



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1301543  
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: \_\_\_\_\_

1301543

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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	NORTON 4-28
Doc ID	1301543

Tops

Name	Top	Datum
ANHYDRITE	1596	+775
HEEBNER	3902	-1531
LANSING	3955	-1584
MARMATON	4340	-1969
FORT SCOTT	4496	-2125
CHEROKEE	4520	-2149
CHEROKEE SAND	4600	-2229
MISSISSIPPI	4623	-2252





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: Norton 4-28 Dst 1

TIME ON: 07:54  
TIME OFF: 17:30

Company LD Drilling Inc Lease & Well No. Norton 4-28  
Contractor L.D Drilling Inc Charge to L.D Drilling Inc  
Elevation 2371 Sur Formation Chero Sand Effective Pay \_\_\_\_\_ Ft. Ticket No. RR220  
Date March-5-2016 Sec. 28 Twp. 21 S Range 23 W County Hodgeman State KANSAS  
Test Approved By Kim Shoemaker Diamond Representative Ricky Ray

Formation Test No. 1 Interval Tested from 4536 ft. to 4604 ft. Total Depth 4604 ft.  
Packer Depth 4531 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 4536 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 4524 ft. Recorder Number 0062 Cap. 5000 P.S.I.  
Bottom Recorder Depth (Outside) 4574 ft. Recorder Number 5954 Cap. 5000 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type Chem Viscosity 40 Drill Collar Length \_\_\_\_\_ ft. I.D. 2 1/4 in.  
Weight 9 Water Loss 10.4 cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
Chlorides 6100 P.P.M. Drill Pipe Length 4504 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number 12 Test Tool Length 32 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? na Reversed Out NA Anchor Length 68A (36P) ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 xh in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: 1/4" Blow (BOB in 16:49 mins) NOBB  
2nd Open: 1/4" Blow (BOB in 17 mins) NOBB

Recovered <u>481</u> ft. of HWM	<u>45%</u> W	<u>55%</u> M	
Recovered <u>124</u> ft. of HWM	<u>80%</u> W	<u>20%</u> M	
Recovered <u>605</u> ft. of Total Fluid			PH: <u>7</u>
Recovered _____ ft. of _____			chlorides: <u>36,000</u> PPM
Recovered _____ ft. of _____			RW .22 @ 65 Deg
Recovered _____ ft. of _____			Price Job
Remarks: Tool Sample: <u>95% W</u>	<u>5% M</u>		Other Charges
			Insurance
			Total

Time Set Packer(s) 11:20 AM A.M. P.M. Time Started Off Bottom 2:20 PM A.M. P.M. Maximum Temperature 132

