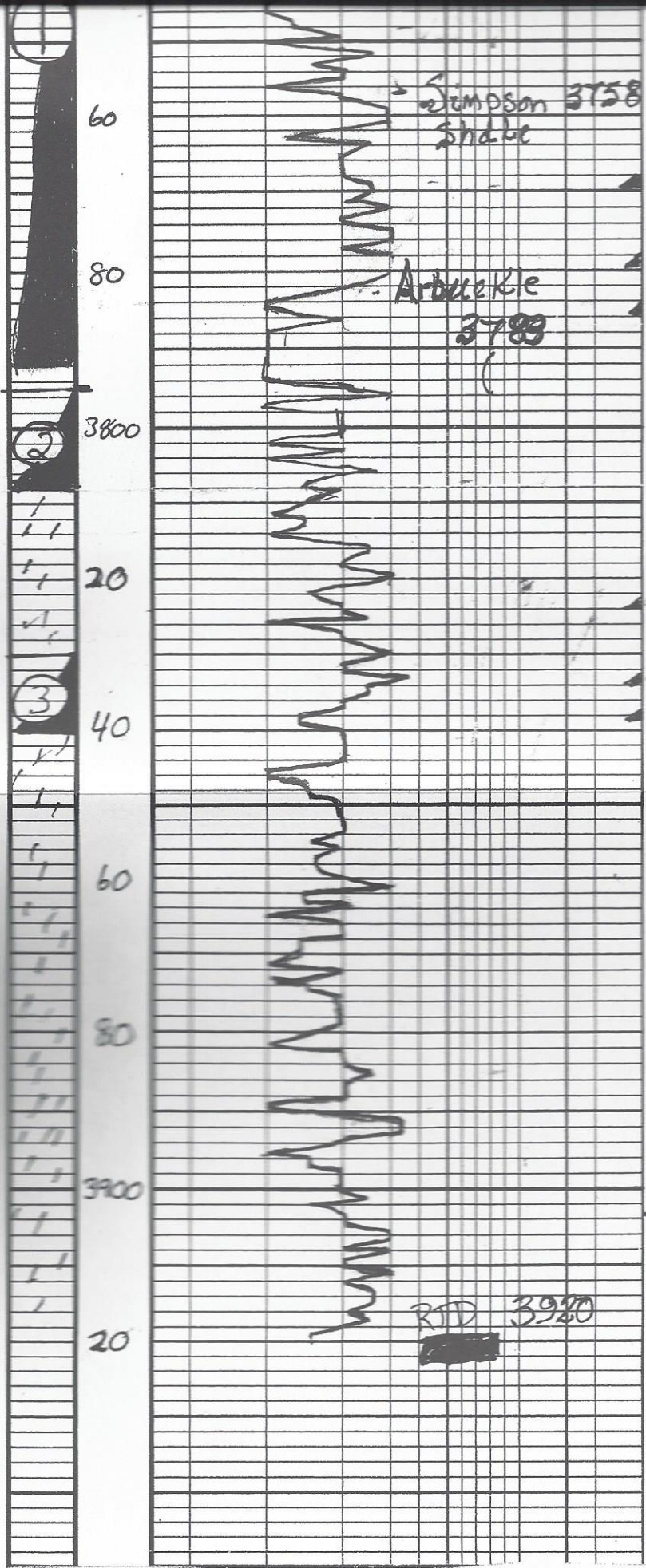
IA

DST 1 3702-3799  
 30' 30' 30' 30'  
 Strong Blow BOB in  
 Rec. 1200' GIP

2100' TOTAL fluid  
 USOCG ml (2% oil,  
 25% mud)  
 Cell Pressures

ISIP-1151  
 FSI-1152  
 IEP-141-604  
 FFP-621-879

Simpson 3758



Sh. red/gr/y/growth

Dol. Whit/gr/y Suc. good  
good str / strong odor Free oil

Dol. Whit C/med XLN Fr IXLN  
lt Brn str, SFO good odor

Dol. Whit/gr/y C ground Sucrosic.  
IXLN Fair VIS lt Brn str  
SFO odor.

