



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1296019
OIL & GAS CONSERVATION DIVISION

Form ACO-1
August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

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
- Plug Back Conv. to GSW Conv. to Producer
- 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

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical 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

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1296019

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

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 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				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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

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> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	H & B Petroleum Corp.
Well Name	Salem Farms 1
Doc ID	1296019

All Electric Logs Run

Computer Processed Interpretation
Borehole Compensated Sonic
Dual Induction Log
Microresistivity
Dual Comp Porosity

Form	ACO1 - Well Completion
Operator	H & B Petroleum Corp.
Well Name	Salem Farms 1
Doc ID	1296019

Tops

Name	Top	Datum
Anhydrite	643	
Heebner	3049	
Toronto	3066	
Douglas	3084	
Brown Lime	3175	
Lansing	3191	
Base Kansas City	3406	
Arbuckle	3516	

GLOBAL CEMENTING, L.L.C.

REMIT TO 18048 170RD
RUSSELL, KS 67665

SERVICE POINT: Russell

DATE <u>1-19-16</u>	SEC. <u>5</u>	TWP. <u>21s</u>	RANGE <u>12w</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH <u>8:00 AM</u>
LEASE <u>SALEM FARMS</u>	WELL # <u>#1</u>	LOCATION <u>DARTMOUTH FLV. 1/2 E</u>			COUNTY <u>STAFFORD</u>	STATE <u>KANSAS</u>	
OLD OR NEW (CIRCLE ONE) <u>(NEW)</u>				<u>(Great Bond) 7 S. 1/2 E S100</u>			
CONTRACTOR <u>SOUTHWIND DRWG. Rig #3 "Jay"</u>				OWNER			
TYPE OF JOB <u>PRODUCTION STAYING</u>				CEMENT <u>2% GEL</u> <u>2% MASTER</u>			
HOLE SIZE <u>7 7/8</u>	T.D. <u>3643</u>	DEPTH <u>3548</u>		AMOUNT ORDERED <u>180 SX Com</u>		<u>10% SALT</u>	
CASING SIZE <u>5 1/2</u>	DEPTH <u>3548</u>	DEPTH <u>3548</u>		<u>500 GAL MUD FLUSH</u>		<u>1 GAL KCL</u>	
TUBING SIZE	DEPTH	DEPTH		COMMON _____ @ _____			
DRILL PIPE	DEPTH	DEPTH		POZMIX _____ @ _____			
TOOL <u>LATCH DN. Plug Assy</u>	DEPTH <u>3531</u>	MINIMUM		GEL _____ @ _____			
PRES. MAX <u>1500#</u>	SHOE JOINT <u>17'</u>	SHOE JOINT		CHLORIDE _____ @ _____			
MEAS. LINE				ASC _____ @ _____			
CEMENT LEFT IN CSG. <u>17'</u>				_____ @ _____			
PERFS				_____ @ _____			
DISPLACEMENT <u>84 BBL</u>				_____ @ _____			
EQUIPMENT				_____ @ _____			
PUMP TRUCK # <u>P-2</u>	CEMENTER <u>Glenn Heath</u>			_____ @ _____			
BULK TRUCK # <u>B-5</u>	HELPER <u>Cody H.</u>			_____ @ _____			
BULK TRUCK #	DRIVER <u>JASON M.</u>			_____ @ _____			
BULK TRUCK #	DRIVER			_____ @ _____			

REMARKS:
Ran 84 joints of 15' # CSG.
Set @ 3548 Receive Circ. Drop AFU
Ball. Circulate on Bottom 1 HR.
Pump 500 GAL MUD FLUSH
Cement w/ 180 SX, Com. 10% SALT 2% GEL 2% MC
Clear-Line Release LATCH DN. Plug
Displace 84 BBL HAD 100# LIFT #
LAND PLUG @ 1500# Release & Held!
30 SX @ Rat Hole.

CHARGE TO: H & B Petroleum Corp.
 STREET _____
 CITY _____ STATE _____ ZIP _____

Global Cementing, L.L.C.,
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

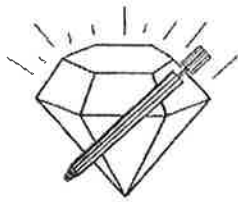
PRINTED NAME _____
 SIGNATURE Mike Keenan AS

HANDLING _____ @ _____
 MILEAGE _____ @ _____
 TOTAL _____

SERVICE
 DEPTH OF JOB _____
 PUMP TRUCK CHARGE _____
 EXTRA FOOTAGE _____ @ _____
 MILEAGE _____ @ _____
 MANIFOLD _____ @ _____
 _____ @ _____
 TOTAL _____

5 1/2 CSG PLUG & FLOAT EQUIPMENT
1- FLOAT SHOE
1- LATCH DN Plug Assy
4- TURBO CENT @
3- REG CENT @
1- BASKET @
 TOTAL _____

SALES TAX (If Any) _____
 TOTAL CHARGES _____
 DISCOUNT _____ IF PAID IN 30 DAYS



DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
SalemFarms1dst1

Company H & B Petroleum Corporation Lease & Well No. Salem Farms No. 1
Elevation 1850 GL Formation Lansing "D-F" Effective Pay Ft. Ticket No. RR216
Date 1-16-16 Sec. 5 Twp. 21 Range 12W County Stafford State Kansas
Test Approved By James C. Musgrove Diamond Representative Ricky Ray

