



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1241823
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
-----------------------------------	-----------------	---

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: _____



1241823

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR. _____	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
---	--

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	L. D. Drilling, Inc.
Well Name	VMD 2-3
Doc ID	1241823

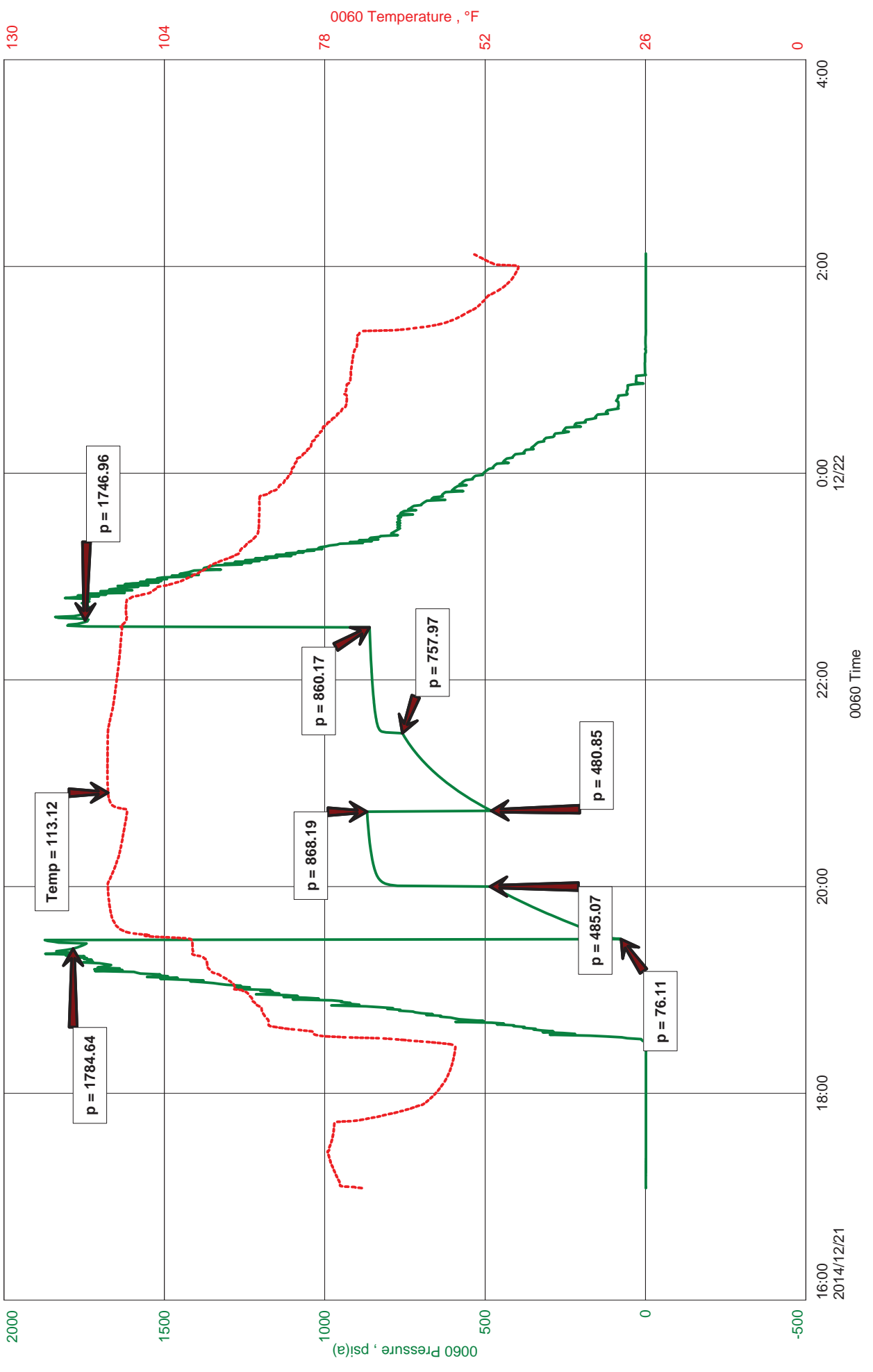
Tops

Name	Top	Datum
ANHYDRITE	840	+1101
HEEBNER	3308	-1367
BROWN LIME	3430	-1489
LANSING	3440	-1499
BASE KANSAS	3662	-1721
VIOLA	3713	-1772
SIMPSON	3751	-1810
ARBUCKLE	3805	-1864

VMD #2-3
 Formation: DST #1 3615 - 3660 LKC - "K - L"
 Pool: WILDCAT
 Job Number: JB18

L.D DRILLING. INC
 DST #1 3615 - 3660 LKC - "K - L"
 Start Test Date: 2014/12/21
 Final Test Date: 2014/12/22

VMD #2-3





Hoisington, Kansas

JEFF BROWN
620-617-6373
brown.dtlc@gmail.com

General Information

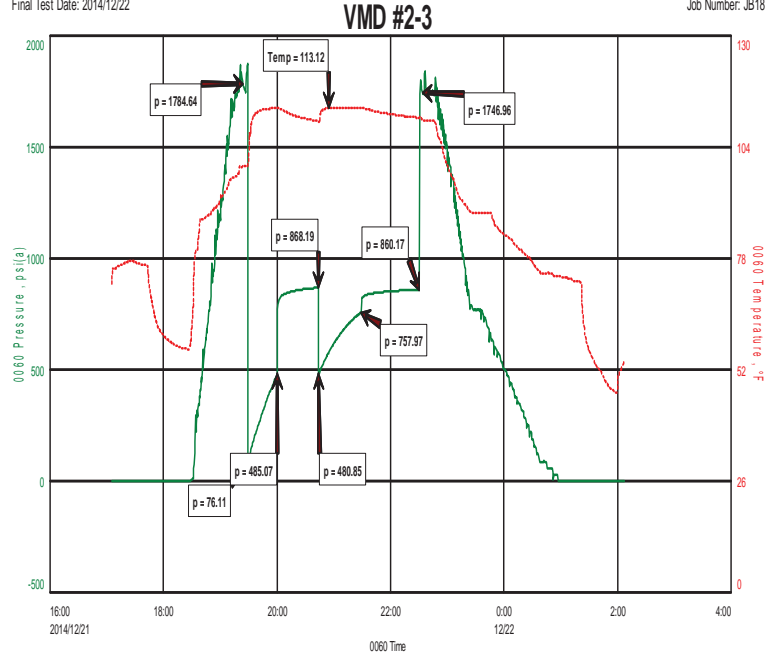
Company Name L.D DRILLING. INC

Test Information

Contact
Well Name
Unique Well ID
Surface Location
Field
Well Operator
Test Type
Formation
Well Fluid Type
Test Purpose (AEUB)
Start Test Date
Start Test Time
Final Test Date
Final Test Time
Job Number
Representative
Prepared By
Report Date

L.D. DAVIS
VMD #2-3
DST #1 3615 - 3660 LKC - "K - L"
SEC- 3-22S-14W STAFFORD, CNTY, KS
WILDCAT
L.D DRILLING. INC
Drill Stem Test
DST #1 3615 - 3660 LKC - "K - L"
01 Oil
Initial Test
2014/12/21
17:05:00
2014/12/22
02:08:00
JB18
JEFF BROWN
JEFF BROWN
2014/12/21

