



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1206218
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: _____

1206218

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

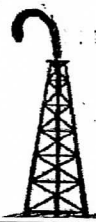
Date of First, Resumed Production, SWD or ENHR: _____ Producing Method: Flowing Pumping Gas Lift Other *(Explain)* _____

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

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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810 E 7TH
 PO Box 92
 EUREKA, KS 67045
 (620) 583-5561

Elite **COPY**
Cementing & Acidizing
of Kansas, LLC



Cement or Acid Field Report
 Ticket No. **1206**
 Foreman Kevin McCoy
 Camp EUREKA 620-437-6676

API # 15-015-24023

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
4-19-14	1034	BOWMAN #3	4	29S	3E	Butler	Ks
Customer			Unit #	Driver		Unit #	Driver
RANGE OIL Co., INC.			102	DAVE G.			
Mailing Address			112	RUDY M.			
9412 E. CENTRAL P.O. BOX 781775							
City	State	Zip Code					
Wichita	Ks	67278					

Job Type SURFACE Hole Depth 232' KG Slurry Vol. 30 BBL Tubing _____
 Casing Depth 213' G.L. Hole Size 12 1/4" Slurry Wt. 14.8* Drill Pipe _____
 Casing Size & Wt. 8 5/8" Cement Left in Casing 20' Water Gal/SK 6.5 Other _____
 Displacement 13.7 BBL Displacement PSI _____ Bump Plug to _____ BPM _____

Remarks: SAFETY Meeting: Rig up to 8 5/8 casing. BREAK circulation w/ 5 BBL fresh water. MIXED 125 SKS CLASS 'A' Cement w/ 3% CaCl2, 2% Gel, 1/4" Flo-Seal /SK @ 14.8*/gal = 30 BBL slurry. Shut down. Release Plug. Displace w/ 13.7 BBL fresh water. Shut casing in. Good cement returns to surface = 7 BBL slurry to pit. Job Complete. Rig down.

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C 101	1	Pump Charge	840.00	840.00
C 107	40	Mileage	3.95	158.00
C 200	125 SKS	CLASS 'A' Cement	15.00	1875.00
C 205	350 #	CaCl2 3%	.60	210.00
C 206	235 #	Gel 2%	1.20	47.00
C 209	25 #	Flo-Seal 1/4" #/SK	2.25	56.25
C 108 A	5.88 TONS	Ton Mileage	M/C	345.00
C 413	1	8 5/8 Wooden Plug	80.00	80.00
C 506	2	8 5/8 Centralizers	65.00	130.00
<u>THANK YOU</u>			<u>Sub Total</u>	<u>3741.25</u>
<u>6.4%</u>			<u>Sales Tax</u>	<u>153.49</u>
Authorization <u>DAC</u>	Title <u>Summit Drly Tool pusher</u>			<u>Total</u>
				<u>3894.74</u>

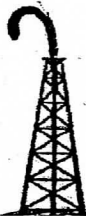
I agree to the payment terms and conditions of services provided on the back of this job ticket. Any amendments to payment terms must be in writing on the front of this job ticket or in the Customer's records at ELITE's office.

810 E 7TH
 PO Box 92
 EUREKA, KS 67045
 (620) 583-5561

Elite

COPY

**Cementing & Acidizing
 of Kansas, LLC**



Cement or Acid Field Report
 Ticket No. 1251
 Foreman Rick Leafald
 Camp Eureka, KS

API # 15-015-24023

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
4-28-14	1034	Bowman #3	4	29S	3E	Butler	Ks
Customer		Safety Meeting		Unit #	Driver	Unit #	Driver
Range Oil Company		PL		102	Chris B.		
Mailing Address		CB		113	Jhanna F		
		SF					
City	State	Zip Code					
Wichita	Ks	67278					

Job Type P.T.A new Hole Depth 3180' Slurry Vol. _____ Tubing _____
 Casing Depth _____ Hole Size 7 7/8" Slurry Wt. 14 # Drill Pipe 4"
 Casing Size & Wt. _____ Cement Left in Casing _____ Water Gal/SK 7.0 Other _____
 Displacement _____ Displacement PSI _____ Bump Plug to _____ BPM _____

