The Shell Petroleum Development Company of Nigeria Limited Internal Investment Proposal

Summary Information

Directorate	Development						
Group equity interest	100% in SPDC, where SPDC is the operator of an unincorporated Joint Venture (JV) with a 30% interest.						
Other shareholders/partners	Nigerian National Petroleum Company (NNPC): 55%, Total: 10%, and Nigeria Agip Oil Company (NAOC):5% in SPDC JV						
Amount	US\$ 12.0 Mln 50/50 Level (IV) MOD OPEX Shell share (US\$ 40.0 Mln 100%JV) is requested for approval in this proposal.						
Project	2010 and 2011 Corporate Well And Reservoir Su	urveillance					
Main commitments	SCOPE 100% JV (US\$ Mln)						
	OPEX (Well And Reservoir Surveillance)						
	Bottom Holes Pressure (BHP)	10.0	3.0				
	Carbon-Tracer Survey	4.0	1.2				
	Multi-rate Test/Deliverability Test (MRT)	8.0	2.4				
	Carbon-Oxygen	12.0	3.6				
	Production Logging Tools (PLT)	4.0	1.2				
	Production Volume Temperature (PVT)	2.0	0.6				
	Total	40.0	12.0				
Source and form of financing	This investment will be financed with JV Funding and Shell Share capital expenditure will be met by SPDC's own cash flow and/or the existing shareholder facility. Formal JV partners' approval will therefore be obtained						
Summary cash flow	Not Applicable to Cost-only project						
Summary economics	Summary economics* NPV 7% (US\$ mln) VII	R 7% RTEP (%)					
	Base case (RV-RT) -1.8	n/a n/a					

Section 1: The proposal (management summary)

Management Summary

This investment proposal seeks organizational approval for Opex funding of US\$ 12.0 Mln Shell Share (US\$ 40.0 Mln 100% JV) to enable:

• Acquisition of 388 surveillance data in 2010 and 389 in 2011 in SPDC East, West and EA assets.

The surveillance programme is defined based on a ranking of priorities relating to:-

- Data required to close out reserves audit action points in consultation with the RE discipline chief.
- Data required to support development studies in the ODC.
- Data required to firm up well targets in planned wells on the drilling sequence.
- Data required to confirm wells on the STOG/CIW sequence.
- Data required to support discipline reviews (Horizontal well performance, bore hole failure, core data etc,etc)
- Data required to meet statutory DPR requirements.

An IP has never been written for this project until a recent review of the strategic importance and the significant Opex costs associated with these activities were carried out. The main bedrock of SPDC continuing in business is the effective management of our wells and reservoirs. It is in recognition of this that a separate body called "Well and Reservoir Management (WRM) was set up. A major input to the effectiveness of WRM is subsurface data acquisition and analysis. The corporate surveillance project fulfils this role. SPDC is also obligated to the Federal Government to yearly provide evidence of sound wells and reservoir management and this statutory role can only be demonstrated through acquisition and analysis of subsurface data for which this IP now seeks required funding.

This is a cost-only project and there is no direct additional production gain as a result of this activity but inferences drawn from the results of these activities results in production optimization/firm up production addition activities.

In summary, these planned activities are aimed at meeting statutory requirements, safe-guarding NFA production, unlocking oil and gas potential, building capability (including LEAN) and thus, embedding the improved processes for achieving and sustaining world class Well and Reservoir Management.

Risks to these projects are technical risks, security and community disturbances, for which mitigation plans, have been put in place. Proposed scope is technical, routine and in existing producing fields, where reasonable understanding exists with communities, all within SPDC approved HSE standards and Well Services execution capacity. Surplus back-up activities exist to replace those affected by technical complications and/or community disturbances.

2009 Budget Performance

In 2009, an approved budget of US\$ 6.3 Mln Shell Share (US\$ 20.9Mln 100% JV) was provided for Corporate Surveillance. US\$ 5.7 Mln Shell Share (US\$ 19.1 Mln 100% JV) was spent to acquire 319 rigless subsurface data against a plan of 263. The total under spend of US\$ 0.53 Mln Shell Share (US\$ 1.78 Mln 100% JV) was not accrued to 2009 and not included in this IP.

Some high cost activities like Carbon Oxygen logs were not completely acquired due to contractual issues, but more Bottom hole pressures (BHPs) than planned were acquired because they are relatively low cost compared the carbon oxygen logs, hence the total surveys acquired were more than planned for the given budget.

The activities not executed in 2009 were moved to 2010 but have been re-screened and ranked with new opportunities for 2010. The list of opportunities is therefore regularly revised to remove or include new opportunities while ensuring all expenditures are within the approved budget for the business approved activities target.

In 2008, 305 subsurface data were acquired. A total sum of US\$ 3.5 Mln Shell Share (\$11.8 Mln 100% JV) was spent in acquiring the data while in 2009, 319 subsurface data were acquired. A total sum of US\$ 5.7 Mln Shell Share (US\$ 19.1Mln 100% JV) was spent in acquiring the data. Following this trend, 388 and 389 subsurface data have been planned to be acquired in 2010 and 2011

respectively. A total sum of US\$ 12.0 Mln Shell Share (US\$20.0 Mln 100% JV) for each year will be required in acquiring the data.

The portfolio being carried for 2010 and 2011 assumes that both the West and the East will be accessible. The opportunity database remains dynamic due to ongoing reviews, planned re-entries and additional new scope in both East and West (high flow line theft).

Tables below give a breakdown of the corporate surveillance activities plan for 2010 and 2011. A total sum of US\$ 12.0 Mln Shell Share (\$40.0 Mln 100% JV) will be required to fund the activity levels.

Table A1: Project Cost Phasing (100% JV - US\$ Mln, MOD):

Well and Reserviour Surveillance			
Cost	2010	2011	Total
100% JV	20	20	40
Shell Share	6	6	12

Table A2: 2010 Corporate Surveillance Plan

Count of Well/String				Team		
Data Type	TDLE	TDLW	TDSE	TDSO	TDSW	Total
C/O Log ¹	4	10	12	3	9	38
FG/BU/SG ²	46	58	19	6	14	143
MRT ³		2	3			5
PLT ⁴	1			4		5
PVT ⁵	4		6		6	16
SG	12	12	43	12	73	152
CO2 ⁶ TRACER	6	14			4	24
Deliverability Test	4					4
Inj. Fall Off	1					1
Total	78	96	83	25	106	388

Table A3: 2011 Corporate Surveillance Plan

Count of Well/String	Team					
Data Type	TDLE	TDLW	TDSE	TDSW	Total	
C/O Log	3		9	11	23	
FG				3	3	
FG/BU/SG	69	26	75	21	191	
MRT		2			2	
PLT	1			3	4	
PVT				3	3	
SG	14	5	39	95	153	
Deliverability Test	6				6	
Caliper Survey			1		1	
Temp/Caliper Log	3				3	
Total	96	33	124	136	389	

^{1.} Carbon Oxygen Log, 2. Flowing Gradient, Build Up, Static Gradient, 3. Multi Rate Test,

^{4.} Production Logging Tool, 5. Pressure Volume Temperature, 6. Carbon Dioxide

The "Data Type" essentially gives the type of surveillance that will be acquired and the associated area team and number of type data.

