Schlumberger

Company: **Omimex Petroleum Inc**

Well: **Denney State 5-36-7-45**
Field: **Holyoke South**
County: **Phillips** State: **Colorado**

County: Phillips
Field: Holyoke South
Location: 2502' FNL & 513' FWL
Well: Denney State 5-36-7-45
Company: Omimex Petroleum Inc

CEMENT BOND
GAMMA RAY
CASING COLLAR LOG

LOCATION

2502' FNL & 513' FWL

Elev.: K.B. 3783.00 ft
G.L. 3777.00 ft
D.F.

Permanent Datum: GROUND LEVEL Elev.: 3777.00 ft
Log Measured From: KELLY BUSHING 6.00 ft above Perm. Datum
Drilling Measured From: KELLY BUSHING

API Serial No.	Section	Township	Range
05-095-06279-0000	36	7N	45W

Logging Date	10-Dec-2014	
Run Number	1	
Depth Driller	2761 ft	
Schlumberger Depth	2692 ft	
Bottom Log Interval	2680 ft	
Top Log Interval	0 ft	
Casing Fluid Type	WATER	
Salinity		
Density	8.4 lbm/gal	
Fluid Level		
BIT/CASING/TUBING STRING		
Bit Size	6.250 in	
From		
To		
Casing/Tubing Size	4.500 in	
Weight	10.5 lbm/ft	
Grade		
From		
To		
Maximum Recorded Temperatures	117 degF	
Logger On Bottom / Time	10-Dec-2014 / 10:08	
Unit Number / Location	354 / FORT MORGAN	
Recorded By	C MARCH	
Witnessed By	JEREMY FISHER	

		Run 1	Run 2
PVT DATA	Oil Density		
	Water Salinity		
	Gas Gravity		
	Bo		
	Bw		
	1/Bg		
	Bubble Point Pressure		
	Bubble Point Temperature		
	Solution GOR		
	Maximum Deviation		
CEMENTING DATA			
	Primary/Squeeze	Primary	
	Casing String No		
	Lead Cement Type		
	Volume		
	Density		
	Water Loss		
	Additives		
	Tail Cement Type		
	Volume		
	Density		
	Water Loss		
	Additives		
	Expected Cement Top		

Logging Date		
Run Number		
Depth Driller		
Schlumberger Depth		
Bottom Log Interval		
Top Log Interval		
Casing Fluid Type		
Salinity		
Density		
Fluid Level		
BIT/CASING/TUBING STRING		
Bit Size		
From		
To		
Casing/Tubing Size		
Weight		
Grade		
From		
To		
Maximum Recorded Temperatures		
Logger On Bottom / Time		
Unit Number / Location		
Recorded By		
Witnessed By		

Run 3

Run 4

DEPTH SUMMARY LISTING

Date Created: 10-DEC-2014 10:12:25

Depth System Equipment

Depth Measuring Device		Tension Device		Logging Cable	
Type:	IDW-B	Type:	CMTD-B/A	Type:	1-25ZT
Serial Number:	6216	Serial Number:	1163	Serial Number:	354
Calibration Date:	21-JAN-2014	Calibration Date:	31-OCT-2014	Length:	16000 FT
Calibrator Serial Number:	1	Calibrator Serial Number:	1	Conveyance Method:	Wireline
Calibration Cable Type:	1-25ZT	Number of Calibration Points:	0	Rig Type:	LAND
Wheel Correction 1:	-5				
Wheel Correction 2:	-5				

Depth Control Parameters

Log Sequence:	First Log In the Well
Rig Up Length At Surface:	0.00 FT
Rig Up Length At Bottom:	0.00 FT
Rig Up Length Correction:	0.00 FT
Stretch Correction:	
Tool Zero Check At Surface:	

Depth Control Remarks

1. IDW WHEELS USED AS PRIMARY DEPTH CONTROL
2. DRUM COUNTER USED AS SECONDARY DEPTH CONTROL
3.
4.
5.
6.

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OTHER SERVICES1	OTHER SERVICES2
OS1: PERF	OS1:
OS2:	OS2:
OS3:	OS3:
OS4:	OS4:
OS5:	OS5:
REMARKS: RUN NUMBER 1	REMARKS: RUN NUMBER 2
CORRELATED TO TRIPLE COMBO RAN	
ON 06-DEC-2014 BY SCHLUMBERGER	

REPEAT AND MAIN PASS RAN
UNDER 0 PSI

CRW: WILEY, HOFFMAN

THANK YOU

RUN 1			RUN 2		
SERVICE ORDER #: PROGRAM VERSION: FLUID LEVEL:		19C0-187	SERVICE ORDER #: PROGRAM VERSION: FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION

RUN 1	RUN 2

SURFACE EQUIPMENT

WITM-A
PSC_16MHZ

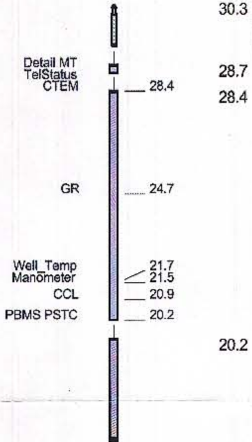
DOWNHOLE EQUIPMENT

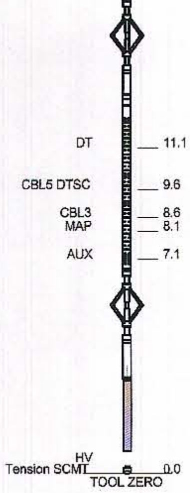
MH-22
MH-22

AH-38

PSPT
PSC-A
PSPT-A 1765
PSTC-A
PBMS-A
10k_Sapphire_Mano
RTD_Thermometer
GR
CCL
PBMS

SCMT-CB
SCMC-CA
SECH-CA
CMIR-AG
SCMS-CB 8160
SCMX-CA





TDBN-TDT 0.2

MAXIMUM STRING DIAMETER 1.69 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN FEET