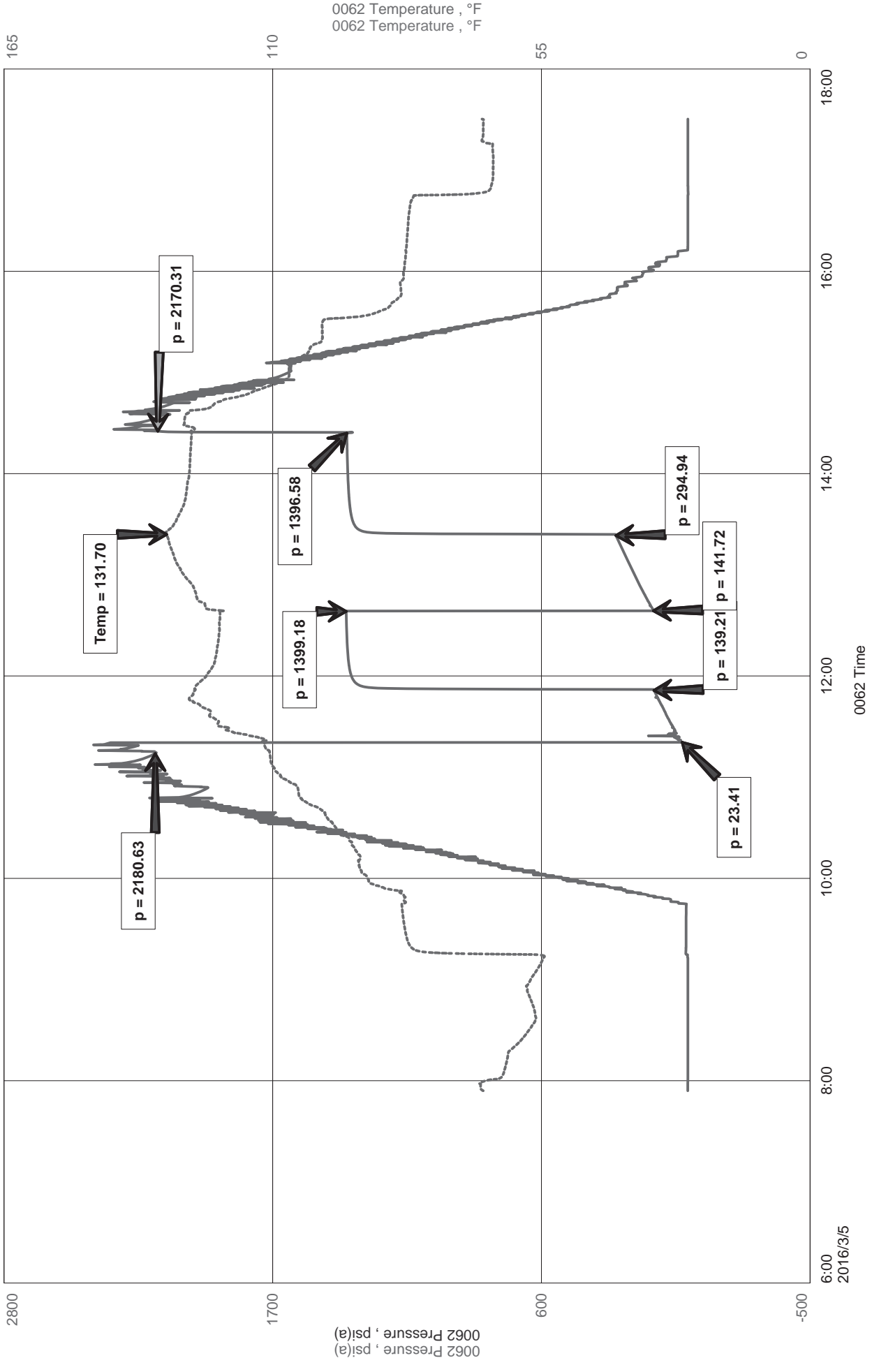
Initial Hydrostatic Pressure..... (A) 2181 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 232 P.S.I. to (C) 139 P.S.I.  
Initial Closed In Period..... Minutes 45 (D) 1399 P.S.I.  
Final Flow Period..... Minutes 45 (E) 142 P.S.I. to (F) 295 P.S.I.  
Final Closed In Period..... Minutes 60 (G) 1397 P.S.I.  
Final Hydrostatic Pressure..... (H) 2170 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

L.D Drilling Inc  
Dst 1 Chero Sand (4536-4604)  
Start Test Date: 2015/03/05  
Final Test Date: 2015/03/05

Norton 4-28  
Formation: Dst 1 Chero Sand (4536-4604)  
Pool: infield  
Job Number: RR220