Section 2: Value proposition and strategic and financial context

The corporate surveillance project:

- Supports SPDC data acquisition strategy required to close out reserves audit action points with external bodies,
- Supports Development studies in the Opportunity Development Centre,
- Firm up well targets in planned wells on the drilling sequence,
- Confirm wells on the STOG/CIW sequence,
- Support discipline reviews (Horizontal well performance, bore hole failure, core data etc, etc), and
- Meet statutory DPR requirements (maintain licence to operate).

Summary Economics

The project base case was evaluated as a cost only to assess maximum exposure of the company. The project cost is treated as oil independent OPEX. No revenue stream has been included in this analysis.

A 'high OPEX' sensitivity of 10% cost over-run on base case OPEX was also evaluated.

The results of the economic evaluations, together with the assumptions are presented below.

Table 3: Economics Indicators (Shell Share)

	NPV	(S/S \$	VIR	RTEP	UTC	(RT	Payout-	Maximum
PV Reference Date: 1/7/2010	n	ıln)			\$/bbl o	r \$/mln	Time (RT)	Exposure \$mln
					bt	u)		(RT)
Cash flow forward from: 1/1/2010	0%	7%	7%	%	0%	7%		
Base Case								
SV-RT (\$50/bbl)	-1.8	-1.8	n/a	n/a	n/a	n/a		
RV-RT (\$60/bbl)	-1.8	-1.8	n/a	n/a	n/a	n/a		1.8 (2011)
HV-RT (\$80/bbl)	-1.8	-1.8	n/a	n/a	n/a	n/a		
Sensitivities (using RV-RT)								
High Opex (+10%)		-2.0	n/a					2.0 (2011)

Table 4: Key Project Parameter Data (Shell Share)

Table 4: Rey 1 Toject 1 arameter Data (Shen Share)								
Parameter	Unit	Bus Plan	Low	Mid	High	Comments		
Opex (MOD)	US\$ mln	12.0	11.4	12.0	13.2	High/Low +10/-5%		
Production Volume	mm boe	n/a	n/a	n/a	n/a			
Start Up Date	mmm-yy	Jan-10	Jun-10	Jan-10	Mar-10			
Production in first 12 months	mm boe	n/a	n/a	n/a	n/a			

Assumptions:

- All costs are treated as oil independent OPEX.
- NDDC cost assumed at 3% of total expenditure.
- No revenue stream is included in this analysis.
- 2% of OPEX is treated as SCD and included in project cost

Section 3: Risks, opportunities and alternatives

Community Interface

These activities are covered under the global memorandum of understanding (GMoU) umbrella for those areas where they have been signed. For these, Cluster Development Boards (CDBs) and Community Trusts (CTs) will be informed accordingly of the activities involved.

Where there is no GMoU, steps will be taken to secure freedom to operate via homage payment and employment of community workers during the rigless well operations and to facilitate negotiations, community development support will be provided in line with SPCA guidelines. Where necessary to facilitate negotiations, community developments' support will be provided (football kits, plastic chairs, computers, etc.)

Security and HSE management

A project specific HSE plan will be developed and implementation actions agreed with key stakeholders, such that the associated activities are delivered under the current drive to achieve 'Goal Zero'. Controls will be put in place to mitigate the identified hazards and effects, but these will be subjected to continual supervisory critique to ascertain their adequacy and effectiveness throughout the execution phase.

In addition to the project team latching into existing security arrangement in the area of operation, the LIO & Gas lift project activities will be supported by deployment of duly approved Site Specific Security Plan (SSSP) based on risk assessment of the area to mitigate and manage identified security threats/risks.

Furthermore, the Project Security Plan (PSP) will address and also recommend appropriate security emergency response controls to proactively manage potential incidents in the event of occurrence.

General

As per SPDC procedures the contractor handling the any of the projects will develop a security plan, to be agreed to by the Contract Holder, and then sent to the Area Security Adviser for review. Thereafter, the reviewed plan will be sent to the Security Coordinator/Asset Manager for approval. It is only then that the contractor can mobilize to site to commence well operations.

Risks and Mitigation

Risk		Mitigation
Technical	Operational risks	388 surveillance activities planned for 2010
	Lower productivity	and 389 for 2011. Activities are technical
		and annual routine within SPDC overall
		standards and execution capacity.
		Surplus back-up surveillance candidates
		available to make up for the risks identified.
Community	Delay in project	Focus on East Swamp and Western division
disturbances	execution	reopening ongoing.
		Surveillance portfolio large to provide
		replacement candidates
Health, Safety &	Damage to the	Strict compliance with all SPDC HSE
Security	environment	policies and procedures.
	Damage to Equipment	Latch into existing security arrangement in
	Loss of life/Insecurity	the area of operation. Put in place Project
		Security Plan (PSP).

Opportunities

The dynamic nature of the surveillance portfolio will enable additional opportunities to be included by the Value Realization teams during the course of the year. The Subsurface Operations Support team will execute these opportunities provided they meet or exceed base plan screening criteria. Due to multiple risks (access, technical, security, community) the initiative has been taken to prepare all outstanding opportunity proposals in order to mature the portfolio and allow execution on a first-come-first-serve basis pending overall readiness until the budget is exhausted or additional budget is secured.

Alternatives

The activities under discussion are core business activities in any E&P environment and as such there is no alternative for not executing them. For the surveillance opportunities, the Do-Nothing scenario will impact negatively on SPDC's wells and reservoir management target.

Proposed activities will lead to safeguarding NFA production, higher ultimate recoveries, higher well utilization and sustainability through capability building.

Section 4: Corporate structure, and governance

SPDC is the operator of an Unincorporated JV with 30% interest, with Under Operational Control (UOC) and Joint Controlled Assets (JCA).

This proposal is within the SPDC corporate structure and governance framework.

Section 5: Functional Support and consistency with Group and Business Standards

This project operates in line with SPDC processes and is supported by the relevant functions: Well Engineering; Well Services; Contracting & Procurement and Corporate Affairs Directorate. The proposal is consistent with SPDC's strategy to effectively manage the wells and reservoirs to continue to stay in business. The Finance, HSE/SCD, Supply Chain Management, Legal, Treasury and Tax Functions have provided functional support for this IP.

Section 6: Project management, monitoring and review

The execution of these activities will be fully coordinated by the WRM Business Improvement team, working with the respective Asset teams in line with the existing SPDC organisational model.

For all surveillance activities, a dedicated, 2-staff team working together with respective Asset teams and well completion and intervention team, will have single point accountability for driving execution, managing the budget, monitoring performance and achieving the surveillance target associated with this IP.

The WRM BI and the Subsurface Operations Support teams both reside in the Development Directorate and report directly to the SPDC Asset Development Manager with interface with other departments in SPDC and the Shell group. As such, direct cooperation with the Asset Development/Value Realization teams is guaranteed. Strong operational ties exist with the Well Completion and Intervention team and the Engineering Hub teams. Keen interest and support from the Production Directorate is secured through a common objective: to produce more oil. The Corporate Affairs Directorate is instrumental in creating the community relations that allow the team to operate in the swamps and on land.