Dol. Whit/gr/y Sucr FXLN F/med  
IXLN lt Brn str WPK show  
Free oil.

Dol. Whit FXLN Sucrosic. Poor IXLN  
Poor VIS lt to No str FT. odor

Dol. Whit M-grain Fair IXLN  
No str, No odor.

AA - No str, No odor.

Dol. Whit/gr/y M-grain Sucrosic.  
FXLN Fine to Poor IXLN  
No str, No odor, NSFO.

Dol. Whit/gr/y F-grain Poorly develop  
FXLN No str, No show oil.  
No odor

RTD 3920

ISIP-1151  
FSI-1152  
IFP-191-604  
FFP-621-879  
HSH-1829-1822

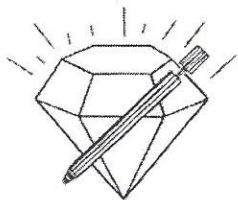
DST #2 3795-3800  
30.30.30.30  
Strong blow BOB 1m  
G.T.S 20 min.  
Recovery 2700 G  
(100% W)

Pressures  
ISIP-1193  
FSI-1195  
IFP-440-1089  
FFP-1120-1195  
HSH-1859-1851

DST #3 3830-3840  
(straddle test)  
5-10-15-30 Blow; S  
Recovery-  
2300 Water  
(100% Water)

Pressures-  
ISIP-1210  
FSIP-1210  
IFP-362-550  
FFP-576-1022  
HSH-1895-1895





**DIAMOND TESTING, LLC**  
 P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
 (620) 653-7550 • (800) 542-7313  
 STC/PhyllisA1

Company H & D Exploration, LLC Lease & Well No. Phyllis "A" No. 1  
 Elevation 2039 KB Formation Arbuckle Effective Pay \_\_\_\_\_ Ft. Ticket No. J3086  
 Date 3-2-13 Sec. 36 Twp. 20S Range 16W County Pawnee State Kansas  
 Test Approved By Wyatt Urban Diamond Representative John C. Riedl

Formation Test No. 1 Interval Tested from 3,702 ft. to 3,792 ft. Total Depth 3,792 ft.  
 Packer Depth 3,697 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
 Packer Depth 3,702 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
 Depth of Selective Zone Set \_\_\_\_\_ ft.

Top Recorder Depth (Inside) 3,705 ft. Recorder Number 30046 Cap. 6,000 psi.  
 Bottom Recorder Depth (Outside) 3,789 ft. Recorder Number 11073 Cap. 4,000 psi.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ psi.

Drilling Contractor Southwind Drilling, Inc. - Rig 2 Drill Collar Length \_\_\_\_\_ ft I.D. \_\_\_\_\_ in.  
 Mud Type Chemical Viscosity 50 Weight Pipe Length \_\_\_\_\_ ft I.D. \_\_\_\_\_ in.  
 Weight 9.2 Water Loss 8.0 cc. Drill Pipe Length 3,680 ft I.D. 3 1/2 in.  
 Chlorides 7,300 P.P.M. Test Tool Length 22 ft Tool Size 3 1/2-IF in.  
 Jars: Make Sterling Serial Number Not Run Anchor Length 30' perf. w/ 60' 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: Strong blow increasing. Off bottom of bucket in 1 min. Weak blow back during shut-in.  
2nd Open: Strong blow increasing. Off bottom of bucket in 4 mins. Strong blow back during shut-in.

