



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1160062
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: _____



1160062

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

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

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

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

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

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

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

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

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

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

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

October 01, 2013

John Washburn
Range Oil Company, Inc.
9412 E. CENTRAL
PO BOX 781775
WICHITA, KS 67278-1775

Re: ACO1
API 15-115-21459-00-00
Moffett D 1
NW/4 Sec.25-22S-03E
Marion County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
John Washburn



DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
MoffettD1DST1

Company Range Oil Company, Inc. Lease & Well No. Moffett "D" No. 1
Elevation 1443 KB Formation Mississippi Chert Effective Pay Ft. Ticket No. F158
Date 8-9-13 Sec. 25 Twp. 22S Range 3E County Marion State Kansas
Test Approved By Ken Wallace Diamond Representative Jake Fahrenbruch

Formation Test No. 1 Interval Tested from 2,486 ft. to 2,515 ft. Total Depth 2,515 ft.
Packer Depth 2,481 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Packer Depth 2,486 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 2,468 ft. Recorder Number 0062 Cap. 5,000 psi.
Bottom Recorder Depth (Outside) 2,512 ft. Recorder Number 11033 Cap. 5,150 psi.
Below Straddle Recorder Depth ft. Recorder Number Cap. psi.

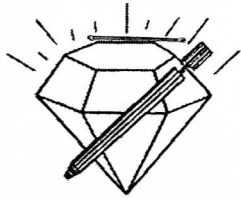
Drilling Contractor Summit Drilling Company - Rig 1 Drill Collar Length 320 ft I.D. 2 1/4 in.
Mud Type Chemical Viscosity 48 Weight Pipe Length ft I.D. in.
Weight 9.3 Water Loss 9.2 cc. Drill Pipe Length 2,138 ft I.D. 3 in.
Chlorides 1,000 P.P.M. Test Tool Length 28 ft Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number Not Run Anchor Length 29 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: Surface blow increasing to 1 1/2 ins. No blow back during shut-in.
2nd Open: Surface blow increasing to 1 1/2 ins. No blow back during shut-in.

Recovered 5 ft. of free oil = .024600 bbls. (Gravity: 35)
Recovered 35 ft. of oily mud = .172200 bbls. (Grind out: 40%-oil; 60%-mud)
Recovered 40 ft. of TOTAL FLUID = .196800 bbls.
Recovered ft. of
Recovered ft. of
Recovered ft. of

Remarks Tool Sample Grind Out: 50%-oil; 50%-mud

Time Set Packer(s) 5:12 A.M. Time Started off Bottom 8:12 A.M. Maximum Temperature 105°
Initial Hydrostatic Pressure.....(A) 1217 P.S.I.
Initial Flow Period.....Minutes 30 (B) 8 P.S.I. to (C) 17 P.S.I.
Initial Closed In Period.....Minutes 30 (D) 474 P.S.I.
Final Flow Period.....Minutes 60 (E) 19 P.S.I. to (F) 28 P.S.I.
Final Closed In Period.....Minutes 60 (G) 481 P.S.I.
Final Hydrostatic Pressure.....(H) 1216 P.S.I.



DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
MoffettD1DST2

Company Range Oil Company, Inc. Lease & Well No. Moffett "D" No. 1
Elevation 1443 KB Formation Mississippi Dolomite Effective Pay Ft. Ticket No. F159
Date 8-9-13 Sec. 25 Twp. 22S Range 3E County Marion State Kansas
Test Approved By Ken Wallace Diamond Representative Jake Fahrenbruch

Formation Test No. 2 Interval Tested from 2,515 ft. to 2,525 ft. Total Depth 2,525 ft.
Packer Depth 2,510 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Packer Depth 2,515 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 2,497 ft. Recorder Number 0062 Cap. 5,000 psi.
Bottom Recorder Depth (Outside) 2,522 ft. Recorder Number 11033 Cap. 5,150 psi.
Below Straddle Recorder Depth ft. Recorder Number Cap. psi.

Drilling Contractor Summit Drilling Company - Rig 1 Drill Collar Length 320 ft I.D. 2 1/4 in.
Mud Type Chemical Viscosity 51 Weight Pipe Length ft I.D. in.
Weight 9.3 Water Loss 8.4 cc. Drill Pipe Length 2,167 ft I.D. 3 in.
Chlorides 900 P.P.M. Test Tool Length 28 ft Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number Not Run Anchor Length 10 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: Surface blow increasing to 6 ins. No blow back during shut-in.
2nd Open: No blow increasing to 4 ins. No blow back during shut-in.