Company: Omimex Petroleum Inc **Well: Denney State 5-36-7-4**

Output DLIS Files

DEFAULT	**SCMT_PSP_005LUP**	**FN:4**	**PRODUCER**	**10-Dec-2014 10:24**

OP System Version: 19C0-187

SCMT-CB	**19C0-187**	**PSPT**	**19C0-187**

PIP SUMMARY

▶ Time Mark Every 60 S

Discriminated CCL (CCLD)
-3.5 (V) 0.5

COLLARS
From CCLD to T1

GOOD BOND
From ACBL to GOBO

MAIN PASS

Transit Time (TT)
400 (US) 200

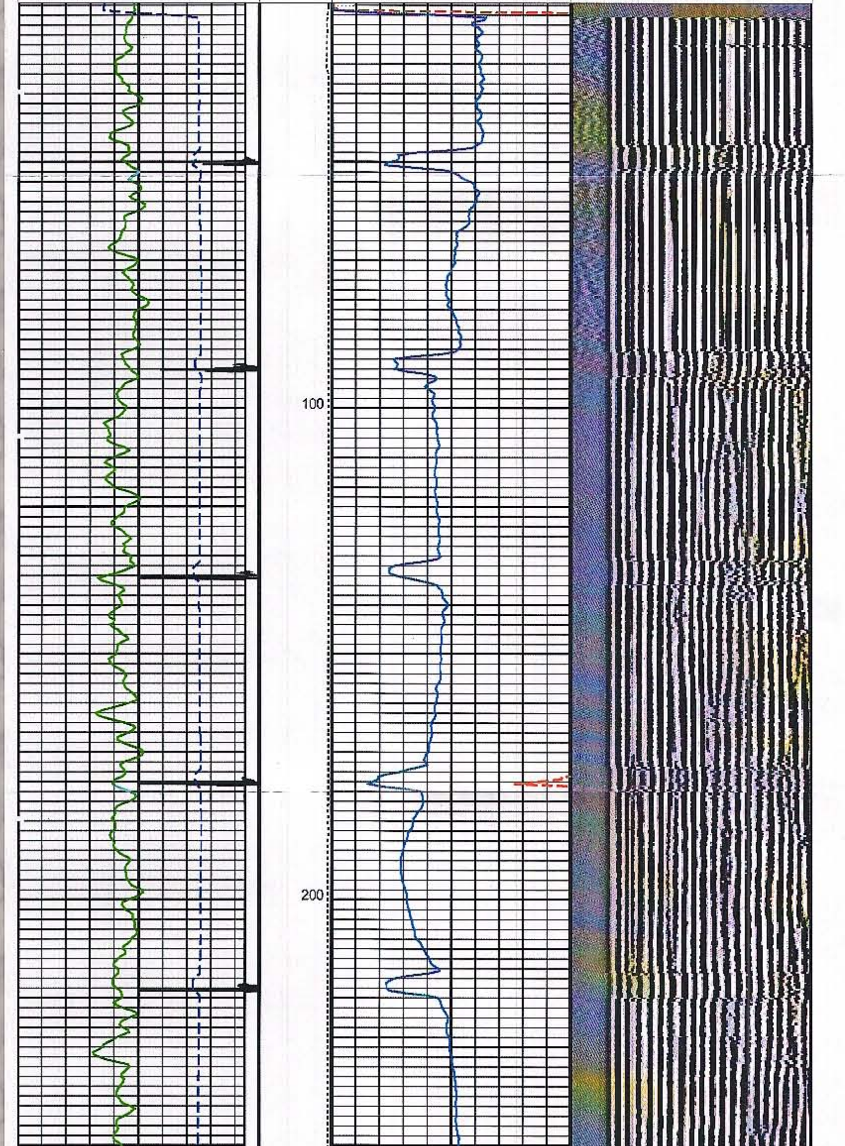
CBL Amplitude (CBL)
0 (MV) 100

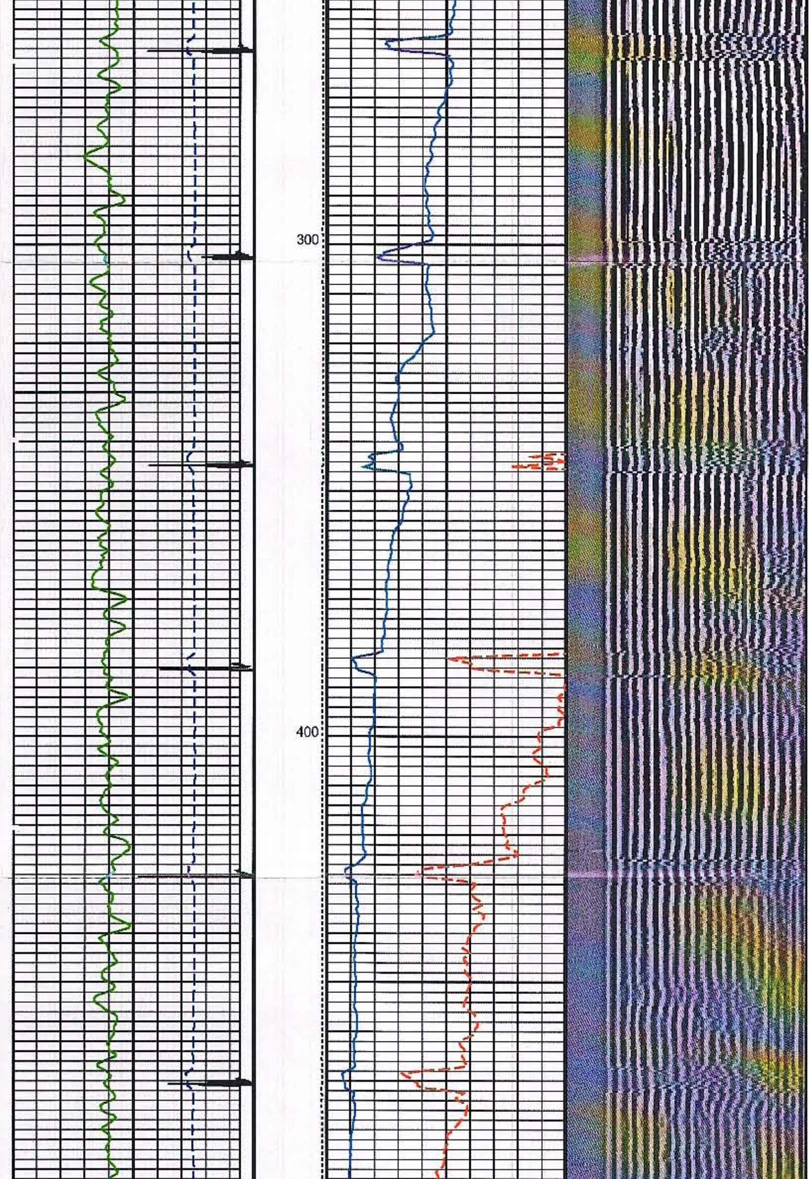
Gamma Ray (GR)
0 (GAPI) 150

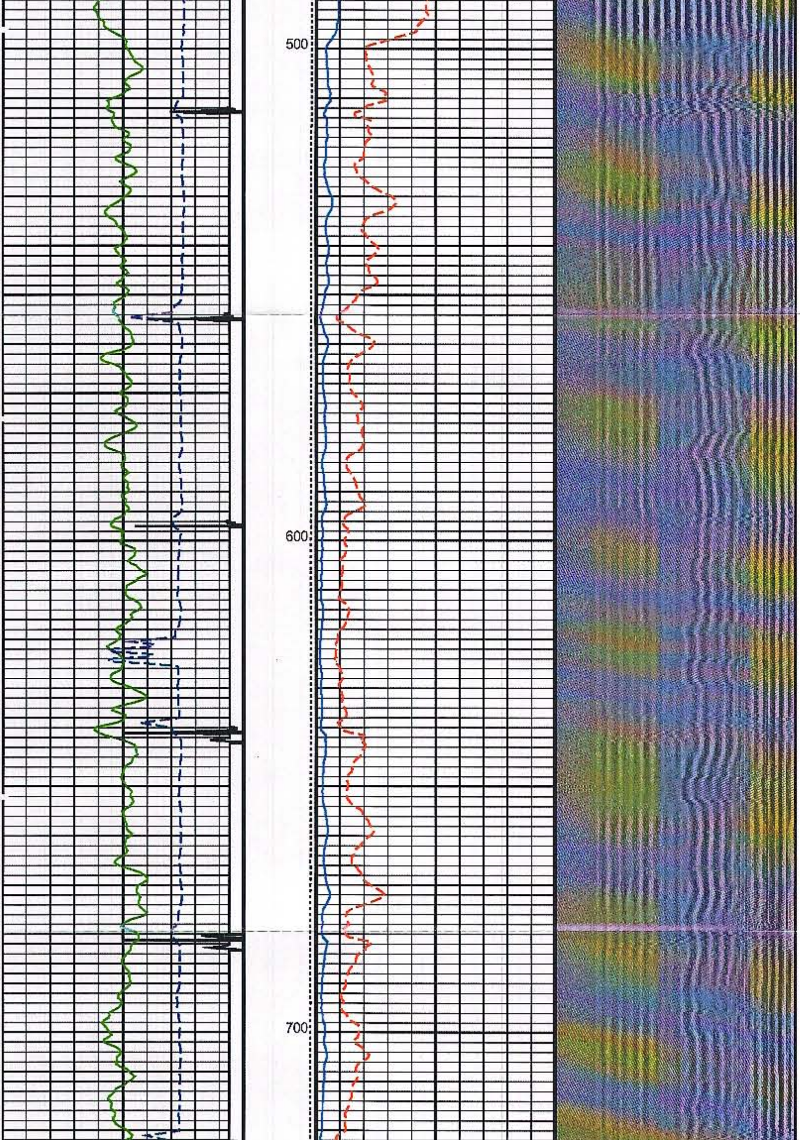
Tension (TENS) (LBF)
2000 0

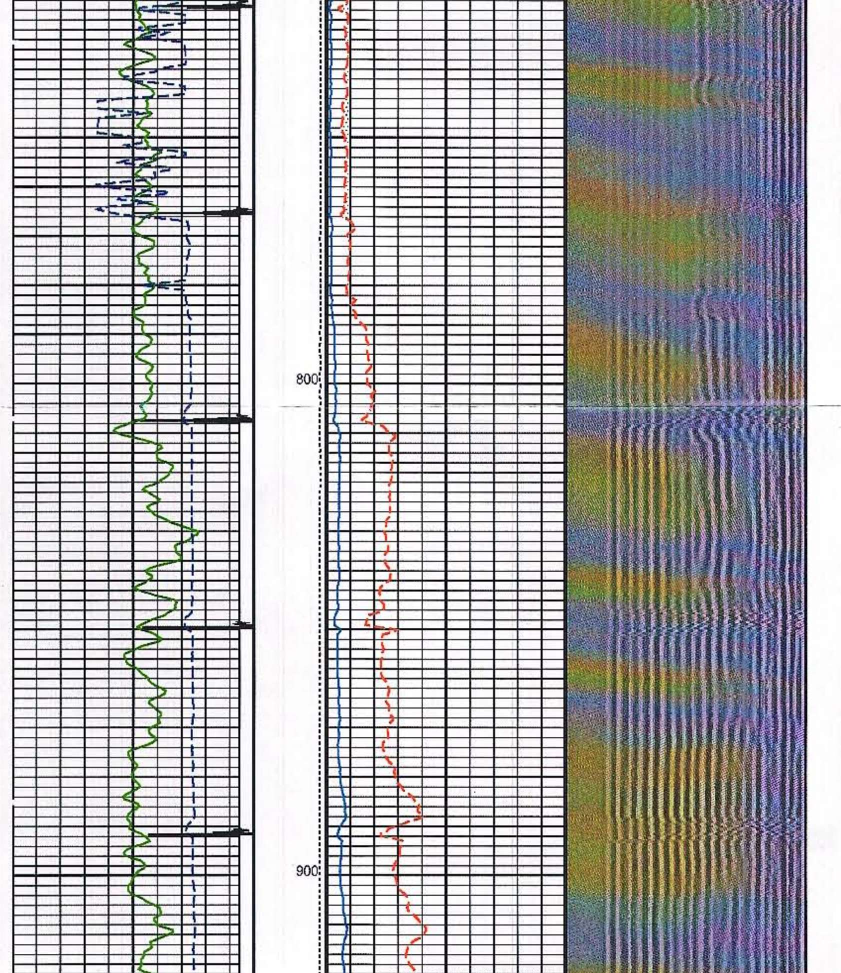
CBL Amplitude (CBL)
0 (MV) 20

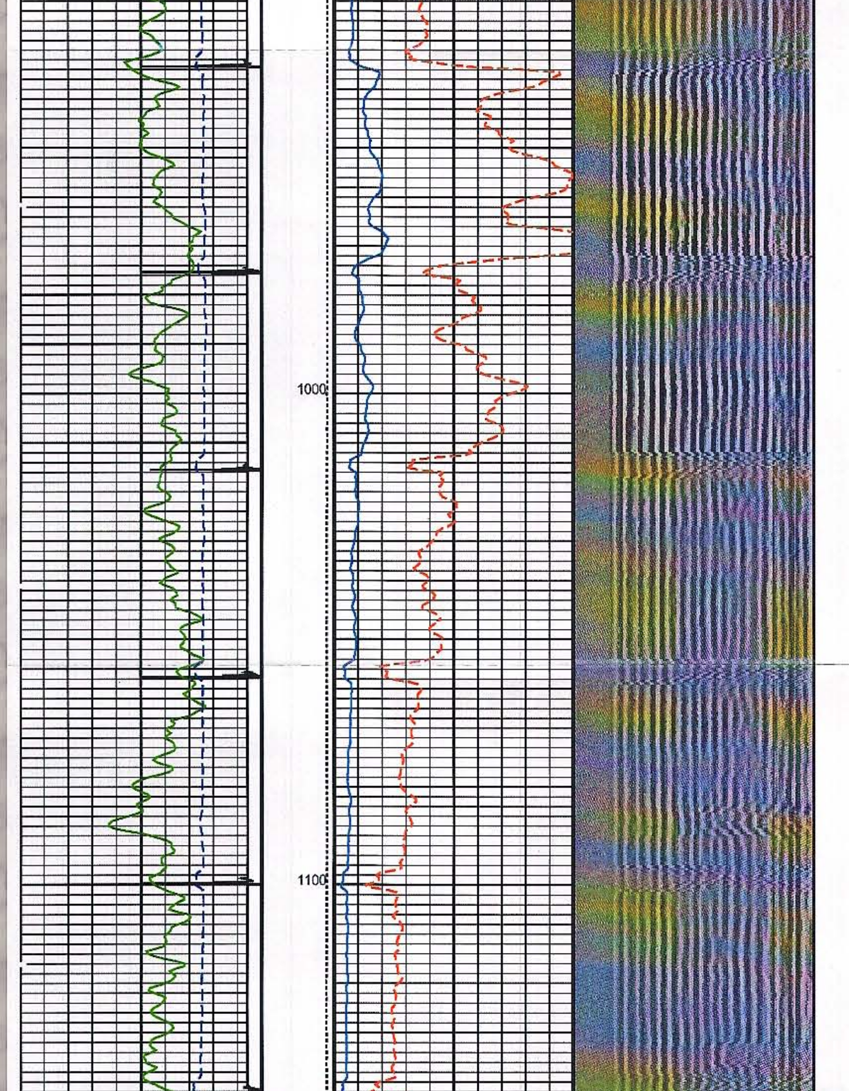
Min Amplitude Max
VDL VariableDensity (VDL)
200 (US) 1200