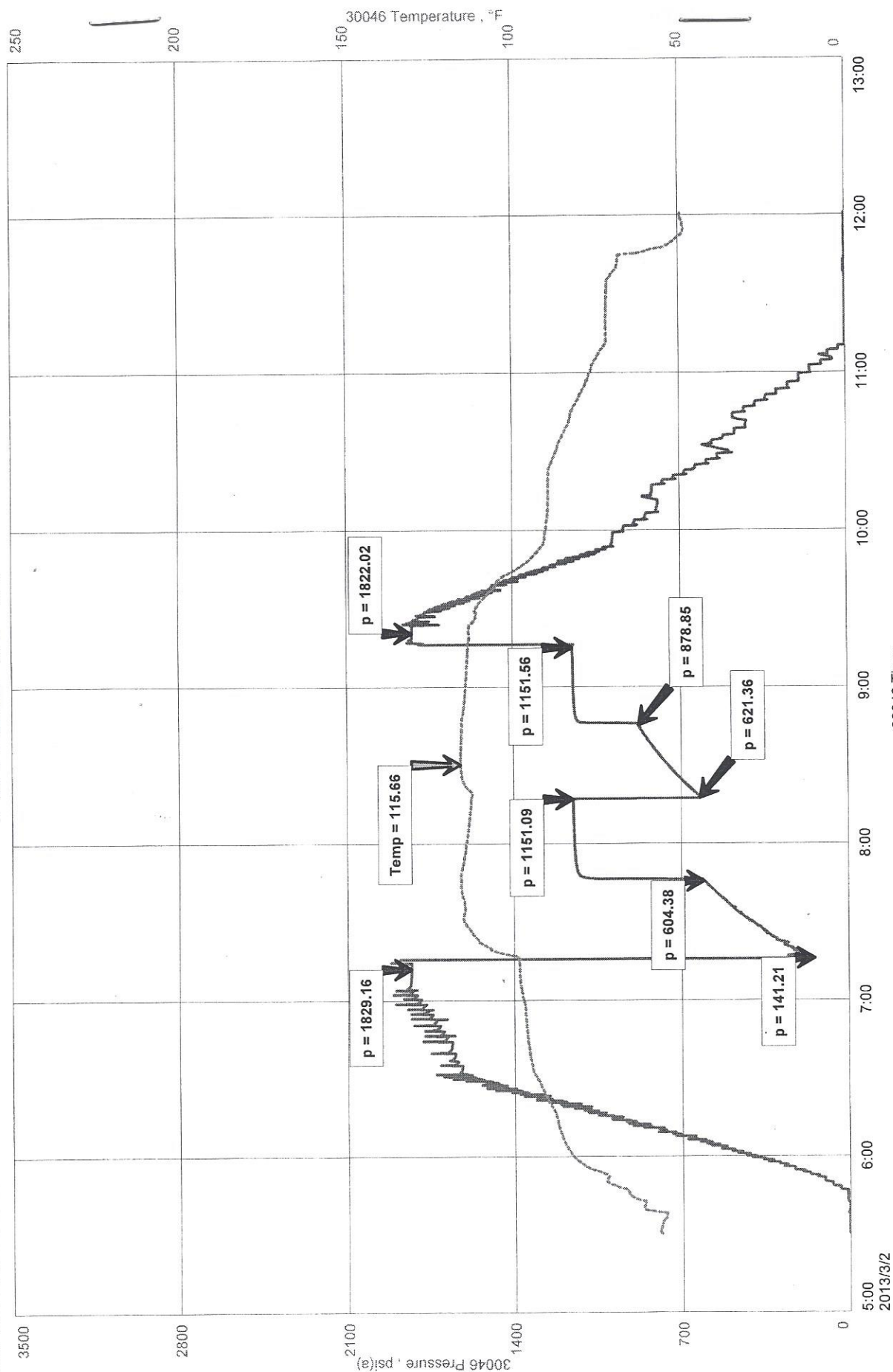
Recovered 1,200 ft. of gas in pipe  
 Recovered 1,100 ft. of very slightly oil cut, gassy, muddy water = 15.653000 bbls. (Grind out: 10%-gas; 2%-oil; 63%-water; 25%-mud)  
 Recovered 1,000 ft. of gassy water = 14.230000 bbls. (Grind out: 10%-gas; 90%-water) Chlorides: 26,000 Ppm  
 Recovered 2,100 ft. of TOTAL FLUID = 29.883000 bbls.  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Remarks Tool Sample Grind Out: 100%-water