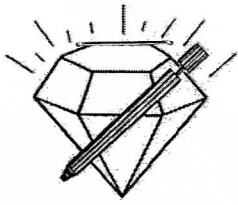
Remarks: Safety meeting- Rig up to drill pipe. Plugging orders as follows:

35 sks @ 3140'
35 sks @ 268'
25 sks @ 60'

"Thank You"

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C103	1	Pump Charge	1050.00	1050.00
C107	40	Mileage	3.95	158.00
C203	95 sks	608/40 Pozmix cement	12.75	1211.25
C206	325 #	400 gpi	.20	65.00
C108A	4.	tan mileage bulk 7/8"	m/c	345.00
			6.4%	
			Sales Tax	2829.25
				81.68
Authorization <u>Dan Cox</u> Title _____			Total	2910.93

I agree to the payment terms and conditions of services provided on the back of this job ticket. Any amendments to payment terms must be in writing on the front of this job ticket or in the Customer's records at ELITE's office.



DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
bowman3dst1

Company Range Oil Company, Inc. Lease & Well No. Bowman No. 3
Elevation 1325 KB Formation Upper Simpson Sand Effective Pay Ft. Ticket No. T340
Date 4-26-14 Sec. 4 Twp. 29S Range 3E County Butler State Kansas
Test Approved By Ken Wallace Diamond Representative Tim Venters

Formation Test No. 1 Interval Tested from 3,120 ft. to 3,145 ft. Total Depth 3,145 ft.
Packer Depth 3,115 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Packer Depth 3,120 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,106 ft. Recorder Number 8457 Cap. 10,000 psi.
Bottom Recorder Depth (Outside) 3,142 ft. Recorder Number 11029 Cap. 5,025 psi.
Below Straddle Recorder Depth ft. Recorder Number Cap. psi.

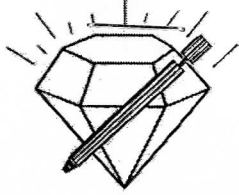
Drilling Contractor Summit Drilling Company - Rig 1 Drill Collar Length 315 ft I.D. 2 1/4 in.
Mud Type Chemical Viscosity 42 Weight Pipe Length ft I.D. in.
Weight 9.4 Water Loss 8.0 cc. Drill Pipe Length 2,777 ft I.D. 3 in.
Chlorides 1,000 P.P.M. Test Tool Length 28 ft Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number Not Run Anchor Length 25 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 3 1/2-XH in.

Blow: 1st Open: Very weak blow lasting 5 mins. No blow back during shut-in.
2nd Open: No blow. Flushed tool, received surge blow. No blow back during shut-in.

Recovered 2 ft. of slightly oil cut mud = .009840 bbls. (Grind out: 8%-oil; 92%-mud)
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of

Remarks Tool Sample Grind Out: 3%-oil; 97%-mud

Time Set Packer(s) 9:06 P.M. Time Started off Bottom 11:06 P.M. Maximum Temperature 101°
Initial Hydrostatic Pressure.....(A) 1526 P.S.I.
Initial Flow Period.....Minutes 30 (B) 4 P.S.I. to (C) 7 P.S.I.
Initial Closed In Period.....Minutes 30 (D) 801 P.S.I.
Final Flow Period.....Minutes 30 (E) 6 P.S.I. to (F) 9 P.S.I.
Final Closed In Period.....Minutes 30 (G) 752 P.S.I.
Final Hydrostatic Pressure.....(H) 1525 P.S.I.



DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
bowman3dst2

Company Range Oil Company, Inc. Lease & Well No. Bowman No. 3
Elevation 1325 KB Formation Middle Simpson Sand Effective Pay _____ Ft. Ticket No. T341
Date 4-27-14 Sec. 4 Twp. 29S Range 3E County Butler State Kansas
Test Approved By Ken Wallace Diamond Representative Tim Venters

Formation Test No. 2 Interval Tested from 3,120 ft. to 3,162 ft. Total Depth 3,162 ft.
Packer Depth 3,115 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 3,120 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 3,106 ft. Recorder Number 8457 Cap. 10,000 psi.
Bottom Recorder Depth (Outside) 3,159 ft. Recorder Number 11029 Cap. 5,025 psi.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ psi.

Drilling Contractor Summit Drilling Company - Rig 1 Drill Collar Length 315 ft. I.D. 2 1/4 in.
Mud Type Chemical Viscosity 51 Weight Pipe Length _____ ft. I.D. _____ in.
Weight 9.4 Water Loss 8.0 cc. Drill Pipe Length 2,777 ft. I.D. 3 in.
Chlorides 1,000 P.P.M. Test Tool Length 28 ft. Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number Not Run Anchor Length 42 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 3 1/2-XH in.

Blow: 1st Open: Weak, surface blow increasing to 8 ins. No blow back during shut-in.
2nd Open: Very weak, surface blow increasing to 11 1/4 ins. No blow back during shut-in.

Recovered 2 ft. of clean oil = .016340 bbls.
Recovered 10 ft. of slightly water & mud cut oil = .081700 bbls. (Grind out: 59%-oil; 12%-water; 29%-mud)
Recovered 190 ft. of slightly oil & water cut mud = .934800 bbls. (Grind out: 2%-oil; 31%-water; 67%-mud)
Recovered 125 ft. of slightly oil & heavy mud cut water = .615000 bbls. (Grind out: 1%-oil; 53%-water; 46%-mud) Chlorides: 18,000 Ppm PH: 7.5 RW: .45 @ 70°
Recovered 327 ft. of TOTAL FLUID = 1.647840 bbls.
Recovered _____ ft. of _____
Remarks Tool Sample Grind Out: Trace-oil; 19%-water; 81%-mud

Time Set Packer(s) 6:17 P.M. Time Started off Bottom 9:17 P.M. Maximum Temperature 104°
Initial Hydrostatic Pressure.....(A) 1485 P.S.I.
Initial Flow Period.....Minutes 30 (B) 13 P.S.I. to (C) 72 P.S.I.
Initial Closed In Period.....Minutes 30 (D) 937 P.S.I.
Final Flow Period.....Minutes 60 (E) 77 P.S.I. to (F) 153 P.S.I.
Final Closed In Period.....Minutes 60 (G) 925 P.S.I.
Final Hydrostatic Pressure.....(H) 1484 P.S.I.

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOGS

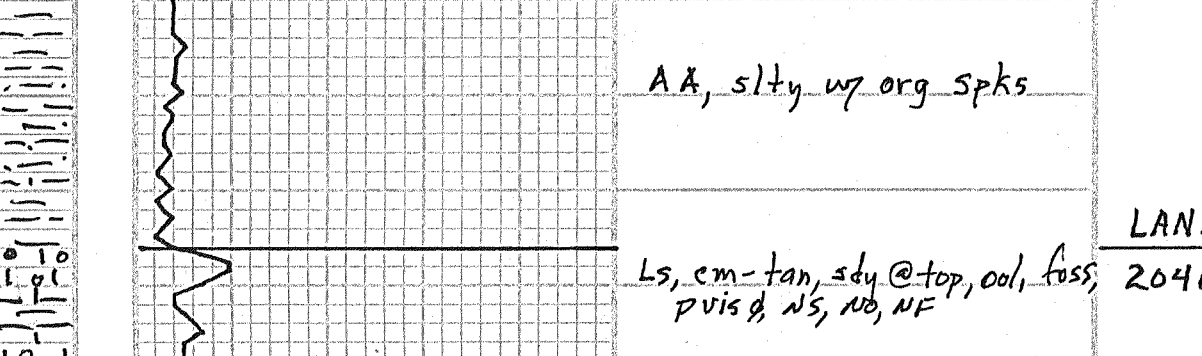
COMPANY Range Oil Company, Inc.
 LEASE Bowman #3
 FIELD 1596 F&L + 550' FWL SW/4
 LOCATION 1596 F&L + 550' FWL SW/4
 SEC 4 TWP 29 S R 5 E
 COUNTY Batter STATE KS
 CONTRACTOR Summit Drilling Rig #1
 SPUD 4/18/14 OOH 4/28/14
 PRODUCER None
 R/D 3180' LTD None ELECTRICAL SURVEYS
 MUD UP 1700' TYPE MUD Clayem
 SAMPLES SAVED FROM 2000' TO RTD
 DRILLING TIME KEPT FROM 2000' TO RTD
 SAMPLES EXAMINED FROM 2000' TO RTD
 GEOLOGICAL SUPERVISION FROM 2000' TO RTD
 GEOLOGIST ON WELL Ken Wallace