L.D DRILLING. INC
DST #1 3615 - 3660 LKC - "K - L"
Start Test Date: 2014/12/21
Final Test Date: 2014/12/22
VMD #2-3
Formation: DST #1 3615 - 3660 LKC - "K - L"
Pool: WILDCAT
Job Number: JB18



FLUID RECOVERY

RECOVERY; 189' WM 20%W 80%M
1449' WATER

TOOL SAMPLE; WM 20%W 80%M



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: VMD #2-3 DST1

TIME ON: 17:04
TIME OFF: 2:08

Company L.D DRILLING. INC Lease & Well No. VMD #2-3
Contractor PETROMARK RIG #2 Charge to L.D DRILLING. LLC
Elevation 1941 KB Formation LKC- "K-L" Effective Pay _____ Ft. Ticket No. JB18
Date 12-21-14 Sec. 3 Twp. 22 S Range 14 W County STAFFORD State KANSAS
Test Approved By KIM SHOEMAKER Diamond Representative JEFF BROWN

Formation Test No. 1 Interval Tested from 3615 ft. to 3660 ft. Total Depth 3660 ft.
Packer Depth 3610 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3615 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 3601 ft. Recorder Number 0060 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 3620 ft. Recorder Number 5517 Cap. 5000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 49 Drill Collar Length 123 ft. I.D. 2 1/4 in.
Weight 9.6 Water Loss 10.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 5000 P.P.M. Drill Pipe Length 3465 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number N/A Test Tool Length 27 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 45 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: STRONG BLOW BOB IN 3 MIN (2" bb)
2nd Open: STRONG BLOW BOB IN 3 MIN (NObb)

Recovered 189 ft. of WM 20%W 80%M
Recovered 1449 ft. of WATER
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>TOTAL FLUID;1638' OF TOTAL FLUID</u>	Insurance
TOOL SAMPLE: <u>WM 20%W 80%M</u>	Total

Time Set Packer(s) 7:28 P.M A.M. P.M. Time Started Off Bottom 10:28 P.M A.M. P.M. Maximum Temperature 113

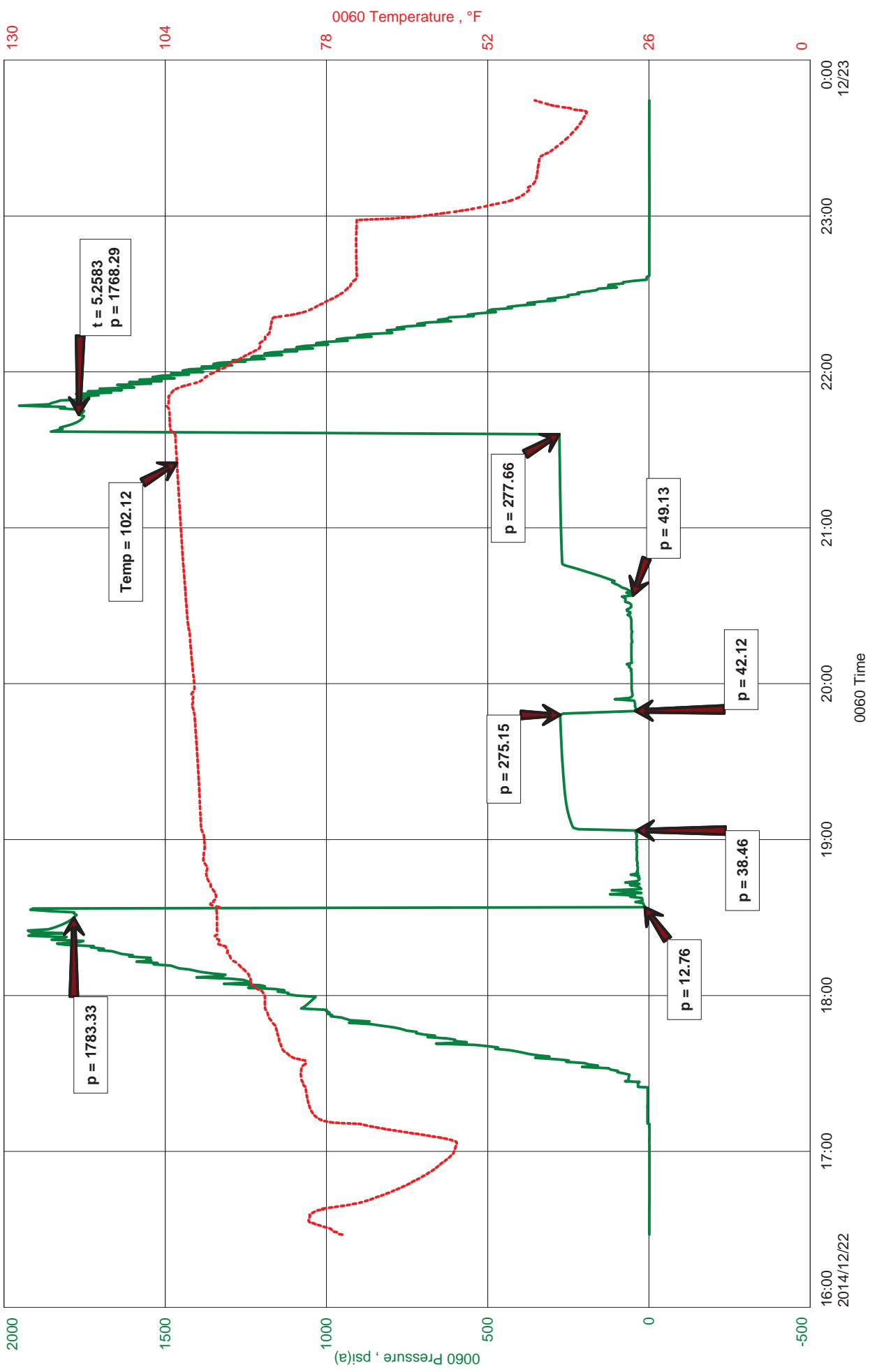
Initial Hydrostatic Pressure..... (A) 1785 P.S.I.
Initial Flow Period..... Minutes 30 (B) 76 P.S.I. to (C) 485 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 868 P.S.I.
Final Flow Period..... Minutes 45 (E) 481 P.S.I. to (F) 758 P.S.I.
Final Closed In Period..... Minutes 60 (G) 860 P.S.I.
Final Hydrostatic Pressure..... (H) 1747 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 2 SIMPSON SAND 3742 - 3785
Start Test Date: 2014/12/22
Final Test Date: 2014/12/22

VMD #2-3
Formation: DST 2 SIMPSON SAND 3742 - 3785
Pool: WILDCAT
Job Number: JB19