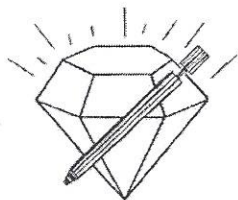
Time Set Packer(s) 7:15 A.M. Time Started off Bottom 9:15 A.M. Maximum Temperature 116°  
 Initial Hydrostatic Pressure.....(A) 1829 P.S.I.  
 Initial Flow Period.....Minutes 30 (B) 141 P.S.I. to (C) 604 P.S.I.  
 Initial Closed In Period.....Minutes 30 (D) 1151 P.S.I.  
 Final Flow Period.....Minutes 30 (E) 621 P.S.I. to (F) 879 P.S.I.  
 Final Closed In Period.....Minutes 30 (G) 1152 P.S.I.  
 Final Hydrostatic Pressure.....(H) 1822 P.S.I.

PHYLLIS "A" #1  
 Formation: DST #1 ARBUCKLE  
 Job Number: D1290

# PHYLLIS "A" #1

H+D EXPLORATION  
 Start Test Date: 2013/03/02  
 Final Test Date: 2013/03/02





**DIAMOND TESTING, LLC**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(620) 653-7550 • (800) 542-7313  
STC/PhyllisADST2

Company H & D Exploration, LLC Lease & Well No. Phyllis "A" No. 1  
Elevation 2039 KB Formation Arbuckle Effective Pay \_\_\_\_\_ Ft. Ticket No. J3087  
Date 3-2-13 Sec. 36 Twp. 20S Range 16W County Pawnee State Kansas  
Test Approved By Wyatt Urban Diamond Representative John C. Riedl

Formation Test No. 2 Interval Tested from 3,795 ft. to 3,806 ft. Total Depth 3,806 ft.  
Packer Depth 3,790 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
Packer Depth 3,795 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
Depth of Selective Zone Set \_\_\_\_\_ ft.

Top Recorder Depth (Inside) 3,798 ft. Recorder Number 30046 Cap. 6,000 psi.  
Bottom Recorder Depth (Outside) 3,803 ft. Recorder Number 11073 Cap. 4,000 psi.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ psi.

Drilling Contractor Southwind Drilling, Inc. - Rig 2 Drill Collar Length \_\_\_\_\_ ft. I.D. \_\_\_\_\_ in.  
Mud Type Chemical Viscosity 50 Weight Pipe Length \_\_\_\_\_ ft. I.D. \_\_\_\_\_ in.  
Weight 9.2 Water Loss 8.0 cc. Drill Pipe Length 3,773 ft. I.D. 3 1/2 in.  
Chlorides 8,000 P.P.M. Test Tool Length 22 ft. Tool Size 3 1/2-IF in.  
Jars: Make Sterling Serial Number Not Run Anchor Length 11 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 1 min. Strong blow back during shut-in.  
2nd Open: Strong blow increasing. Off bottom of bucket in 1 min. Gas to surface in 20 mins. Strong blow back during shut-in.

Recovered 2,700 ft. of gassy water w/ a scum of oil = 38.421000 bbls. (Grind out: 15%-gas; 85%-water) Chlorides: 28,000 Ppm  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