Recovered 10 ft. of free oil = .049200 bbls. (Gravity: 35)
Recovered 115 ft. of slightly oil and heavy mud cut water = .565800 bbls. (Grind out: 5%-oil; 55%-water; 40%-mud)
Recovered 125 ft. of TOTAL FLUID = .615000 bbls.
Recovered ft. of
Recovered ft. of
Recovered ft. of

Remarks Tool Sample Grind Out: 15%-oil; 50%-water; 35%-mud (Chlorides: 19,000 Ppm PH: 7.5 RW: .31 @ 64°)

Time Set Packer(s) 8:15 P.M. Time Started off Bottom 10:15 P.M. Maximum Temperature 102°
Initial Hydrostatic Pressure.....(A) 1230 P.S.I.
Initial Flow Period.....Minutes 30 (B) 9 P.S.I. to (C) 44 P.S.I.
Initial Closed In Period.....Minutes 30 (D) 492 P.S.I.
Final Flow Period.....Minutes 30 (E) 46 P.S.I. to (F) 72 P.S.I.
Final Closed In Period.....Minutes 30 (G) 490 P.S.I.
Final Hydrostatic Pressure.....(H) 1230 P.S.I.

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY <u>Range Oil Company, Inc.</u>		ELEVATIONS	
LEASE <u>MoFrett 'D' #1</u>		KB <u>1443'</u>	DF _____
FIELD _____		GD <u>1433'</u>	Measurements Are All From <u>KB</u>
LOCATION <u>2500' FWL + 2485' FWL, NW/4</u>			
SEC <u>25</u> TWSP _____ RGE <u>3e</u>	COUNTY <u>Marion</u> STATE <u>KS</u>		
CONTRACTOR <u>Summit Drilling</u>		CASING SURFACE <u>8 5/8" @ 226'</u>	
SPUD <u>8-2-13</u> COMP <u>8-11-13</u>	RTD <u>2567'</u> LTD <u>2565'</u>	PRODUCTION <u>5 1/2" @ 2566'</u>	
MUD UP <u>1550'</u> TYPE MUD <u>Chem</u>	ELECTRICAL SURVEYS DI/D Anisotropy		
SAMPLES SAVED FROM <u>20' sp/s 10' sp/s</u>	SURFACE <u>1800'</u>	TO <u>RTD</u>	
DRILLING TIME KEPT FROM _____	<u>1600'</u>	TO <u>RTD</u>	
SAMPLES EXAMINED FROM _____	<u>1750'</u>	TO <u>RTD</u>	
GEOLOGICAL SUPERVISION FROM _____	<u>1750'</u>	TO <u>RTD</u>	
GEOLOGIST ON WELL <u>Ken Wallace</u>			
FORMATION TOPS	LOG	SAMPLES	
<u>Oread</u>	<u>1634 (-191)</u>		
<u>Heebner</u>	<u>1666 (-223)</u>		
<u>Brown Lm</u>	<u>1835 (-392)</u>	<u>1838 (-395)</u>	
<u>Lansing</u>	<u>1930 (-487)</u>	<u>1932 (-489)</u>	
<u>Starb Sh</u>	<u>2250 (-807)</u>	<u>2253 (-810)</u>	
<u>B1 KC</u>	<u>2321 (-878)</u>	<u>2326 (-883)</u>	
<u>Chera fee</u>	<u>2483 (-1040)</u>	<u>2488 (-1045)</u>	
<u>Miss Δ</u>	<u>2504 (-1061)</u>	<u>2507 (-1064)</u>	
<u>Cl Miss Δ</u>	<u>2514 (-1071)</u>		
<u>RTD</u>	<u>2567 (-1124)</u>		
<u>LTD</u>	<u>2567 (-1124)</u>		

REMARKS

Ken Wallace

Production casing set to further eval DST #1 & #2.

8-2-13 MIRT

8-3-13 7AM - Drlg @ 173'

8-4-13 8AM - Drlg @ 512' 1/4° @ 232'

8-5-13 8AM - Drlg @ 1358' 1/2° @ 699' 1° @ 1202'

8-6-13 8AM - Drlg @ 1838' 1 3/4° @ 1676'

8-7-13 7:30 AM - Drlg @ 2092' 1 3/4° @ 1928'

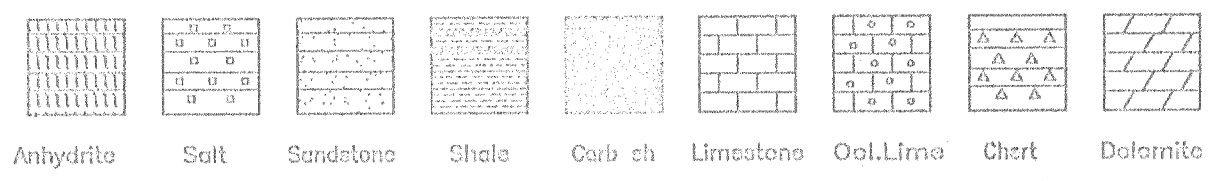
8-8-13 7:15 AM - Drlg @ 2374' 2° @ 2179'

8-9-13 8AM - PTD 2515' - Running DST #1 2° @ 2515'

8-10-13 8AM - RTD 2567 - Ran DST #2 Running E-Logs

8-11-13 7AM - RTD 2567' - set 5 1/2 casing @ 2566', PD @ 5pm 8-10-13.