VMD #2-3





Hoisington, Kansas

JEFF BROWN
620-617-6373
brown.dtlc@gmail.com

General Information

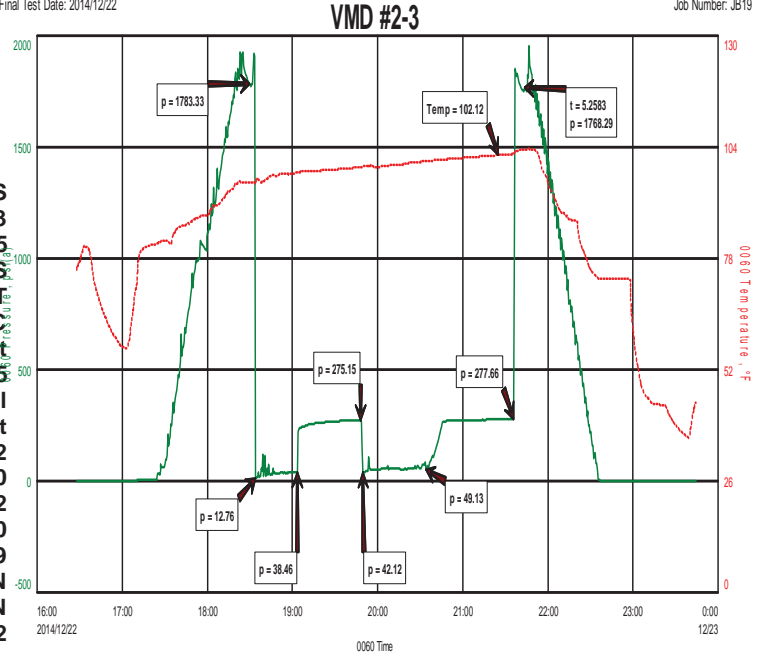
Company Name L.D DRILLING, INC

Test Information

Contact
Well Name
Unique Well ID
Surface Location
Field
Well Operator
Test Type
Formation
Well Fluid Type
Test Purpose (AEUB)
Start Test Date
Start Test Time
Final Test Date
Final Test Time
Job Number
Representative
Prepared By
Report Date

L.D DAVIS
VMD #2-3
DST 2 SIMPSON SAND 3742 - 3785
SERC- 3-22S-14W STAFFORD, CNTY, KS
WILDCAT
L.D DRILLING, INC
Drill Stem Test
DST 2 SIMPSON SAND 3742 - 3785
01 Oil
Initial Test
2014/12/22
16:28:00
Final Test Date
2014/12/22
23:45:00
Job Number
JB19
JEFFBROWN
JEFF BROWN
2014/12/22

L.D DRILLING, INC
 DST 2 SIMPSON SAND 3742 - 3785
 Start Test Date: 2014/12/22
 Final Test Date: 2014/12/22
 VMD #2-3
 Formation: DST 2 SIMPSON SAND 3742 - 3785
 Pool: WILDCAT
 Job Number: JB19



FLUID RECOVERY

RECOVERY; 73' OF 100% MUD

TOOL SAMPLE 100%MUD



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: VMD #2-3 DST2

TIME ON: 16:28
TIME OFF: 23:45

Company L.D DRILLING. INC Lease & Well No. VMD #2-3
Contractor PETROMARK RIG #2 Charge to L.D DRILLING. LLC
Elevation 1941 KB Formation SIMPSON SAND Effective Pay _____ Ft. Ticket No. JB19
Date 12-21-14 Sec. 3 Twp. 22 S Range 14 W County STAFFORD State KANSAS
Test Approved By KIM SHOEMAKER Diamond Representative JEFF BROWN

Formation Test No. 2 Interval Tested from 3742 ft. to 3785 ft. Total Depth 3785 ft.
Packer Depth 3737 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3742 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3723 ft. Recorder Number 0060 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 3747 ft. Recorder Number 5517 Cap. 5000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 56 Drill Collar Length 123 ft. I.D. 2 1/4 in.
Weight 9.5 Water Loss 11 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 6000 P.P.M. Drill Pipe Length 3587 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 11 Test Tool Length 32 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 43 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: WEAK BLOW BUILT TO 2 IN (NObb)
2nd Open: WEAK SURFACE BLOW (NObb)

Recovered <u>73</u> ft. of MUD	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>TOTAL FLUID; 73' OF TOTAL FLUID</u>	Insurance
TOOL SAMPLE: MUD 100% MUD	Total

Time Set Packer(s) 6:34 P.M A.M. P.M. Time Started Off Bottom 9:34 P.M A.M. P.M. Maximum Temperature 102
Initial Hydrostatic Pressure..... (A) 1783 P.S.I.
Initial Flow Period..... Minutes 30 (B) 13 P.S.I. to (C) 38 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 275 P.S.I.
Final Flow Period..... Minutes 45 (E) 42 P.S.I. to (F) 49 P.S.I.
Final Closed In Period..... Minutes 60 (G) 278 P.S.I.
Final Hydrostatic Pressure..... (H) 1768 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.

KIM B. SHOEMAKER

CONSULTING GEOLOGIST

316-684-9709 * WICHITA, KS

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY L. D. DRILLING, INC.

LEASE # 2-3 VMD

FIELD OMLOR

LOCATION 2100' FSL & 2310' FWL

SEC 3 TWP 22s RGE 14w

COUNTY STAFFORD STATE KANSAS

CONTRACTOR PETROMARK DRILLING RIG 2

SPVD 12-16-14 COMP 12- -14

RTD 3890 LTD 3893

MUD UP 2640 TYPE MUD CHEMICAL

ELEVATIONS

KB 1941

DF _____

GL 1936

Measurements Are All From 1941 KB

CASING

SURFACE 8 5/8" @ 885

PRODUCTION 4 1/2" @

ELECTRICAL SURVEYS
DUAL IND., DENS-N.
MICRO

SAMPLES SAVED FROM 3200 TO 3890

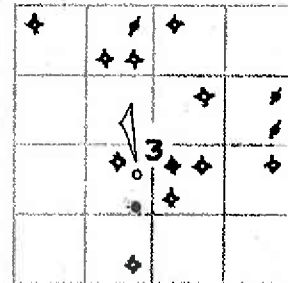
DRILLING TIME KEPT FROM 3000 TO 3890

SAMPLES EXAMINED FROM 3200 TO 3890

GEOLOGICAL SUPERVISION FROM 3400 TO 3890

GEOLOGIST ON WELL KIM B. SHOEMAKER

FORMATION TOPS	LOG	SAMPLES
ANHYDRITE	840-1101	837+1104
HEEBNER	3308-1367	3306-1365
BROWN LIME	3430-1489	3428-1487
LANSING	3440-1499	3437-1496
B/KC	3662-1721	3662-1721
VIOLA	3713-1772	3712-1771
SIMPSON	3751-1810	3749-1808
ARBUCKLE	3805-1864	3802-1861



REMARKS

12-16-14 SPVD
12-17 @ 889'
12-18 @ 1390'
12-19 @ 2327'
12-20 @ 2485'
12-21 @ 3590'
12-22 @ 3690'
12-23 @ 3860'