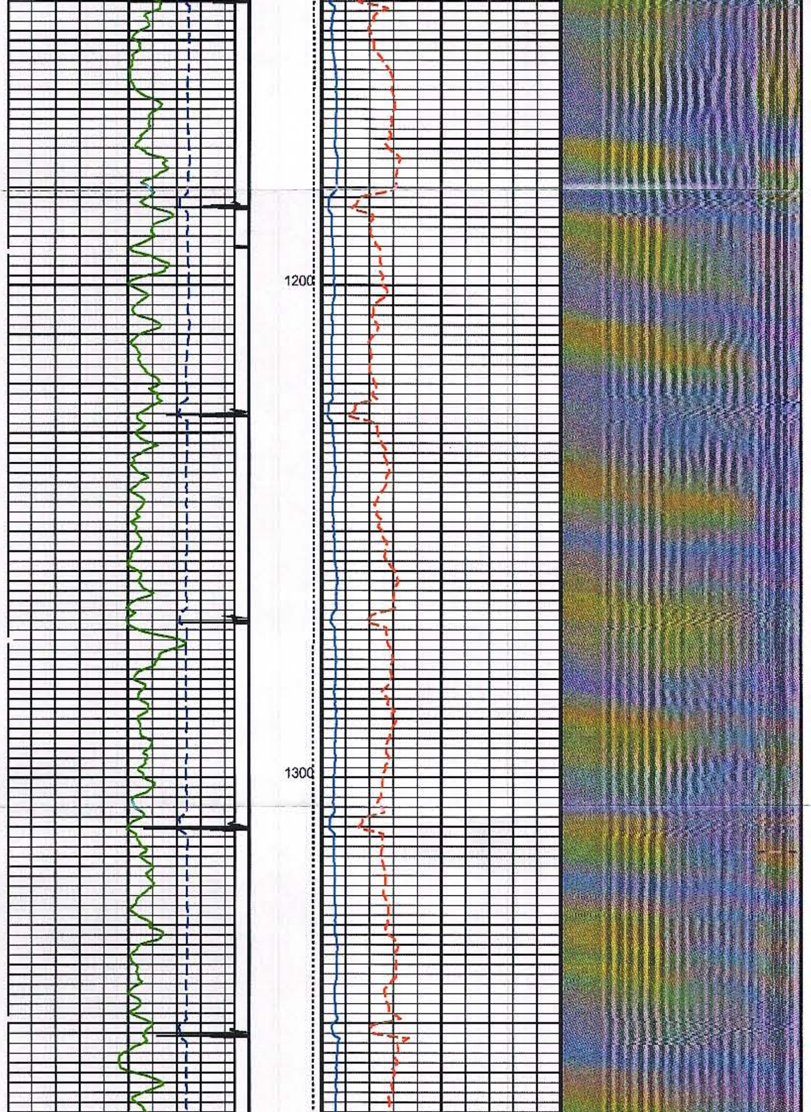


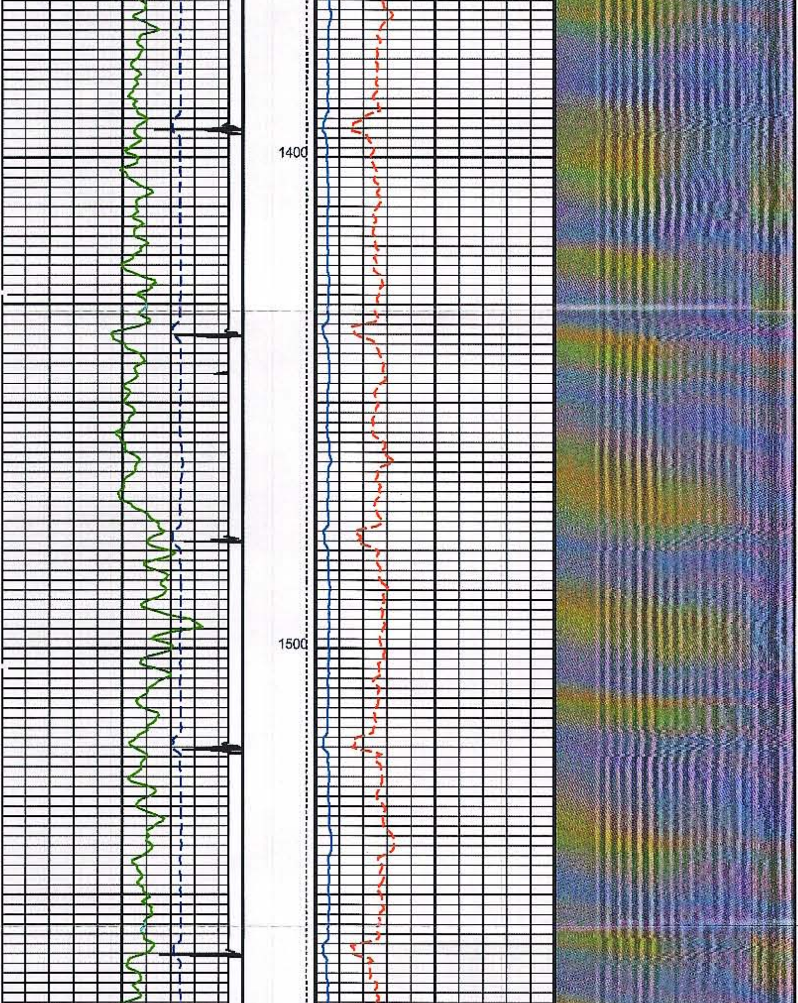


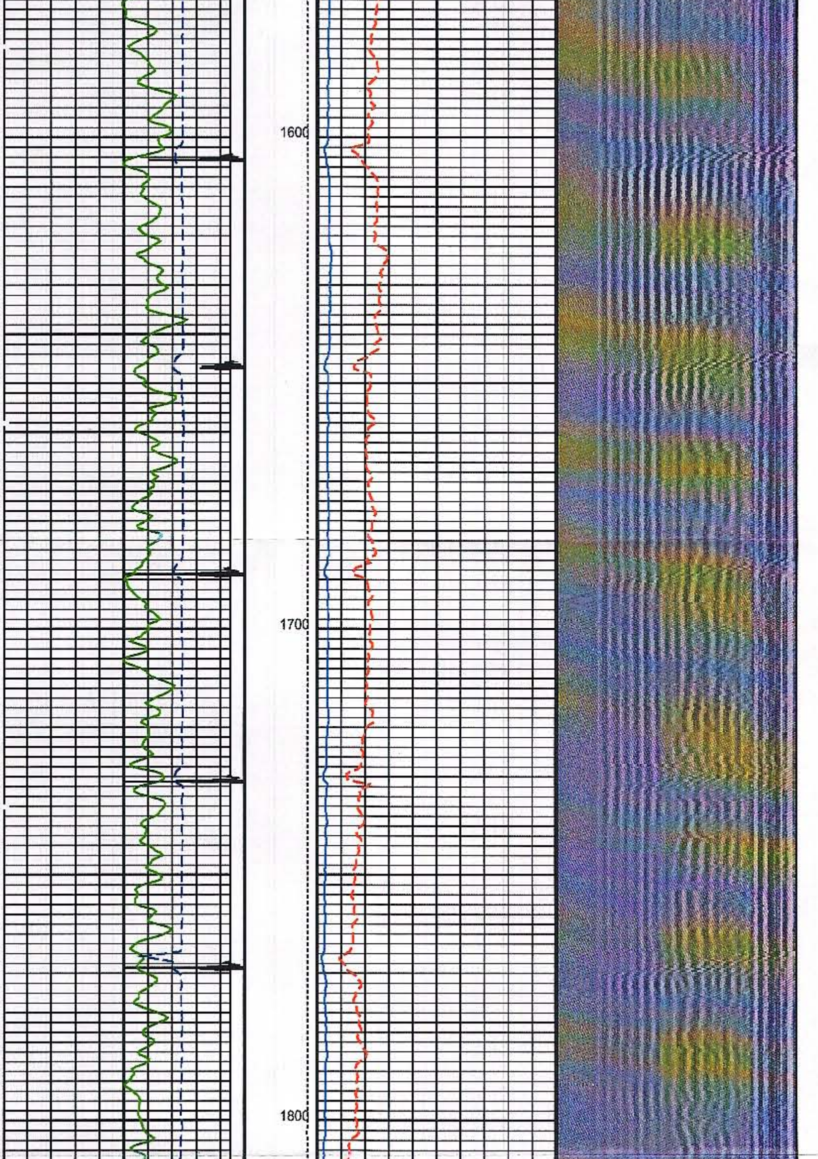


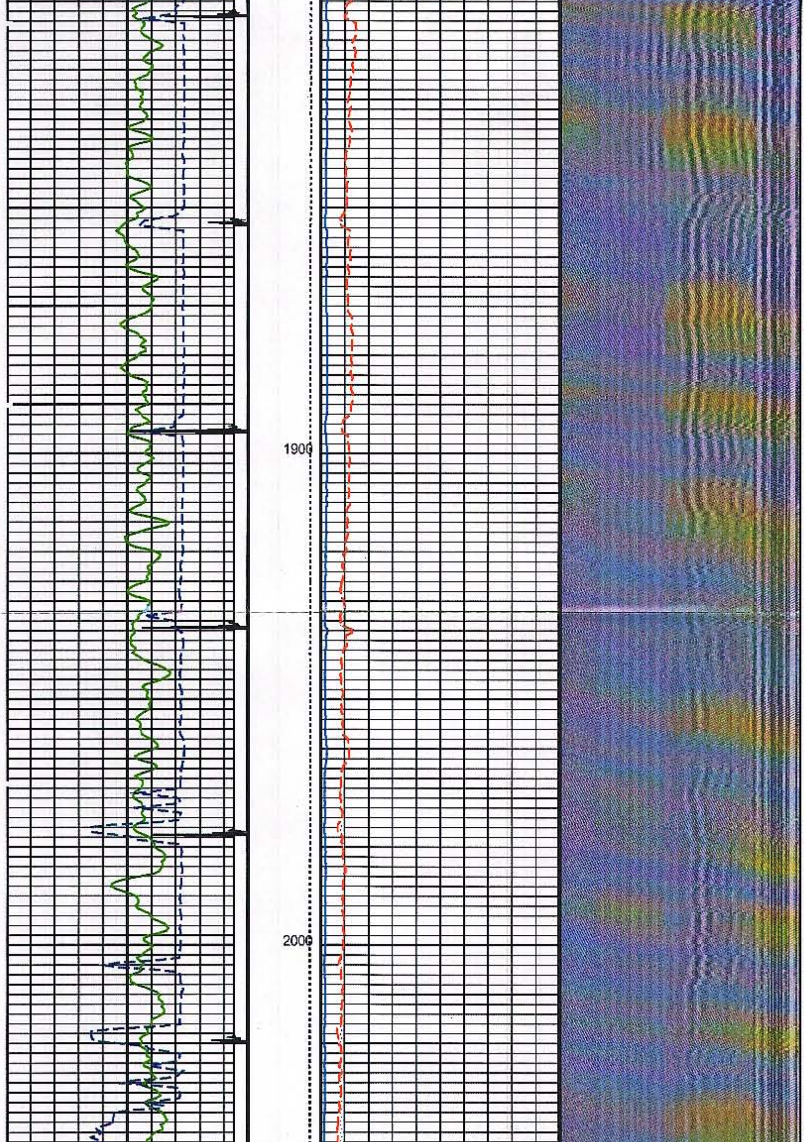


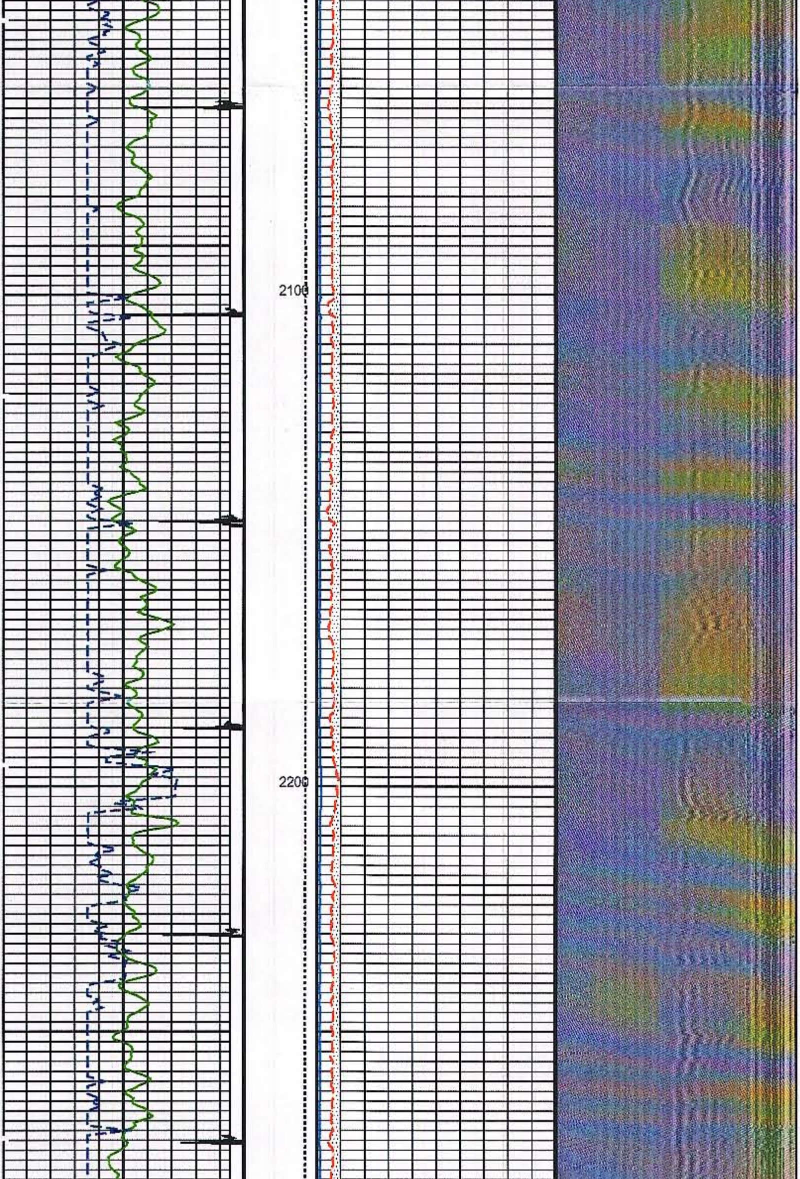


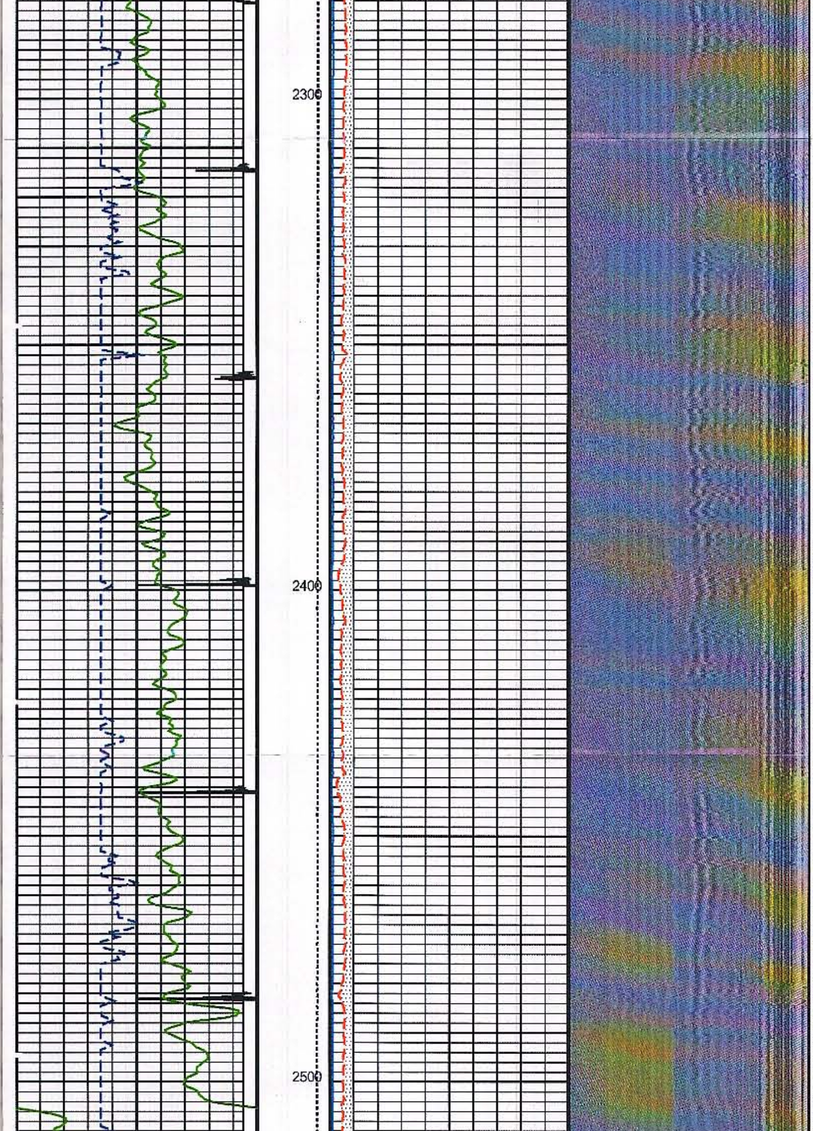


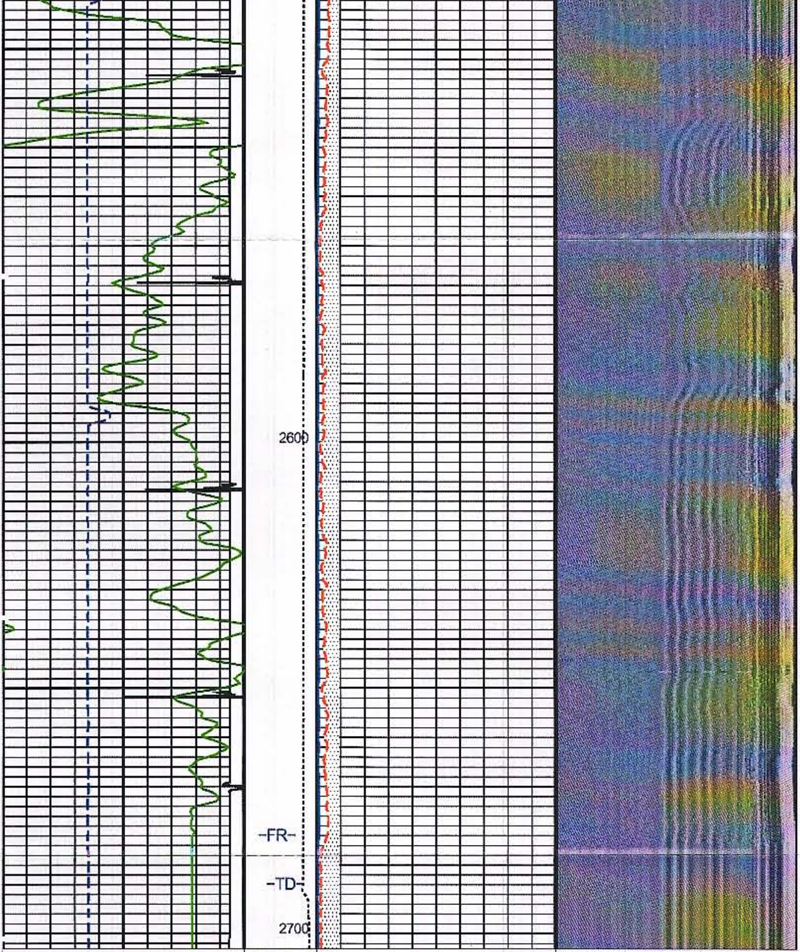












Gamma Ray (GR)
(GAPI)
0 150

Transit Time (TT)
(US)
400 200

COLLARS
From CCLD to T1

Discriminated CCL
(CCLD)
-3.5 (V) 0.5

Tension
(TENS)
(LBF)
2000 0

CBL Amplitude (CBL)
(MV)
0 20

CBL Amplitude (CBL)
(MV)
0 100

GOOD BOND
From ACBL to GOBO