# Norton 4-28





Diamond Testing LLC  
 P.O. Box 157  
 Hoisington KS 67544

**Ricky Ray - Tester**  
**(620) 617-7261**

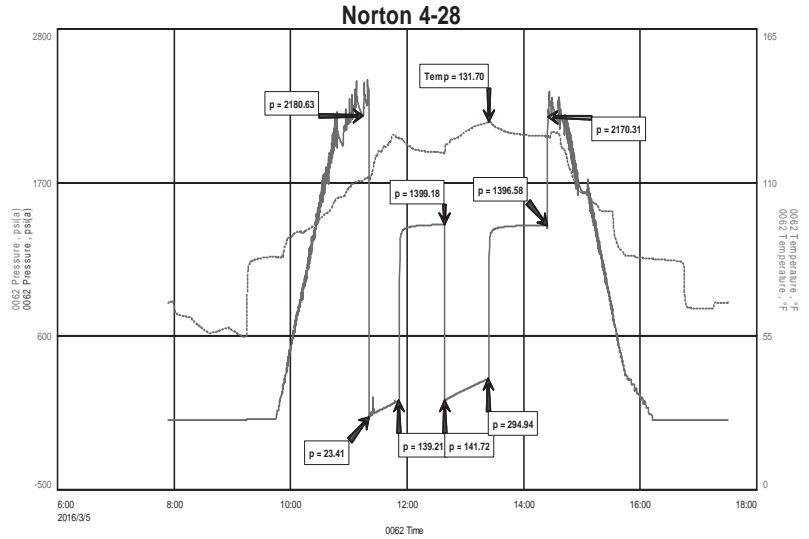
# Wellsite Report

## General Information

Company Name	L.D Drilling Inc
Contact	L.D Davis
Well Operator	L.D Drilling Inc
Well Name	Norton 4-28
Surface Location	Sec: 28-21s-23w (Hodgeman County)
Field	Bamberger
Well Type	Vertical
Pool	infield
Test Purpose (AEUB)	Initial Test
Qualified By	Kim Shoemaker
Gauge Name	0062

## Test Information

Job Number	RR220
Test Type	Drill Stem Test
Well Fluid Type	01 Oil
Formation	Dst 1 Chero Sand (4536-4604)
Start Test Date	2015/03/05 YYYY/MM/DD
Start Test Time	07:54:00 HH:mm:ss
Final Test Date	2015/03/05 YYYY/MM/DD
Final Test Time	17:30:00 HH:mm:ss



## Test Results

### Recovery:

481'	HWM	45% W	55% M
124'	HWM	80% W	20% M
605'	Total Fluid		

Tool Sample:            95% W            5% M

PH: 7  
 Chlorides: 36,000 PPM  
 RW .22 @ 65 Deg



# KIM B. SHOEMAKER

CONSULTING GEOLOGIST

316-684-9709 \* WICHITA, KS

## GEOLOGIST'S REPORT

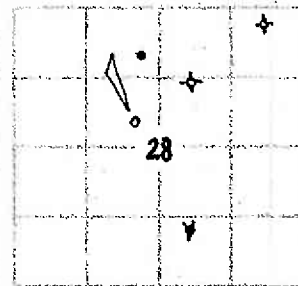
DRILLING TIME AND SAMPLE LOG

COMPANY L. D. DRILLING, INC.  
 LEASE \* 4-28 NORTON  
 FIELD BAMBERGER  
 LOCATION 2137' ENL 2219' EWL  
 SEC 28 TWP 21s RGE 23w  
 COUNTY HODGEMAN STATE KANSAS  
 CONTRACTOR L. D. DRILLING, INC.  
 SPUD 2-26-16 COMP 3-6-16  
 RTD 4700 LTD 4701  
 MUD UP 3406 TYPE MUD CHEMICAL

ELEVATIONS  
 KB 2371  
 DF \_\_\_\_\_  
 GI 2366  
 Measurements Are All  
 From 2371 KB  
 CASING  
 SURFACE 8 5/8" @ 305'  
 PRODUCTION \_\_\_\_\_  
 ELECTRICAL SURVEYS  
 DUAL IND., DENS-W, MIRD

SAMPLES SAVED FROM 3700 TO 4700  
 DRILLING TIME KEPT FROM 3500 TO 4700  
 SAMPLES EXAMINED FROM 3700 TO 4700  
 GEOLOGICAL SUPERVISION FROM 3990 TO 4700  
 GEOLOGIST ON WELL KIM B. SHOEMAKER

FORMATION TOPS	LOG	SAMPLES
ANHYDRITE	1596 + 775	1598 + 773
HEEBNER	3902 - 1531	3902 - 1531
LANSING	3955 - 1584	3956 - 1585
MARMATON	4340 - 1969	4338 - 1967
FORT SCOTT	4496 - 2125	4495 - 2124
CHEROKEE	4520 - 2149	4520 - 2149
CHEROKEE SAND	4600 - 2229	4598 - 2227
MISSISSIPPI	4623 - 2252	4624 - 2253