API: 15-185-23917

LEGEND

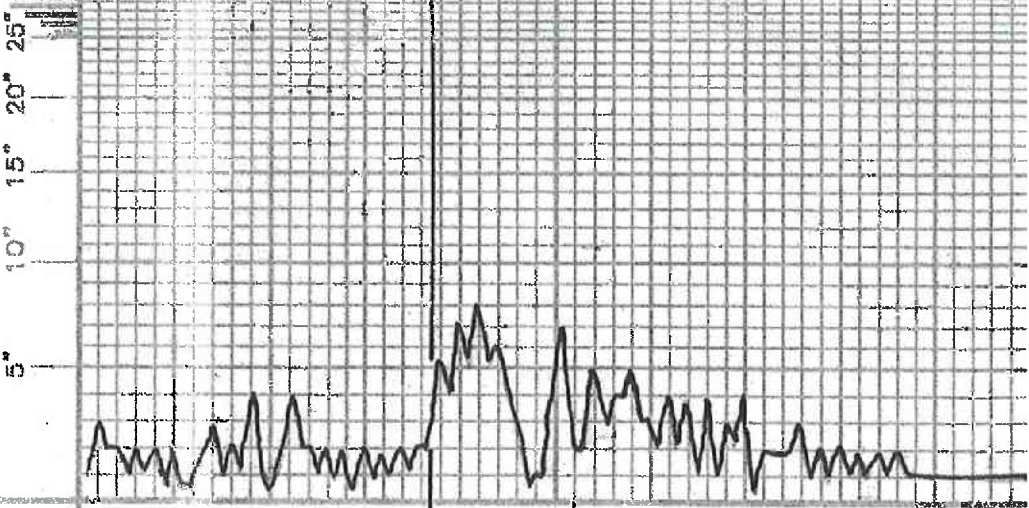
- Anhydrite
- Salt
- Sandstone
- Shale
- Carb sh
- Limestone
- Ool. Lime
- Chert
- Dolomite

SHOE01-11

DRILLING TIME IN MINUTES
PER FOOT

Rate of Penetration Increases

DEPTH
800



LITHOLOGY

SAMPLE DESCRIPTIONS

REMARKS

ORA

900

3000

3100

3200

V15: 51
V16: 92
V17: 90
V18: 3000

Samples are tagged

SI - BLK Carb

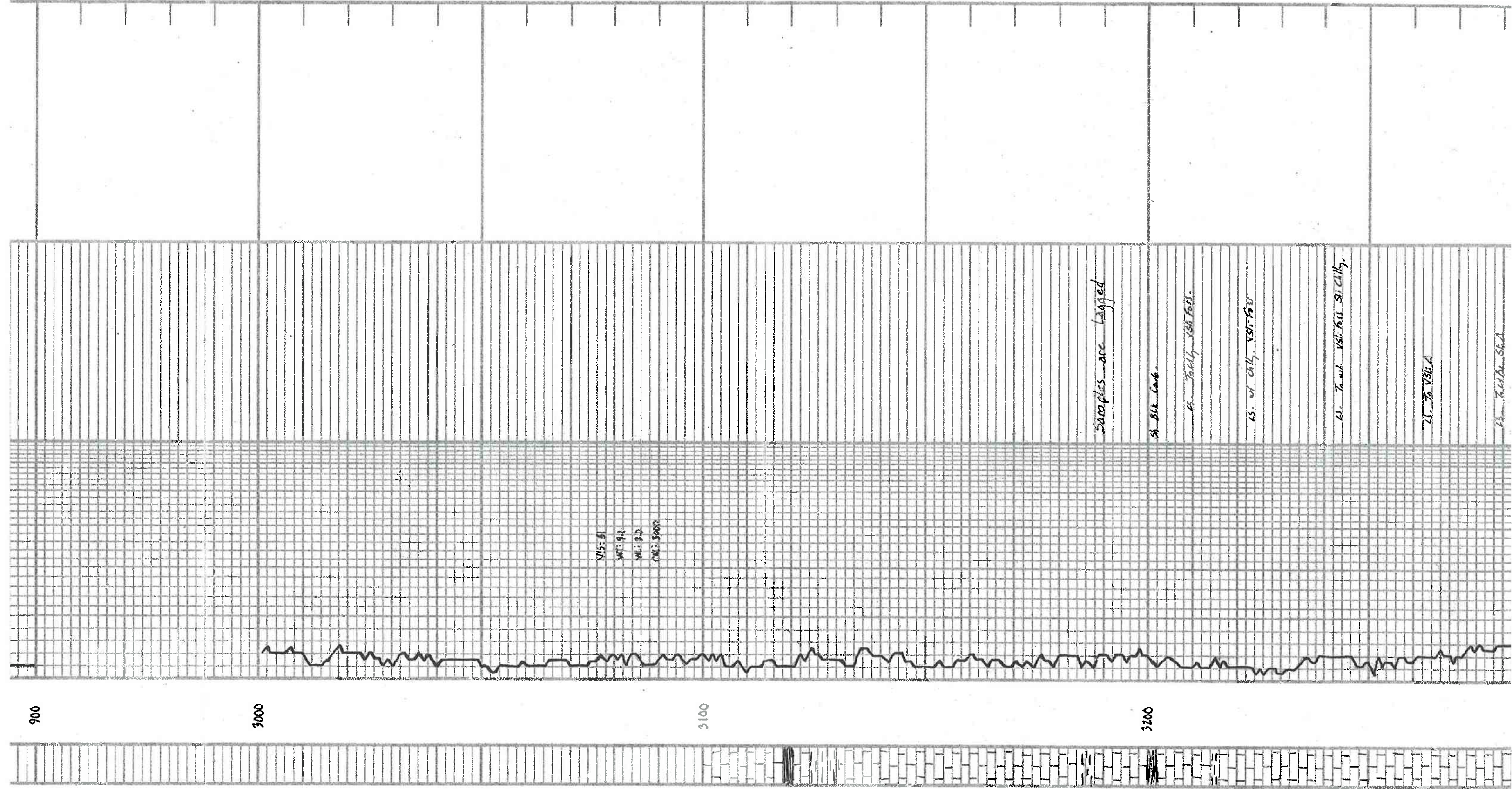
15. Totaly VSR 1000

13. wt. 0.14, VSR 1000

11. Total VSR 1000 SI Chilly

11. 75 VSR A

11. Total VSR A



3300

3400

3500

3600

TORONTO

DOUGLAS

DST

LS. 7.61A S1A

LS. 7.61A S1A

HEEBNER 3306-1365

LS. 7.61A S1A

LS. 7.61A S1A

LS. 7.61A S1A

LS. 7.61A S1A

LS. 7.61A S1A

LS. 7.61A S1A

LS. 7.61A S1A

LS. 7.61A S1A

BROWN LIME 3428-1987

LS. 7.61A S1A

LANSING 3437-1986

LS. 7.61A S1A

LS. 7.61A S1A

LS. 7.61A S1A

LS. 7.61A S1A

LS. 7.61A S1A

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LS. 7.61A S1A

LS. 7.61A S1A

DST (1) 3615-3660

1987: 20-45-45-60

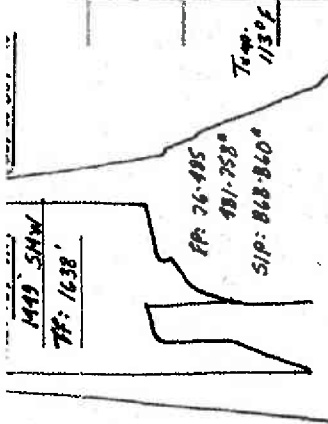
Rec. 189' W

149' SW

88' 2"