LEGEND



SCALE " = 100'

DEPTH	DRILLING TIME - Minutes Per Foot Rate of Penetration Decreases	SAMPLE DESCRIPTIONS	REMARKS
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7505

1700

20

40

60

80

1800

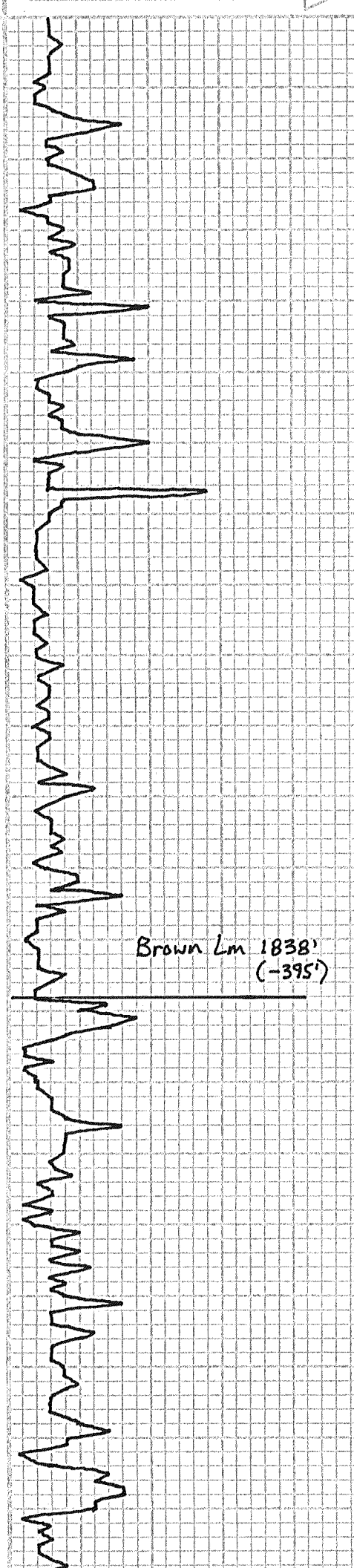
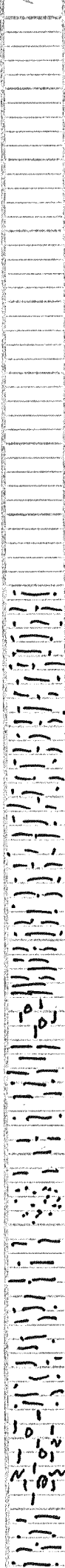
20

40

60

80

1900



V 37, wt. 9.2, Lcm 4 1/2

V 36, wt. 9.2, Lcm 4 1/2

V 34, wt. 9.2, Lcm 4

sh, gy; slst, gy; sm fngd
SS, NS

A. A.

sh, gy w/ gy slst

Brown Lm 1838'
(-395')

Ls, brwn, ool, foss, NS

"wt. slipped"

sh, gy

sh, gy; slst, gy; sm v fgd
SS, NS

"wt. slipped"

SS, lt gy, glauc, fgd, well
srt/rnd, NS

"wt. slipped"

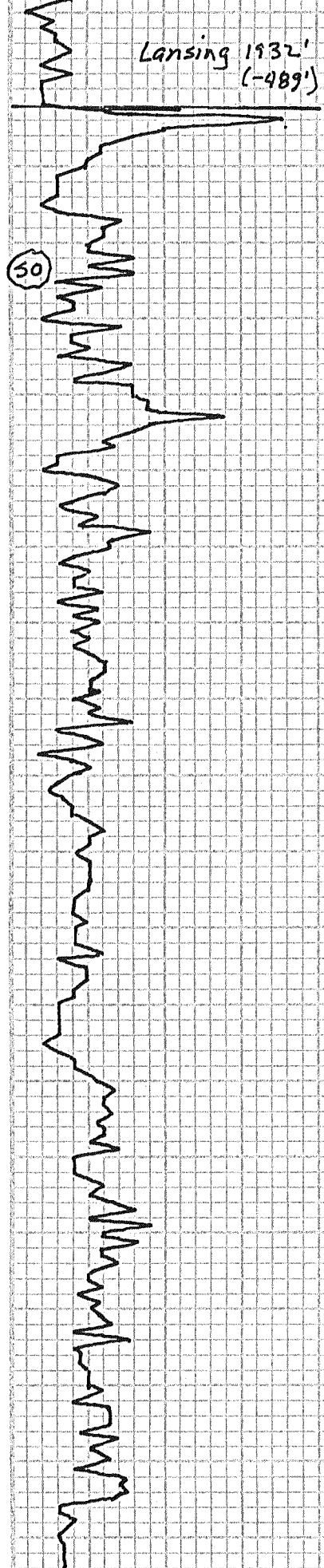
V 37, wt. 9.2, Lcm 5

sh, gy w/ gy slstn

Ls, buff-brwn, ool, foss,
NS

sh. an slstn

20
40
60
80
2000
20
40
60
80
2100
20



Lansing 1932'
(-489')

