



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1172446
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: _____

1172446

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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
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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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	LB Exploration, Inc.
Well Name	99 SPRINGS 1
Doc ID	1172446

All Electric Logs Run

Dual Induction
Dual Compensated Porosity
Micro
Borehole Compensated Sonic

ALLIED CEMENTING CO., INC.

24665

Federal Tax I.D.# 48-0727860

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: Med Lodge

DATE <u>7-23-06</u>	SEC <u>23</u>	TWP. <u>30s</u>	RANGE <u>12w</u>	CALLED OUT <u>10:00AM</u>	ON LOCATION <u>1:30pm</u>	JOB START <u>5:10pm</u>	JOB FINISH <u>5:45pm</u>
LEASE <u>99 spring</u>	WELL # <u>1</u>	LOCATION <u>28th 99 rd 99 entrance</u>			COUNTY <u>Barber</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>			<u>E to gate + N into</u>				

CONTRACTOR Fossil #1

TYPE OF JOB Prod Log

HOLE SIZE 7 7/8 T.D. 3941

CASING SIZE 4 1/2 DEPTH 3941

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX 1100 MINIMUM

MEAS. LINE SHOE JOINT 42ft

CEMENT LEFT IN CSG. 42ft

PERFS.

OWNER Z. B Operating

DISPLACEMENT 63 1/2 bbls 22 KCL

EQUIPMENT

CEMENT

AMOUNT ORDERED 125 x H 105 gyp, 105 Salt 6# Kol seal + .72 gas block + Defoamer 25 x 60/40 6 8 gal clapro, 500 gal ASF

PUMP TRUCK # 343 CEMENTER Mar HELPER Steve

BULK TRUCK # 364 DRIVER JR

BULK TRUCK # DRIVER

COMMON	<u>15</u>	<u>A</u>	@	<u>10.65</u>	<u>159.75</u>
POZMIX	<u>10</u>		@	<u>5.80</u>	<u>58.00</u>
GEL	<u>1</u>		@	<u>16.65</u>	<u>16.65</u>
CHLORIDE			@		
125 H	<u>125</u>	<u>H</u>	@	<u>12.75</u>	<u>1593.75</u>
Gyp Seal	<u>12</u>		@	<u>23.35</u>	<u>280.20</u>
Salt	<u>14</u>		@	<u>9.60</u>	<u>134.40</u>
Kol seal	<u>750</u>	<u>#</u>	@	<u>.70</u>	<u>525.00</u>
Gas Block	<u>82</u>	<u>#</u>	@	<u>8.90</u>	<u>729.80</u>
Defoamer	<u>21</u>	<u>#</u>	@	<u>7.20</u>	<u>151.20</u>
Clapro	<u>8</u>		@	<u>25.00</u>	<u>200.00</u>
ASF	<u>500</u>	<u>gal</u>	@	<u>1.00</u>	<u>500.00</u>
HANDLING	<u>194</u>		@	<u>1.90</u>	<u>368.60</u>
MILEAGE	<u>10 x 194 x .09</u>				<u>240.00</u>
	<u>min chg.</u>				<u>TOTAL 4957.30</u>

REMARKS:

on bottom circulate, pump 20 bbls KCL with 3 fresh, 500 gal ASF + 3 bbls fresh + plug set + move mix 125 x cement, stop pump, wash pump + lines, release plug + start displacement. lift pressure at 45 bbls + slow rate, slow rate of 52 bbls bump plug at 63 1/2 bbls + 300 psi plug did hold

SERVICE

DEPTH OF JOB	<u>3941'</u>		
PUMP TRUCK CHARGE			<u>1610.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>10</u>	@	<u>6.00 60.00</u>
MANIFOLD		@	
<u>Head Rental</u>		@	<u>100.00 100.00</u>
		@	
TOTAL			<u>1770.00</u>

CHARGE TO: Z + B Exploration

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

<u>4 1/2 Triple shoe</u>	@	<u>1300.00</u>	<u>1300.00</u>
<u>1-2" top down plug</u>	@	<u>325.00</u>	<u>325.00</u>
<u>5-Turbellys</u>	@	<u>55.00</u>	<u>275.00</u>
	@		
	@		

ANY APPLICABLE TAX WILL BE CHARGED UPON INVOICING TOTAL 1900.00

TAX _____

TOTAL CHARGE [scribble]

DISCOUNT [scribble] IF PAID IN 30 DAYS

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper 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 & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE Rickey Popp
Thank you Rick!