Hence, the teams will report weekly and monthly to ADM management and there will be regular reviews with internal stakeholders (C&WI, Engineering etc) to monitor project health

Section 7: Budget provision

The BP09 requested budget for the LIO project has been adjusted to US\$ 12.0 Mln Shell Share (\$40.0 Mln 100% JV) in line with JV support for the 2010 and 2011 planning year with each year accounting for \$6.0 Mln Shell Share. The agreed annual budget will not be exceeded.

The post-tax expenditure related to this IP will be evaluated after the completion of economics.

Section 9: Disclosure

Material disclosures, if any, will be done in line with the Group and SPDC Disclosure policies and guidelines.

Section 10: Financing

The project will be funded from SPDC's own generation of funds and existing shareholder facility assuming the balance of the shareholder facility remains above zero; otherwise it will be subject to a separate Group Financing Proposal.

Section 11: Taxation

Taxation will be in accordance with SPDC's general tax for Capex and Opex activities.

Section 12: Key Parameters

The following are the main aspect of this proposal:

Approval for the amount of US\$ 12.0 Mln OPEX Shell Share 50/50, MOD, (US\$ 40.0 Mln 100% JV) to:

- Acquire 388 surveillance data for WRM Business Improvement in 2010 at a planned cost of \$6.0Mln Shell Share.
- Acquire 389 surveillance data for WRM Business Improvement in 2011 at a planned cost of \$6.0Mln Shell Share.
- Meet statutory requirement on reservoir monitoring and thus maintain our license to operate.

Section 13: Signatures

This Proposal is submitted to EPG Regional Development General Manager for approval.

Supported by:	Supported by:	For Business approval:
Goke Akinrinmade	Van Velden, Rob	Bayo Ojulari
Asset Dev. Mgr	Regional BF - Tech.	(General Manager, Development,
EPG-TDS	Disciplines	EPG-TD)
Date/	SPDC-EPF-G-T	Date/
, ,	Date/	
Utunedi Erome		
Project Initiator		
EPG-TDSS		

Appendix-1: Baseline List of Corporate Surveillance Projects for 2010

PP	CHUIA I. I	baseinie List	or Corpor			1 Tojects Toi	2010
		_		s/N	Well/String	Data	Acquisition
S/N	Well/String	Data	Acquisition			Type	Method
		Type	Method	71	OBGN54	C/O log	Electricline
1	ADNE001S	FG/BU/SG	Slick line	72	OTAM002	C/O log	Electricline
2	ADNE004L	FG/BU/SG	Slick line	73	UMUE004T	SG	Slick line
3	AFAM007T	FG/BU/SG	Slick line	74	UMUE004T	SG	Slick line
4	AFAM008T	SG	Slick line	75		FG/BU/SG	Slick line
5	AFAM008T	SG	Slick line	76		FG/BU/SG	Slick line
	AFAM008T	Deliverability Test	Slick line	77	UMUE010L	C/O log	Electric line
7	AFAM23	PVT	Sep. Sampling	78		SG SG	
	AGBD011T	CO2 TRACER	Tracer Tools		UMUE022T		Slick line
9	AGBD0111 AGBD030L	FG/BU/SG	Slick line	79		C/O log	Electric Line
		FG/BU/SG	Slick line		AFIE012L	SG	Slick line
	AGBD033L				ERMU001L	SG	Slick line
	AGBD034L	FG/BU/SG	Slick line	82	ERMU002L	SG	Slick line
12		FG/BU/SG	Slick line	83	ERMU008L	SG	Slick line
13	AGBD039L	FG/BU/SG	Slick line	84	ERMU012L	SG	Slick line
	AGBD040L	CO2 TRACER	Tracer Tools	85	ERMU012S	FG/BU/SG	Slick line
15	AGBD040S	FG/BU/SG	Slick line	86	EVWR001S	FG/BU/SG	Slick line
16	AHIA003L	FG/BU/SG	Slick line	87		FG/BU/SG	Slick line
17	AHIA005L	FG/BU/SG	Slick line	88		FG/BU/SG	Slick line
18	DBUC015T	FG/BU/SG	Slick line		KOKR038T	FG/BU/SG	Slick line
19	ELWA015L	FG/BU/SG	Slick line	90		FG/BU/SG	Slick line
20	ELWA015S	FG/BU/SG	Slick line			FG/BU/SG	
	ELWA018L	FG/BU/SG	Slick line	91	OBEN010S	, ,	Slick line
	ELWA018S	FG/BU/SG	Slick line	92	OBEN014L	FG/BU/SG	Slick line
	ETEL6T	FG/BU/SG	Slick line	93	OBEN024L	FG/BU/SG	Slick line
24		PVT	Surface		OLOM 04L	CO2 TRACER	Tracer Tools
25	IMOR0030S	FG/BU/SG	Slick line	95	OLOM 05S	CO2 TRACER	Tracer Tools
				96	OLOM 07S	CO2 TRACER	Tracer Tools
	IMOR0031S	FG/BU/SG	Slick line	97	OLOM 21L	CO2 TRACER	Tracer Tools
	IMOR007L	FG/BU/SG	Slick line	98	OLOM 27L	CO2 TRACER	Tracer Tools
28		FG/BU/SG	Slick line	99	OLOM 35S	CO2 TRACER	Tracer Tools
	IMOR045L	FG/BU/SG	Slick line	100		FG/BU/SG	Slick line
	IMOR064L	FG/BU/SG	Slick line	101	OLOM002L	FG/BU/SG	Slick line
31	IMOR10L	CO2 TRACER	Tracer Tools	102		FG/BU/SG	Slick line
32	IMOR65L	CO2 TRACER	Tracer Tools	103	OLOM004S	FG/BU/SG	Slick line
33	IMOR65S	CO2 TRACER	Tracer Tools			CO2 TRACER	
34	ISIM 004T	FG/BU/SG	Slick line	104			Tracer Tools
35	ISIM001L	FG/BU/SG	Slick line	105	OLOM011L	FG/BU/SG	Slick line
36	ISIM002S	FG/BU/SG	Slick line		OLOM016L	CO2 TRACER	Tracer Tools
	KOCR022T	SG	Slick line	107		CO2 TRACER	Tracer Tools
	KOCR025T	C/O log	Electricline	108	OLOM017L	FG/BU/SG	Slick line
	MINI001L	SG	Slick line	109	OLOM022L	FG/BU/SG	Slick line
	MINI001S	FG/BU/SG	Slick line	110	OLOM025T	SG	Slick line
		SG	Slick line	111	OLOM028L	FG/BU/SG	Slick line
	MINI002T	PLT		112	OLOM029L	FG/BU/SG	Slick line
	MINI003L		Electricline		OLOM031L	FG/BU/SG	Slick line
	MINI004L	SG	Slick line		OLOM031S	SG	Slick line
	MINI004S	SG	Slick line		OLOM032S	FG/BU/SG	Slick line
	MINI008T	FG/BU/SG	Slick line	116		CO2 TRACER	Tracer Tools
46	MINI009T	FG/BU/SG	Slick line			FG/BU/SG	
47	NKAL 005L	FG/BU/SG	Slick line	117			Slick line
48	NKAL 011S	PVT	Surface		OLOM034S	FG/BU/SG	Slick line
49	NKAL 014L	PVT	Surface		OLOM035S	FG/BU/SG	Slick line
50	NUNR006S	FG/BU/SG	Slick line		OLOM036S	FG/BU/SG	Slick line
51	NUNR012L	SG	Slick line		OLOM04L	CO2 TRACER	Tracer Tools
52	OBEA023T	SG	Slick line	122	OLOM04S	CO2 TRACER	Tracer Tools
	OBEL006T	FG/BU/SG	Slick line	123	OVHO001	C/O log	Electric Line
	OBGN002T	FG/BU/SG	Slick line	124	OVHO002	C/O log	Electric Line
	OBGN005S	FG/BU/SG	Slick line	125	OVHO005	C/O log	Electric Line
	OBGN024S	FG/BU/SG	Slick line		OVHO007	C/O log	Electric Line
57		FG/BU/SG	Slick line		OWEH001S	FG/BU/SG	Slick line
	OBGN026T	FG/BU/SG	Slick line Slick line	128		SG	Slick line
58		FG/BU/SG		129	OWEH004S	FG/BU/SG	Slick line
	OBGN028L,	INJ. FALL OFF	Slick line		OWEH0043	FG/BU/SG	Slick line
	OBGN031T	,	Slick line			SG	
61	OBGN035S	FG/BU/SG	Slick line		OWEH007S		Slick line
62	OBGN035S	FG/BU/SG	Slick line		OWEH010S	SG FG (BH (SG	Slick line
	OBGN043T	Deliverability Test	Slick line		OWEH011S	FG/BU/SG	Slick line
63			Slick line	134	SAPL010L	FG/BU/SG	Slick line
63 64	OBGN044T	Deliverability Test					
		FG/BU/SG	Slick line	135	SAPL017T	MRT	Slick line
64	OBGN044T			135	SAPL017T SAPL018T	MRT MRT	Slick line Slick line
64 65 66	OBGN044T OBGN045L	FG/BU/SG	Slick line	135 136			
64 65 66	OBGN044T OBGN045L OBGN045S OBGN046T	FG/BU/SG FG/BU/SG	Slick line Slick line Slick line	135 136 137	SAPL018T	MRT	Slick line Slick line
64 65 66	OBGN044T OBGN045L OBGN045S	FG/BU/SG FG/BU/SG Deliverability Test	Slick line Slick line	135 136 137	SAPL018T UGHE005L	MRT FG/BU/SG	Slick line

