KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1053551

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 6039
Name: L. D. Drilling, Inc.
Address 1: 7 SW 26TH AVE
Address 2:
City: GREAT BEND State: KS Zip: 67530 + 6525
Contact Person: L. D. DRILLING, INC
Phone: (620) 793-3051
CONTRACTOR: License # 33350
Name: Southwind Drilling, Inc.
Wellsite Geologist: JOSH AUSTIN
Purchaser: M V PURCHASING

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
☐ Conv. to GSW
☐ Plug Back: Plug Back Total Depth
☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ ENHR Permit #:
☐ GSW Permit #:

02/03/2011	02/11/2011	02/15/2011
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-185-23648-00-00
Spot Description:
NW - NW - NW - NE Sec. 3 Twp. 22 S. R. 12 ☐ East ☐ West
276 Feet from ☐ North / ☐ South Line of Section
2563 Feet from ☐ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☐ SE ☐ SW
County: Stafford
Lease Name: Hilda Well #: 2-3
Field Name: MAX
Producing Formation: ARBUCKLE
Elevation: Ground: 1852 Kelly Bushing: 1861
Total Depth: 3720 Plug Back Total Depth: 3680
Amount of Surface Pipe Set and Cemented at: 339 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: 5800 ppm Fluid volume: 320 bbls
Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite:

Operator Name: L. D. DRILLING, INC.
Lease Name: DAVIS RANCH OWWD License #: 6039
Quarter NW Sec. 14 Twp. 21 S. R. 12 ☐ East ☐ West
County: STAFFORD Permit #: D30736

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

☐ **Letter of Confidentiality Received**
Date:
☐ **Confidential Release Date:**
☑ **Wireline Log Received**
☑ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☐ **I** ☐ **II** ☐ **III** **Approved by:** Deanna Garrison **Date:** 04/08/2011

Side Two

1053551

Operator Name: L. D. Drilling, Inc. Lease Name: Hilda Well #: 2-3

Sec. 3 Twp. 22 S. R. 12 ☐ East ☐ West County: Stafford

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken ☐ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☐ No

Cores Taken ☐ Yes ☐ No
Electric Log Run ☐ Yes ☐ No
Electric Log Submitted Electronically ☐ Yes ☐ No
(If no, Submit Copy)

List All E. Logs Run:

DUAL COMPENSATED POROSITY LOG
DUAL INDUCTION LOG
MICRORESISTIVITY LOG

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Attached	Attached	Attached

CASING RECORD ☐ New ☐ 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
SURFACE	12.25	8.625	24	339	A-CON	175	3%CC, 1/4# CF
SURFACE - Cont	12.25	8.625	24	339	COMMON	200	3%CC,2%GEL,1/4#FloSeal
PRODUCTION	7.875	5.5	14	3716	60/40 POZMIX	180	18%Salt,1/4#FS

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose: ____ Perforate ____ Protect Casing ____ Plug Back TD ____ Plug Off Zone	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
	-			
	-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	Depth
4	3610 - 3612'		

TUBING RECORD: Size: 2.875 Set At: 3677 Packer At:

Liner Run: ☐ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR. 02/15/2011

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:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)*

PRODUCTION INTERVAL:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	Hilda 2-3
Doc ID	1053551

Tops

Name	Top	Datum
ANHYDRITE	643	+1218
BASE ANHYDRITE	661	+1200
TOPEKA	2837	-976
HEEBNER	3127	-1266
TORONTO	3145	-1284
DOUGLAS	3159	-1298
BROWN LIME	3259	-1398
LANSING	3277	-1416
BASE KANSAS CITY	3495	-1634
VIOLA	3513	-1652
SIMPSON SHALE	3559	-1698
ARBUCKLE	3609	-1748

Company	**L.D. Drilling, Inc.**	Lease Name	**Hilda**		
Address	**7 SW 26th Ave**	Lease #	**2-3**		
CSZ	**Great Bend, KS 67530**	Legal Desc	**NW-NW-NW-NE**	Job Ticket	**2138**
Attn.	**Josh Austin**	Section	**3**	Range	**12W**
		Township	**22S**		
		County	**Stafford**	State	**KS**
		Drilling Cont	**Southwind Drilling Rig #2**		

Comments **Field: Max**

GENERAL INFORMATION

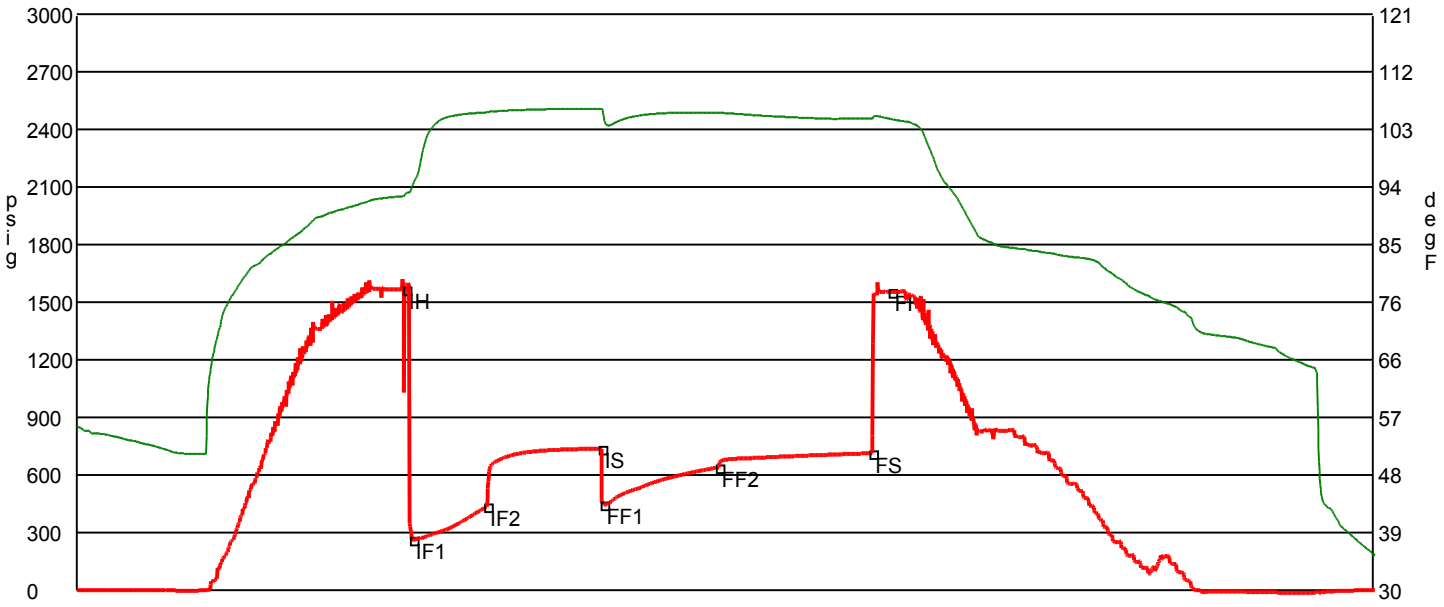
				Chokes	**3/4**	Hole Size	**7 7/8**
Test #	**1**	Test Date	**2/8/2011**	Top Recorder #	**W1119**		
Tester	**Tim Venters**			Mid Recorder #	**W1022**		
Test Type	**Conventional Bottom Hole Successful Test**			Bott Recorder #	**13310**		
# of Packers	**2.0**	Packer Size	**6 3/4**	Mileage	**88**	Approved By	
				Standby Time	**0**		
Mud Type	**Gel Chem**			Extra Equipmnt	**Jars & Safety joint**		
Mud Weight	**9.0**	Viscosity	**52.0**	Time on Site	**10:20 AM**		
Filtrate	**8.0**	Chlorides	**3000**	Tool Picked Up	**2:30 PM**		
				Tool Layed Dwn	**10:20 PM**		
Drill Collar Len	**0**						
Wght Pipe Len	**0**			Elevation	**1852.00**	Kelley Bushings	**1861.00**
Formation	**Lansing "B-F"**			Start Date/Time	**2/7/2011 1:49 PM**		
Interval Top	**3290.0**	Bottom	**3363.0**	End Date/Time	**2/7/2011 10:14 PM**		
Anchor Len Below	**73.0**	Between	**0**				
Total Depth	**3363.0**						