Formation Test No. 1 Interval Tested from 3,228 ft. to 3,270 ft. Total Depth 3,270 ft.
Packer Depth 3,223 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Packer Depth 3,228 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,218 ft. Recorder Number 0062 Cap. 5,000 ps
Bottom Recorder Depth (Outside) 3,229 ft. Recorder Number 5954 Cap. 5,000 ps
Below Straddle Recorder Depth ft. Recorder Number Cap. ps

Drilling Contractor Southwind Drilling, Inc. - Rig 3 Drill Collar Length ft. I.D.
Mud Type Chemical Viscosity 56 Weight Pipe Length ft. I.D.
Weight 8.9 Water Loss 6.4 cc. Drill Pipe Length 3,203 ft. I.D. 3 1/2
Chlorides 2,800 P.P.M. Test Tool Length 25 ft. Tool Size 3 1/2-IF
Jars: Make Sterling Serial Number Not Run Anchor Length 42 ft. Size 4 1/2-FH
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH

Blow: 1st Open: Strong blow increasing. Off bottom of bucket in 25 secs. Gas to surface in 3 1/2 mins. Bottom of bucket blow back during shut-in.
2nd Open: Strong blow increasing. Off bottom of bucket in 30 secs. Fluid to surface in 10 mins. Bottom of bucket blow back during shut-in.

Recovered 1,323 ft. of oil = 18.829290 bbls. (Grind out: 100%-oil) Gravity: 39 @ 60°
Recovered 126 ft. of mud cut water = 1.792980 bbls. (Grind out: 85%-water; 15%-mud) Chlorides: 90,000 Ppm PH: 7.0 RW: .15 @ 27°
Recovered 1,449 ft. of TOTAL FLUID = 20.619270 bbls.
Recovered ft. of
Recovered ft. of
Recovered ft. of

Remarks Tool Sample Grind Out: Blown out!
Blew heavy gas, oil & mud out of 2 in. flow line on 2nd Open.
Diesel in bucket.

Time Set Packer(s) 12:00 A.M. Time Started off Bottom 2:45 A.M. Maximum Temperature 108°
Initial Hydrostatic Pressure.....(A) 1543 P.S.I.
Initial Flow Period.....Minutes 30 (B) 311 P.S.I. to (C) 435 P.S.I.
Initial Closed In Period.....Minutes 30 (D) 881 P.S.I.
Final Flow Period.....Minutes 45 (E) 428 P.S.I. to (F) 549 P.S.I.
Final Closed In Period.....Minutes 60 (G) 884 P.S.I.
Final Hydrostatic Pressure.....(H) 1521 P.S.I.



DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
SalemFarms1dst2

Company H & B Petroleum Corporation Lease & Well No. Salem Farms No. 1
Elevation 1850 GL Formation Lansing "G" Effective Pay Ft. Ticket No. RR217
Date 1-16-16 Sec. 5 Twp. 21S Range 12W County Stafford State Kansas
Test Approved By James C. Musgrove Diamond Representative Ricky Ray

Formation Test No. 2 Interval Tested from 3,271 ft. to 3,285 ft. Total Depth 3,285 ft.
Packer Depth 3,266 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Packer Depth 3,271 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,261 ft. Recorder Number 0062 Cap. 5,000 psi.
Bottom Recorder Depth (Outside) 3,272 ft. Recorder Number 5954 Cap. 5,000 psi.
Below Straddle Recorder Depth ft. Recorder Number Cap. psi.

Drilling Contractor Southwind Drilling, Inc. - Rig 3 Drill Collar Length ft. I.D. in.
Mud Type Chemical Viscosity 66 Weight Pipe Length ft. I.D. in.
Weight 8.9 Water Loss 7.2 cc. Drill Pipe Length 3,246 ft. I.D. 3 1/2 in.
Chlorides 3,000 P.P.M. Test Tool Length 25 ft. Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number Not Run Anchor Length 14 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: 1/4 in. blow increasing to 11 1/4 ins. in 30 mins. 1/4 in. blow back during shut-in.
2nd Open: 1/4 in. blow increasing to 7 1/2 ins. in 30 mins. 1/4 in. blow back during shut-in.

Recovered 189 ft. of gas in pipe
Recovered 30 ft. of water & oil cut mud = .426900 bbls. (Grind out: 15%-oil; 10%-water; 75%-mud)
Recovered 30 ft. of TOTAL FLUID = .426900 bbls.
Recovered ft. of
Recovered ft. of
Recovered ft. of

Remarks Tool Sample Grind Out: 10%-gas; 10%-oil; 55%-water; 25%-mud (Chlorides: 60,000 Ppm PH: 7.0 RW: .19 @ 40°)
Diesel in bucket.

Time Set Packer(s) 11:58 A.M. Time Started off Bottom 2:13 P.M. Maximum Temperature 95°
Initial Hydrostatic Pressure.....(A) 1567 P.S.I.
Initial Flow Period.....Minutes 30 (B) 9 P.S.I. to (C) 15 P.S.I.
Initial Closed In Period.....Minutes 30 (D) 687 P.S.I.
Final Flow Period.....Minutes 30 (E) 15 P.S.I. to (F) 22 P.S.I.
Final Closed In Period.....Minutes 45 (G) 697 P.S.I.
Final Hydrostatic Pressure.....(H) 1524 P.S.I.



DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
SalemFarms1dst3

Company H & B Petroleum Corporation Lease & Well No. Salem Farms No. 1
Elevation 1850 GL Formation Lansing "H-J" Effective Pay Ft. Ticket No. RR2
Date 1-17-16 Sec. 5 Twp. 21S Range 12W County Stafford State Kansas
Test Approved By James C. Musgrove Diamond Representative Ricky Ray

Formation Test No. 3 Interval Tested from 3,310 ft. to 3,380 ft. Total Depth 3,380 ft.
Packer Depth 3,305 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Packer Depth 3,310 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 0062 Cap. 5,000
Bottom Recorder Depth (Outside) 3,346 ft. Recorder Number 5954 Cap. 5,000
Below Straddle Recorder Depth ft. Recorder Number Cap.

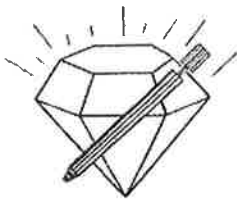
Drilling Contractor Southwind Drilling, Inc. - Rig 3 Drill Collar Length ft. I.D.
Mud Type Chemical Viscosity 66 Weight Pipe Length ft. I.D.
Weight 8.9 Water Loss 7.2 cc. Drill Pipe Length 3,285 ft. I.D. 3 1
Chlorides 3,000 P.P.M. Test Tool Length 25 ft. Tool Size 3 1/2
Jars: Make Sterling Serial Number Not Run Anchor Length 38' perf. w/32' drill pipe Size 4 1/2-F
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-

Blow: 1st Open: 3/4 in. blow increasing. Off bottom of bucket in 2 1/4 mins. Weak blow back during shut-in.

2nd Open: 3 in. blow increasing. Off bottom of bucket in 30 secs. No blow back during shut-in.

Recovered 407 ft. of gas in pipe
Recovered 34 ft. of mud = .483820 bbls. (Grind out: 100%-mud)
Recovered 63 ft. of slightly water cut, gas & mud cut oil = .896490 bbls. (Grind out: 10%-gas; 68%-oil; 2%-water; 20%-mud)
Recovered 97 ft. of TOTAL FLUID = 1.380310 bbls.
Recovered ft. of
Recovered ft. of
Remarks Tool Sample Grind Out: 5%-gas; 30%-oil; 5%-water; 60%-mud
Diesel in bucket.

Time Set Packer(s) 4:20 A.M. Time Started off Bottom 7:05 A.M. Maximum Temperature 100°
Initial Hydrostatic Pressure.....(A) 1575 P.S.I.
Initial Flow Period.....Minutes 30 (B) 27 P.S.I. to (C) 30 P.S.I.
Initial Closed In Period.....Minutes 30 (D) 420 P.S.I.
Final Flow Period.....Minutes 45 (E) 37 P.S.I. to (F) 53 P.S.I.
Final Closed In Period.....Minutes 60 (G) 481 P.S.I.
Final Hydrostatic Pressure.....(H) 1569 P.S.I.



DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
SalemFarms1dst4

Company H & B Petroleum Corporation Lease & Well No. Salem Farms No. 1
Elevation 1850 GL Formation Arbuckle Effective Pay _____ Ft. Ticket No. RR2
Date 1-18-16 Sec. 5 Twp. 21S Range 12W County Stafford State Kansas
Test Approved By James C. Musgrove Diamond Representative Ricky Ray

Formation Test No. 4 Interval Tested from 3,502 ft. to 3,539 ft. Total Depth 3,539 ft.
Packer Depth 3,497 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 3,502 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 3,492 ft. Recorder Number 0062 Cap. 5,000
Bottom Recorder Depth (Outside) 3,506 ft. Recorder Number 5954 Cap. 5,000
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____

Drilling Contractor Southwind Drilling, Inc. - Rig 3 Drill Collar Length _____ ft. I.D. _____
Mud Type Chemical Viscosity 62 Weight Pipe Length _____ ft. I.D. _____
Weight 9.3 Water Loss 8.0 cc. Drill Pipe Length 3,477 ft. I.D. 3 1/2
Chlorides 4,000 P.P.M. Test Tool Length 25 ft. Tool Size 3 1/2-I
Jars: Make Sterling Serial Number Not Run Anchor Length 37 ft. Size 4 1/2-Ft
Did Well Flow? No Reversed Out No 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: 1/4 in. blow increasing to 5 ins. in 30 mins. No blow back during shut-in.

2nd Open: 1/4 in. blow increasing to 6 1/2 ins. in 45 mins. No blow back during shut-in.

Recovered 88 ft. of slightly oil specked mud = 1.252240 bbls. (Grind out: 100%-mud)
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Remarks Tool Sample Grind Out: 1%-oil; 2%-water; 97%-mud
Diesel in bucket.

Time Set Packer(s) 12:25 A.M. Time Started off Bottom 3:10 A.M. Maximum Temperature 102°
Initial Hydrostatic Pressure _____ (A) 1706 P.S.I.
Initial Flow Period _____ Minutes 30 (B) 11 P.S.I. to (C) 27 P.S.I.
Initial Closed In Period _____ Minutes 30 (D) 1161 P.S.I.
Final Flow Period _____ Minutes 45 (E) 28 P.S.I. to (F) 48 P.S.I.
Final Closed In Period _____ Minutes 60 (G) 1152 P.S.I.
Final Hydrostatic Pressure _____ (H) 1664 P.S.I.