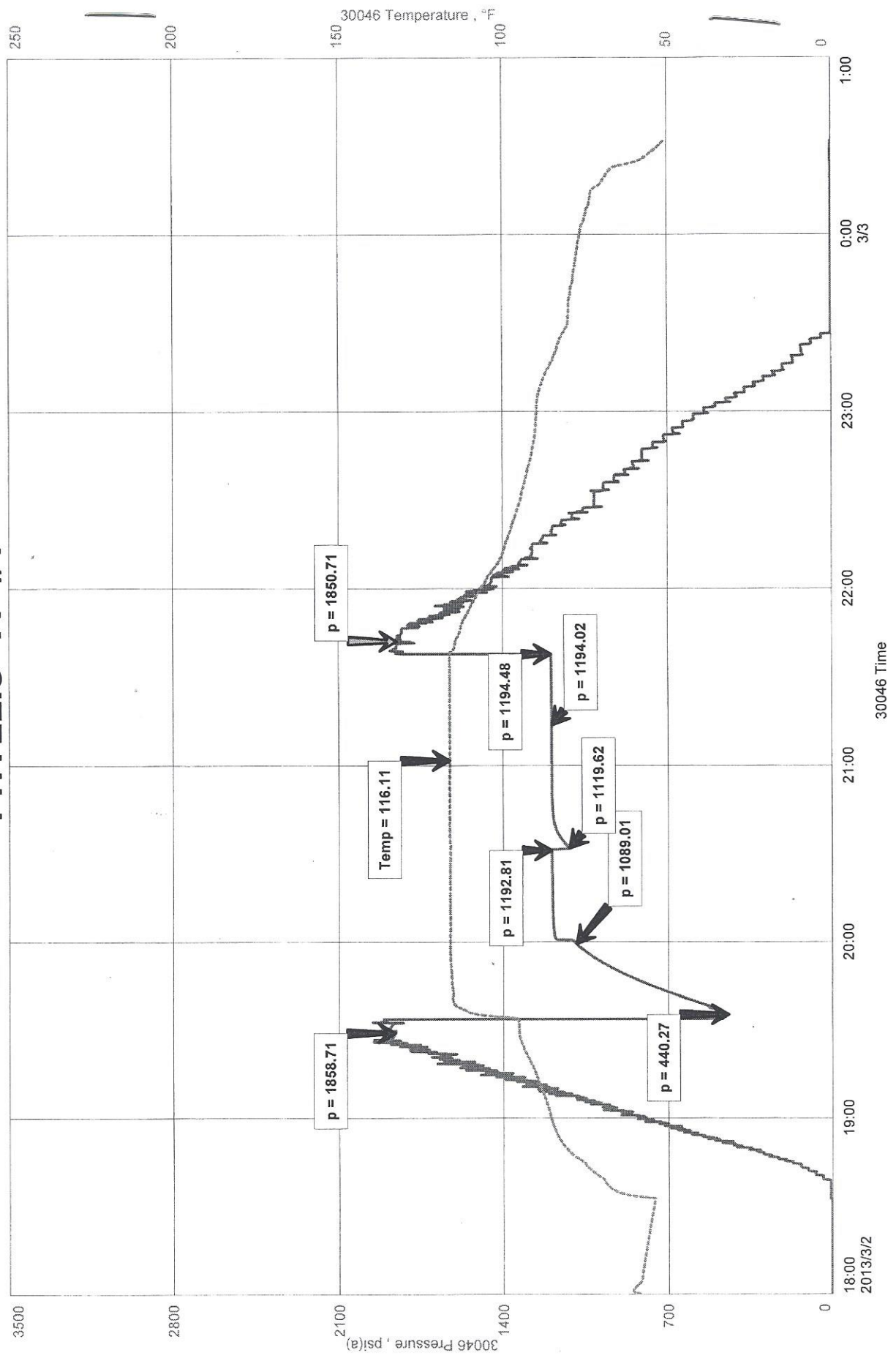
Remarks Tool Sample Grind Out: 100%-water

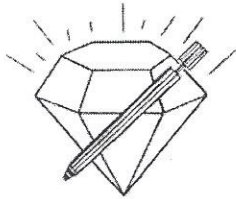
Time Set Packer(s) 7:35 P.M. Time Started off Bottom 9:35 P.M. Maximum Temperature 116°  
Initial Hydrostatic Pressure.....(A) 1859 P.S.I.  
Initial Flow Period.....Minutes 30 (B) 440 P.S.I. to (C) 1089 P.S.I.  
Initial Closed In Period.....Minutes 30 (D) 1193 P.S.I.  
Final Flow Period.....Minutes 30 (E) 1120 P.S.I. to (F) 1194 P.S.I.  
Final Closed In Period.....Minutes 30 (G) 1194 P.S.I.  
Final Hydrostatic Pressure.....(H) 1851 P.S.I.