Blow Type **Very strong blow thoughout the initial flow period, reaching the bottom of the b ucket in 30 seconds. Gas to surface, 4 1/2 minutes. The blow back during the i nitial shut-in period took about 1 1/2 minutes to reach the bottom of the bucket . Very strong blow throughout the final flow period, hitting the bottom of the b ucket instantaneously. Gas to surface instantaneously. The blow back during the final shut-in period took about 1 minute to hit the bottom of the bucket. Times: 30, 45, 45, 60.**

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
1500	Gas in Pipe	100% 1500ft	0% 0ft	0% 0ft	0% 0ft
90	Gassy, very slight oil cut mud	7% 6.3ft	3% 2.7ft	0% 0ft	90% 81ft
250	Gassy, very heavy oil, slight mud cut water	13% 32.5ft	38% 95ft	42% 105ft	7% 17.5ft
1300	Gassy, slight oil, very slight mud cut water	8% 104ft	12% 156ft	76% 988ft	4% 52ft
125	Gassy water with a very slight trace of oil and m ud	1% 1.2ft	trace	99% 123.8ft	trace

DST Fluids **97000**



	Date	Time	Pressure	Temp	
IH	2/7/2011 3:56:20 PM	2.122222	1568.054	92.719	Initial Hydro-static
IF1	2/7/2011 3:59:00 PM	2.166667	263.787	94.008	Initial Flow (1)
IF2	2/7/2011 4:28:00 PM	2.65	438.72	105.537	Initial Flow (2)
IS	2/7/2011 5:12:40 PM	3.394444	738.68	106.082	Initial Shut-In
FF1	2/7/2011 5:13:30 PM	3.408333	448.5	105.054	Final Flow (1)
FF2	2/7/2011 5:58:30 PM	4.158333	641.331	105.44	Final Flow (2)
FS	2/7/2011 6:58:20 PM	5.155556	714.252	104.601	Final Shut-In
FH	2/7/2011 7:05:50 PM	5.280556	1555.268	104.467	Final Hydro-static

GAS FLOWS

Min Into IFP	Min Into FFP	Gas Flows	Pressure	Choke
10	0	54.25 mcf	14.50 h2o	0.75 in
20	0	30.10 mcf	4.50 h2o	0.75 in
30	0	16.00 mcf	6.00 h2o	0.50 in
0	10	4.90 mcf	0.25 h2o	0.25 in
0	20	4.76 mcf	8.00 h2o	0.25 in
0	30	6.83 mcf	16.50 h2o	0.25 in
0	40	9.50 mcf	32.00 h2o	0.25 in
0	45	9.35 mcf	31.00 h2o	0.25 in

Company	**L.D. Drilling, Inc.**	Lease Name	**Hilda**		
Address	**7 SW 26th Ave**	Lease #	**2-3**		
CSZ	**Great Bend, KS 67530**	Legal Desc	**NW-NW-NW-NE**	Job Ticket	**2138**
Attn.	**Josh Austin**	Section	**3**	Range	**12W**
		Township	**22S**		
		County	**Stafford**	State	**KS**
		Drilling Cont	**Southwind Drilling Rig #2**		
Comments	**Field: Max**				

GENERAL INFORMATION

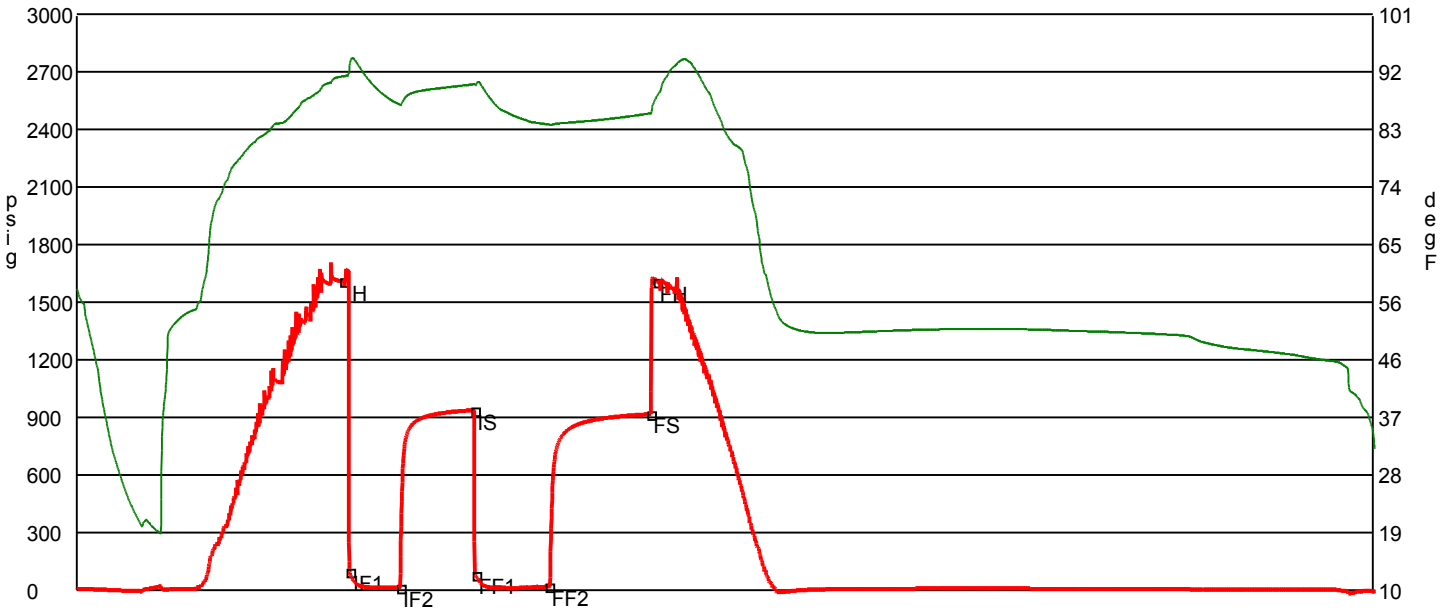
				Chokes	**3/4**	Hole Size	**7 7/8**
Test #	**2**	Test Date	**2/8/2011**	Top Recorder #	**W1119**		
Tester	**Tim Venters**			Mid Recorder #	**W1022**		
Test Type	**Conventional Bottom Hole Successful Test**			Bott Recorder #	**13310**		
# of Packers	**2.0**	Packer Size	**6 3/4**	Mileage	**88**	Approved By	
				Standby Time	**0**		
Mud Type	**Gel Chem**			Extra Equipmnt	**Jars & Safety joint**		
Mud Weight	**9.2**	Viscosity	**44.0**	Time on Site	**6:00 AM**		
Filtrate	**8.8**	Chlorides	**4200**	Tool Picked Up	**7:25 AM**		
				Tool Layed Dwn	**7:20 PM**		
Drill Collar Len	**0**						
Wght Pipe Len	**0**			Elevation	**1852.00**	Kelley Bushings	**1861.00**
Formation	**Lansing "H"**			Start Date/Time	**2/8/2011 6:29 AM**		
Interval Top	**3400.0**	Bottom	**3420.0**	End Date/Time	**2/8/2011 7:26 PM**		
Anchor Len Below	**20.0**	Between	**0**				
Total Depth	**3420.0**						