GLOBAL CEMENTING, L.L.C.

REMIT TO 18048 170RD
RUSSELL, KS 67665

SERVICE POINT: Kesler

DATE <u>1-13-16</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>Forms</u>	WELL #. <u>1</u>	LOCATION			COUNTY <u>Woodford</u>	STATE <u>KS</u>	
OLD OR <input checked="" type="radio"/> NEW (CIRCLE ONE)							

CONTRACTOR Southwind #3
 TYPE OF JOB Long Term Case
 HOLE SIZE 12 1/8" T.D.
 CASING SIZE 8 5/8" DEPTH 156.00
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX 2750' MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. 55'
 PERFS
 DISPLACEMENT 1041
 EQUIPMENT

PUMP TRUCK CEMENTER Hand
 # 1 HELPER Hand
 BULK TRUCK
 # 845 DRIVER Jason
 BULK TRUCK
 # DRIVER

OWNER
 CEMENT AMOUNT ORDERED 375' @ 3 1/2 CC @ 2500'
 COMMON @
 POZMIX @
 GEL @
 CHLORIDE @
 ASC @
 HANDLING @
 MILEAGE @
 TOTAL

REMARKS:

Run 15 hrs of 8 5/8 casing and tubing at
est circulation
hook up and run 3750' and Release Plug
top shutoff and shut in @ 200PSI
Cement did circulate in surface!

CHARGE TO: HQB Petro
 STREET
 CITY STATE ZIP

SERVICE

DEPTH OF JOB
 PUMP TRUCK CHARGE
 EXTRA FOOTAGE @
 MILEAGE @
 MANIFOLD @
 TOTAL

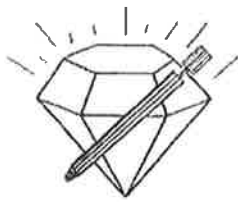
PLUG & FLOAT EQUIPMENT

@
 @ 25' Plug
 @
 @
 @
 TOTAL

Global Cementing, L.L.C.,
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME
 SIGNATURE [Signature]

SALES TAX (if Any)
 TOTAL CHARGES
 DISCOUNT IF PAID IN 30 DAYS



DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
SalemFarms1dst1

Company H & B Petroleum Corporation Lease & Well No. Salem Farms No. 1
Elevation 1850 GL Formation Lansing "D-F" Effective Pay _____ Ft. Ticket No. RR21
Date 1-16-16 Sec. 5 Twp. 21 Range 12W County Stafford State Kansas
Test Approved By James C. Musgrove Diamond Representative Ricky Ray

Formation Test No. 1 Interval Tested from 3,228 ft. to 3,270 ft. Total Depth 3,270 ft.
Packer Depth 3,223 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 3,228 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 3,218 ft. Recorder Number 0062 Cap. 5,000 gals.
Bottom Recorder Depth (Outside) 3,229 ft. Recorder Number 5954 Cap. 5,000 gals.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ gals.

Drilling Contractor Southwind Drilling, Inc. - Rig 3 Drill Collar Length _____ ft. I.D. _____
Mud Type Chemical Viscosity 56 Weight Pipe Length _____ ft. I.D. _____
Weight 8.9 Water Loss 6.4 cc. Drill Pipe Length 3,203 ft. I.D. 3 1/2
Chlorides 2,800 P.P.M. Test Tool Length 25 ft. Tool Size 3 1/2-IF
Jars: Make Sterling Serial Number Not Run Anchor Length 42 ft. Size 4 1/2-FH
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH

Blow: 1st Open: Strong blow increasing. Off bottom of bucket in 25 secs. Gas to surface in 3 1/2 mins. Bottom of bucket blow back during shut-in.
2nd Open: Strong blow increasing. Off bottom of bucket in 30 secs. Fluid to surface in 10 mins. Bottom of bucket blow back during shut-in.

Recovered 1,323 ft. of oil = 18.829290 bbls. (Grind out: 100%-oil) Gravity: 39 @ 60°
Recovered 126 ft. of mud cut water = 1.792980 bbls. (Grind out: 85%-water; 15%-mud) Chlorides: 90,000 Ppm PH: 7.0 RW: .15 @ 27°
Recovered 1,449 ft. of TOTAL FLUID = 20.619270 bbls.
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____