Ls, buff-tan, foss, sl ool,
(gy oolts), cky npt, NS

V36, wt. 9.2, LCM 5

Ls, wh-buff, ool, (pst ools),
foss, f ooc ϕ , scat FL (R30%),
VSSFO, NO

Ls, buff-ltgy, dse-fxl, sl ool/foss, cky, NS, NF

V45, wt. 9.2, LCM 6

sh, gy

Ls, gy-tan, ool, foss, NS

Adjust clock

Ls, tan-lt-brwn, fxln-dse,
NS

V40, wt. 9.3, LCM 5 1/2

Ls, tan-lt-brwn, dse, sl ool/foss, NS

AA, sl Dty (foss Δ), sl sucro,
NS

Ls, gy, v foss (cocina), ool, sl cky, NS

V48, wt. 9.3, LCM 8

Ls, buff-ltgy, foss, cky, Dty,
NS

Ls, tan, vool/foss, sl cky, sl Dty, NS

V47, wt. 9.2, LCM 7

Ls, buff, fxln-dse, cky,
NS

V46, wt. 9.3, LCM 7

Ls, gy, dse-fxl, sl ool, sl foss, cky, NS

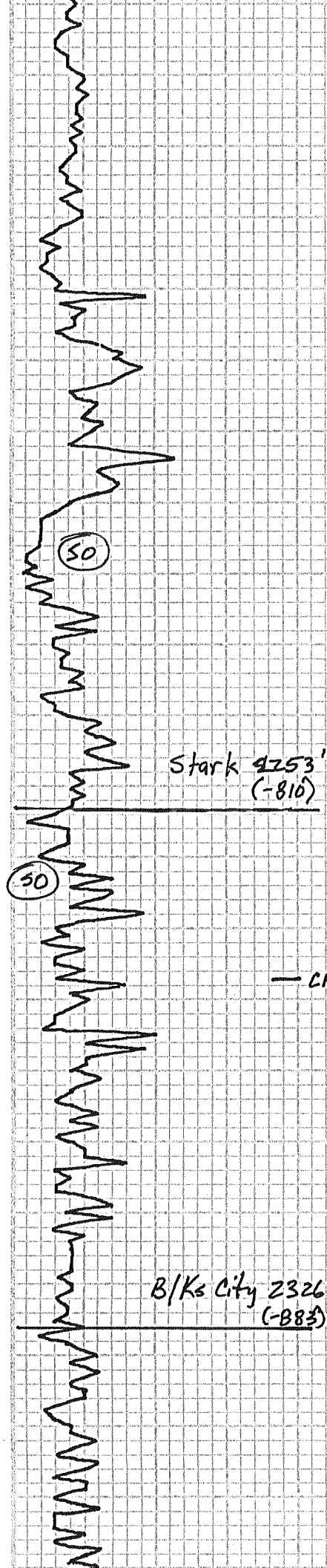
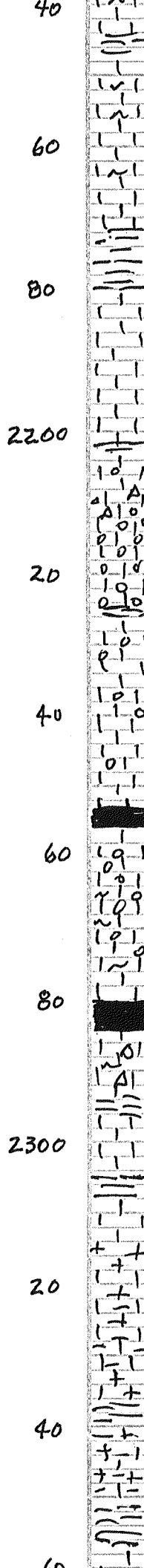
Adjust clock

AA, sl Dty

Ls, gy-mgg, dse, sl foss/ool, cky, sl Dty, NS

V45, wt. 9.3, LCM 6

Ls, buff-tan, dse, sl foss,
NS



sh, dk gy

Ls, buff, fxl n-dse, sl foss, cky, NS

V37, wt. 9.2, Lcm 5

sh, gy

Ls, tan-dk tan, fxl n-dse, cky, NS

Ls, dkgy, dse, cky, NS

Ls, buff-lt gy, fxl n, sl ool, dtg

Ls, buff, ool, foss, (cocina), PIGØ, sl odor, tr FL (10%), tr FO on blk

V47, wt. 9.2, Lcm 4

Ls, gy-tan, dse, sl ool, cky, NS

Stark 2253' (-810)

sh, b)