FORMATION TOPS	LOGS	SAMPLES
Lansing	2046 (-721)	
Kansas City	2398 (-1073)	
Miss A	2902 (-1577)	
Kinderhook	3060 (-1735)	
Upper Simp Sd	3170 (-1845)	
Lower Simp Sd	3174 (-1841)	
RTD	3180 (-1835)	

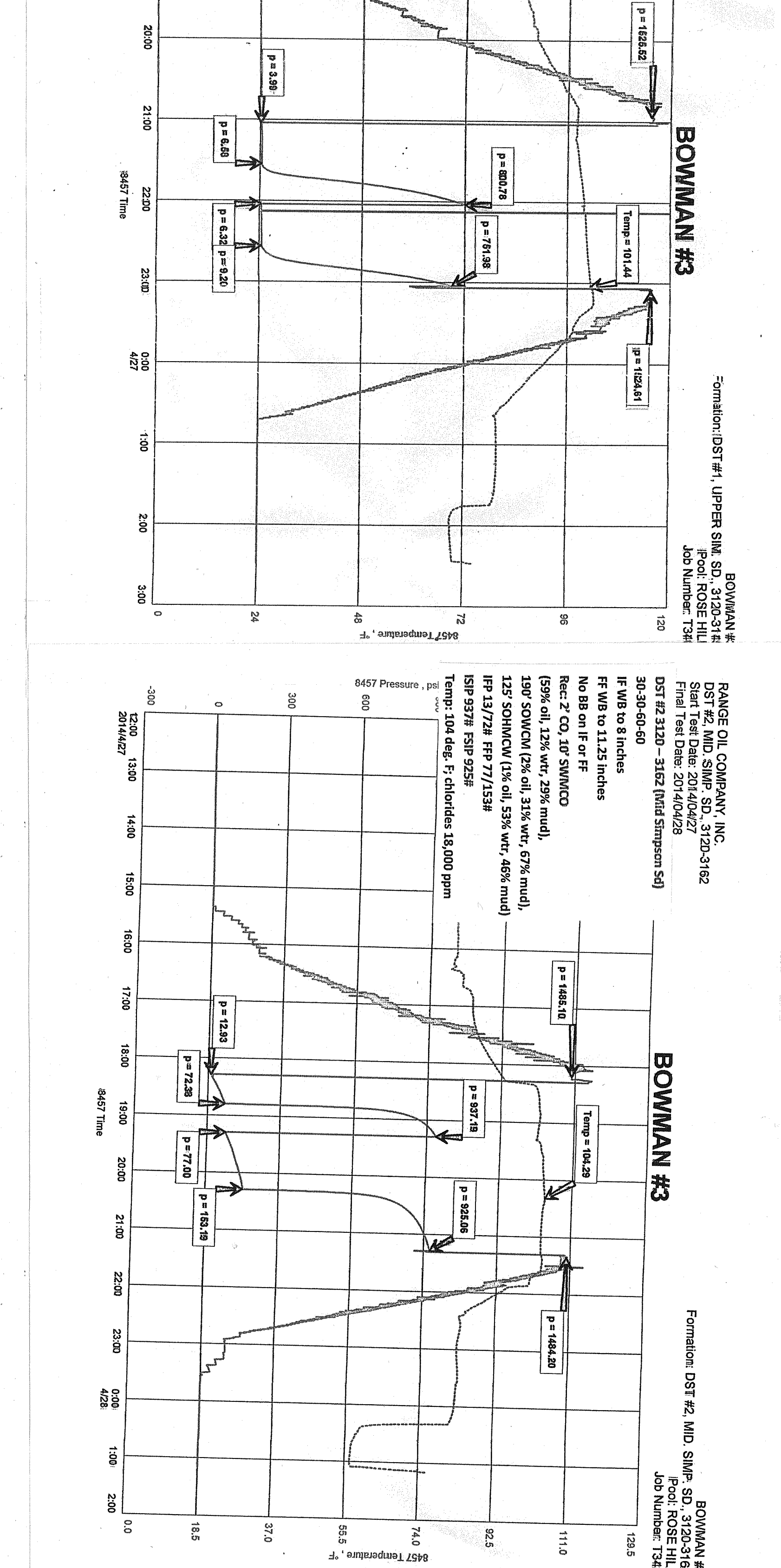
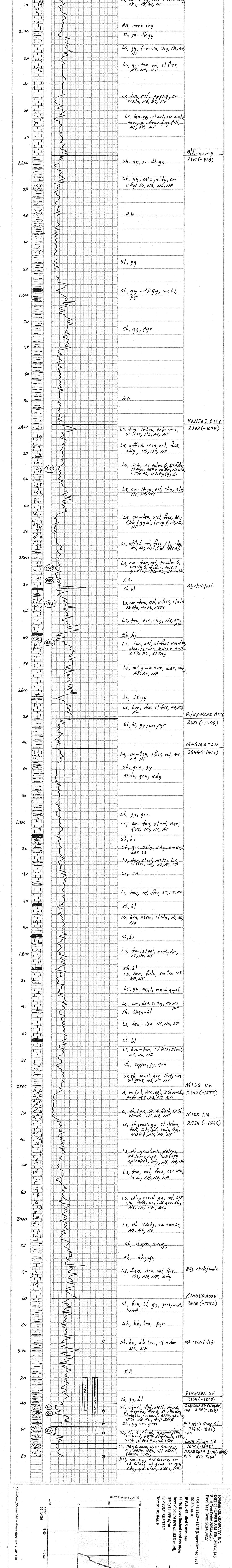
REMARKS
 Bowman #3 ran low to key well. Had 2 negative DSTs. Plugged & abandoned
 Ken Wallace