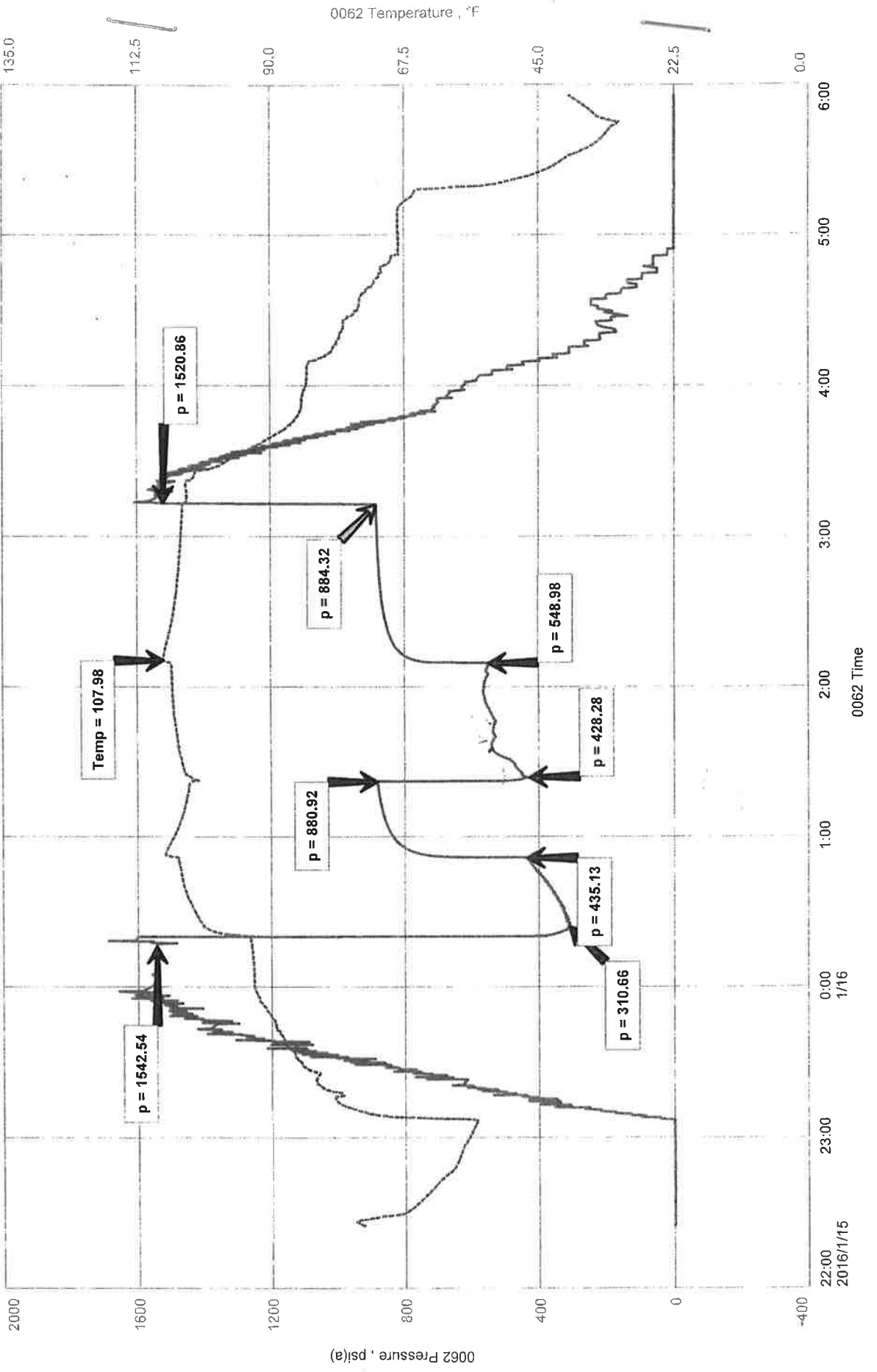
Remarks Tool Sample Grind Out: Blown out!
Blew heavy gas, oil & mud out of 2 in. flow line on 2nd Open.
Diesel in bucket.

Time Set Packer(s) 12:00 A.M. Time Started off Bottom 2:45 A.M. Maximum Temperature 108°
Initial Hydrostatic Pressure.....(A) 1543 P.S.I.
Initial Flow Period.....Minutes 30 (B) 311 P.S.I. to (C) 435 P.S.I.
Initial Closed In Period.....Minutes 30 (D) 881 P.S.I.
Final Flow Period.....Minutes 45 (E) 428 P.S.I. to (F) 549 P.S.I.
Final Closed In Period.....Minutes 60 (G) 884 P.S.I.
Final Hydrostatic Pressure.....(H) 1521 P.S.I.

H & B Petroleum Corporation
Dst 1 Lan "D-F" (3228-3270)
Start Test Date: 2016/01/15
Final Test Date: 2016/01/16

Salem Farms #1
Formation: Dst 1 Lan "D-F" (3228-3270)
Pool: Infield
Job Number: RR216

Salem Farms #1





DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
SalemFarms1dst2

Company H & B Petroleum Corporation Lease & Well No. Salem Farms No. 1
Elevation 1850 GL Formation Lansing "G" Effective Pay Ft. Ticket No. RR217
Date 1-16-16 Sec. 5 Twp. 21S Range 12W County Stafford State Kansas
Test Approved By James C. Musgrove Diamond Representative Ricky Ray

Formation Test No. 2 Interval Tested from 3,271 ft. to 3,285 ft. Total Depth 3,285 ft.
Packer Depth 3,266 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Packer Depth 3,271 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,261 ft. Recorder Number 0062 Cap. 5,000 psi.
Bottom Recorder Depth (Outside) 3,272 ft. Recorder Number 5954 Cap. 5,000 psi.
Below Straddle Recorder Depth ft. Recorder Number Cap. psi.

Drilling Contractor Southwind Drilling, Inc. - Rig 3 Drill Collar Length ft. I.D. in.
Mud Type Chemical Viscosity 66 Weight Pipe Length ft. I.D. in.
Weight 8.9 Water Loss 7.2 cc. Drill Pipe Length 3,246 ft. I.D. 3 1/2 in.
Chlorides 3,000 P.P.M. Test Tool Length 25 ft. Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number Not Run Anchor Length 14 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: 1/4 in. blow increasing to 11 1/4 ins. in 30 mins. 1/4 in. blow back during shut-in.
2nd Open: 1/4 in. blow increasing to 7 1/2 ins. in 30 mins. 1/4 in. blow back during shut-in.