141 UGHE025T FG/BU/ 142 UGHW007S FG/BU/ 143 UGHW011L FG/BU/ 144 UGHW020L FG/BU/ 145 UGHW026S FG/BU/ 146 UGHW028S FG/BU/ 147 UTOR005L FG/BU/ 148 UTOR006L FG/BU/ 149 UTOR006S FG/BU/ 150 UTOR007L FG/BU/ 151 UTOR009T FG/BU/ 152 UTOR012L FG/BU/ 153 UTOR012S FG/BU/ 154 UZRE001S FG/BU/ 155 UZRE003L FG/BU/ 156 UZRE003S FG/BU/ 157 UZRE004L FG/BU/ 158 UZRE008L FG/BU/ 160 UZRE019S FG/BU/ 161 UZRE021L FG/BU/ 162 UZRE022S FG/BU/ 163 UZRW002L FG/BU/ 164 UZRW005S SG 165 UZRW007L FG/BU/ 166 UZRW007S FG/BU/ 167 UZRW010S SG 168 OLOM 07L CO2 TRA 169 OLOM022L CO2 TRA <t< th=""><th>SG Slick line SG Slick line</th><th>212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241</th><th>CAWC001L CAWC001S CAWC006T CAWC010L CAWC010S CAWC012L CAWC016 CAWC017T CAWC018T CAWC018T CAWC021L CAWC021L</th><th>C/O log C/O log C/O log SG SG</th><th>Electric Line Electric Line Slick Line Electric Line Slick Line Slick Line Electric Line Slick Line</th></t<>	SG Slick line	212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241	CAWC001L CAWC001S CAWC006T CAWC010L CAWC010S CAWC012L CAWC016 CAWC017T CAWC018T CAWC018T CAWC021L CAWC021L	C/O log C/O log C/O log SG	Electric Line Electric Line Slick Line Electric Line Slick Line Slick Line Electric Line Slick Line
143 UGHW011L FG/BU/ 144 UGHW020L FG/BU/ 145 UGHW026S FG/BU/ 146 UGHW028S FG/BU/ 147 UTOR005L FG/BU/ 148 UTOR006L FG/BU/ 149 UTOR007L FG/BU/ 150 UTOR007L FG/BU/ 151 UTOR009T FG/BU/ 152 UTOR012L FG/BU/ 153 UTOR012S FG/BU/ 154 UZRE001S FG/BU/ 155 UZRE003L FG/BU/ 156 UZRE003S FG/BU/ 157 UZRE004L FG/BU/ 158 UZRE008L FG/BU/ 159 UZRE019S FG/BU/ 160 UZRE019S FG/BU/ 161 UZRE022L FG/BU/ 162 UZRE022S FG/BU/ 163 UZRW005S SG 164 UZRW005S SG 165 UZRW005C FG/B	SG Slick line	213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241	BONN010L BONN010S BONN012S BONN012S BONN013T BONN016L BONN016L BONN016L BONN016L BONN016L BONN018L BONT002L BONT002L CAWC001L CAWC001C CAWC010L CAWC010L CAWC010L CAWC010S CAWC012L CAWC016 CAWC017T CAWC018T CAWC018T CAWC021L CAWC021L CAWC021L CAWC021L CAWC022L CAWC023L CAWC028T CAWC029T	\$G \$G \$G \$G \$C/O log \$G	Slick line Slick line Electric Line Slick Line Electric Line Slick Line
144 UGHW020L FG/BU/ 145 UGHW026S FG/BU/ 146 UGHW028S FG/BU/ 147 UTOR005L FG/BU/ 148 UTOR006L FG/BU/ 149 UTOR007L FG/BU/ 150 UTOR007L FG/BU/ 151 UTOR009T FG/BU/ 152 UTOR012L FG/BU/ 153 UTOR012S FG/BU/ 154 UZRE001S FG/BU/ 155 UZRE003L FG/BU/ 156 UZRE003S FG/BU/ 157 UZRE004L FG/BU/ 158 UZRE008L FG/BU/ 159 UZRE019L FG/BU/ 160 UZRE019S FG/BU/ 161 UZRE022L FG/BU/ 162 UZRE022S FG/BU/ 163 UZRW002L FG/BU/ 164 UZRW005S SG 165 UZRW007L FG/BU/ 166 UZRW007S FG/BU/ 167 UZRW010S SG 168 OLOM 07L CO2 TRA 169 OLOM022L CO2 TRA 169 OLOM022L CO2 TRA 170 KOKR007 C/O10 <tr< td=""><td>SG Slick line SG Slick line</td><td>214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 230 231 232 233 234 235 236 237 238 239 240 240 241</td><td>BONN010S BONN012 BONN012S BONN012S BONN013T BONN016L BONN016L BONN016S BONN018L BONT002L BONT002S CAWC001L CAWC001S CAWC001L CAWC010L CAWC010L CAWC010E CAWC010L CAWC010S CAWC012L CAWC016 CAWC017T CAWC018T CAWC018T CAWC021L CAWC021L CAWC021L CAWC022L CAWC023L CAWC022T CAWC029T</td><td>SG C/O log SG SG</td><td>Slick line Electric Line Slick Line Electric Line Slick Line Electric Line Slick Line Electric Line Slick Line</td></tr<>	SG Slick line	214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 230 231 232 233 234 235 236 237 238 239 240 240 241	BONN010S BONN012 BONN012S BONN012S BONN013T BONN016L BONN016L BONN016S BONN018L BONT002L BONT002S CAWC001L CAWC001S CAWC001L CAWC010L CAWC010L CAWC010E CAWC010L CAWC010S CAWC012L CAWC016 CAWC017T CAWC018T CAWC018T CAWC021L CAWC021L CAWC021L CAWC022L CAWC023L CAWC022T CAWC029T	SG C/O log SG	Slick line Electric Line Slick Line Electric Line Slick Line Electric Line Slick Line Electric Line Slick Line
145 UGHW026S FG/BU/ 146 UGHW028S FG/BU/ 147 UTOR005L FG/BU/ 148 UTOR006L FG/BU/ 149 UTOR007L FG/BU/ 150 UTOR007L FG/BU/ 151 UTOR009T FG/BU/ 152 UTOR012L FG/BU/ 153 UTOR012S FG/BU/ 154 UZRE001S FG/BU/ 155 UZRE003L FG/BU/ 156 UZRE003S FG/BU/ 157 UZRE004L FG/BU/ 158 UZRE008L FG/BU/ 159 UZRE019L FG/BU/ 160 UZRE019S FG/BU/ 161 UZRE022L FG/BU/ 162 UZRE022S FG/BU/ 163 UZRW005S SG 165 UZRW005S SG 165 UZRW007L FG/BU/ 160 UZRW007S FG/BU/ 161 UZRW007S FG/B	SG Slick line	215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241	BONN012 BONN012S BONN013T BONN016L BONN016L BONN016S BONN018L BONT002L BONT002S CAWC001L CAWC001C CAWC010L CAWC010L CAWC010L CAWC010S CAWC012L CAWC012L CAWC018 CAWC012L CAWC018T CAWC018T CAWC021L CAWC021L CAWC021L CAWC021S CAWC022L CAWC023L CAWC029T	C/O log SG	Electric Line Slick Line Electric Line Slick Line