4/17/14 MIRT
 4/18/14 RIRT
 4/19/14 RTD 232', set 8 3/8" @ 230'; 1/2" @ 237'
 4/20/14 Drig @ 561'
 4/21/14 Drig @ 1253'; 1/4" @ 174'; 1/2" @ 177'
 4/22/14 Drig @ 1871'; 1/4" @ 168'; 1/2" @ 182'
 4/23/14 Drig @ 2324'; 1/4" @ 2182'
 4/24/14 Drig @ 2624'; 2 1/2" @ 2591'
 4/25/14 Drig @ 3000'; 1 1/2" @ 3031'
 4/26/14 PTD 3092'; Full trip - rig repairs
 4/27/14 Cur @ 3155'; Run DST #1 3120'-3145'
 4/28/14 RTD 3180'; Run DST #2 3120'-3162'
 P&A

LEGEND



SCALE 1" = 100'



FORMATION: DST #1, UPPER SIMP. SD. 3120-3116
 DST #2, MID SIMP. SD. 3120-3116
 Start Test Date: 2014/04/27
 Final Test Date: 2014/04/27
 Job Number: 1341

FORMATION: DST #2, MID SIMP. SD. 3120-3116
 DST #1, UPPER SIMP. SD. 3120-3116
 Start Test Date: 2014/04/27
 Final Test Date: 2014/04/27
 Job Number: 1341