Ls, buff, ool (fgd oolts), foss, pugl ppt Ø, sl odor, lt stn, scat FL (3%), SSFO

— LFs 2277' 2277' 15" — Ls, buff, sm tan, cky, dse, NS, NO 30" Ls, buff, cky-fxl n, NS, NO

V48, wt. 9.3, Lcm 4

Ls, wh-buff, fxl n, foss, dtg, NS

sh, dkgy-bl

Ls, gy-tan, sl ool, foss, cky, NS

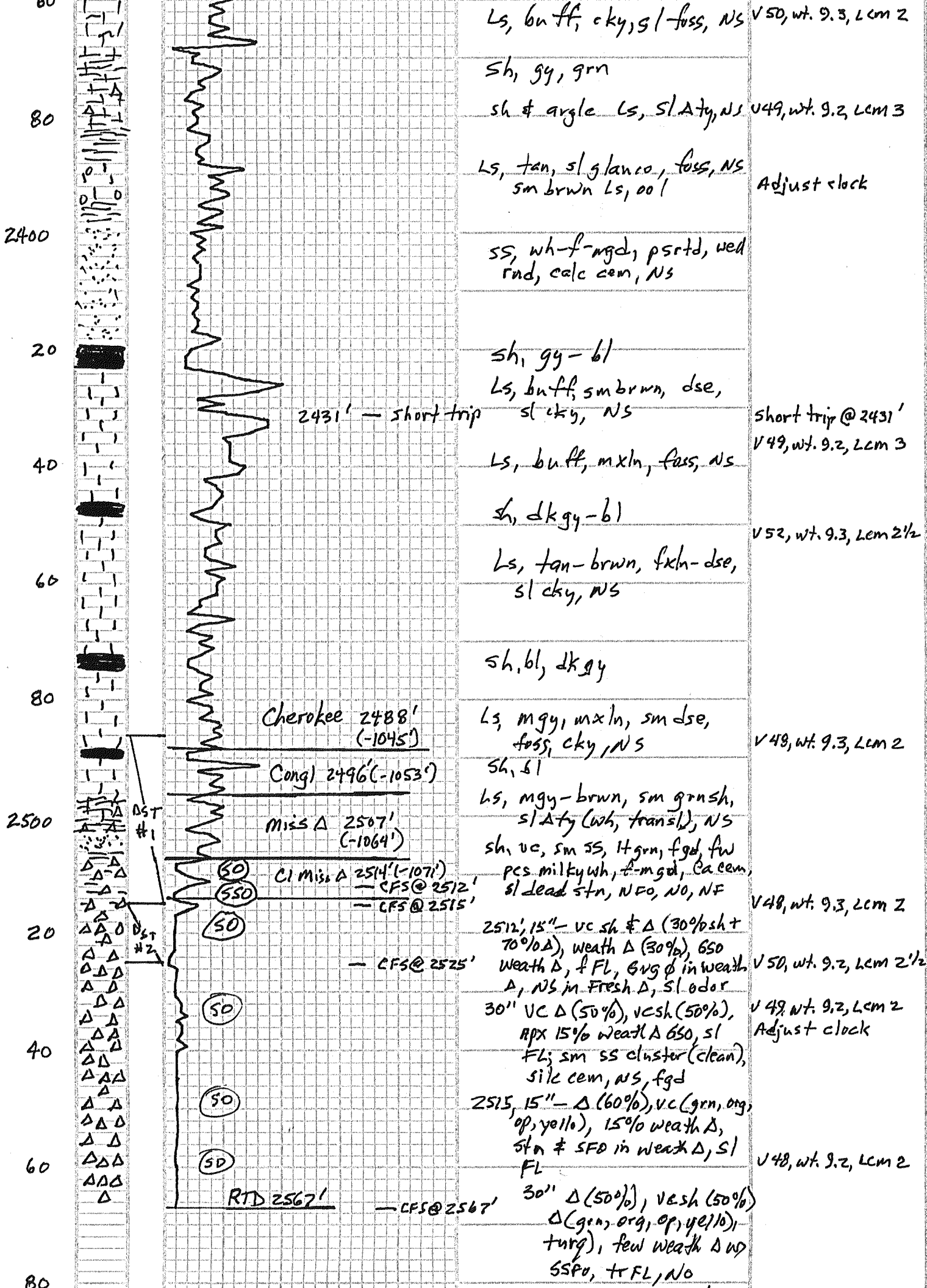
V45, wt. 9.3, Lcm 4

Ls, gy, arglc, NS

AA w/ gy sh, sm dkgy foss Ls

sh, gy

B/Ks City 2326' (-883)