Blow Type **Very strong blow throughout the initial flow period, hitting the bottom of the b ucket instantaneously. Gas to surface in 4 minutes. Very strong blow throughou t the final flow period, hitting the bottom of the bucket instantaneously. Gas to surface, instantaneously. Times: 30, 45, 45, 60.**

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
3345	Gas in Pipe	100% 3345ft	0% 0ft	0% 0ft	0% 0ft
30	Very slight oil cut mud	0% 0ft	1% 0.3ft	0% 0ft	99% 29.7ft

DST Fluids **0**



	Date	Time	Pressure	Temp	
IH	2/8/2011 9:07:30 AM	2.641667	1610.378	91.242	Initial Hydro-static
IF1	2/8/2011 9:11:30 AM	2.708333	98.708	92.925	Initial Flow (1)
IF2	2/8/2011 9:41:40 AM	3.211111	14.49	86.718	Initial Flow (2)
IS	2/8/2011 10:26:10 AM	3.952778	939.181	90.01	Initial Shut-In
FF1	2/8/2011 10:26:50 AM	3.963889	82.107	89.816	Final Flow (1)
FF2	2/8/2011 11:10:50 AM	4.697222	19.908	83.614	Final Flow (2)
FS	2/8/2011 12:11:50 PM	5.713889	918.698	85.399	Final Shut-In
FH	2/8/2011 12:15:40 PM	5.777778	1607.989	88.07	Final Hydro-static

GAS FLOWS

Min Into IFP	Min Into FFP	Gas Flows	Pressure	Choke
10	0	102.00 mcf	15.50 psig	1.00 in
20	0	81.60 mcf	10.00 h2o	1.00 in
30	0	70.70 mcf	7.50 h2o	1.00 in
0	10	103.00 mcf	16.00 h2o	1.00 in
0	20	77.50 mcf	9.00 h2o	1.00 in
0	30	65.80 mcf	6.50 h2o	1.00 in
0	40	60.50 mcf	5.50 h2o	1.00 in
0	45	57.70 mcf	5.00 h2o	1.00 in

Company	**L.D. Drilling, Inc.**	Lease Name	**Hilda**		
Address	**7 SW 26th Ave**	Lease #	**2-3**		
CSZ	**Great Bend, KS 67530**	Legal Desc	**NW-NW-NW-NE**	Job Ticket	**2138**
Attn.	**Josh Austin**	Section	**3**	Range	**12W**
		Township	**22S**		
		County	**Stafford**	State	**KS**
		Drilling Cont	**Southwind Drilling Rig #2**		

Comments **Field: Max**

GENERAL INFORMATION

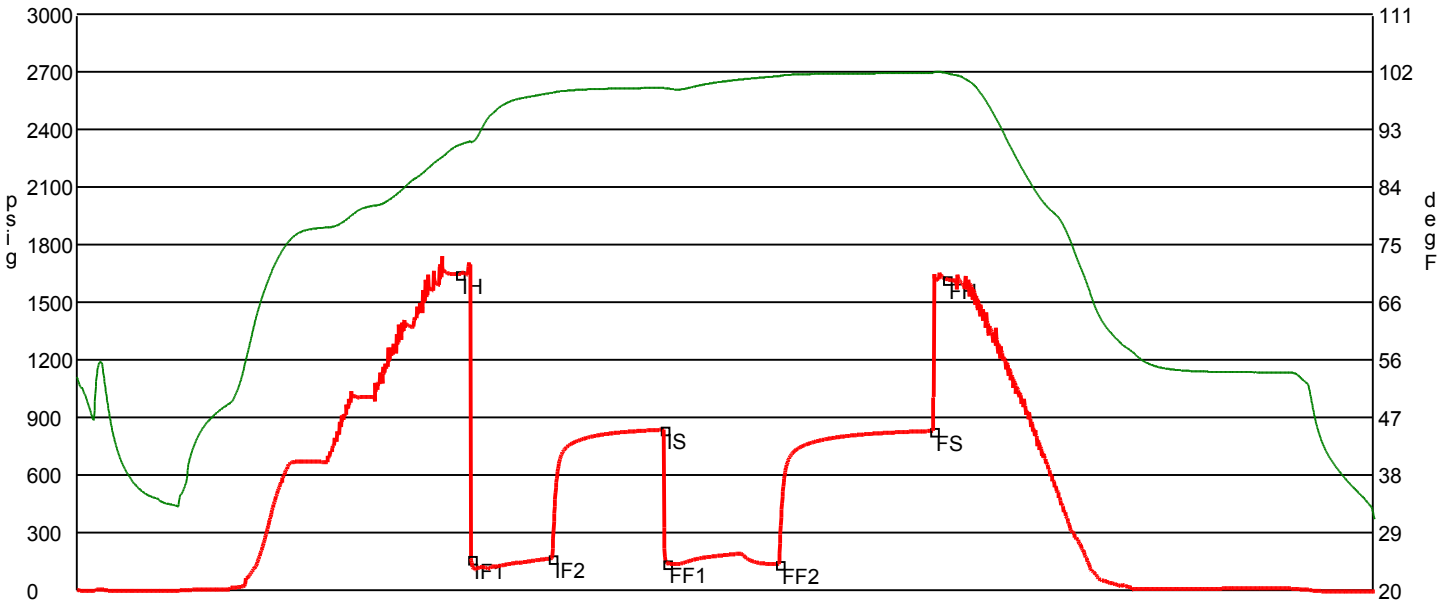
				Chokes	**3/4**	Hole Size	**7 7/8**
Test #	**3**	Test Date	**2/9/2011**	Top Recorder #	**W1119**		
Tester	**Tim Venters**			Mid Recorder #	**W1022**		
Test Type	**Conventional Bottom Hole**			Bott Recorder #	**13310**		
	Successful Test						
# of Packers	**2.0**	Packer Size	**6 3/4**	Mileage	**0**	Approved By	
				Standby Time	**0**		
Mud Type	**Gel Chem**			Extra Equipmnt	**Jars & Safety joint**		
Mud Weight	**9.3**	Viscosity	**50.0**	Time on Site	**6:00 AM**		
Filtrate	**8.8**	Chlorides	**5000**	Tool Picked Up	**11:35 AM**		
				Tool Layed Dwn	**7:10 PM**		
Drill Collar Len	**0**						
Wght Pipe Len	**0**			Elevation	**1852.00**	Kelley Bushings	**1861.00**
Formation	**Lansing "J-K"**			Start Date/Time	**2/9/2011 10:53 AM**		
Interval Top	**3426.0**	Bottom	**3489.0**	End Date/Time	**2/9/2011 7:22 PM**		
Anchor Len Below	**63.0**	Between	**0**				
Total Depth	**3489.0**						