PRINTED NAME Rickey Popp



DIAMOND TESTING

P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
STC 21098.D307

Company L. B. Exploration, Inc. Lease & Well No. 99 Springs No. 1
Elevation 1787KB Formation Elgin Sand Effective Pay Ft. Ticket No. 2189
Date 9-17-06 Sec. 25 Twp. 30S Range 12W County Barber State Kansas
Test Approved By Scott Alberg Diamond Representative Roger D. Friedly

Formation Test No. 1 Interval Tested from 3,507 ft. to 3,545 ft. Total Depth 3,545 ft.
Packer Depth 3,502 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Packer Depth 3,507 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,488 ft. Recorder Number 21098 Cap. 5,000 psi
Bottom Recorder Depth (Outside) 3,542 ft. Recorder Number 13387 Cap. 4,000 psi
Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor Fossil Drilling, Inc. - Rig 1 Drill Collar Length ft. I.D. in.
Mud Type Chemical Viscosity 44 Weight Pipe Length ft. I.D. in.
Weight 8.7 Water Loss 10.4 cc. Drill Pipe Length 3,475 ft. I.D. 3 1/2 in.
Chlorides 3,000 P.P.M. Test Tool Length 32 ft. Tool Size 3 1/2 - IF in.
Jars: Make Bowen Serial Number No. 1 Anchor Length 38 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. Off bottom of bucket in 30 secs. Weak surface blow back during shut-in. Blow died.
2nd Open: Strong blow. Off bottom of bucket immediately. Gas to surface in 17 mins. (SEE GAS VOLUME REPORT.)
No blow back during shut-in.

Recovered 110 ft. of drilling mud = 1.562000 bbls. (Grind out: 100%-drilling mud)
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of
Remarks Tool Sample Grind Out: Blew out

Time Set Packer(s) 8:24 ~~XXX~~ P.M. Time Started Off Bottom 11:39 ~~XXX~~ P.M. Maximum Temperature 109°
Initial Hydrostatic Pressure (A) 1580 P.S.I.
Initial Flow Period Minutes 30 (B) 15 P.S.I. to (C) 23 P.S.I.
Initial Closed In Period Minutes 45 (D) 1159 P.S.I.
Final Flow Period Minutes 60 (E) 22 P.S.I. to (F) 48 P.S.I.
Final Closed In Period Minutes 60 (G) 1153 P.S.I.
Final Hydrostatic Pressure (H) 1569 P.S.I.



DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

GAS VOLUME REPORT

Company L. B. Exploration, Inc. Lease & Well No. 99 Springs No. 1
 Date 9-17-06 Sec. 25 Twp. 30 S Rge. 12 W Location 1,830' & 1,875' FEL, SEC County Barber State KS
 Drilling Contractor Fossil Drilling, Inc. - Rig 1 Formation Elgin Sand DST No. 1
 Remarks: 1st Open: N/A 2nd Open: Gas to surface in 17 mins. Gas did burn.

INITIAL FLOW

Time O'Clock	Orifice Size	Gauge	CF/D
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	