2525 15" 95% Δ (yello, wh, grn op), 75% fresh & 25% weath, 650 # f stn in weath Δ, sd FL (10%), sl odor
 30" AA, sl less so
 2525-2540' Δ (yello, wh/yello) 80% fresh Δ, f odor, 20% weath Δ w/ sso in fw pcs (< 3%), tr FL, sm pyr, sl stn
 2540-50 - Δ, 30% weath, sso in 10% weath Δ, sl odor, tr FL, sm stn, sm pyr
 2550-67 - Δ, mostly wh & yello/wh, 50/50 fresh/weath, lpc black oil from vgs, fr vg φ, tr FL, tr stn

DST #1 2486-2515' (Miss Ct)

30-30-60-60

IF- SB to 1.5" FF- SB to 1.5"

Rec: 5' free oil (35% grav); 35' OM (40% oil & 60% mud)

Tool sample; 50% oil/50% mud

IFP 8-7# FFP 19-28#

ISP 474# FSP 481#

Temp: 105 deg F

DST #2 2515-2525' (Miss Ct)

30-30-30-30

IF- SB increased to 6" FF- SB increased to 4"

Rec: 10' free oil (35% grav); 115' SOCMW (5% oil, 55% water, 40% mud)

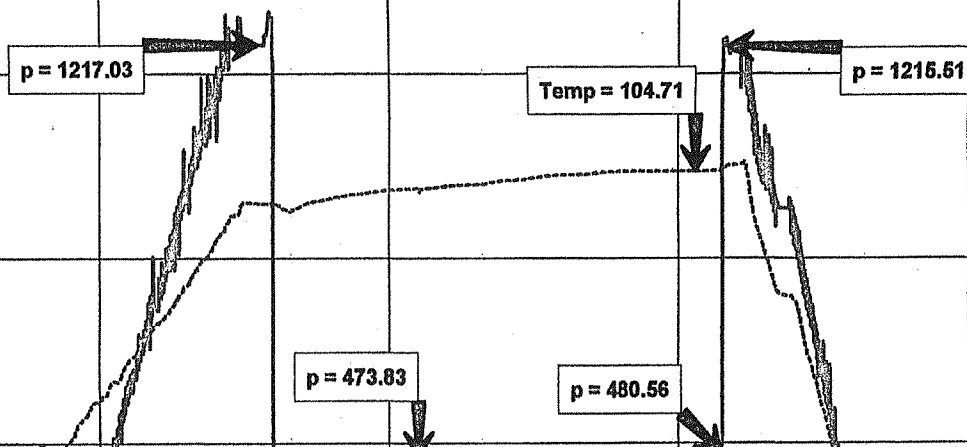
Tool sample: OCMW (15% oil, 35% mud, 50% water)