PHYLLIS "A" #1  
 Formation: DST 2 ARBUCKLE  
 Job Number: D1291

H+D EXPLORATION  
 Start Test Date: 2013/03/02  
 Final Test Date: 2013/03/03

# PHYLLIS "A" #1





**DIAMOND TESTING, LLC**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(620) 653-7550 • (800) 542-7313  
STC/PhyllisADST3

Company H & D Exploration, LLC Lease & Well No. Phyllis "A" No. 1  
Elevation 2039 KB Formation Arbuckle Effective Pay \_\_\_\_\_ Ft. Ticket No. J30  
Date 3-4-13 Sec. 36 Twp. 20S Range 16W County Pawnee State Kansas  
Test Approved By James C. Musgrove Diamond Representative John C. Riedl

Formation Test No. 3 Interval Tested from 3,830 ft. to 3,840 ft. Total Depth 3,923 ft.  
Packer Depth 3,830 ft. Size 6 3/4 in. Packer Depth 3,845 ft. Size 6 3/4 in.  
Packer Depth 3,840 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
Depth of Selective Zone Set 3,845 ft.

Top Recorder Depth (Inside) 3,832 ft. Recorder Number 30046 Cap. 6,000  
Bottom Recorder Depth (Outside) 3,837 ft. Recorder Number 11017 Cap. 4,000  
Below Straddle Recorder Depth 3,920 ft. Recorder Number 11073 Cap. 4,000

Drilling Contractor Southwind Drilling, Inc. - Rig 2 Drill Collar Length \_\_\_\_\_ ft. I.D. \_\_\_\_\_  
Mud Type Chemical Viscosity 50 Weight Pipe Length \_\_\_\_\_ ft. I.D. \_\_\_\_\_  
Weight 9.0 Water Loss 8.5 cc. Drill Pipe Length 3,815 ft. I.D. 3 1/2  
Chlorides 8,000 P.P.M. Test Tool Length 15 ft. Tool Size 3 1/2  
Jars: Make Sterling Serial Number Not Run Anchor Length 10' perf. w/ 83' tail pipe Size 4 1/2-FH  
Did Well Flow? No Reversed Out Yes Surface Choke Size 1 in. Bottom Choke Size 5  
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-X

Blow: 1st Open: Strong blow increasing. Off bottom of bucket in 1 min. Weak blow back during shut-in.  
2nd Open: Strong blow increasing. Off bottom of bucket in 30 secs. No blow back during shut-in.

Recovered 2,300 ft. of water = 32.729000 bbls. (Chlorides: 22,000 Ppm)

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Remarks Tool Sample Grind Out: 100%-water

Time Set Packer(s) 12:05 A.M. Time Started off Bottom 1:05 A.M. Maximum Temperature 117°

Initial Hydrostatic Pressure.....(A) 1895 P.S.I.

Initial Flow Period.....Minutes 5 (B) 362 P.S.I. to (C) 550 P.S.I.

Initial Closed In Period.....Minutes 10 (D) 1210 P.S.I.

Final Flow Period.....Minutes 15 (E) 576 P.S.I. to (F) 1022 P.S.I.