Blow Type **Strong blow throughout the intial flow period, reaching the bottom of the bucket instantaneously. Gas to surface in 18 minutes. Very strong blow back during t he intial shut-in period that hit the bottom of the bucket in 30 seconds. Very strong blow throughout the final flow period, hitting the bottom of the bucket i nstantaneously. Gas to surface instanteously. Times: 30, 45, 45, 60.**

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
3175	Gas in Pipe	100% 3175ft	0% 0ft	0% 0ft	0% 0ft
100	Very gassy, very slight oil cut mud	18% 18ft	1% 1ft	0% 0ft	81% 81ft
60	Very gassy, heavy oil, water cut mud	13% 7.8ft	30% 18ft	17% 10.2ft	40% 24ft
65	Very gassy, heavy water, heavy mud cut oil	20% 13ft	37% 24ft	21% 13.6ft	22% 14.3ft
60	Very gassy, heavy oil, heavy mud cut water	27% 16.2ft	20% 12ft	36% 21.6ft	17% 10.2ft

DST Fluids **60000**



	Date	Time	Pressure	Temp	
IH	2/9/2011 1:22:20 PM	2.488889	1647.064	90.395	Initial Hydro-static
IF1	2/9/2011 1:27:00 PM	2.566667	163.593	90.832	Initial Flow (1)
IF2	2/9/2011 1:58:50 PM	3.097222	167.56	98.62	Initial Flow (2)
IS	2/9/2011 2:42:50 PM	3.830556	837.614	99.435	Initial Shut-In
FF1	2/9/2011 2:43:50 PM	3.847222	141.91	99.331	Final Flow (1)
FF2	2/9/2011 3:28:10 PM	4.586111	137.585	101.274	Final Flow (2)
FS	2/9/2011 4:28:50 PM	5.597222	830.844	101.781	Final Shut-In
FH	2/9/2011 4:33:50 PM	5.680556	1621.12	101.75	Final Hydro-static

GAS FLOWS

Min Into IFP	Min Into FFP	Gas Flows	Pressure	Choke
20	0	27.65 mcf	20.50 h2o	0.50 in
30	0	30.70 mcf	24.00 h2o	0.50 in
0	10	38.70 mcf	7.50 h2o	0.75 in
0	20	44.80 mcf	10.00 h2o	0.75 in
0	30	331.00 mcf	15.00 psig	0.75 in
0	40	51.40 mcf	13.00 h2o	0.75 in
0	45	374.00 mcf	7.00 h2o	0.75 in

Company	**L.D. Drilling, Inc.**	Lease Name	**Hilda**		
Address	**7 SW 26th Ave.**	Lease #	**2-3**		
CSZ	**Great Bend, KS 67530**	Legal Desc	**NW-NW-NW-NE**	Job Ticket	**2138**
Attn.	**Josh Austin**	Section	**3**	Range	**12W**
		Township	**22S**		
		County	**Stafford**	State	**KS**
		Drilling Cont	**Southwind Drilling Rig #2**		

Comments **Field: Max**

GENERAL INFORMATION

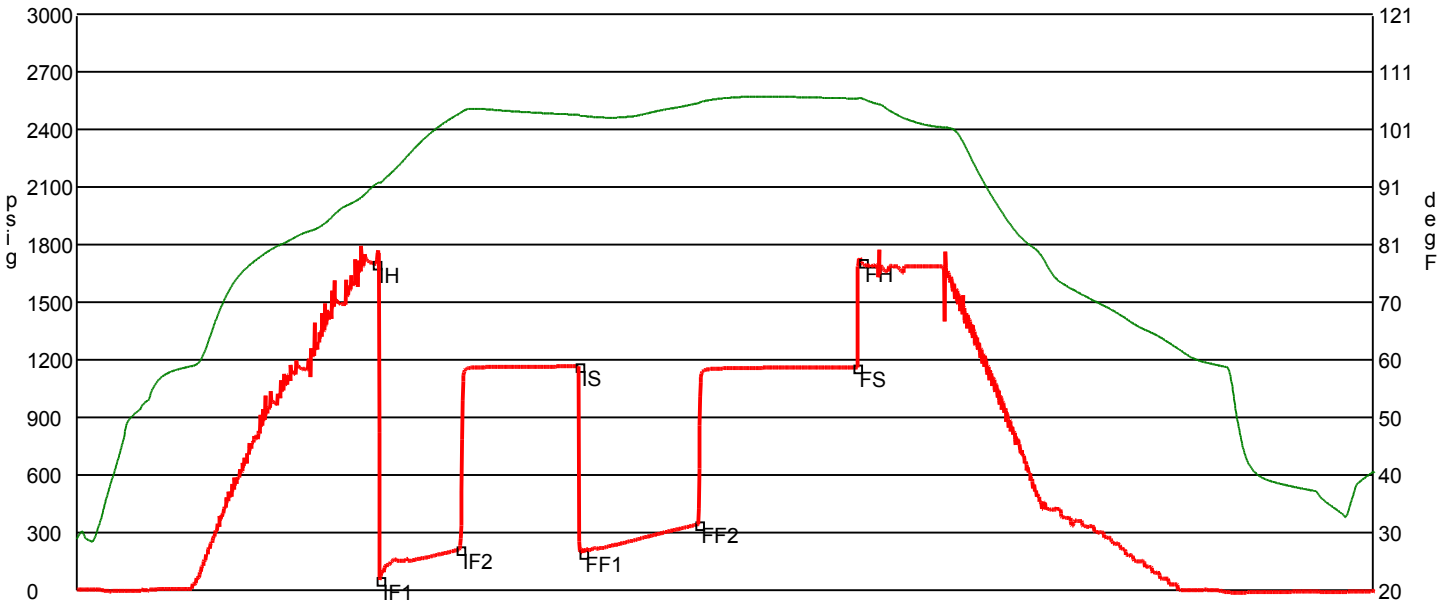
				Chokes	**3/4**	Hole Size	**7 7/8**
Test #	**4**	Test Date	**2/10/2011**	Top Recorder #	**13767**		
Tester	**Jimmy Ricketts**			Mid Recorder #			
Test Type	**Conventional Bottom Hole Successful Test**			Bott Recorder #	**w1023**		
# of Packers	**2.0**	Packer Size	**6 3/4**	Mileage	**88**	Approved By	
				Standby Time	**0**		
Mud Type	**Gel Chem**			Extra Equipmnt	**Jars & Safety Joint**		
Mud Weight	**9.3**	Viscosity	**50.0**	Time on Site	**9:00 AM**		
Filtrate	**10.4**	Chlorides	**5800**	Tool Picked Up	**9:40 AM**		
				Tool Layed Dwn	**4:20 PM**		
Drill Collar Len	**0**						
Wght Pipe Len	**0**			Elevation	**1852.00**	Kelley Bushings	**1861.00**
Formation	**Arbuckle**			Start Date/Time	**2/10/2011 9:26 AM**		
Interval Top	**3556.0**	Bottom	**3613.0**	End Date/Time	**2/10/2011 5:33 PM**		
Anchor Len Below	**57.0**	Between	**0**				
Total Depth	**3613.0**						

Blow Type **Strong blow throughout initial flow period. Strong blow back during initial shut -in period. Weak blow building to strong blow 2 minutes into final flow. Strong blow back during final shut-in period. Times: 30, 45, 45, 60. API gravity was 43.**