REMARKS

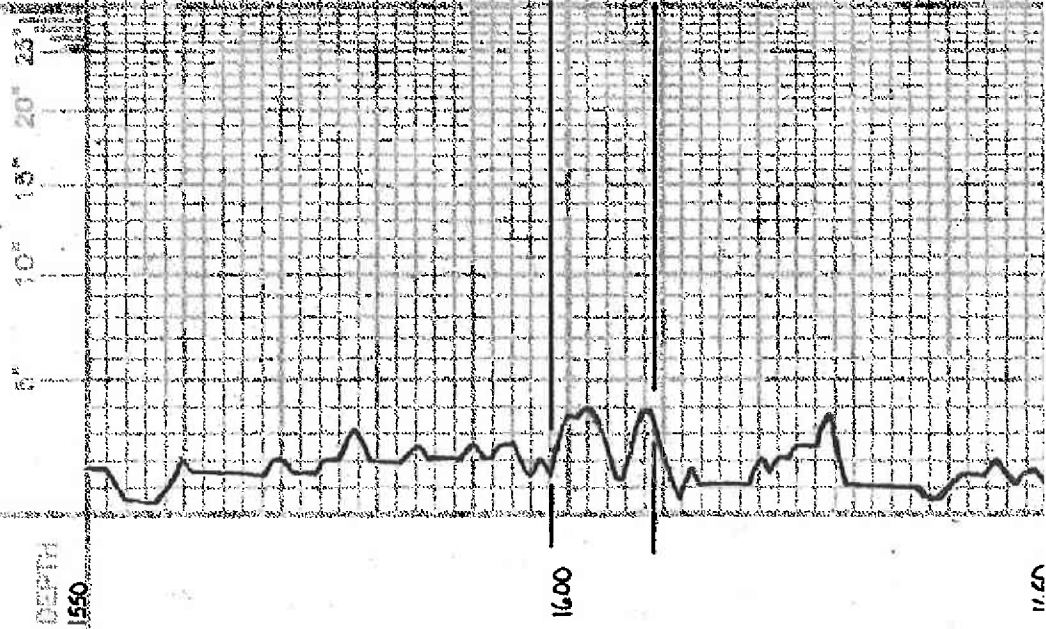
2-26-16 SPUD  
 2-27 @ 308'  
 2-28 @ 1515'  
 2-29 @ 2390'  
 3-1 @ 2920'  
 3-2 @ 3450'  
 3-3 @ 4000'  
 3-4 @ 4493'  
 3-5 @ 4604'  
 3-6 @ 4700'

API: 15-083-2023

### LEGEND

- Anhydrite
- Salt
- Sandstone
- Shale
- Carb sh
- Limestone
- Cool Lime
- Chert
- Dolomite

DRILLING TIME IN MINUTES  
 PER FOOT  
 Rate of Penetration Increases



LITHOLOGY

SAMPLE DESCRIPTIONS

REMARKS

ANHYDRITE 1598 + 773

S-L ANH. 1609 + 762



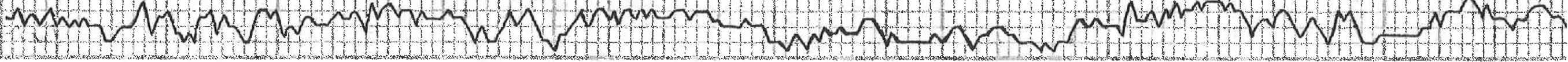
1650

3500

3600

3700

Mod. 013412  
V15 58  
NATL R 7  
V16 6.8  
CAL 3700



Samples are Lagged

Sh. Def. 0.001

Sh. L10000.001

ES. 01. Sh. Foss. S1A

ES. 01. Sh. Foss. S1C. Ch1

ES. 01. Sh. Foss. S1A

ES. 01. Sh. Foss. S1C. Ch1

Sh. Def. 0.001

4.4

ES. 01. Sh. Foss. S1A



3800

3900

4000

4100

ES. wt. Pass - dol.

ES. To G. St. Pass.

ES. wt. For. Olivite

ES. wt. For. For. Olivite

ES. To H. For. St. Pass.

ES. To wt. For. Olivite

HEEBNER 3902-1531

Sh. 814, 815

Sh. 814, 815

ES. To wt. For. St. Pass.