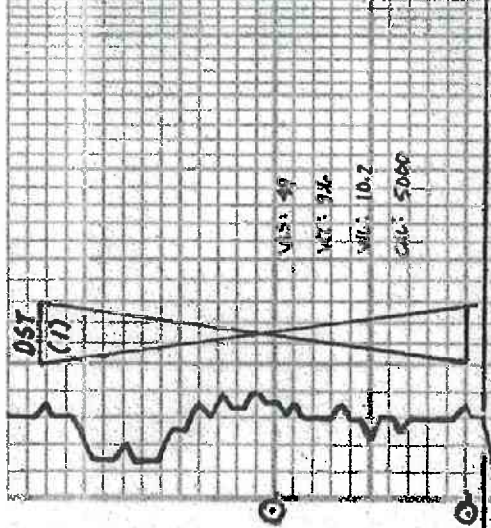
88' 4"

(202) 4807-40



M49 SHW
FR: 1638'

FR: 26-495
181-758°
SIP: 868-840°
Temp. 113°F

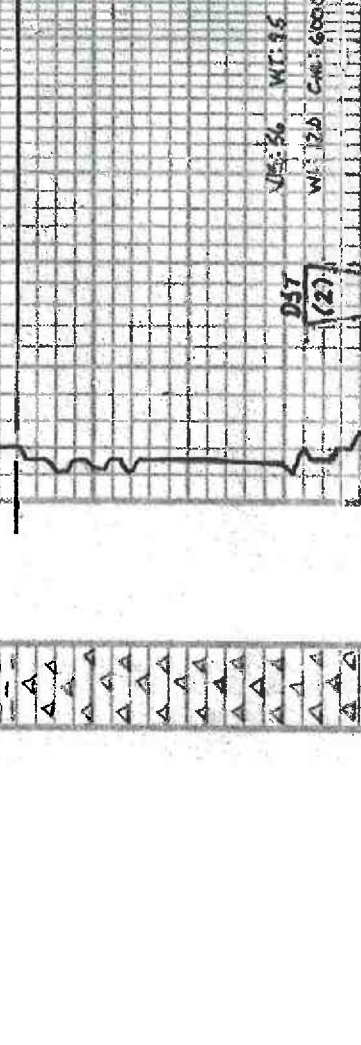


VLS: 99
VLS: 94
WLS: 10.2
CW: 5000

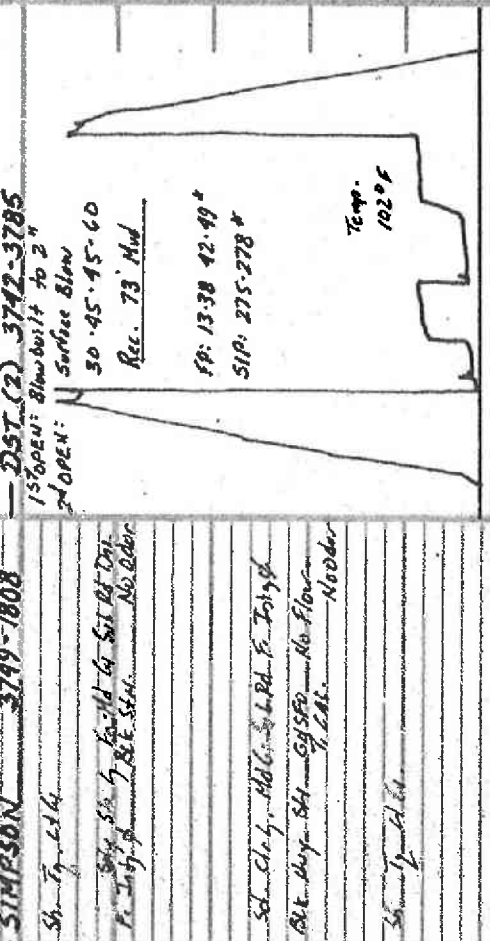
1. T. VLS: 650
Sb. LIG. RL
1. wt. 4.4g. Sh. 0.02. Si. 2.0g. F. by one of
DE RI BLE SH. ESP. (DE RI Hg) No Pb or
No Odor.
1. T. wt. VSL: 650. SiA
Sh. 0.02g
1. Total Si. 0.02g. P.V. of BLE. Solid Si
No Flour
No Odor
B/KC 3662-1721
Sh. RL
1. T. wt. Si. 0.02g
Sh. RL 0.02g
1. T. wt. Si. 0.02g. SiA
Sh. 0.02g
A. Yellow. 0.02g
VLS: 3712-1771
A. Yellow wt. Fresh Cut
A. wt. BLE Trip. 0.02g. P.V. BLE. SH.
T.T. No Flow
No Odor
A. wt. BLE Trip. w/ BLE. SH. T. Fo
A. wt. Fresh Cut

VLS: 96
WLS: 10.2
CW: 5000

SIMPSON 3799-1808
Sh. T. 0.02g
1. T. wt. 4.4g. Sh. 0.02g. SiA. No Odor
Sh. 0.02g. Hg. 0.02g. P.V. F. 0.02g
BLE. Hg. 0.02g. SiA. No Flour
No Odor
Sh. T. 0.02g
Dol. 0.02g. Fresh. 500
Dol. 0.02g. Fresh. 500
Dol. 0.02g. Fresh. 500
Dol. 0.02g. Fresh. 500
A. wt.
Dol. 0.02g. Fresh. 500. SiA
Dol. 0.02g. Fresh. 500.
Chit. wt.
Dol. 0.02g. Fresh. 500
Dol. wt. Fresh. 500. SiA