FINAL FLOW

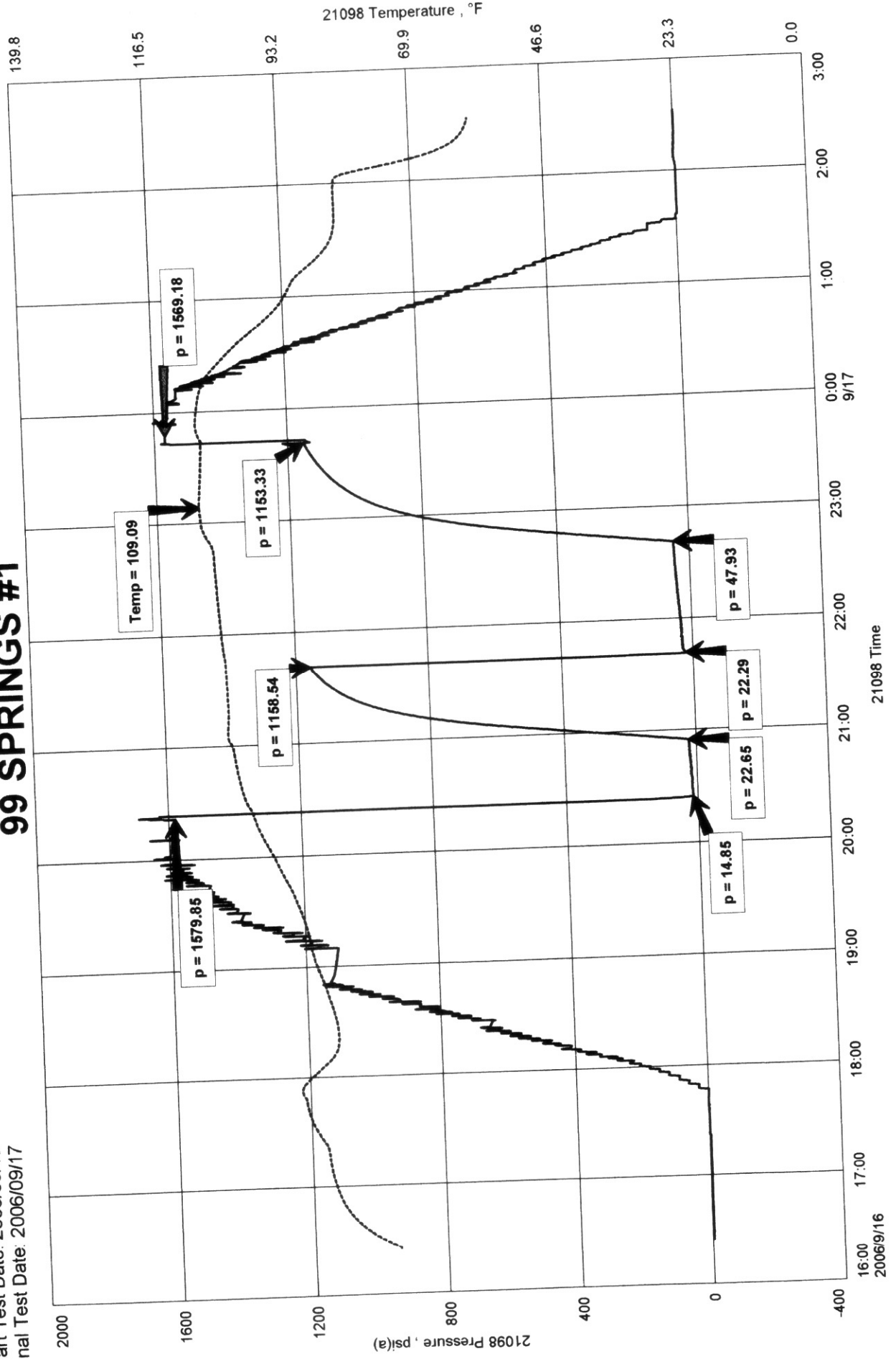
Open Tool: 9:39 p.m.

Time O'Clock	Orifice Size	Gauge	CF/D
10:04 p.m.	1/8 in.	1/2 psi	1,380
10:09 p.m.	1/8 in.	1 psi	2,760
10:14 p.m.	1/8 in.	1 1/2 psi	3,025
10:19 p.m.	1/8 in.	1 1/2 psi	3,390
10:24 p.m.	1/8 in.	1 1/2 psi	3,390
10:29 p.m.	1/8 in.	1 3/4 psi	3,655
10:34 p.m.	1/8 in.	1 3/4 psi	3,655
10:39 p.m.	1/8 in.	1 3/4 psi	3,655

99 SPRINGS #1
 Formation: DST #1 ELGIN SAND 3,507' - 3,545'
 Pool: WILDCAT

3. EXPLORATION
 ST #1 ELGIN SAND 3,507' - 3,545'
 Start Test Date: 2006/09/16
 Final Test Date: 2006/09/17

99 SPRINGS #1





DIAMOND TESTING

P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
STC 21098.D308

Company L. B. Exploration, Inc. Lease & Well No. 99 Springs No. 1
Elevation 1787KB Formation Lower Douglas Sand Effective Pay -- Ft. Ticket No. 2190
Date 9-18-06 Sec. 25 Twp. 30S Range 12W County Barber State Kansas
Test Approved By Scott Alberg Diamond Representative Roger D. Friedly