Recovered 189 ft. of gas in pipe
Recovered 30 ft. of water & oil cut mud = .426900 bbls. (Grind out: 15%-oil; 10%-water; 75%-mud)
Recovered 30 ft. of TOTAL FLUID = .426900 bbls.
Recovered ft. of
Recovered ft. of
Recovered ft. of

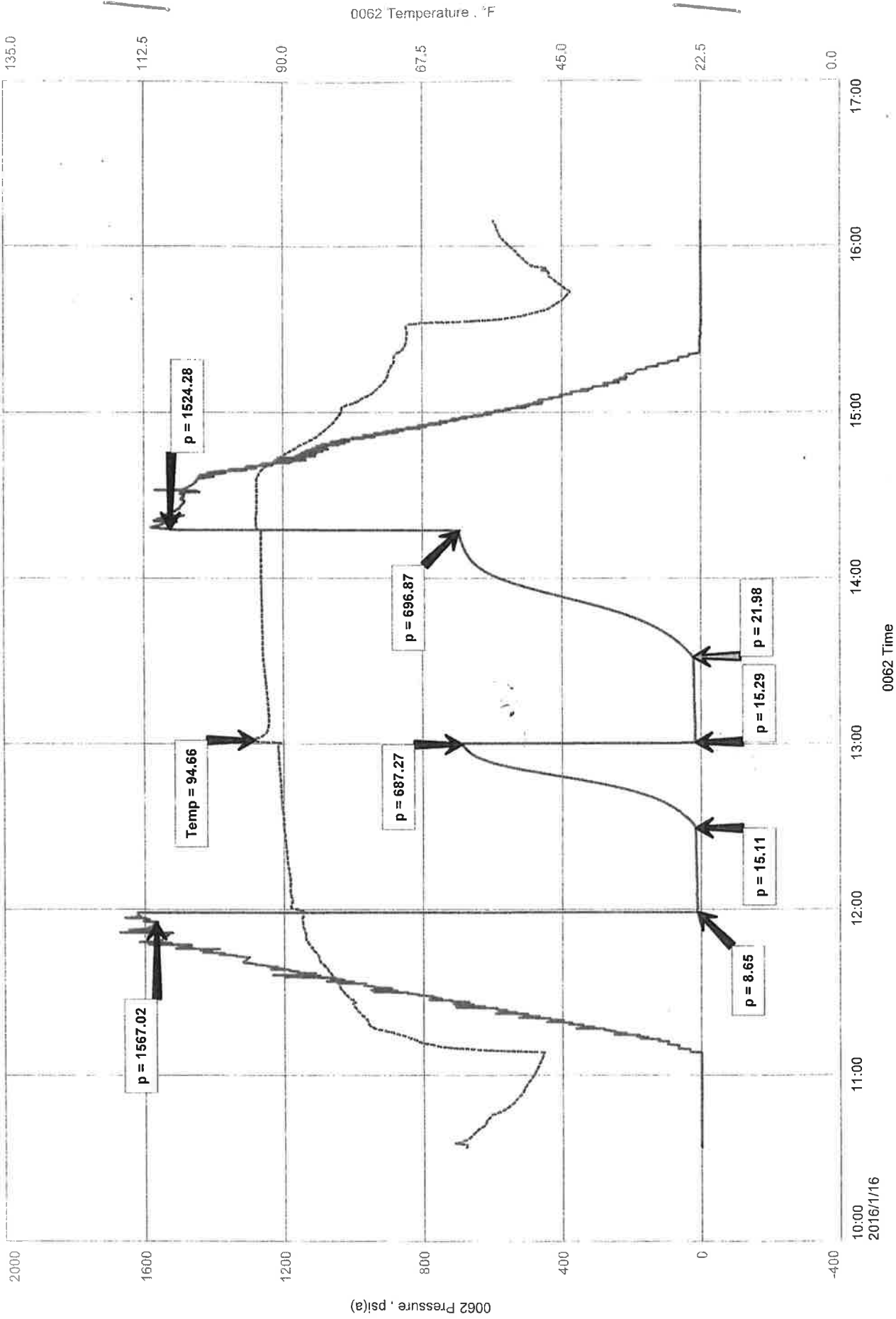
Remarks Tool Sample Grind Out: 10%-gas; 10%-oil; 55%-water; 25%-mud (Chlorides: 60,000 Ppm PH: 7.0 RW: .19 @ 40°)
Diesel in bucket.

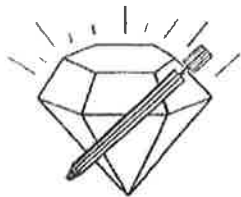
Time Set Packer(s) 11:58 A.M. Time Started off Bottom 2:13 P.M. Maximum Temperature 95°
Initial Hydrostatic Pressure.....(A) 1567 P.S.I.
Initial Flow Period.....Minutes 30 (B) 9 P.S.I. to (C) 15 P.S.I.
Initial Closed In Period.....Minutes 30 (D) 687 P.S.I.
Final Flow Period.....Minutes 30 (E) 15 P.S.I. to (F) 22 P.S.I.
Final Closed In Period.....Minutes 45 (G) 697 P.S.I.
Final Hydrostatic Pressure.....(H) 1524 P.S.I.