146 UGHW028S FG/BU/ 147 UTOR005L FG/BU/ 148 UTOR006L FG/BU/ 149 UTOR006S FG/BU/ 150 UTOR007L FG/BU/ 151 UTOR009T FG/BU/ 152 UTOR012L FG/BU/ 153 UTOR012S FG/BU/ 154 UZRE001S FG/BU/ 155 UZRE003L FG/BU/ 156 UZRE003S FG/BU/ 157 UZRE004L FG/BU/ 158 UZRE008L FG/BU/ 159 UZRE019L FG/BU/ 160 UZRE019S FG/BU/ 161 UZRE022L FG/BU/ 162 UZRE022S FG/BU/ 163 UZRW005S SG 164 UZRW005S SG 165 UZRW007L FG/BU/ 166 UZRW007S FG/BU/ 167 UZRW010S SG 168 OLOM 07L CO2 TRA<	SG Slick line SICE SICE SICE SG SICE SICE SICE SG SICE SICE SICE SG SICE SICE SICE SICE SICE SICE SICE SICE	216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241	BONN012S BONN013T BONN016L BONN016L BONN016S BONN018L BONT002L BONT002S CAWC001L CAWC001S CAWC010L CAWC010L CAWC010L CAWC010S CAWC012L CAWC016 CAWC017T CAWC018T CAWC018T CAWC021L CAWC021L CAWC021L CAWC021S CAWC022L CAWC023L CAWC028T CAWC029T	\$G \$	Slick line Electric Line Slick Line Slick Line Slick Line Slick Line Slick Line Slick Line
147 UTOR005L FG/BU/ 148 UTOR006L FG/BU/ 149 UTOR006S FG/BU/ 150 UTOR007L FG/BU/ 151 UTOR009T FG/BU/ 152 UTOR012L FG/BU/ 153 UTOR012S FG/BU/ 154 UZRE001S FG/BU/ 155 UZRE003L FG/BU/ 156 UZRE003S FG/BU/ 157 UZRE004L FG/BU/ 158 UZRE008L FG/BU/ 159 UZRE019L FG/BU/ 160 UZRE019S FG/BU/ 161 UZRE022L FG/BU/ 162 UZRE022S FG/BU/ 163 UZRW002L FG/BU/ 164 UZRW005S SG 165 UZRW007L FG/BU/ 166 UZRW007S FG/BU/ 167 UZRW010S SG 168 OLOM 07L CO2 TRA 169 OLOM022L CO2	SG Slick line	217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241	BONN013T BONN016L BONN016S BONN016S BONN018L BONT002L BONT002S CAWC001L CAWC001S CAWC010L CAWC010L CAWC010L CAWC010S CAWC012L CAWC016 CAWC017T CAWC018T CAWC018T CAWC021L CAWC021L CAWC021L CAWC021C CAWC022L CAWC023L CAWC028T CAWC029T	\$G \$	Slick line Electric Line Slick Line
148 UTOR006L FG/BU/ 149 UTOR006S FG/BU/ 150 UTOR007L FG/BU/ 151 UTOR009T FG/BU/ 152 UTOR012L FG/BU/ 153 UTOR012S FG/BU/ 154 UZRE001S FG/BU/ 155 UZRE003L FG/BU/ 156 UZRE003S FG/BU/ 157 UZRE004L FG/BU/ 158 UZRE008L FG/BU/ 159 UZRE019L FG/BU/ 160 UZRE019S FG/BU/ 161 UZRE022L FG/BU/ 162 UZRE022S FG/BU/ 163 UZRW002L FG/BU/ 164 UZRW005S SG 165 UZRW007L FG/BU/ 166 UZRW007S FG/BU/ 167 UZRW010S SG 168 OLOM 07L CO2 TRA 169 OLOM022L CO2 TRA 170 KOKR007 C/O	SG Slick line	218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 234 235 236 237 238 239 240 241	BONN016L BONN016S BONN018L BONN018L BONT002L BONT002S CAWC001L CAWC001S CAWC010L CAWC010L CAWC010L CAWC010S CAWC012L CAWC016 CAWC017T CAWC018T CAWC018T CAWC021L CAWC021L CAWC021L CAWC021S CAWC022L CAWC023L CAWC028T CAWC029T	SG C/O log SG C/O log FG/BU/SG FG/BU/SG FG/BU/SG FG/BU/SG FG/BU/SG FG/BU/SG	Slick line Electric Line Slick Line
149 UTOR006S FG/BU/ 150 UTOR007L FG/BU/ 151 UTOR009T FG/BU/ 152 UTOR012L FG/BU/ 153 UTOR012S FG/BU/ 154 UZRE001S FG/BU/ 155 UZRE003L FG/BU/ 156 UZRE003S FG/BU/ 157 UZRE004L FG/BU/ 158 UZRE008L FG/BU/ 159 UZRE019L FG/BU/ 160 UZRE019S FG/BU/ 161 UZRE022L FG/BU/ 162 UZRE022S FG/BU/ 163 UZRW002L FG/BU/ 164 UZRW005S SG 165 UZRW007S FG/BU/ 166 UZRW007S FG/BU/ 167 UZRW010S SG 168 OLOM 07L CO2 TRA 169 OLOM022L CO2 TRA 170 KOKR007 C/O1o 171 KOKR009 C/O1o	SG Slick line SICK Ine SCER I	219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241	BONN016S BONN018L BONT002L BONT002S CAWC001L CAWC001S CAWC010L CAWC010L CAWC010L CAWC010S CAWC012L CAWC016 CAWC017T CAWC018T CAWC018T CAWC018T CAWC021L CAWC021L CAWC021L CAWC021S CAWC022L CAWC023L CAWC028T CAWC029T	\$G \$	Slick line