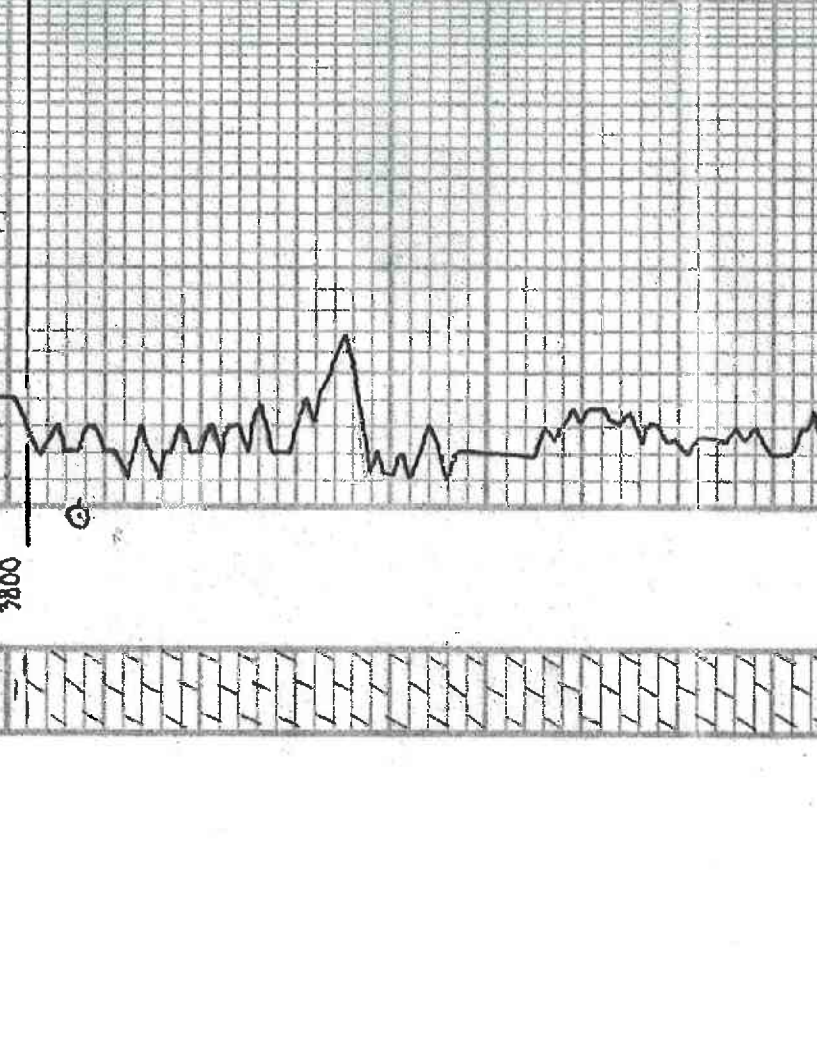
VLS: 96
WLS: 10.2
CW: 5000



DST (2) 3742-3785
15 OPEN: Blow built to 2"
2 OPEN: Surface Blen
30-45-45-60
Rec. 73 Mid
FR: 13-38 42-49
SIP: 275-278
Temp. 102°F

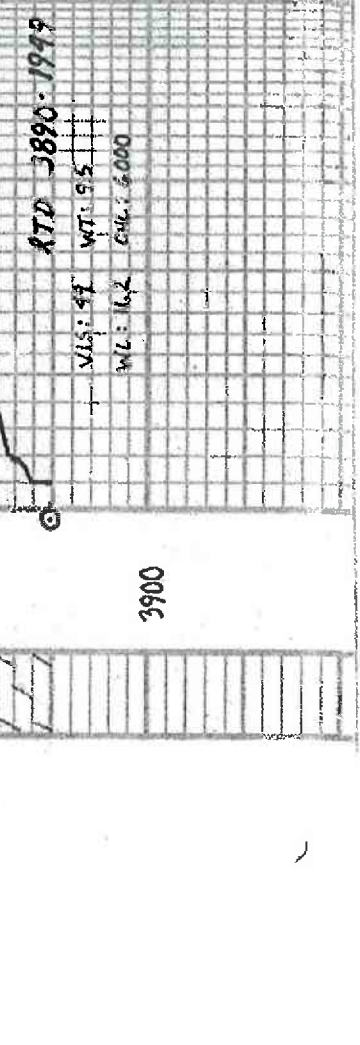
VLS: 99
WLS: 10.2
CW: 5000

ARBUCKLE 3802-1861
Dol. 0.02g. Fresh. 500. No Odor
A. wt. Dol. 0.02g. Fresh. 500
Dol. 0.02g. Fresh. 500
Dol. 0.02g. Fresh. 500
Dol. 0.02g. Fresh. 500
A. wt.
Dol. 0.02g. Fresh. 500. SiA
Dol. 0.02g. Fresh. 500.
Chit. wt.
Dol. 0.02g. Fresh. 500
Dol. wt. Fresh. 500. SiA



VLS: 99
WLS: 10.2
CW: 5000

ATD 3890-1999
VLS: 99
WLS: 10.2
CW: 5000



VLS: 99
WLS: 10.2
CW: 5000



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

3-22-14

FIELD SERVICE TICKET
1718 11663 A

DATE _____ TICKET NO. _____

DATE OF JOB 12-24-14	DISTRICT Pratt, KS	NEW WELL <input checked="" type="checkbox"/>	OLD WELL <input type="checkbox"/>	PROD <input type="checkbox"/>	INJ <input type="checkbox"/>	WDW <input type="checkbox"/>	CUSTOMER ORDER NO.:
CUSTOMER L, D Drilling		LEASE VMD		WELL NO. 2-3			
ADDRESS		COUNTY Stsflora		STATE KS			
CITY		STATE		SERVICE CREW Dsrin, James A., Beschey			
AUTHORIZED BY		JOB TYPE: CNU/4 1/2 Loss Strains					
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE AM PM TIME
27283	1						12-23 PM 6:30
78982	1					ARRIVED AT JOB	12-23 AM 10:00
86679	1					START OPERATION	12-24 AM 12:45
19889 19960	1					FINISH OPERATION	12-24 AM 1:45
14862 19860	1					RELEASED	12-24 AM 2:45
						MILES FROM STATION TO WELL	42

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

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SIGNED: David Roach
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP105	AP 2 Cement	SK	150		2,550 00
CP103	60/40 POZ	SIC	30		360 00
CC102	Cellofisque	Lb	38		140 60
CC111	SS12	Lb	816		408 00
CC113	Gypsum	Lb	705		528 75
CC129	FLA-322	Lb	113		847 50
CC201	Gilsonite	Lb	900		603 00
CF606	Loach Down plus & Assembly, 4 1/2 (Blue)	ES	1		370 00
CF1250	Auto Fill Flost Shoe 4 1/2 (Blue)	ES	1		330 00
CF1650	Turbolizer, 4 1/2 (Blue)	ES	6		510 00
CC151	mud Flush	Gal	500		750 00
E100	unit milesse chsrse - pickup 5000 usgs & csrs ^{one way}	Mi	40		150 00
E101	Hesuy Equipment Milesse	Mi	80		600 00
E113	propssm fine Pulic Delivery Chsrse, porton nrc	Inch	334		835 00
CE204	Depth Chsrse; 3001-4000'	4hr	1		2160 00
CE240	Blending & mixing Service Chsrse	SIC	180		252 00
CE504	Plus container Utilization chsrse	Job	1		250 00
SO03	Service supervisor first 8 hrs on loc.	ES	1		175 00
SUB TOTAL					11,849 85

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
DISCOUNT		
TOTAL		8,294 90

SERVICE REPRESENTATIVE Darin Kucinski

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: David Roach
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

BASIC

energy services, L.P.

TREATMENT REPORT

Customer <i>L.D. Drilling</i>	Lease No.	Date <i>12-24-2014</i>	
Lease <i>VM D</i>	Well # <i>2-3</i>		
Field Order # <i>11663</i>	Station <i>Pratt, KS</i>	Casing <i>4 1/2</i>	Depth <i>3878</i>
Type Job <i>CNW 4 1/2 Constring</i>		Formation <i>TD-3890</i>	Legal Description <i>3-22-14</i>
		County <i>Stafford</i>	State <i>KS</i>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
<i>4 1/2</i>				Pre Pad	Max		5 Min.	
Depth <i>3878</i>	Depth	From	To	Pad	Min		10 Min.	
Volume <i>62</i>	Volume	From	To	Frac	Avg		15 Min.	
Max Press	Max Press	From	To		HHP Used		Annulus Pressure	
Well Connection	Annulus Vol.	From	To	Flush	Gas Volume		Total Load	
Plug Depth <i>3806</i>	Packer Depth	From	To					

Customer Representative <i>David Rosch</i>	Station Manager <i>Kevin Goraley</i>	Treater <i>Darin Franklin</i>
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Service Units	<i>27283</i>	<i>78982</i>	<i>86679</i>	<i>19883</i>	<i>19860</i>				
Driver Names	<i>Darin</i>	<i>Jonas</i>	<i>Jonas</i>	<i>Beschy</i>	<i>Beschy</i>				