ES. wt. For. Olivite

Sh. 814, 815

Sh. 814, 815

LANSING 3956-1585

ES. To wt. For. Olivite

Sh. 814, 815

ES. wt. For. Olivite

Sh. 814, 815

ES. wt. For. Olivite

Sh. 814, 815

Sh. 814, 815

ES. wt. For. Olivite

ES. wt. For. Olivite

Sh. 814, 815

Sh. 814, 815

ES. wt. For. Olivite

ES. wt. For. Olivite

Sh. 814, 815

ES. wt. For. Olivite

ES. wt. For. Olivite

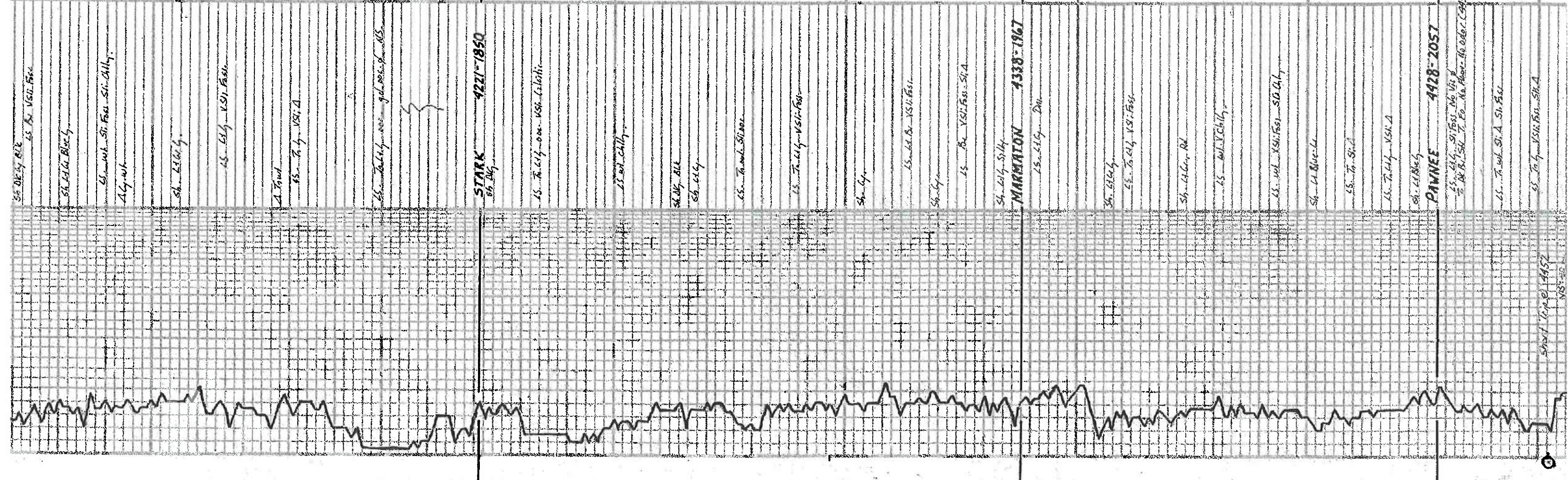
wt. 50

wt. 9.75

wt. 8.8

wt. 7.300





4200

4300

4400

Sh. clay. R.L.  
Ls. Br. V.S.I. Fss.

Sh. clay. Blue G.

Ls. wt. St. Fss. Sh. clay.

Arg. wt.

Sh. clay.

Ls. clay - V.S.I. Fss.

Thin

Ls. Br. V.S.I. A

Ls. clay. nec. g. r. s. d. R.S.

**STARK** 4221-1850  
Sh. clay

Ls. Br. clay - nec. V.S.I. G. r. s. d.

Ls. wt. clay

Sh. clay. R.L.

Sh. clay

Ls. F. wt. St. Fss.

Ls. F. clay - V.S.I. Fss.

Sh. clay

Ls. Br. St. Fss.

Sh. clay

Ls. Br. V.S.I. Fss. Sh. A

Sh. clay. Sh. clay

**MARMATON** 4338-1867

Ls. clay. Dm

Sh. clay

Ls. Br. clay - V.S.I. Fss.