150 UTOR007L FG/BU/ 151 UTOR009T FG/BU/ 152 UTOR012L FG/BU/ 153 UTOR012S FG/BU/ 154 UZRE001S FG/BU/ 155 UZRE003L FG/BU/ 156 UZRE003S FG/BU/ 157 UZRE004L FG/BU/ 158 UZRE008L FG/BU/ 159 UZRE019L FG/BU/ 160 UZRE019S FG/BU/ 161 UZRE022L FG/BU/ 162 UZRE022S FG/BU/ 163 UZRW002L FG/BU/ 164 UZRW005S SG 165 UZRW007L FG/BU/ 166 UZRW007S FG/BU/ 167 UZRW010S SG 168 OLOM 07L CO2 TRA 169 OLOM022L CO2 TRA 170 KOKR007 C/O1o 171 KOKR009 C/O1o 172 KOKR010 C/O1o 173 OVHO010 C/O1o 174 OVHO011 C/O1o 175 AKOS002 C/O1o 176 AKOS003L FG/BU/ 178 AKOS004L SG 1	SG Slick line SICK Ine SICK line	220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241	BONN018L BONT002L BONT002S CAWC001L CAWC001S CAWC010S CAWC010L CAWC010S CAWC010S CAWC010S CAWC012L CAWC016 CAWC018T CAWC018T CAWC018T CAWC021L CAWC021L CAWC021L CAWC021S CAWC022L CAWC023L CAWC029T	\$G \$	Slick line Electric Line Slick Line
151 UTOR009T FG/BU/ 152 UTOR012L FG/BU/ 153 UTOR012S FG/BU/ 154 UZRE001S FG/BU/ 155 UZRE003L FG/BU/ 156 UZRE003S FG/BU/ 157 UZRE004L FG/BU/ 158 UZRE008L FG/BU/ 159 UZRE019L FG/BU/ 160 UZRE019S FG/BU/ 161 UZRE022L FG/BU/ 162 UZRE022S FG/BU/ 163 UZRW002L FG/BU/ 164 UZRW005S SG 165 UZRW007S FG/BU/ 166 UZRW007S FG/BU/ 167 UZRW010S SG 168 OLOM 07L CO2 TRA 169 OLOM022L CO2 TRA 170 KOKR007 C/Olo 171 KOKR009 C/Olo 172 KOKR010 C/Olo 173 OVHO011 C/Olo <td>SG Slick line SG Slick line</td> <td>221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241</td> <td>BONT002L BONT002S CAWC001L CAWC001S CAWC010L CAWC010L CAWC010L CAWC010S CAWC012L CAWC016 CAWC016 CAWC018T CAWC018T CAWC021L CAWC021L CAWC021L CAWC021L CAWC022L CAWC023L CAWC028T CAWC029T</td> <td>SG SG SG SG SG SG SG C/O log SG C/O log SG C/O log SG C/O log C/O log FG/BU/SG FG/BU/SG C/O log C/O log FG/BU/SG FG/BU/SG</td> <td>Slick line Slick Line Electric Line Slick Line</td>	SG Slick line	221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241	BONT002L BONT002S CAWC001L CAWC001S CAWC010L CAWC010L CAWC010L CAWC010S CAWC012L CAWC016 CAWC016 CAWC018T CAWC018T CAWC021L CAWC021L CAWC021L CAWC021L CAWC022L CAWC023L CAWC028T CAWC029T	SG SG SG SG SG SG SG C/O log SG C/O log SG C/O log SG C/O log C/O log FG/BU/SG FG/BU/SG C/O log C/O log FG/BU/SG FG/BU/SG	Slick line Electric Line Slick Line
153 UTOR012S FG/BU/ 154 UZRE001S FG/BU/ 155 UZRE003L FG/BU/ 156 UZRE003S FG/BU/ 157 UZRE004L FG/BU/ 158 UZRE008L FG/BU/ 159 UZRE019S FG/BU/ 160 UZRE019S FG/BU/ 161 UZRE022L FG/BU/ 162 UZRE022S FG/BU/ 163 UZRW002L FG/BU/ 164 UZRW005S SG 165 UZRW007L FG/BU/ 166 UZRW007S FG/BU/ 167 UZRW010S SG 168 OLOM 07L CO2 TRA 169 OLOM022L CO2 TRA 170 KOKR007 C/O10 171 KOKR009 C/O10 172 KOKR010 C/O10 173 OVHO011 C/O10 174 OVHO011 C/O10 175 AKOS002L SG	SG Slick line SI SICK line SI S	223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241	CAWC001L CAWC001S CAWC006T CAWC010L CAWC010L CAWC010S CAWC012L CAWC016 CAWC016 CAWC018T CAWC018T CAWC021L CAWC021L CAWC021L CAWC022L CAWC023L CAWC028T CAWC029T	SG SG SG SG SG C/O log SG C/O log SG C/O log SG C/O log FG/BU/SG FG/BU/SG C/O log C/O log FG/BU/SG FG/BU/SG FG/BU/SG	Slick Line Electric Line Slick Line Slick Line Electric Line Slick Line Electric Line Slick Line Slick Line Slick Line Slick Line Slick Line
154 UZRE001S FG/BU/ 155 UZRE003L FG/BU/ 156 UZRE003S FG/BU/ 157 UZRE004L FG/BU/ 158 UZRE008L FG/BU/ 159 UZRE019L FG/BU/ 160 UZRE019S FG/BU/ 161 UZRE022L FG/BU/ 162 UZRE022S FG/BU/ 163 UZRW002L FG/BU/ 164 UZRW005S SG 165 UZRW007L FG/BU/ 166 UZRW007S FG/BU/ 167 UZRW010S SG 168 OLOM 07L CO2 TRA 169 OLOM022L CO2 TRA 170 KOKR007 C/O1o 171 KOKR009 C/O1o 172 KOKR010 C/O1o 173 OVHO010 C/O1o 174 OVHO011 C/O1o 175 AKOS002 C/O1o 176 AKOS003L FG/BU/ 179 AKOS004L SG 180 AKOS004S SG 181 AKOS005S SG 182 AKOS006T SG 183 AKOS007L FG/BU/ 184 AKOS007S<	SG Slick line SI Slick line SG Slick line SI Slick line SI S	224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241	CAWC001S CAWC010L CAWC010L CAWC010S CAWC012L CAWC016 CAWC016 CAWC018T CAWC018T CAWC021L CAWC021L CAWC021S CAWC022L CAWC023L CAWC028T CAWC029T	SG SG SG C/O log SG SG C/O log SG C/O log FG/BU/SG FG/BU/SG C/O log C/O log FG/BU/SG FG/BU/SG FG/BU/SG	Slick Line Electric Line Slick Line Slick Line Electric Line Slick Line Electric Line Electric Line