RECOVERY

Feet	Description	Gas		Oil		Water		Mud	
240	Gassy heavy oil cut mud	6%	14.4ft	14%	33.6ft	0%	0ft	80%	192ft
660	Very gassy clean oil	0%	0ft	100%	660ft	0%	0ft	0%	0ft

DST Fluids **0**



	Date	Time	Pressure	Temp	
IH	2/10/2011 11:17:20 AM	1.855556	1702.38	91.236	Initial Hydro-static
IF1	2/10/2011 11:18:50 AM	1.880556	53.665	91.459	Initial Flow (1)
IF2	2/10/2011 11:48:50 AM	2.380556	214.085	103.662	Initial Flow (2)
IS	2/10/2011 12:33:30 PM	3.125	1167.124	103.406	Initial Shut-In
FF1	2/10/2011 12:35:00 PM	3.15	195.925	103.213	Final Flow (1)
FF2	2/10/2011 1:18:40 PM	3.877778	346.076	105.483	Final Flow (2)
FS	2/10/2011 2:18:10 PM	4.869444	1162.551	106.245	Final Shut-In
FH	2/10/2011 2:20:10 PM	4.902778	1710.5	106.282	Final Hydro-static

GAS FLOWS

Min Into IFP	Min Into FFP	Gas Flows	Pressure	Choke
0	25	12.40 mcf	12.00 h2o	0.38 in
0	35	9.50 mcf	7.50 h2o	0.38 in
0	45	10.10 mcf	8.00 h2o	0.38 in

BASIC ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET

1718 02672 A

DATE TICKET NO.

DATE OF JOB 2-4-2011 DISTRICT PRATT, Ks.	NEW WELL ☒ OLD WELL ☐ PROD ☐ INJ ☐ WDW ☐ CUSTOMER ORDER NO.:
CUSTOMER LD DRILLING, INC.	LEASE HILDA WELL NO 2-3
ADDRESS	COUNTY STAFFORD STATE Ks.
CITY STATE	SERVICE CREW LESLEY, WISER, HUNTER
AUTHORIZED BY	JOB TYPE: CNW - 8 5/8" SP

EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS
19870	1				
19903/19905	1				
[redacted]					
19960/19918	1				

	DATE		TIME
TRUCK CALLED	2-3-11	AM PM	8:00
ARRIVED AT JOB		AM PM	10:00
START OPERATION	2-4-11	AM PM	12:00
FINISH OPERATION		AM PM	12:55
RELEASED		AM PM	1:30
MILES FROM STATION TO WELL			45

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).
The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

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

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	$ AMOUNT
CP101	A-CON BLEND	SK	175		3,150 00
CP100	COMMON	SK	200		3,200 00
CC 102	CELL-FLAKE	lb	94		347 80
CC 109	CALCIUM CHLORIDE	lb	1059		1,111 95
CC 200	CEMENT GEL	lb	376		94 00
CF 153	WOODEN CMT. PLUG, 5 5/8"	EA	1		110 00
E 100	PICKUP MILEAGE	MI	45		191 25
E 101	HEAVY EQUIPMENT MILEAGE	MI	90		630 00
E 113	BULK DELIVERY	TM	794		1,270 90
CE200	DEPTH CHARGE; 0-500'	HRS	1-4		1,000 00
CE 240	BLENDING SERVICE CHRG.	SK	375		525 00
CE 504	PLUG CONTAINER CHRG.	JOB	1		250 00
S 003	SERVICE SUPERVISOR	EA	1		175 00

SUB TOTAL 8,474 06

CHEMICAL / ACID DATA:			

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

SERVICE REPRESENTATIVE [signature]

THE ABOVE MATERIAL AND SERVICE WERE ORDERED BY CUSTOMER AND RECEIVED BY: [signature]
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

CLOUD LITHO - Abilene, TX

BASIC energy services, L.P.

TREATMENT REPORT

Customer: LD DRILLING, INC.	Lease No.	Date: 2-4-2011	
Lease: HILDA	Well #: 2-3 TD		
Field Order #: 2612	Station: PRATT, KS.	Casing: 8 5/8"	Depth: 350'
County: STAFFORD	State: KS.		
Type Job: CNW - 8 5/8" S.P.	Formation	Legal Description: 3-28-12	

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size: 8 5/8	Tubing Size	Shots/Ft	CMT-	Acid: 175 SK A-CON	RATE	PRESS	ISIP
Depth: 339'	Depth	From	To	Pre Pad @ 2.12 CUFT³	Max		5 Min.
Volume	Volume	From	To	Pad 200 SK COMMON	Min		10 Min.
Max Press: 400 PSI	Max Press	From	To	Frac @ 1.34 CUFT³	Avg		15 Min.
Well Connection: PSI	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth: 330'	Packer Depth	From	To	Flush 21 BBL	Gas Volume		Total Load

Customer Representative: LD DAVIS | Station Manager: D. SCOTT | Treater: K. LESLEY

Service Units	19870	19903	19905	19900	19918						
Driver Names	LESLEY	WISER		HUNTER							

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
10:00PM					ON LOCATION - SAFETY MEETING
10:45PM					RUN 8 JTS. - 8 5/8" x 24#
11:45PM					CSG. ON BOTTOM
11:47PM					HOOK UP TO CSG. - BREAK CIRC. W/ RIG
11:59PM					SWITCH OVER TO PUMP TRUCK
12:01AM	400		5	5	H2O AHEAD
12:02AM	400		66	5	MIX 175 SKS A-CON @ 12.6# / GAL
12:35AM	300		48	5	MIX 200 SKS COMMON @ 15.6# / GAL
12:45AM					SHUT DOWN - RELEASE PLUG
12:49AM	0		0	5	START DISPLACEMENT
12:52AM	100		15	4	SLOW RATE
12:55AM	200		21	3	PLUG DOWN - CLOSE IN HEAD
					CIRCULATION THRU JOB
					CIRCULATED 10 BBL TO PIT
					JOB COMPLETE,
					THANKS -
					KEEVEN (LESLEY)

Taylor Printing, Inc 620-672-3656

BASIC ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET

1718 03607 A

3-22S-12W

DATE TICKET NO.

DATE OF JOB 2-11-11 DISTRICT Pratt, Kansas	NEW WELL ☑ OLD WELL ☐ PROD ☐ INJ ☐ WDW ☐ CUSTOMER ORDER NO.:
CUSTOMER L. D. Drilling, Incorporated	LEASE Hilda WELL NO. 2-3
ADDRESS	COUNTY Stafford STATE Kansas
CITY STATE	SERVICE CREW C. Messick; J. Anthony; J. Fenwick
AUTHORIZED BY	JOB TYPE: C. N. W. - Longstring

EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS
37,216	1				
33,708-20,920	1				
19,960-19,918	1				

	DATE	AM/PM	TIME
TRUCK CALLED	2-11-11	AM	1:00
ARRIVED AT JOB		AM	3:00
START OPERATION		AM	6:45
FINISH OPERATION		AM	7:45
RELEASED	2-11-11	AM	8:00
MILES FROM STATION TO WELL			45