12-23 Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>10:00pm</i>					<i>on location / safety meeting</i>
					<i>run 93 Jts 4 1/2 10.5# casing</i>
					<i>Turbos 2015 - 1, 3, 4, 5, 7, 9</i>
					<i>150SK BR2 cement 10% SS1+, 10% Gypsum</i>
					<i>8% FLA-322, 1/4# Cellulose, 6# Gilsomite</i>
					<i>14.8 pps, 1.54 yield, 6.52 water</i>
<i>12-24</i>					
<i>12:45</i>	<i>400</i>		<i>10</i>	<i>5</i>	<i>pump 10 bbls water</i>
	<i>400</i>		<i>12</i>	<i>5</i>	<i>12 bbls mud flush</i>
	<i>400</i>		<i>10</i>	<i>5</i>	<i>10 bbls water</i>
	<i>600</i>		<i>41</i>	<i>5</i>	<i>mix 150SK cement</i>
					<i>shut down</i>
					<i>wash pump & lines</i>
					<i>Release plus</i>
	<i>200</i>		<i>0</i>	<i>5</i>	<i>start displacement</i>
	<i>600</i>		<i>45</i>	<i>5</i>	<i>lift pressure</i>
	<i>600</i>		<i>50</i>	<i>4</i>	<i>slow rate</i>
	<i>1500</i>		<i>61 1/2</i>	<i>4</i>	<i>Bump plus</i>
					<i>Release</i>
	<i>100</i>		<i>5</i>	<i>3</i>	<i>plus rest hole</i>
<i>11:45pm</i>					<i>Job complete / Darin & crew</i>
					<i>Thank you!!!</i>



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ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET
1718 11661 A

3-225-144

DATE _____ TICKET NO. _____

DATE OF JOB <i>12-17-2014</i> DISTRICT <i>Pisot, KS</i>		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:							
CUSTOMER <i>L.D. Drilling, Inc</i>		LEASE <i>VMD</i> WELL NO. <i>2-3</i>							
ADDRESS		COUNTY <i>Stefano</i> STATE <i>KS</i>							
CITY STATE		SERVICE CREW <i>Dson, Ernest, Felix</i>							
AUTHORIZED BY		JOB TYPE: <i>CNW/ 8 5/8 Surface</i>							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM PM	TIME
<i>27283</i>	<i>1</i>						<i>12-17</i>		<i>3:50</i>
<i>84981</i>	<i>1</i>					ARRIVED AT JOB	<i>12-17</i>	AM PM	<i>6:00</i>
<i>19843</i>	<i>1</i>					START OPERATION	<i>12-17</i>	AM PM	<i>12:00</i>
<i>19960</i>	<i>1</i>					FINISH OPERATION	<i>12-17</i>	AM PM	<i>1:00</i>
<i>19860</i>	<i>1</i>					RELEASED	<i>12-17</i>	AM PM	<i>2:00</i>
						MILES FROM STATION TO WELL	<i>43</i>		

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

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SIGNED: *Brandon D Willis*
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT	
CP101	A-con Blend Common	SK	200		3600 00	
CP100C	Common Cement	SK	200		3200 00	
CC102	Cellof 15ke	Lb	100		370 00	
CC109	Calcium Chloride	Lb	940		987 00	
CF105	TOP Rubber Cement Plus, 8 5/8	ES	1		225 00	
E100	Unit mileage chaise pickup, sack use, etc	M	40		180 00	
E101	Heavy Equipment Mileage	M	80		600 00	
E113	PROPDSR 902 Bulk Delivery Chaises, etc	Intm	752		1880 00	
CE201	Depth Chaise 501-1000	4hr	1		1200 00	
CE240	Blending & mixing Service chaise	SK	400		560 00	
CE504	Plus container utilization chaise	Sub	1		250 00	
S003	Service supervisor, first 8 hrs enter	ES	1		175 00	
					SUB TOTAL	13,277 00

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$		
MATERIALS	%TAX ON \$		
Discount		TOTAL	9,258 90

SERVICE REPRESENTATIVE *Vasanth Kumar* THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *Brandon D Willis*
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

Customer <i>L. D. Drilling Inc</i>	Lease No.	Date <i>12-17-2014</i>	
Lease <i>UMD</i>	Well # <i>2-3</i>		
Field Order # <i>11661</i>	Station <i>P1502, KS</i>	Casing <i>8 5/8</i>	Depth <i>889</i>
Type Job <i>CNW/ 8 5/8 SURFACE</i>	Formation <i>TD-889</i>	County <i>Schaffers</i>	State <i>KS</i>
		Legal Description <i>3-22s-14w</i>	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
<i>8 5/8</i>				Pre Pad	Max		5 Min.	
Depth <i>889</i>	Depth	From	To	Pad	Min		10 Min.	
Volume <i>57</i>	Volume	From	To	Frac	Avg		15 Min.	
Max Press	Max Press	From	To		HHP Used		Annulus Pressure	
Well Connection	Annulus Vol.	From	To	Flush	Gas Volume		Total Load	
Plug Depth <i>847</i>	Packer Depth	From	To					

Customer Representative <i>Dave Rosch</i>	Station Manager <i>Kevin Goreley</i>	Treater <i>Derin Franklin</i>
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Service Units	<i>27283</i>	<i>84981</i>	<i>19843</i>	<i>19860</i>	<i>19860</i>				
Driver Names	<i>Darin</i>	<i>Ernes</i>	<i>Ernes</i>	<i>Felix</i>	<i>Felix</i>				

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>6:00am</i>					<i>ON location / SS Per meeting</i>
					<i>200SK A-con Blend common 3%acc, 1/4# cells/lb</i>
					<i>200SV common 2%acc, 1/4# cells/lb</i>
<i>1:00</i>	<i>200</i>		<i>3</i>	<i>5</i>	<i>PUMP 3 bbls water</i>
	<i>200</i>		<i>88</i>	<i>5</i>	<i>mix 200SK 1% cement</i>
	<i>200</i>		<i>43</i>	<i>5</i>	<i>mix 200SK 1% cement</i>
					<i>Shut down</i>
					<i>Redress plus</i>
	<i>200</i>		<i>0</i>	<i>5</i>	<i>Start displacement</i>
	<i>200</i>		<i>44</i>	<i>3</i>	<i>Slow rate</i>
					<i>Bump plus</i>
	<i>200</i>		<i>54</i>	<i>3</i>	<i>Shut in</i>
					<i>Cement dia circulate - 10 bbls</i>
					<i>Job complete / Derin & crew</i>
					<i>Thank you!!!</i>



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PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET
1718 12028 A

1-9-2015 DATE TICKET NO. _____

DATE OF JOB: 1-9-2015		DISTRICT: PRATT KANSAS		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:	
CUSTOMER: L.D. DREILING		LEASE: VMD		WELL NO. 2-3	
ADDRESS:		COUNTY: STAFFORD		STATE: KANSAS	
CITY:		STATE:		SERVICE CREW: BARBER - WESTERMAN - JAKS	
AUTHORIZED BY: LD DAVIS		JOB TYPE: Prefrac L6200 Frac Stage 1/2			

EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
83354	1.1	19899-19853	1.1			ARRIVED AT JOB	1-9-15	AM	PM	10:00
78868	1.1	75775	1.1			START OPERATION	1-9-15	AM	PM	11:49
38950	1.1					FINISH OPERATION	1-9-15	AM	PM	12:59
84890-19844	1.1					RELEASED	1-9-15	AM	PM	2:00
19834-19847	1.1					MILES FROM STATION TO WELL				40
12083-19848	1.1									

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

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SIGNED: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
51161	PROFrac L6200	GAL	2300		644 00
51141	PROFRAC L62000	GAL	15700		5652 00
C1807	KNEE NOW EMU + SEEFER	GAL	9		333 00
C704	CLAYMAX KCL SUBSTITUTE	GAL	9		315 00
C607	BEO7L LIQUID BIOCIDES	GAL	1		120 00
C507	BREAKER 10L	GAL	1		175 00
C2315	580 MF SURFACTANT	GAL	18		756 00
PK 211	20/40 MESH NORTHEAN WHITE SAND KANSAS	CWT	90		2520 00
PK 102	14/30 MESH BRADY SAND KANSAS	CWT	30		660 00
F101	HEAVY EQUIPMENT MESSAGE	MZ	200		1500 00
F100	UNIT MESSAGES CHARLES PERMITS SMALL UNITS & CAS	MZ	40		180 00
E113	PROPPANT AND BULK DELIVERY CHARGES PER TON AT	TM	240		600 00
E434	1500 HAPTREPLEX FRAC PUMP CHARACTERIS 4 HRS	EA	1		5500 00
B200	BLENDER D-10 RPM FIRST 4 HRS	EA	1		3000 00
E713	LINED CHEMICAL ADDITIVE UNIT (Now Computerize)	JOB	1		800 00
E729	DENSOMETER PER JOB	EA	1		1250 00
P800	20/40 MESH OR SMALLER PROP PUMP CHARGE	CWT	90		36 00
P801	14/30 MESH OR LARGER PROP PUMP CHARGE	CWT	30		34 20
P900	11 TO 9 PPM PROPPANT CONCENTRATION CHARGE	GAL	10500		210 00

SUB TOTAL

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		16

SERVICE REPRESENTATIVE: MARK BARBER	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: _____ (WELL OWNER OPERATOR CONTRACTOR OR AGENT)
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FIELD SERVICE ORDER NO.



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET
1718 12029 A

CONTINUATION

DATE TICKET NO. 12028A

DATE OF JOB <u>1-9-15</u>	DISTRICT <u>PRATT KANSAS</u>	NEW WELL <input checked="" type="checkbox"/>	OLD WELL <input type="checkbox"/>	PROD <input type="checkbox"/>	INJ <input type="checkbox"/>	WDW <input type="checkbox"/>	CUSTOMER ORDER NO.:		
CUSTOMER <u>L.D. DRIHINO</u>	LEASE <u>VMD</u>	WELL NO. <u>2-5</u>							
ADDRESS	COUNTY <u>STAFFORD</u>	STATE <u>KANSAS</u>							
CITY	STATE	SERVICE CREW <u>BARBER-WESTERMAN JAKE</u>							
AUTHORIZED BY <u>L.D. DAVES</u>	JOB TYPE: <u>ROSPAC 16 2000 FRAC 1STAGE N/W</u>								
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM PM	TIME
						ARRIVED AT JOB	<u>1-9-15</u>	AM PM	<u>10:00</u>
						START OPERATION	<u>1-9-15</u>	AM PM	<u>11:49</u>
						FINISH OPERATION	<u>1-9-15</u>	AM PM	<u>12:59</u>
						RELEASED	<u>1-9-15</u>	AM PM	<u>2:00</u>
						MILES FROM STATION TO WELL	<u>40</u>		

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

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SIGNED: [Signature]
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
E705	2" FRAC VALVE RENTAL	JOB	1		400 00
T101	TREATMENT VAN COMPUTERIZED DATA MONITORING	JOB	1		2200 00
S003	GRANITE SUPERVISOR FIRST 8 HRS ON LOC	EA	1		175 00
E106	CAMBELL SAND HAZARD	EA	1		1000 00

SUB TOTAL 28060 20

CHEMICAL / ACID DATA:

SERVICE & EQUIPMENT	%TAX ON \$
MATERIALS	%TAX ON \$

TOTAL
19080 94

SERVICE REPRESENTATIVE <u>MARK BARIZO</u>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <u>[Signature]</u> (WELL OWNER OPERATOR CONTRACTOR OR AGENT)
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FIELD SERVICE ORDER NO.

Customer LD DREILING	Lease No.	Date 1-9-15
Lease VMD	Well # 2-3	
Field Order # 12028A	Station PRATT	Casing 1/2
		Depth
Type Job PROFRAC LG 2000 FRAC 1 STAGES	Formation STANLEY SAND	County STAFFORD
		State KS
		Legal Description 3-225-14W

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 7/2	Tubing Size 2 7/8	Shots/Ft 4		Acid		RATE	PRESS	ISIP 1718
Depth	Depth	From 3778	To 3782	Pre Pad		Max 8	2700	5 Min. 1532
Volume 1.56	Volume 1.2	From	To	Pad 5200 GALLON PROFRAC LG 2000		Min 7.7	2398	10 Min. 1456
Max Press	Max Press 3000	From	To	Frac 10500 GALLON PROFRAC LG 2000		Avg 7.8	2480	15 Min.
Well Connection	Annulus Vol.	From	To			HHP Used		Annulus Pressure
Plug Depth	Packer Depth 3681	From	To	Flush 680 GALLON PROFRAC LG 2000		Gas Volume		Total Load 403 RBL

Customer Representative LD DAVES	Station Manager KEVIN GARDIOY	Treater PATRICK WESTERMAN JANE
Service Units 83354 79868 38950	84390 19844 19847 12082 19848 19879 19853	75775
Driver Names JUSTIN JANE MARK DARYL SPARKS AARON TOM KELLY NECK		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
10:00					ON LOCATION - SAFETY MEETING - SETUP
11:49	3662				PREM UP - PRESSURE TEST
11:51	4687				PRESSURE TEST
11:53	148			6.2	START 5200 GALLON PAD
11:55	870		14	.4	HOLE LOADED
11:56	2157		25	5	ESTABLISH RATE
12:03	2700		47	7.7	INCREASE RATE
12:13	2514		124	7.8	START 3000 GALLON 1/2" # 20/40
12:15	2468		140	8	1/2" # 20/40 ON BOTTOM
12:22	2467		197	7.8	START 3000 GALLON 1" # 20/40
12:24	2398		213	7.8	1" # 20/40 ON BOTTOM
12:32	2451		272	7.9	START 3000 GALLON 1/2" # 20/40
12:34	2438		287	7.8	1/2" # 20/40 ON BOTTOM
12:41	2495		348	7.7	START 1500 GALLON 2" # 14/30
12:43	2535		364	7.7	2" # 14/30 ON BOTTOM
12:46	2530		387	7.7	START 680 GALLON FLUSH
12:49	2545		403		SHUT DOWN JOBS COMPLETED
	1718				ISEP
					THANK YOU PRATT FRAC CREW