Formation Test No. 2 Interval Tested from 3,809 ft. to 3,865 ft. Total Depth 3,865 ft.
Packer Depth 3,804 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Packer Depth 3,809 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,790 ft. Recorder Number 21098 Cap. 5,000 psi
Bottom Recorder Depth (Outside) 3,862 ft. Recorder Number 13387 Cap. 4,000 psi
Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor Fossil Drilling, Inc. - Rig 1 Drill Collar Length -- ft. I.D. -- in.
Mud Type Chemical Viscosity 45 Weight Pipe Length -- ft. I.D. -- in.
Weight 8.7 Water Loss 11.2 cc. Drill Pipe Length 3,777 ft. I.D. 3 1/2 in.
Chlorides 6,000 P.P.M. Test Tool Length 32 ft. Tool Size 3 1/2 - IF in.
Jars: Make Bowen Serial Number No. 1 Anchor Length 24' perf. w/32' drill pipe Size 4 1/2 - FH in.
Did Well Flow? Heavy mist 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. Off bottom of bucket immediately. Gas to surface in 3 mins. Strong blow back off bottom of bucket during shut-in. (SEE GAS VOLUME REPORT.)
2nd Open: Strong blow. Off bottom of bucket immediately. Strong blow back off bottom of bucket during shut-in.

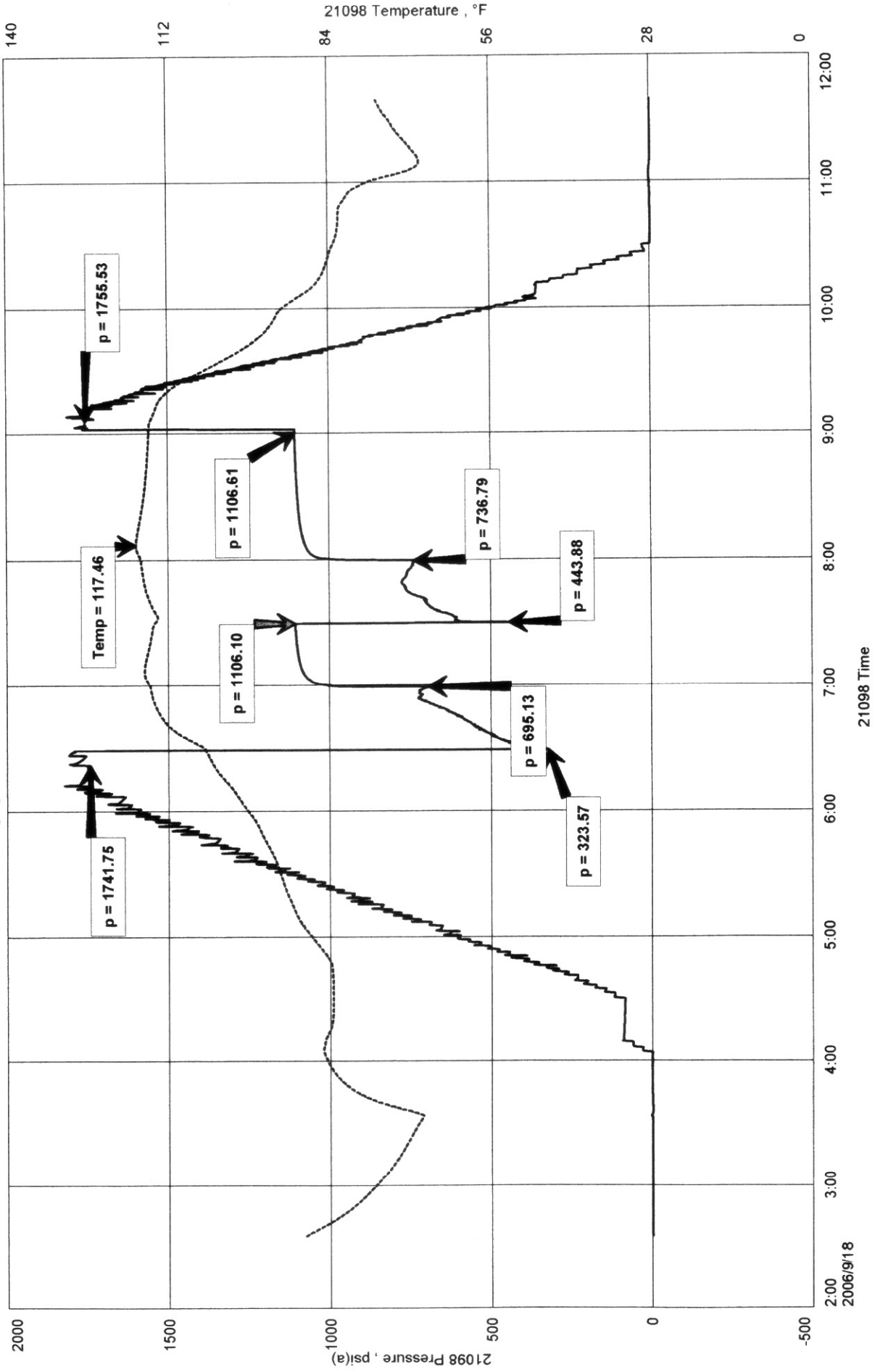
Recovered 783 ft. of saltwater = 11.118600 bbls. (Chlorides: 122,000 Ppm)
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of
Remarks Tool Sample Grind Out: Blew Out