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).
The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: L. D. Davis By D. Scott
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	$ AMOUNT
CP103	60/40 Poz Cement	Sk	150		1,800 00
CP103	60/40 Poz Cement	Sk	50		600 00
CC102	Cello Flake	Lb	38		140 60
CC111	Salt	Lb	1334		667 00
CC112	Cement Friction Reducer	Lb	65		390 00
CC201	Gilsonite	Lb	750		502 50
CF103	Top Rubber Plug, 5½"	ea	1		105 00
CF251	Regular Guide Shoe, 5½"	ea	1		250 00
CF1451	Insert Float Valve, 5½"	ea	1		215 00
CF1651	Turbolizer, 5½"	ea	7		770 00
C204	Claymax	Gal	1		35 00
CC151	Mud Flush	Gal	500		430 00
E100	Pickup Mileage	mi	45		191 25
E101	Heavy Equipment Mileage	mi	90		630 00
E113	Bulk Delivery	tm	387		619 20
CE204	Cement Pump: 3,001 Feet To 4,000 Feet	hrs	4		2,160 00
CE240	Blending and Mixing Service	Sk	200		280 00
CE504	Plug Container	Job	1		250 00
5003	Service Supervisor	Job	1		175 00

CHEMICAL / ACID DATA:			

SUB TOTAL	DLS $	7351 60
SERVICE & EQUIPMENT	%TAX ON $	
MATERIALS	%TAX ON $	
TOTAL		

SERVICE REPRESENTATIVE Terrance R. Messick

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: L. D. Davis By D Scott
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

CLOUD LITHO - Abilene, TX

BASIC energy services, L.P.

TREATMENT REPORT

Customer: L.D. Drilling, Incorporated	Lease No.	Date: 2-11-11	
Lease: Hilda	Well #: 2-3		
Field Order #: 3607	Station: Pratt, Kansas	Casing: 5 1/2 14 Lb	Depth: 3716 Feet
County: Stafford	State: Kansas		
Type Job: C.N.W. - Longstring	Formation	Legal Description: 3-22S-12W	

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size: 5 1/2 14 Lb	Tubing Size: O.H.	Shots/Ft	150 sacks 60/40 Poz with 6% Gel	Acid	RATE	PRESS	ISIP
Depth: 3716 Feet	Depth	From	To 18% Salt .5% Friction	Pre Pad	Max Reducer, .25 Lb/sk Cellflake,		5 Min.
Volume: 90.1 Bbl.	Volume	From	To 5 Lb/sk Gilsonite	Pad	Min 15.4 Lb/Gal		10 Min.
Max Press: 1000 P.S.I.	Max Press	From	To	Frac	Avg		15 Min.
Well Connection: Dry Container	Annulus Vol.	From	To 30 sacks 60/40 Poz to Plug Rat Hole	HHP Used			Annulus Pressure
Plug Depth: 3680 Feet	Packer Depth	From	To	Flush 90 Bbl. Fresh Water	Gas Volume		Total Load

Customer Representative: L.D. Davis | Station Manager: David Scott | Treater: Clarence R. Messick

Service Units	37216	33708	20920	19960	19918						
Driver Names	Messick	Anthony		Fenwick							

Time P.M.	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
3:00		Cementer and Float Equipment on location.			
4:15	South Wind Drilling start to run Regular Guide Shoe, Shoe Joint with Auto Fill Insert screwed into collar and a total of 88 Joints new 14 Lb/Ft 5 1/2" casing. A Turbolizer was installed on Collars # 1, 2, 3, 4, 6, 8, and # 10.				
5:50					Casing in well. Circulate for 50 minutes
6:25	Trucks on location and hold safety meeting.				
6:45	300			5	Start 28 HCL Pre. Flush.
	2500				Stop pumping. Shut in well. Pressure Test. Open Well.
	300		5	5	Finish 28 HCL Pre-Flush.
	325		20	5	Start Mud Flush.
			32	5	Start Fresh Water Spacer.
6:55	350		37	5	Start mixing 150 sacks 60/40 Poz cement.
	-0-		72		Stop pumping. Shut in well. Wash pump and lines.
					Release Top Rubber Plug. Open Well.
	100			6.5	Start Fresh Water Displacement.
				5	Start to lift cement.
7:20	700		90		Plug down.
	1,000				Pressure up.
					Release pressure. Insert held.
	-0-		7	3	Plug Rat Hole.
					Wash up pump truck.
8:00					Job Complete.

10244 NE Hiway 61 • P.O. Box 8613 • Pratt, KS 67124-8613 • (620) 672-1201 • Fax (620) 672-5383

Thank You. Clarence, James, Jeff

Taylor Printing, Inc. 620-672-3656

Musgrove

James C. Musgrove
Petroleum Geologist

Office (620) [illegible]-4250 · 212 Main St. · P.O. Box 246 · Claflin, KS 67525 · Home (620) [illegible]

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY L.D. Drilling Inc.
LEASE Hilda #2-3
FIELD Max
LOCATION nw-nw-nw-ne (276' FNL & 2563' FEL)
SEC 3 TWSP 22s RGE 12w
COUNTY Stafford STATE Kansas
CONTRACTOR Southwind Drilling (rig #2)
SPUD 2-3-2011 COMP 2-11-2011
RTD 3720 LTD 3720
MUD UP 2800' TYPE MUD chemical displaced

ELEVATIONS
KB 1861
DF
GL 1852
Measurements Are All From -K.B.-

CASING
SURFACE 8⅝" @ 350'
PRODUCTION 5½" @ 3719'

ELECTRICAL SURVEYS
By Log Tech

SAMPLES SAVED FROM 2800' TO RTD 3720'
DRILLING TIME KEPT FROM 2800' TO
SAMPLES EXAMINED FROM 2800' TO
GEOLOGICAL SUPERVISION FROM 2900' TO
GEOLOGIST ON WELL Josh Austin & Jim Musgrove

FORMATION TOPS	LOG		[redacted] LOG		
anhydrite	643	+1218	Simpson Sh.	3559	-1698
Base anhydrite	661	+1200	arbuckle	3609	[redacted] -1748
Topeka	2837	-976	RTD	3720	-1859
Heebner	3127	-1266	LTD	3720	-1859
Toronto	3145	-1284			
Douglas	3159	-1298			
Brown Lime	3259	-1398			
Lansing	3277	-1416			

3

KS

5½" production casing was set and cemented at 3719'.

Respectfully Submitted;
Joshua R. Austin & James C. Musgrove
Petroleum Geologists