Sh. clay. Rd.

Ls. wt. V. clay

Ls. wt. V.S.I. Fss. - Sh. clay

Sh. clay. L.

Ls. Br. St. A

Ls. Br. clay - V.S.I. A

Sh. clay

**PAVNEE** 4428-2057

Ls. clay. St. Fss. No. V.S.I. Fss. (C. 1950 comp.)

Ls. Br. wt. St. A. Sh. Fss.

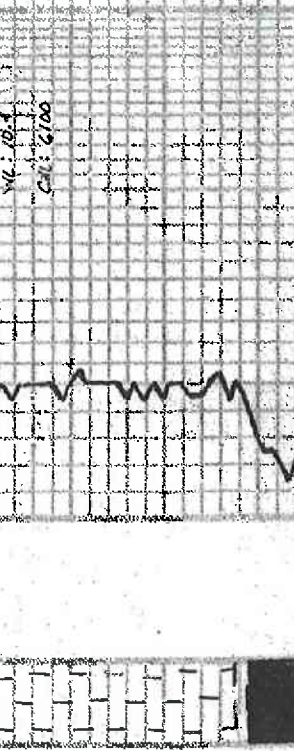
Ls. Br. wt. V.S.I. Fss. Sh. A

Short Temp. 4457  
V.S.I. 50

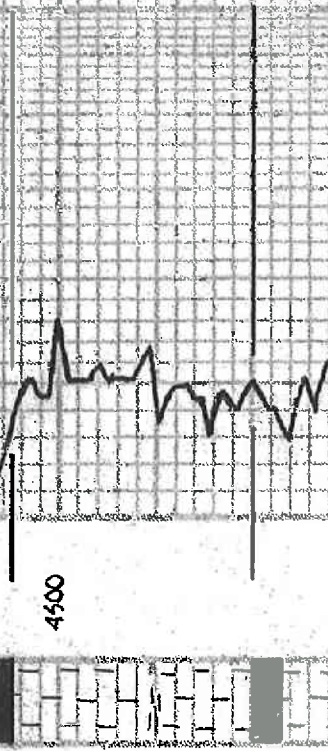


MC 10.3  
CAL: 2700

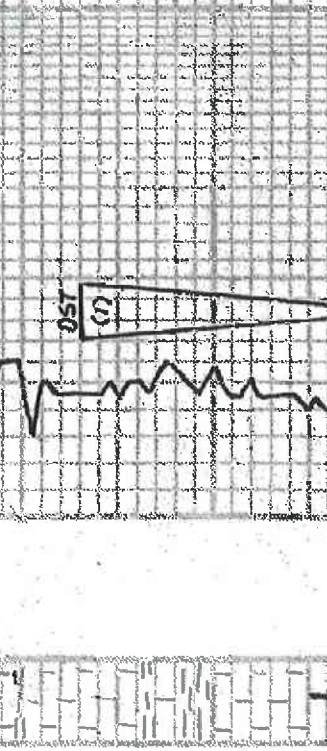
LS. g. blk. silty  
Sh. dk. blk.  
Sh. blk. carb.  
Fort Scott 4495-2124  
Bound and ground calcite



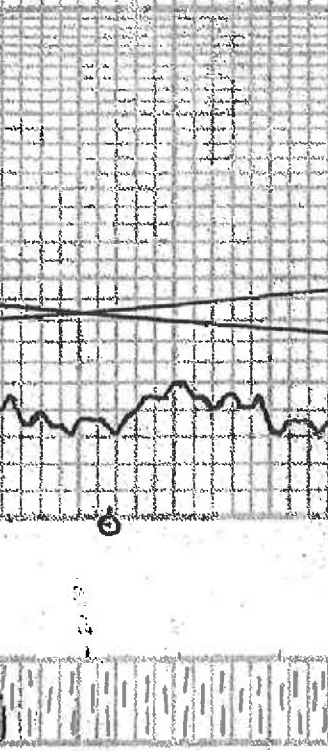
LS. blk. carb.  
Cherokee 4520-2199  
LS. to 5000'. Sh. 2'  
LS. Tan. Silty Sh. Calcite  
Sh. dk.