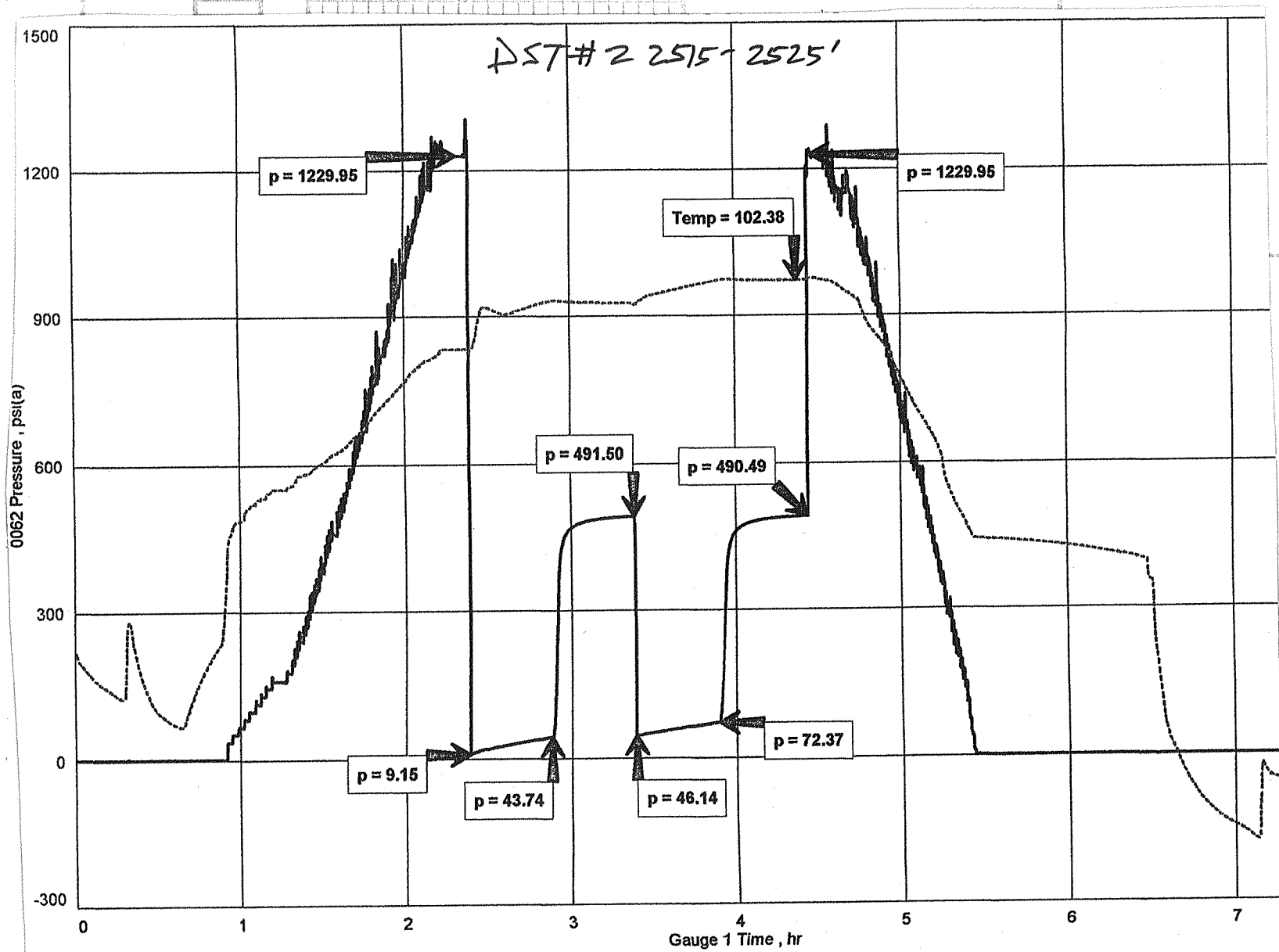
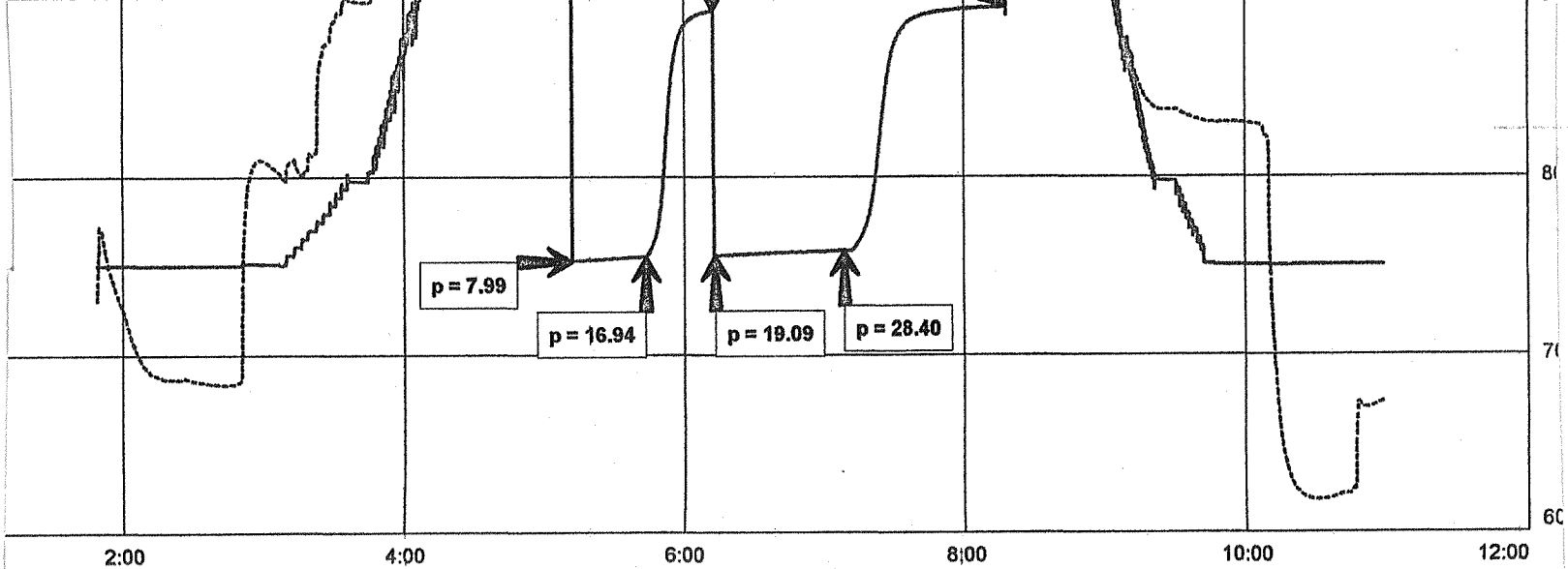
IFP 9-44# FFP 46-72#

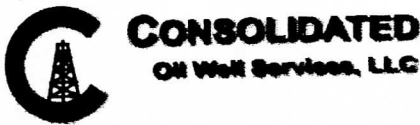
ISP 492# FSP 490#

Temp: 102 deg F, Chloride 19,000 ppm

DST #1 2486-2515'







PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

ENTERED

TICKET NUMBER 43338 ✓
LOCATION Eureka KS
FOREMAN Shannon Feck

FIELD TICKET & TREATMENT REPORT

CEMENT APF # 15-115-21459

DATE 8-10-13	CUSTOMER # 6942	WELL NAME & NUMBER Moffett D #1	SECTION	TOWNSHIP	RANGE	COUNTY man
CUSTOMER Range Oil Company Inc			Summit Drig CO Inc			
MAILING ADDRESS 9412 E Central			TRUCK # 445	DRIVER Dave G	TRUCK #	DRIVER
CITY Wichita			515	Colby N		
STATE KS	ZIP CODE 67278					

JOB TYPE 4/5 HOLE SIZE 7 7/8" HOLE DEPTH 2567' CASING SIZE & WEIGHT 5 1/2" @ 14#
 CASING DEPTH 2566 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 13.6 # SLURRY VOL 46 Bbl WATER gal/sk 9.0 CEMENT LEFT in CASING 6.25'
 DISPLACEMENT 63 1/4 DISPLACEMENT PSI 500 MIX PSI 1000 RATE 5 BPM

REMARKS: Coming Rig up to 5 1/2" casing, Break circulation w/ 5 Bbl H2O, mixed 100 # metasilicate pre flush w/ 14 Bbl, 10 Bbl H2O spacer. mixed 125 SKS Thick Set Cement w/ 5 # kol-seal/sk @ 13.6 #/gal. Shut down wash out pump + lines, displace w/ 63 1/4 Bbl H2O. Final pumping pressure of 500 psi, bumped plug @ 1000 psi. Plug + float held. Good circulation @ all times. Job complete.

"Thanks Shannon & Crew"

Ran centralizers on # 1, 3, 5, 7

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	1085.00	1085.00 ✓
5406	30	MILEAGE	4.20	126.00 ✓
1126A	125 SKS	Thick Set Cement	20.16	2520.00 ✓
1110A	6.25 #	Kol-seal @ 5 #/SK	.46	297.50 ✓
1111A	100 #	metasilicate pre flush (14-15 Bbl)	2.10	210.00 ✓
5407	6.87 Tons	Ton mileage bulk Truck	1.41	368.00 ✓
4228B	1	5 1/2" insert AFV Float Valve	180.75	180.75 ✓
4130	4	5 1/2 x 7 7/8 Centralizers	50.50	202.00 ✓
4454	1	5 1/2 Latch down Plug	266.75	266.75 ✓
			SUB Total	5246.00
			SALES TAX 7.65%	280.53 ✓
			ESTIMATED TOTAL	5526.53 ✓

Ravin 3737

AUTHORIZATION

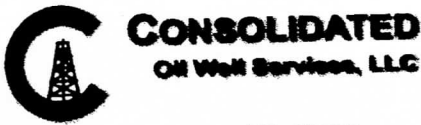
Darryl Reed

TITLE

261319

DATE

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form



PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

ENTERED COPY

TICKET NUMBER 43346
LOCATION Eureka
FOREMAN Steve Mead

FIELD TICKET & TREATMENT REPORT

CEMENT API 15-115-21459

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-3-13	6942	Moffett D #1	25	225	3E	Marion
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
Range Oil Company Inc			443	Chris B		
MAILING ADDRESS			515	Joey		
9412 E. Central						
CITY	STATE	ZIP CODE				
Wichita	Ks	67278				

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 231 CASING SIZE & WEIGHT 8 3/4 23'
 CASING DEPTH 224 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 30'
 DISPLACEMENT 13 1/2 bbls DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety Meeting: Rig up to 8 3/4 casing. With Head & Manifold. Break circulation w/ 5 bbls fresh water mix 140 sks class cement w/ 2% cact, 2% gel & 1/4 flo-cel per sk. Shut down. Release Woodson Plug. Displace w/ 13 1/4 bbls fresh water. Shut casing in. Good cement returns to surface. 12 bbl to pit. Job complete. Rig down.

Thank you

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	870.00	870.00
5406	30	MILEAGE	4.20	126.00
11045	140	Class Cement	15.70	2198.00
1102	390*	Cact 2%	.78	304.20
1118B	260*	Gel 2%	.22	57.20
1107	35*	Flo-Cel 1/4 per sk	2.47	86.45
5407*	6.58	Tan Mileage Bulk Truck	RV/C	368.00
4432	1	8 3/4 Woodson Plug	84.00	84.00
4132	2	8 3/4 Centralizers	72.50	145.00
261362				
			Sub Total	4238.85
			SALES TAX 2.65%	219.93
			ESTIMATED TOTAL	4458.78

Ravin 3737

AUTHORIZATION Dan Cox DATE _____

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