155 UZRE003L FG/BU/ 156 UZRE003S FG/BU/ 157 UZRE004L FG/BU/ 158 UZRE008L FG/BU/ 159 UZRE019L FG/BU/ 160 UZRE019S FG/BU/ 161 UZRE022L FG/BU/ 162 UZRE022S FG/BU/ 163 UZRW002L FG/BU/ 164 UZRW005S SG 165 UZRW007L FG/BU/ 166 UZRW007S FG/BU/ 167 UZRW010S SG 168 OLOM 07L CO2 TRA 169 OLOM022L CO2 TRA 170 KOKR007 C/O lo 171 KOKR009 C/O lo 172 KOKR010 C/O lo 173 OVHO010 C/O lo 174 OVHO011 C/O lo 175 AKOS002 C/O lo 176 AKOS003L FG/BU/ 179 AKOS004L SG	SG Slick line SICER Tracer Tools CER Tracer Tools GER Electric Line GER Electric Line SG Electric Line	225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241	CAWC006T CAWC010L CAWC010L CAWC010S CAWC012L CAWC016 CAWC017T CAWC018T CAWC018T CAWC021L CAWC021L CAWC021L CAWC021S CAWC022L CAWC023L CAWC028T CAWC029T	SG SG C/O log SG SG C/O log SG C/O log SG C/O log FG/BU/SG FG/BU/SG C/O log C/O log C/O log FG/BU/SG FG/BU/SG	Slick Line Slick Line Slick Line Slick Line Slick Line Electric Line Slick Line Electric Line Slick Line Electric Line Slick Line Slick Line Slick Line Slick Line Slick Line Electric Line Electric Line Slick Line
156 UZRE003S FG/BU/ 157 UZRE004L FG/BU/ 158 UZRE008L FG/BU/ 159 UZRE019L FG/BU/ 160 UZRE019S FG/BU/ 161 UZRE022L FG/BU/ 162 UZRE022S FG/BU/ 163 UZRW002L FG/BU/ 164 UZRW005S SG 165 UZRW007L FG/BU/ 166 UZRW007S FG/BU/ 167 UZRW010S SG 168 OLOM 07L CO2 TRA 169 OLOM022L CO2 TRA 170 KOKR007 C/O lo 171 KOKR007 C/O lo 172 KOKR010 C/O lo 173 OVHO010 C/O lo 174 OVHO011 C/O lo 175 AKOS002 C/O lo 176 AKOS003L FG/BU/ 179 AKOS003S FG/BU/ 179 AKOS004S SG	SG Slick line SIG Slick line SIG Slick line SIG Slick line SEE Tracer Tools SEE Tracer Tools SEE Electric Line SEE Electric Line SEE Electric Line SEE SLICK Line SEE ELECTRIC LINE SEE SLICK	226 227 228 229 230 231 232 233 234 235 236 237 238 239 240	CAWC010L CAWC010L CAWC010S CAWC012L CAWC016 CAWC016 CAWC018T CAWC018T CAWC021L CAWC021L CAWC021S CAWC022L CAWC022L CAWC023L CAWC028T CAWC029T	SG C/O log SG SG C/O log SG C/O log SG C/O log FG/BU/SG FG/BU/SG C/O log C/O log C/O log FG/BU/SG FG/BU/SG	Slick Line Electric Line Slick Line Slick Line Electric Line Electric Line Electric Line
157 UZRE004L FG/BU/ 158 UZRE008L FG/BU/ 159 UZRE019L FG/BU/ 160 UZRE019S FG/BU/ 161 UZRE022L FG/BU/ 162 UZRE022S FG/BU/ 163 UZRW002L FG/BU/ 164 UZRW005S SG 165 UZRW007L FG/BU/ 166 UZRW007S FG/BU/ 167 UZRW010S SG 168 OLOM 07L CO2 TRA 169 OLOM022L CO2 TRA 170 KOKR007 C/O lo 171 KOKR009 C/O lo 172 KOKR010 C/O lo 173 OVHO010 C/O lo 174 OVHO011 C/O lo 175 AKOS002 C/O lo 176 AKOS003L FG/BU/ 178 AKOS003L FG/BU/ 179 AKOS004S SG 180 AKOS004S SG	SG Slick line SICER Tracer Tools CER Tracer Tools G Electric Line G Electric Line G Electric Line	227 228 229 230 231 232 233 234 235 236 237 238 239 240	CAWC010L CAWC010S CAWC012L CAWC016 CAWC016 CAWC018T CAWC018T CAWC021L CAWC021L CAWC021S CAWC022L CAWC023L CAWC023T CAWC029T	C/O log SG SG C/O log SG C/O log FG/BU/SG FG/BU/SG C/O log C/O log C/O log FG/BU/SG FG/BU/SG	Electric Line Slick Line Electric Line Slick Line Electric Line Slick Line Electric Line Slick Line Slick Line Slick Line Slick Line Electric Line Electric Line Electric Line
158 UZRE008L FG/BU/ 159 UZRE019L FG/BU/ 160 UZRE019S FG/BU/ 161 UZRE022L FG/BU/ 162 UZRE022S FG/BU/ 163 UZRW002L FG/BU/ 164 UZRW005S SG 165 UZRW007L FG/BU/ 166 UZRW007S FG/BU/ 167 UZRW010S SG 168 OLOM 07L CO2 TRA 169 OLOM022L CO2 TRA 170 KOKR007 C/O lo 171 KOKR009 C/O lo 172 KOKR010 C/O lo 173 OVHO010 C/O lo 174 OVHO011 C/O lo 175 AKOS002 C/O lo 176 AKOS003L FG/BU/ 179 AKOS003L FG/BU/ 179 AKOS004L SG 180 AKOS004S SG 181 AKOS005S SG <td>SG Slick line SG Slick line SICER Tracer Tools CER Tracer Tools G Electric Line G Electric Line G Electric Line</td> <td>228 229 230 231 232 233 234 235 236 237 238 239 240</td> <td>CAWC010S CAWC012L CAWC016 CAWC017T CAWC018T CAWC018T CAWC021L CAWC021L CAWC021S CAWC022L CAWC023L CAWC023L CAWC028T CAWC029T</td> <td>SG SG C/O log SG C/O log FG/BU/SG FG/BU/SG FG/BU/SG C/O log C/O log FG/BU/SG FG/BU/SG</td> <td>Slick Line Slick Line Electric Line Slick Line Electric Line Slick Line Slick Line Slick Line Slick Line Electric Line Electric Line Electric Line</td>	SG Slick line SICER Tracer Tools CER Tracer Tools G Electric Line G Electric Line G Electric Line	228 229 230 231 232 233 234 235 236 237 238 239 240	CAWC010S CAWC012L CAWC016 CAWC017T CAWC018T CAWC018T CAWC021L CAWC021L CAWC021S CAWC022L CAWC023L CAWC023L CAWC028T CAWC029T	SG SG C/O log SG C/O log FG/BU/SG FG/BU/SG FG/BU/SG C/O log C/O log FG/BU/SG FG/BU/SG	Slick Line Slick Line Electric Line Slick Line Electric Line Slick Line Slick Line Slick Line Slick Line Electric Line Electric Line Electric Line