H & B Petroleum Corporation
Dst 2 Lan "G" (3271-3285)
Start Test Date: 2016/01/16
Final Test Date: 2016/01/16

Salem Farms #1
Formation: Dst 2 Lan "G" 3271-3285
Pool: Infield
Job Number: RR217

Salem Farms #1





DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
SalemFarms1dst3

Company H & B Petroleum Corporation Lease & Well No. Salem Farms No. 1
Elevation 1850 GL Formation Lansing "H-J" Effective Pay _____ Ft. Ticket No. RR
Date 1-17-16 Sec. 5 Twp. 21S Range 12W County Stafford State Kansas
Test Approved By James C. Musgrove Diamond Representative Ricky Ray

Formation Test No. 3 Interval Tested from 3,310 ft. to 3,380 ft. Total Depth 3,380 ft.
Packer Depth 3,305 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 3,310 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 0062 Cap. 5,00
Bottom Recorder Depth (Outside) _____ 3,346 ft. Recorder Number 5954 Cap. 5,00
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____

Drilling Contractor Southwind Drilling, Inc. - Rig 3 Drill Collar Length _____ ft I.D. _____
Mud Type Chemical Viscosity 66 Weight Pipe Length _____ ft I.D. _____
Weight 8.9 Water Loss 7.2 cc. Drill Pipe Length 3,285 ft I.D. 3
Chlorides 3,000 P.P.M. Test Tool Length 25 ft Tool Size 3 1/2
Jars: Make Sterling Serial Number Not Run Anchor Length 38' perf. w/32' drill pipe Size 4 1/2-
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size _____
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-

Blow: 1st Open: 3/4 in. blow increasing. Off bottom of bucket in 2 1/4 mins. Weak blow back during shut-in.
2nd Open: 3 in. blow increasing. Off bottom of bucket in 30 secs. No blow back during shut-in.

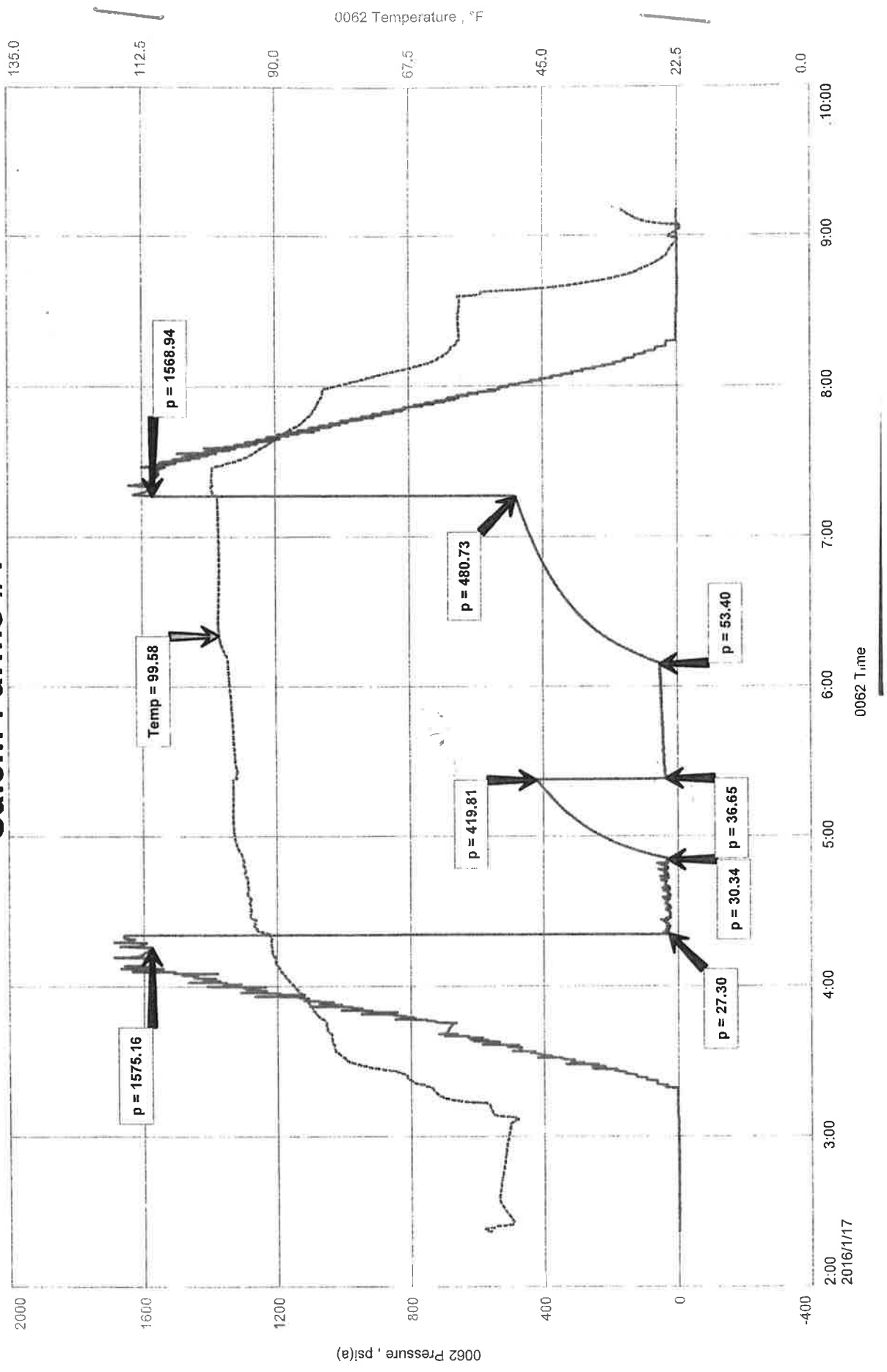
Recovered 407 ft. of gas in pipe
Recovered 34 ft. of mud = .483820 bbls. (Grind out: 100%-mud)
Recovered 63 ft. of slightly water cut, gas & mud cut oil = .896490 bbls. (Grind out: 10%-gas; 68%-oil; 2%-water; 20%-mud)
Recovered 97 ft. of TOTAL FLUID = 1.380310 bbls.
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Remarks Tool Sample Grind Out: 5%-gas; 30%-oil; 5%-water; 60%-mud
Diesel in bucket.