Time Set Packer(s) 6:29 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 8:59 ~~P.M.~~ ^{A.M.} Maximum Temperature 117°
Initial Hydrostatic Pressure (A) 1742 P.S.I.
Initial Flow Period Minutes 30 (B) 324 P.S.I. to (C) 695 P.S.I.
Initial Closed In Period Minutes 30 (D) 1106 P.S.I.
Final Flow Period Minutes 30 (E) 444 P.S.I. to (F) 737 P.S.I.
Final Closed In Period Minutes 60 (G) 1107 P.S.I.
Final Hydrostatic Pressure (H) 1756 P.S.I.

L.B EXPLORATION
 DST #2 L. DOUGLAS SAND 3,809' - 3,865'
 Start Test Date: 2006/09/18
 Final Test Date: 2006/09/18

99 SPRINGS #:
 Formation: DST #2 L. DOUGLAS SAND 3,809' - 3,895'
 Pool: WILDCAT

99 SPRINGS #1





DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

STC 21098.D 309

Page 1 of 2 Pages

Company L. B. Exploration, Inc. Lease & Well No. 99 Springs No. 1
 Elevation 1787KB Formation Mississippi Effective Pay -- Ft. Ticket No. 2191
 Date 9-20-06 Sec. 25 Twp. 30S Range 12W County Barber State Kansas

Test Approved By Scott Alberg Diamond Representative Roger D. Friedly

Formation Test No. 3 Interval Tested from 4,375 ft. to 4,421 ft. Total Depth 4,421 ft.

Packer Depth 4,370 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 4,375 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 4,356 ft. Recorder Number 21098 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 4,418 ft. Recorder Number 13387 Cap. 4,000 psi

Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor Fossil Drilling, Inc. - Rig 1 Drill Collar Length -- ft. I.D. -- in.

Mud Type Chemical Viscosity 50 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.1 Water Loss 8.0 cc. Drill Pipe Length 4,343 ft. I.D. 3 1/2 in.

Chlorides 7,000 P.P.M. Test Tool Length 32 ft. Tool Size 3 1/2 - IF in.

Jars: Make Bowen Serial Number No. 1 Anchor Length 46 ft. Size 4 1/2 - FH in.

Did Well Flow? Heavy mist 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. Off bottom of bucket in 30 secs. Very weak blow back during shut-in.

2nd Open: Strong blow. Off bottom of bucket immediately. No blow back during shut-in.

Recovered 420 ft. of gas in pipe

Recovered 32 ft. of drilling mud = .454400 bbls. (Grind out: 100%-drilling mud)

Recovered 32 ft. of TOTAL FLUID = .454400 bbls.

Recovered ft. of

Recovered ft. of

Remarks Tool Sample Grind Out: 100%-drilling mud

Time Set Packer(s) 1:00 ~~AM~~ P.M. Time Started Off Bottom 3:45 ~~AM~~ P.M. Maximum Temperature 118°

Initial Hydrostatic Pressure (A) 2098 P.S.I.

Initial Flow Period Minutes 30 (B) 15 P.S.I. to (C) 15 P.S.I.

Initial Closed In Period Minutes 30 (D) 239 P.S.I.

Final Flow Period Minutes 45 (E) 12 P.S.I. to (F) 16 P.S.I.

Final Closed In Period Minutes 60 (G) 382 P.S.I.

Final Hydrostatic Pressure (H) 2096 P.S.I.

L.B. EXPLORATION
DST #3 MISSISSIPPI 4,375' - 4,421'
Start Test Date: 2006/09/20
Final Test Date: 2006/09/20

99 SPRINGS #1
Formation: DST #3 MISSISSIPPI 4,375' - 4,421'
Pool: WILDCA

99 SPRINGS #1