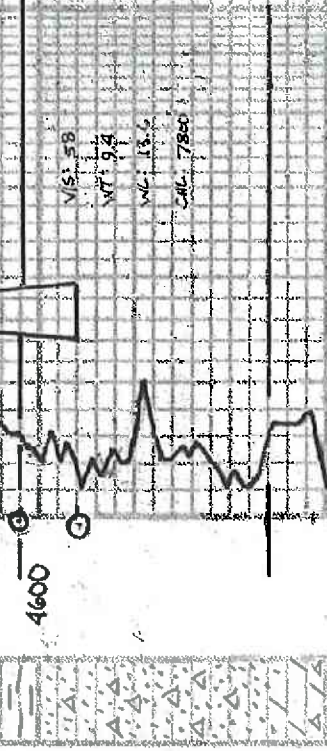
Sh. dk. Yellow. Silty  
Sh. dk. Yellow. Silty  
Sh. dk. Blue. G. Silty Purple  
Cherokee Sand 4598  
4 1/2' Fresh Ch.  
Sh. Clay. M. G. - 1/2" to 1/4" Sand Bl. F. Tan. B.  
Bl. Silty Sh. ESP. No. Floor. Fossiliferous  
W. T. Green. S. A. Frags



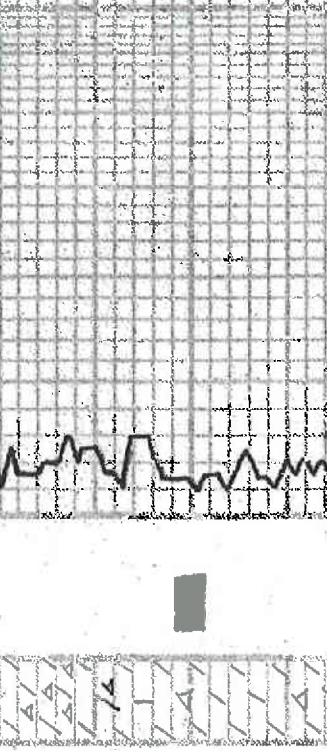
4 1/2' Fresh Ch.  
Sh. Clay. M. G. - 1/2" to 1/4" Sand Bl. F. Tan. B.  
Bl. Silty Sh. ESP. No. Floor. Fossiliferous  
W. T. Green. S. A. Frags  
A. wh. Fresh Ch. Silty. Bl. G. Silty  
A. wh. Silty ESP. No. Floor. F. Diver.



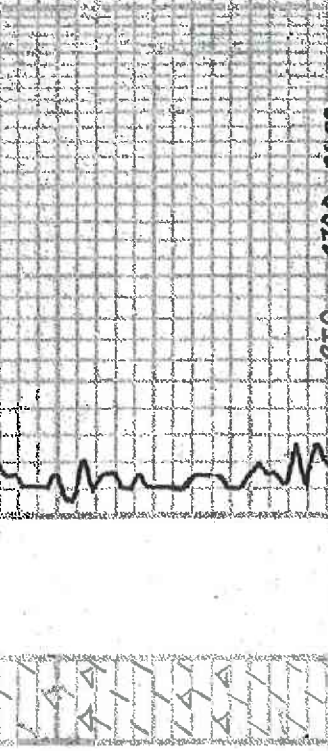
MSISSIPPI 4624-2253  
Dol. wh. Carb. V. Fr. sh. Silty  
A. wh. Silty Fresh Ch. L.



Dol. wh. V. Fr. sh. Silty  
A. wh.



Dol. wh. V. Fr. sh. Silty  
A. wh.

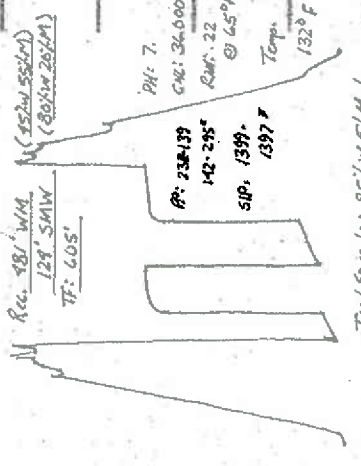


Dol. wh. V. Fr. sh. Silty  
A. wh.