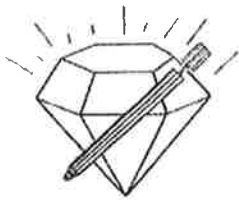
Time Set Packer(s) 4:20 A.M. Time Started off Bottom 7:05 A.M. Maximum Temperature 100°
Initial Hydrostatic Pressure.....(A) _____ 1575 P.S.I.
Initial Flow Period.....Minutes 30 (B) _____ 27 P.S.I. to (C) _____ 30 P.S.I.
Initial Closed In Period.....Minutes 30 (D) _____ 420 P.S.I.
Final Flow Period.....Minutes 45 (E) _____ 37 P.S.I. to (F) _____ 53 P.S.I.
Final Closed In Period.....Minutes 60 (G) _____ 481 P.S.I.
Final Hydrostatic Pressure.....(H) _____ 1569 P.S.I.

H & B Petroleum Corporation
 Dst 3 Lan "H-J" (3310-3380)
 Start Test Date: 2016/01/17
 Final Test Date: 2016/01/17

Salem Farms #1
 Formation: Dst 3 Lan "H-J" (3310-3380)
 Pool: Infield
 Job Number: RR218

Salem Farms #1





DIAMOND TESTING, LLC
 P.O. Box 157
HOISINGTON, KANSAS 67544
 (620) 653-7550 • (800) 542-7313
 SalemFarms1dst4

Company H & B Petroleum Corporation Lease & Well No. Salem Farms No. 1
 Elevation 1850 GL Formation Arbuckle Effective Pay _____ Ft. Ticket No. RR:
 Date 1-18-16 Sec. 5 Twp. 21S Range 12W County Stafford State Kansas
 Test Approved By James C. Musgrove Diamond Representative Ricky Ray

Formation Test No. 4 Interval Tested from 3,502 ft. to 3,539 ft. Total Depth 3,539 ft.
 Packer Depth 3,497 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Packer Depth 3,502 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 3,492 ft. Recorder Number 0062 Cap. 5,000
 Bottom Recorder Depth (Outside) 3,506 ft. Recorder Number 5954 Cap. 5,000
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____

Drilling Contractor Southwind Drilling, Inc. - Rig 3 Drill Collar Length _____ ft. I.D. _____
 Mud Type Chemical Viscosity 62 Weight Pipe Length _____ ft. I.D. _____
 Weight 9.3 Water Loss 8.0 cc. Drill Pipe Length 3,477 ft. I.D. 3 1/2
 Chlorides 4,000 P.P.M. Test Tool Length 25 ft. Tool Size 3 1/2
 Jars: Make Sterling Serial Number Not Run Anchor Length 37 ft. Size 4 1/2-F
 Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size _____
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-

Blow: 1st Open: 1/4 in. blow increasing to 5 ins. in 30 mins. No blow back during shut-in.
 2nd Open: 1/4 in. blow increasing to 6 1/2 ins. in 45 mins. No blow back during shut-in.

Recovered 88 ft. of slightly oil specked mud = 1.252240 bbls. (Grind out: 100%-mud)
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Remarks Tool Sample Grind Out: 1%-oil; 2%-water; 97%-mud
Diesel in bucket.

Time Set Packer(s) 12:25 A.M. Time Started off Bottom 3:10 A.M. Maximum Temperature 102°
 Initial Hydrostatic Pressure.....(A) 1706 P.S.I.
 Initial Flow Period.....Minutes 30 (B) 11 P.S.I. to (C) 27 P.S.I.
 Initial Closed In Period.....Minutes 30 (D) 1161 P.S.I.
 Final Flow Period.....Minutes 45 (E) 28 P.S.I. to (F) 48 P.S.I.
 Final Closed In Period.....Minutes 60 (G) 1152 P.S.I.
 Final Hydrostatic Pressure.....(H) 1664 P.S.I.

Salem Farms #1
 Formation: Dst 4 Arbuckle (3502-3539)
 Pool: Infield
 Job Number: RR219

H & B Petroleum Corporation
 Dst 4 Arbuckle (3502-3539)
 Start Test Date: 2016/01/17
 Final Test Date: 2016/01/18

Salem Farms #1