Min Amplitude Max
VDL VariableDensity (VDL)
(US)
200 1200

MAIN PASS

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
SCMT-CB: Slim Cement Mapping Tool, 1-11/16 OD			
BILI	Bond Index Level for Zone Isolation	0.8	
CB3D	SCMT CBL 3 ft Peak Detection Mode	PEAK	
CB3G	SCMT CBL 3 ft Peak Detection T0_Delay and Noise Gate	229.263	US
CB3T	SCMT CBL 3 ft Fixed Threshold Level	20	MV
CB5D	SCMT CBL 5 ft Peak Detection Mode	PEAK	
CB5G	SCMT CBL 5 ft Peak Detection T0_Delay and Noise Gate	343.263	US
CB5T	SCMT CBL 5 ft Fixed Threshold Level	20	MV
CBLG	CBL Gate Width	40	US
CBRA	CBL LQC Reference Amplitude in Free Pipe	79	MV
CMCF	CBL Cement Type Compensation Factor	1	
CMTC	SCMT Slow Channel Multiplexer Mode	SCAN	
CMTM	SCMT Operating Mode	LOG	
CSCS	SCMT Slow Channel Index	VCC	
CTHI	Casing Thickness	0.229988	IN
DTF	Delta-T Fluid	204.5	US/F
FATT	Acoustic Attenuation due to Fluid	0	DB/F
FCF	CBL Fluid Compensation Factor	1	
GOBO	Good Bond	0.935443	MV
MAPD	SCMT MAP Peak Detection Mode	PEAK	
MAPG	SCMT MAP Peak Detection T0_Delay and Noise Gate	172.263	US
MAPT	SCMT MAP Fixed Threshold Level	30	MV
MATT	Maximum Attenuation	18.4392	DB/F
MCCF	MAP Cement Type Compensation Factor	1	
MCI	Minimum Cemented Interval for Isolation	1.25	FT
MMSA	MAP Minimum Sonic Amplitude	2.90666	MV
MSA	Minimum Sonic Amplitude	0.308578	MV
PEDE	Peak Detection On/Off Switch in Playback	OFF	
VDLG	VDL Manual Gain	5	
ZCMT	Acoustic Impedance of Cement	6.8	MRAY
System and Miscellaneous			
CSIZ	Current Casing Size	4.500	IN
CWEI	Casing Weight	10.50	LB/F
DFD	Drilling Fluid Density	8.40	LB/G
TD	Total Depth	-50000	FT

Format: CBL_VDL　Vertical Scale: 5" per 100'　Graphics File Created: 10-Dec-2014 10:24