LEGEND
Dolomite
Chert
Cal Lime
Limestone
Carb sh
Shale
Sandstone
Salt
Anhydrite

REMARKS

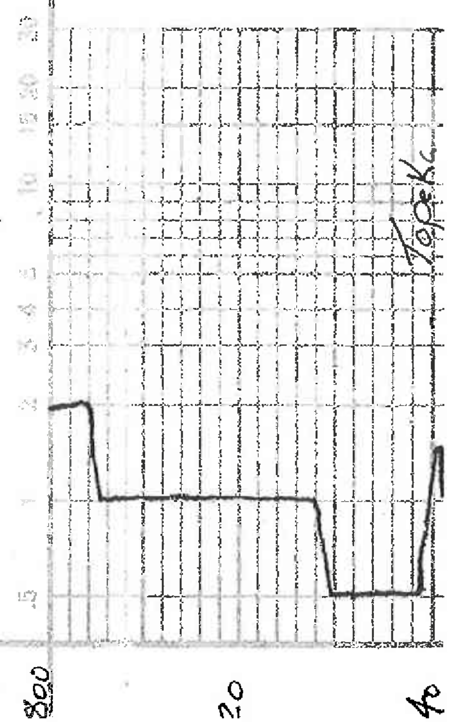
SAMPLE DESCRIPTIONS

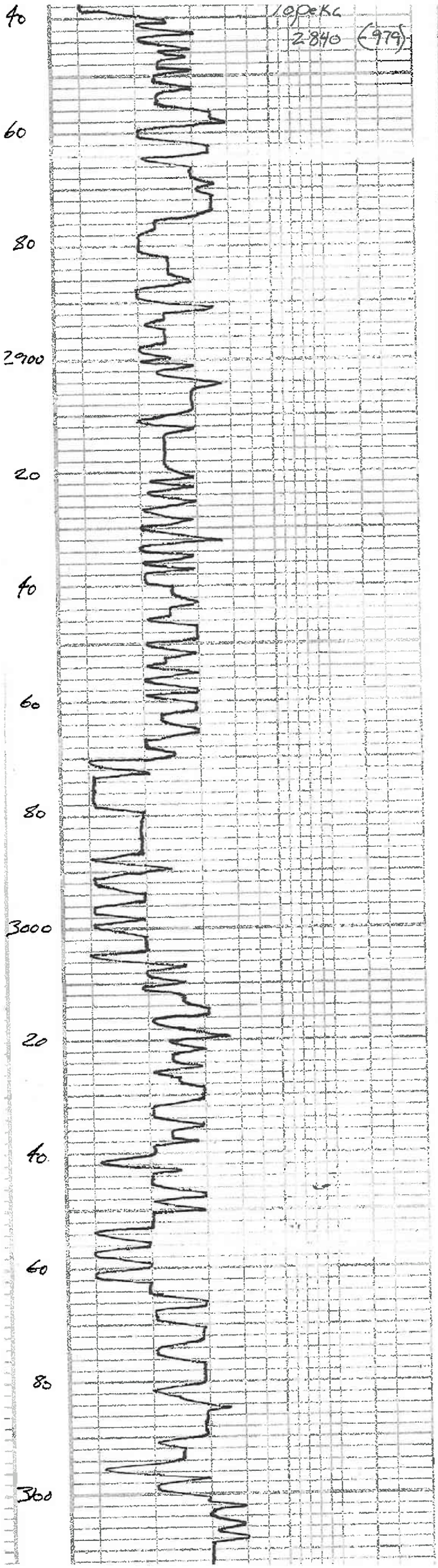
Sand, gry, vf-f, Silty, Mic, Poor 19', N/S

DRILLING TIME (Logarithmic Scale)

DEPTH

2800





LS gry - crm fxl sl.
foss dense poor vis

LS crm fxl foss in part
slightly grn n/s

LS tan/gry chlky
few scatt n/s

LS wh crm-gry fxl
grn in part

blk carb sh
+ gry/mar shale

LS tan-gry slightly foss
poorly dev Δy in part

LS ca grn n/s
+ gry-tan bmgy Δ

Trace blk carb sh.

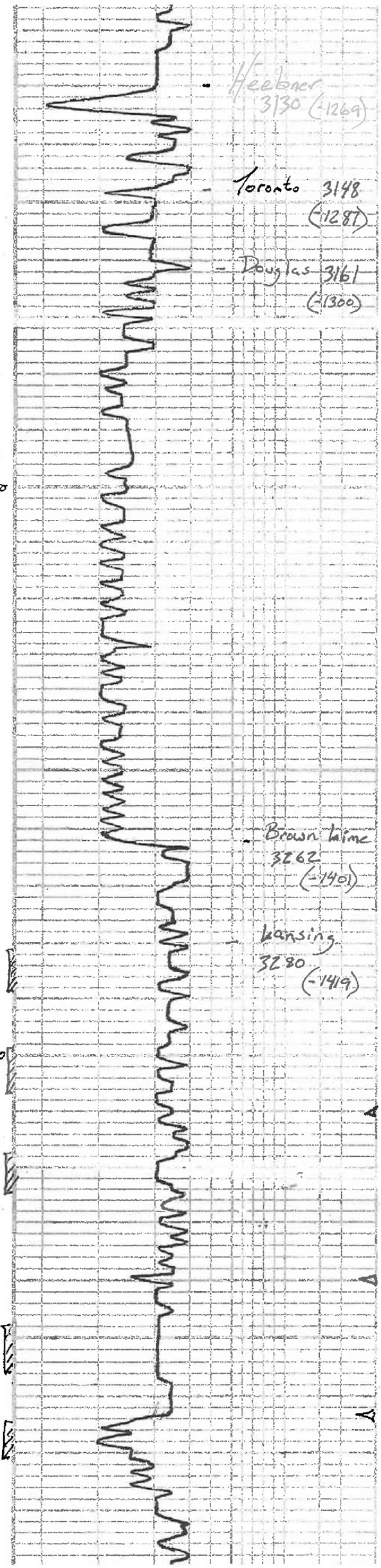
LS crm fxl foss chlky
Poor Δ wh chlk

LS tan-gry fxl dense
poor vis Δ in part n/s

KB 1861

LS tan-brn fxl dense
Δy poor vis

tr crm oolitic bmgy Δ



blk carb Shale

Ls; wht-crm f-med xl Scatt IXL type; fr golden brn Stn NSFO / very faint odor

gry - grayish green Soft slightly mica Shale

Shale, as above silty / mica

gry - grayish green silty mica Shale

trace siltstone mica gry

gry - dak gry soft mica shale

Ls; tan - buff fxl dense dy

Ls; crm - gry fxl chlky dense few foss Poorly dev'd N/S

Ls. crm f-med xl Slightly foss Chlky in part, fr golden brn Stn NSFO faint odor

Ls; aa fr FO Ft. fr odor ??? gas bubble

Ls; gry - crm chlky in part Poorly dev'd fr brn stn faint odor NSFO

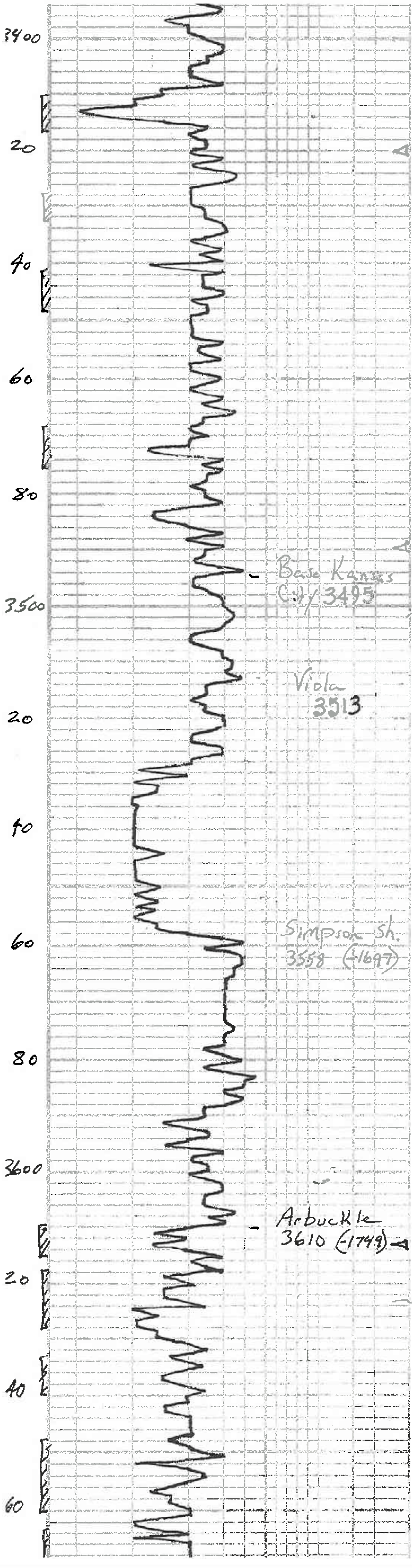
Ls. wh/crm slightly ool chlky few scatt'd golden brn stn & spotty FO ft odor