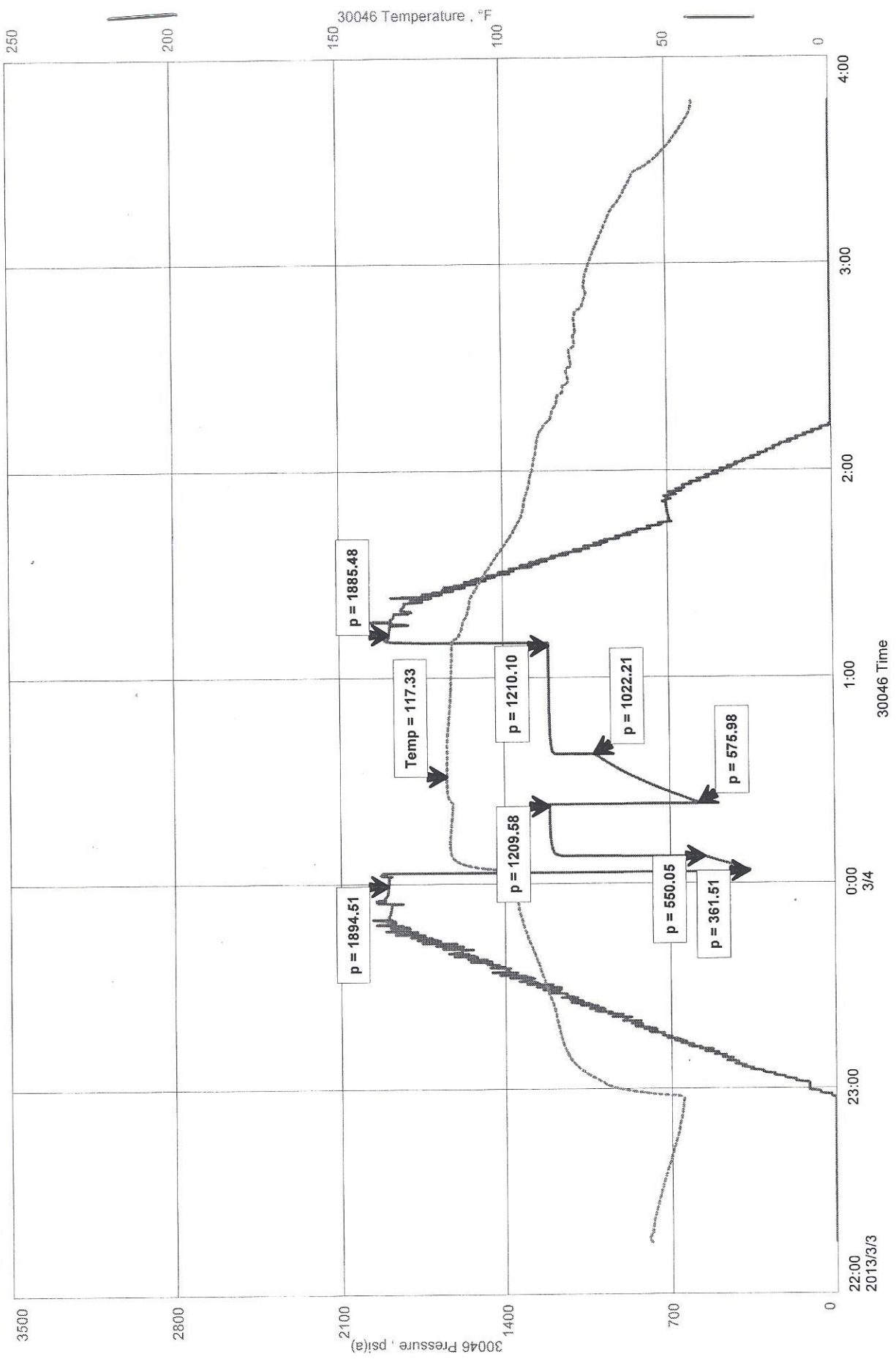
Final Closed In Period.....Minutes 30 (G) 1210 P.S.I.

Final Hydrostatic Pressure.....(H) 1885 P.S.I.