OP System Version: 19C0-187

SCMT-CB	19C0-187	PSPT	19C0-187

Output DLIS Files

DEFAULT	SCMT_PSP_005LUP	FN:4	PRODUCER	10-Dec-2014 10:24

Company: Omimex Petroleum Inc　Well: Denney State 5-36-7-4

Input DLIS Files

DEFAULT	SCMT_PSP_003LUP	FN:2	PRODUCER	10-Dec-2014 10:18	2698.0 FT	2485.6 FT

Output DLIS Files

DEFAULT	SCMT_PSP_004PUP	FN:3	PRODUCER	10-Dec-2014 10:22	2698.5 FT	2486.5 FT

OP System Version: 19C0-187

SCMT-CB	19C0-187	PSPT	19C0-187

PIP SUMMARY

▪ Time Mark Every 60 S

Discriminated CCL (CCLD)
-3.5 (V) 0.5

COLLARS
From CCLD to T1

GOOD BOND
From ACBL to GOBO

REPEAT PASS

Transit Time (TT)
400 (US) 200

CBL Amplitude (CBL)
0 (MV) 100

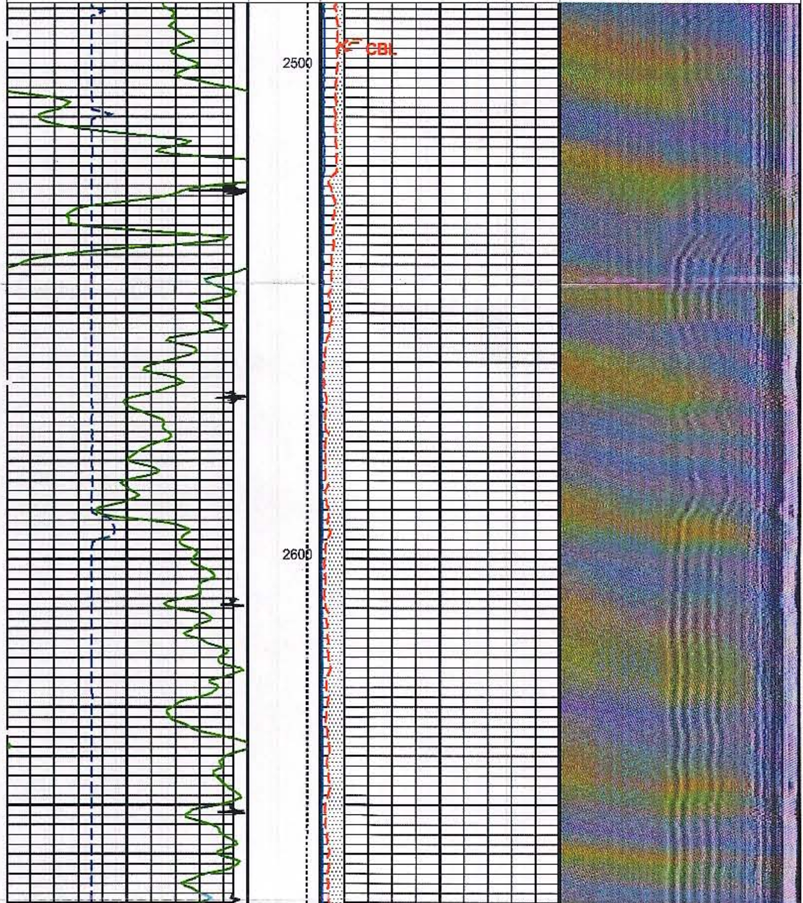
Gamma Ray (GR)
0 (GAPI) 150

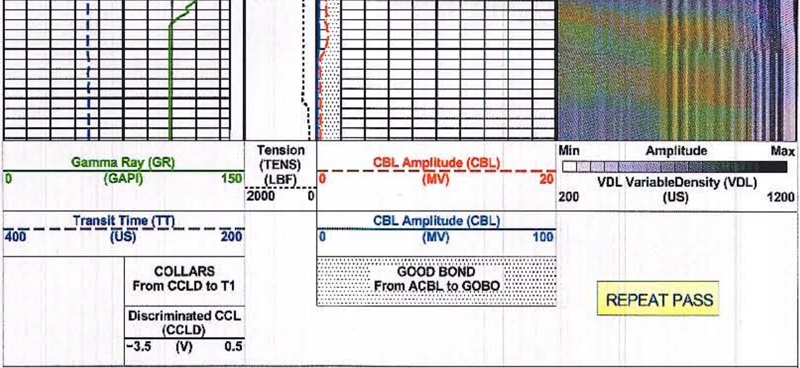
Tension (TENS) (LBF)
2000 0

CBL Amplitude (CBL)
0 (MV) 20

Min Amplitude Max

VDL VariableDensity (VDL)
200 (US) 1200





PIP SUMMARY

▪ Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	SCMT-CB: Slim Cement Mapping Tool, 1-11/16 OD		
BILI	Bond Index Level for Zone Isolation	0.8	
CB3D	SCMT CBL 3 ft Peak Detection Mode	PEAK	
CB3G	SCMT CBL 3 ft Peak Detection T0_Delay and Noise Gate	229.263	US
CB3T	SCMT CBL 3 ft Fixed Threshold Level	20	MV
CB5D	SCMT CBL 5 ft Peak Detection Mode	PEAK	
CB5G	SCMT CBL 5 ft Peak Detection T0_Delay and Noise Gate	343.263	US
CB5T	SCMT CBL 5 ft Fixed Threshold Level	20	MV
CBLG	CBL Gate Width	40	US
CBRA	CBL LQC Reference Amplitude in Free Pipe	79	MV
CMCF	CBL Cement Type Compensation Factor	1	
CMTC	SCMT Slow Channel Multiplexer Mode	SCAN	
CMTM	SCMT Operating Mode	LOG	
CSCS	SCMT Slow Channel Index	VCC	
CTHI	Casing Thickness	0.229988	IN
DTF	Delta-T Fluid	204.5	US/F
FATT	Acoustic Attenuation due to Fluid	0	DB/F
FCF	CBL Fluid Compensation Factor	1	
GOBO	Good Bond	0.935443	MV
MAPD	SCMT MAP Peak Detection Mode	PEAK	
MAPG	SCMT MAP Peak Detection T0_Delay and Noise Gate	172.263	US
MAPT	SCMT MAP Fixed Threshold Level	30	MV
MATT	Maximum Attenuation	18.4392	DB/F
MCCF	MAP Cement Type Compensation Factor	1	
MCI	Minimum Cemented Interval for Isolation	1.25	FT
MMSA	MAP Minimum Sonic Amplitude	2.90666	MV
MSA	Minimum Sonic Amplitude	0.308578	MV
PEDE	Peak Detection On/Off Switch in Playback	OFF	
VDLG	VDL Manual Gain	5	
ZCMT	Acoustic Impedance of Cement	6.8	MRAY
	System and Miscellaneous		
CSIZ	Current Casing Size	4.500	IN
CWEI	Casing Weight	10.50	LB/F
DFD	Drilling Fluid Density	8.40	LB/G
DO	Depth Offset for Playback	0.5	FT
PP	Playback Processing	NORMAL	
TD	Total Depth	-50000	FT

Format: CBL_VDL Vertical Scale: 5" per 100' Graphics File Created: 10-Dec-2014 10:22

OP System Version: 19C0-187

SCMT-CB	19C0-187	PSPT	19C0-187

Input DLIS Files

DEFAULT	SCMT_PSP_003LUP	FN:2	PRODUCER	10-Dec-2014 10:18	2698.0 FT	2485.6 FT

Output DLIS Files

DEFAULT	SCMT_PSP_004PUP	FN:3	PRODUCER	10-Dec-2014 10:22

Company: **Omimex Petroleum Inc**

Schlumberger

Well: **Denney State 5-36-7-45**
Field: **Holyoke South**
County: **Phillips**
State: **Colorado**

CEMENT BOND
GAMMA RAY
CASING COLLAR LOG