Ls. gry ool in part grn poorly dev'd fr gry-blk stn NSFO No odor

Ls. crm - lt. gry fxl chlky

DST #1 3290-3363
30 - 45 - 45 - 60
Blow: Strong OBB in 30sec
GTS in 4½ min
Final: OBB immed
Shut in's OBB
Gas gauged 54.25 mcf to 9.35 mcf
Recovery 90' GIP 500 cm
250' HOCMW
(13% gas 38% oil 42% water 7% mud)
1300' sli. o mcw
(8% gas 12% oil 76% water 4% mud)
125' water scum of oily mud
Pressures; ISIP 739 psi
FSIP 714 "
IFP 264-438 "
FFP 448-641 "
HSH 1568 - 1555 "

DST #2 3400-3420
30 - 45 - 45 - 60



tr. gry bony Δ

LS: crm/gry oom chlky fr-good oom; dk brn stn SFO ft-fr odor

LS: crm fxl chlky sl. ool poorly dev. golden brn stn NFO ft odor + gry-wh bony Δ

LS: crm/wh ool chlky few scatt ool type golden brn stn tr FO ft-fr odor tr vuggy type

LS: crm-lt gry fxl chlky ool in part vuggy few dense SFO gry-brn stn fr odor

LS: crm-buff fxl dense sl Δy tr brn stn poor

blk carb shale + gry-grysh green silty shale
Sand, vfg cal w/s

LS: gry f-mdxl mott dense

Chert: tan-crm-wh bony semi trip trace blk edge stng NSFO gassy odor

Chert: crm - wh bony + weathered chert spotty brn stn slightly dolomitic NSFO fr odor

green - mar shale

Shale as above

trace sand brown - buff fine-medium grained sub & sub rounded fr lg? spotty brn stn NSFO no odor + gry - green sh

Sand: tan-brn fine-md grain sub & slightly dolomitic brn stn spotty SFO fr odor

Dolomite: gry-tan fxl dense tr vuggy type; golden brn-brn stn SFO fr odor

dol; gry-tan; f-med xl; suc in part; fr pp Ix-Lg; brown - light brown stn; SFO; odor

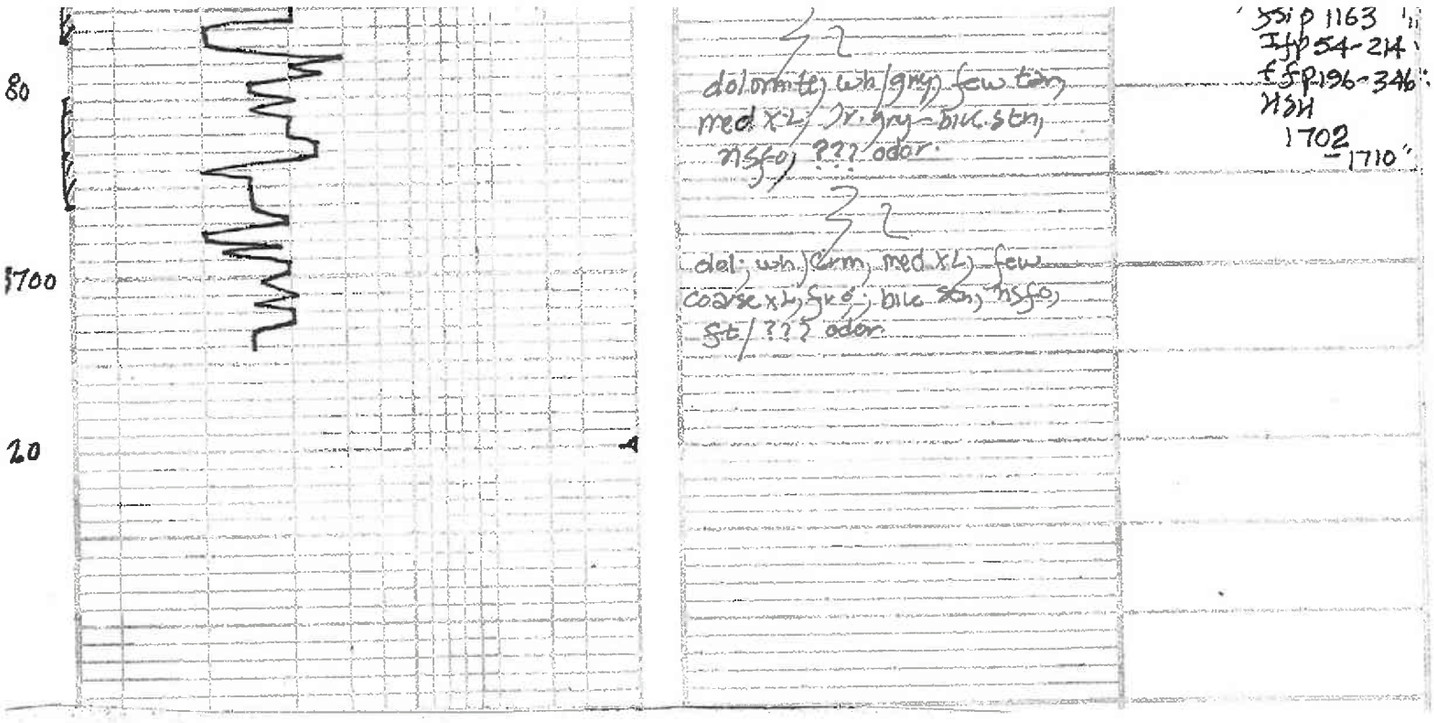
dol; aa; inc; gry-pk; dense dolomite, brown stn, fr SFO; odor

dolomite aa; dec stn; odor + wh Δ; FeS2 (stn gry-blk)

GTS in 4 min
Final; OBB immed, GTS
gas gauged 102.00 mcF to 57.70 mcF
Recovery 30' very slightly oil cut mud
Pressures ISIP 939 PSI
FSIP 918 "
IFP 99-14 "
FFP 82-20 "
HSH 1610 "
-1607

DST #3 3426-3489
30-45-45-60
Blow. Strong OBB immed / GTS in 18 min
Final GTS immed
Recovery 100' vsocm
60' o & wcm
65' gw & mco
60' go & mcw
Pressures ISIP 837 PSI
FSIP 830 "
IFP 163-167 "
FFP 141-137 "
HSH 1647 "
-1621
gas gauged 27.65 mcF to 374.00 mcF

DST # 4 3556 - 3613
30-45-45-60
Blow, Strong; G.T.S. 25 mins into final flow.
gas gauged as follows
SSP
25 mins G.T.S. 12,400 cfgpd
35 " 9,500 "
45 " 10,100 "
Recovery, 660' Gassy oil
240' oil & gas cut mud
(14% oil; 6% gas; 80% mud)



SSIP 1163
IFP 54-214
FSP 196-346
MSH
1702 - 1710'