DST (1) 4536-4604

15' open - Bottom bucket 16' in 19 sec.  
24' open " " 17  
30' 45" 45-60



Tool Sample: 95' W S/Mud

4500

4600

4700

RTD 4700-2329







Customer 170 Drilling inc	Lease No.	Date 3-6-16
Lease NORTHON	Well # H-28	
Field Order # 13022	Station PIATR	Casing
		Depth 4700
Type Job COW plug to abandon	Formation	County Hogeman
		State KS
		Legal Description 28-21-23

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size	Tubing Size	Shots/Ft		Actd 230 SK	60/40 POZ	RATE	PRESS
Depth 4700	Depth	From	To	Pre Pad 400 SK	Max 25 lbs SK	C.F.	5 Min.
Volume	Volume	From	To	Pad	Min		10 Min.
Max Press 300	Max Press	From	To	Frac	Avg		15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth 1620	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative L.D. Davis	Station Manager Kevin Giuliv	Treater Mike Mattal
---------------------------------------	---------------------------------	------------------------

Service Units 37586	19843	21016
Driver Names Mattal	McGraw	McGraw

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
12:10					ON LOCATION / Safety Meeting
					1st Plug @ 1620'
1:38	150	150	15	4.5	Pump 15 bbl water
1:42	150	150	12	4.5	Mix 50 SKs 60/40 POZ @ 13.78 PPg
1:44	100	100	5	4	Pump 5 bbl water
1:46	50	50	14	4	Pump 14 bbl mud
					2nd Plug @ 750'
2:27	150	150	10	5	Pump 10 bbl water
2:30	100	100	20	4	Mix 80 SKs 60/40 POZ @ 13.78 PPg
2:44	50	50	3	4	Pump 3 bbl water
2:45	50	50	5	4	Pump 5 bbl mud
					3rd Plug @ 330'
2:55	100	100	5	5	Pump 5 bbl water
2:56	50	50	12	5	Mix 50 SKs 60/40 POZ @ 13.78 PPg
2:59	50	50	1	4	Pump 1 bbl water
					4th Plug @ 60' w/ wooden plug
4:18	100	100	5	3	Mix 20 SKs 60/40 POZ @ 13.78 PPg
					CMT TO SURFACE
4:22			7		Plug RATHOLE
					JOB COMPLETE
					THANK YOU!
					Mike Mattal Mike + E.J.



Customer <i>K.D. Drilling</i>	Lease No.	Date <i>02-27-16</i>			
Lease <i>NORTON</i>	Well # <i>#-25</i>				
Field Order # <i>12936</i>	Station <i>PRATT KS</i>	Casing <i>8 5/8</i>	Depth <i>301</i>	County <i>HOOVERMAN</i>	State <i>KS</i>
Type Job <i>COW 8 5/8 Inflow</i>	Formation	Legal Description <i>28-21-23</i>			

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
<i>8 5/8</i>							5 Min.	
Depth <i>297</i>	Depth	From	To	Pre Pad	Max			
Volume <i>18</i>	Volume	From	To	Pad	Min		10 Min.	
Max Press <i>300</i>	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection <i>2 1/2</i>	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth <i>282</i>	Packer Depth	From	To	Flush	Gas Volume		Total Load	

Customer Representative	Station Manager <i>DAVE SCOTT</i>	Treater <i>Robert [Signature]</i>
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Service Units <i>37900</i>	<i>24463</i>	<i>19959</i>	<i>21010</i>						
Driver Names <i>Sullivan</i>	<i>reppaw</i>	<i>Shanley</i>							

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>10:00</i>					<i>on loc</i>
					<i>CASING ON BOTTOM</i>
					<i>Hook 14 circ</i>
<i>12:09</i>			<i>3</i>	<i>4.5</i>	<i>8-SPACER</i>
	<i>250</i>		<i>64</i>		<i>mid cont 300sk 60/40pcr 3%cc</i>
					<i>cont mixed</i>
					<i>8-Strip</i>
<i>12:45</i>			<i>18</i>		<i>plug down</i>
					<i>circ 10 BBL cont pit</i>
					<i>JOB Complete</i>
					<i>Thankyou</i>