H+D EXPLORATION  
Start Test Date: 2013/03/03  
Final Test Date: 2013/03/04

# PHYLLIS "A" #1

PHYLLIS "A" #1  
Formation: DST #3 ARBUCKLE  
Job Number: D1292



# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 6523

Date	2-23-13	Sec.	36	Twp.	20	Range	16	County	Rawl	State	KS	On Location		Finish	4:45pm
Lease								Well No.		Owner					
Phyllis A								1		To Quality Oilwell Cementing, Inc.					
Contractor										You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.					
Southwind 2															
Type Job										Charge To					
Surface										NAD Exploration					
Hole Size				T.D.				Charge To							
12 1/4				1034				NAD Exploration							
Csg.				Depth				Street							
8 5/8				1033											
Tbg. Size				Depth				City				State			
Tool				Depth				The above was done to satisfaction and supervision of owner agent or contractor.							
Cement Left in Csg.				Shoe Joint				Cement Amount Ordered							
42.95				42.95				400 ccm 30 lb/c 7 1/2" x 2"							
Meas Line				Displace											
				63 BK											
<b>EQUIPMENT</b>								Common							
								400							
Pumptrk				No.				Cementer				Helper			
9								Cody				Cody			
Bulktrk				No.				Driver				Gel.			
								Hath				8			
Bulktrk				No.				Driver				Calcium			
12								Hath				14			
<b>JOB SERVICES &amp; REMARKS</b>								Hulls							
Remarks:								Salt							
Rat Hole								Flowseal							
Mouse Hole								Kol-Seal							
Centralizers								Mud CLR 48							
Baskets								CFL-117 or CD110 CAF 38							
D/V or Port Collar								Sand							
8 5/8 on bottom Est. Circulation.								Handling 422							
Mix 400 ccm Displace Plug								Mileage							
Cement + Circulate								<b>FLOAT EQUIPMENT</b>							
								Guide Shoe							
								Centralizer 8 5/8 duffle plate							
								Baskets Rubber Plug							
								AFU Inserts							
								Float Shoe							
								Latch Down							
								Pumptrk Charge							
								Long Surface							
								Mileage 21							
Signature <i>William Landis</i>								Tax							
								Discount							
								Total Charge							

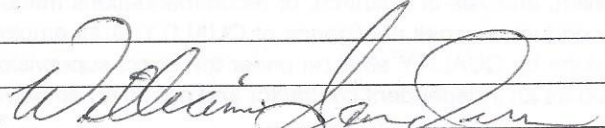
# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 6392

Date	3-4-13	Sec.	36	Twp.	20	Range	16	County	Pawnee	State	Ks	On Location		Finish	9:30 AM	
Lease	Phyllis A							Well No.	1	Location Pawnee Rock, Ks westside, 3W on T Rd to 90 Rd, 1/2 N, E into						
Contractor	Southwind #2							Owner To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.								
Type Job	Plug							Charge To H+D Exploration								
Hole Size	7 7/8"							T.D.	3920'							
Csg.								Depth								
Tbg. Size	4 1/2" D.P.							Depth	3758'							
Tool								Depth								
Cement Left in Csg.								Shoe Joint	Cement Amount Ordered 220 SX 60/40 4% Gel 1/4# F.S.							
Meas Line								Displace	H2O / Mud							
<b>EQUIPMENT</b>										Common 132						
Pumptrk	16	No.	Cementer		Travis		Helper		Poz. Mix 88							
Bulktrk	1	No.	Driver		Lonnice M.		Driver		Gel. 8							
Bulktrk	P.U.	No.	Driver		Rick		Driver		Calcium							
<b>JOB SERVICES &amp; REMARKS</b>										Hulls						
Remarks:													Salt			
Rat Hole													Flowseal 50#			
Mouse Hole													Kol-Seal			
Centralizers													Mud CLR 48			
Baskets													CFL-117 or CD110 CAF 38			
D/V or Port Collar													Sand			
3758' -	50 SX												Handling 228			
1060' -	50 SX												Mileage			
330' -	50 SX												<b>FLOAT EQUIPMENT</b>			
60' -	20 SX												Guide Shoe			
Rathole -	30 SX												Centralizer			
Mousehole -	20 SX												Baskets			
Cement did Circulate,														AFU Inserts		
														Float Shoe		
														Latch Down		
														Pumptrk Charge plug		
														Mileage 21		
														Tax		
<input checked="" type="checkbox"/> Signature														Discount		
														Total Charge		