159 UZRE019L FG/BU/ 160 UZRE019S FG/BU/ 161 UZRE022L FG/BU/ 162 UZRE022S FG/BU/ 163 UZRW002L FG/BU/ 164 UZRW005S SG 165 UZRW007S FG/BU/ 166 UZRW010S SG 167 UZRW010S SG 168 OLOM 07L CO2 TRA 169 OLOM022L CO2 TRA 170 KOKR007 C/O lo 171 KOKR009 C/O lo 172 KOKR010 C/O lo 173 OVHO010 C/O lo 174 OVHO011 C/O lo 175 AKOS002L SG 177 AKOS003L FG/BU/ 178 AKOS003S FG/BU/ 179 AKOS004L SG 180 AKOS004S SG 181 AKOS005S SG 182 AKOS007L FG/BU/ <	SG Slick line SICER Tracer Tools CER Tracer Tools G Electric Line G Electric Line G Electric Line	229 230 231 232 233 234 235 236 237 238 239 240	CAWC012L CAWC016 CAWC017T CAWC018T CAWC018T CAWC021L CAWC021S CAWC022L CAWC022L CAWC023L CAWC028T CAWC029T	SG C/O log SG C/O log FG/BU/SG FG/BU/SG FG/BU/SG C/O log C/O log FG/BU/SG FG/BU/SG	Slick Line Electric Line Slick Line Electric Line Slick Line Slick Line Slick Line Electric Line Electric Line Electric Line
160 UZRE019S FG/BU/ 161 UZRE022L FG/BU/ 162 UZRE022S FG/BU/ 163 UZRW002L FG/BU/ 164 UZRW005S SG 165 UZRW007L FG/BU/ 166 UZRW007S FG/BU/ 167 UZRW010S SG 168 OLOM 07L CO2 TRA 169 OLOM022L CO2 TRA 170 KOKR007 C/O lo 171 KOKR009 C/O lo 172 KOKR010 C/O lo 173 OVHO010 C/O lo 174 OVHO011 C/O lo 175 AKOS002 C/O lo 176 AKOS003L FG/BU/ 178 AKOS003L FG/BU/ 179 AKOS004L SG 180 AKOS004S SG 181 AKOS005S SG 182 AKOS006T SG 183 AKOS007L FG/BU/ 184 AKOS007S SG 185 AKOS009S SG 186 AKOS010S SG 187 AKOS011 C/O lo	SG Slick line CER Tracer Tools CER Tracer Tools G Electric Line G Electric Line G Electric Line	230 231 232 233 234 235 236 237 238 239 240 241	CAWC016 CAWC017T CAWC018T CAWC018T CAWC021L CAWC021S CAWC022L CAWC022L CAWC023L CAWC028T CAWC029T	C/O log SG C/O log FG/BU/SG FG/BU/SG FG/BU/SG C/O log C/O log FG/BU/SG FG/BU/SG	Electric Line Slick Line Electric Line Slick Line Slick Line Slick Line Electric Line Electric Line Electric Line
161 UZRE022L FG/BU/ 162 UZRE022S FG/BU/ 163 UZRW002L FG/BU/ 164 UZRW007S SG 165 UZRW007S FG/BU/ 166 UZRW010S SG 168 OLOM 07L CO2 TRA 169 OLOM022L CO2 TRA 170 KOKR007 C/O lo 171 KOKR009 C/O lo 172 KOKR010 C/O lo 173 OVHO010 C/O lo 174 OVHO011 C/O lo 175 AKOS002L SG 177 AKOS003L FG/BU/ 178 AKOS003L FG/BU/ 179 AKOS004L SG 180 AKOS004S SG 181 AKOS005S SG 182 AKOS007L FG/BU/ 184 AKOS007S SG 185 AKOS010S SG 186 AKOS011 C/O lo	SG Slick line SG Slick line SG Slick line Slick line SG Slick line SG Slick line SG Slick line CER Tracer Tools CER Tracer Tools G Electric Line G Electric Line G Electric Line	231 232 233 234 235 236 237 238 239 240 241	CAWC017T CAWC018T CAWC021L CAWC021L CAWC022L CAWC022L CAWC023L CAWC028T CAWC029T	SG C/O log FG/BU/SG FG/BU/SG FG/BU/SG C/O log C/O log FG/BU/SG FG/BU/SG	Slick Line Electric Line Slick Line Slick Line Slick Line Electric Line Electric Line Slick Line
162 UZRE022S FG/BU/ 163 UZRW002L FG/BU/ 164 UZRW005S SG 165 UZRW007L FG/BU/ 166 UZRW010S FG/BU/ 167 UZRW010S SG 168 OLOM 07L CO2 TRA 169 OLOM022L CO2 TRA 170 KOKR007 C/O lo 171 KOKR009 C/O lo 172 KOKR010 C/O lo 173 OVHO010 C/O lo 174 OVHO011 C/O lo 175 AKOS002L SG 177 AKOS003L FG/BU/ 178 AKOS003L FG/BU/ 179 AKOS004L SG 180 AKOS004S SG 181 AKOS005S SG 182 AKOS007L FG/BU/ 184 AKOS007S SG 185 AKOS010S SG 186 AKOS011 C/O lo	SG Slick line SIck line CER Tracer Tools CER Tracer Tools G Electric Line G Electric Line G Electric Line	232 233 234 235 236 237 238 239 240 241	CAWC018T CAWC021B CAWC021L CAWC021S CAWC022L CAWC023L CAWC028T CAWC029T	C/O log FG/BU/SG FG/BU/SG FG/BU/SG C/O log C/O log FG/BU/SG FG/BU/SG	Electric Line Slick Line Slick Line Slick Line Electric Line Electric Line Slick Line
163 UZRW002L FG/BU/ 164 UZRW005S SG 165 UZRW007L FG/BU/ 166 UZRW010S SG 167 UZRW010S SG 168 OLOM 07L CO2 TRA 169 OLOM022L CO2 TRA 170 KOKR007 C/O lo 171 KOKR009 C/O lo 172 KOKR010 C/O lo 173 OVHO010 C/O lo 174 OVHO011 C/O lo 175 AKOS002L SG 177 AKOS003L FG/BU/ 178 AKOS003L FG/BU/ 179 AKOS004L SG 180 AKOS004S SG 181 AKOS005S SG 182 AKOS006T SG 183 AKOS007S SG 185 AKOS010S SG 186 AKOS010S SG 187 AKOS011 C/O lo	SG Slick line Slick line SG Slick line SG Slick line SG Slick line CER Tracer Tools CER Tracer Tools G Electric Line G Electric Line G Electric Line	233 234 235 236 237 238 239 240 241	CAWC018T CAWC021L CAWC021S CAWC022L CAWC023L CAWC028T CAWC029T	FG/BU/SG FG/BU/SG FG/BU/SG C/O log C/O log FG/BU/SG FG/BU/SG	Slick Line Slick Line Slick Line Electric Line Electric Line Slick Line
164 UZRW005S SG 165 UZRW007L FG/BU/ 166 UZRW007S FG/BU/ 167 UZRW010S SG 168 OLOM 07L CO2 TRA 169 OLOM022L CO2 TRA 170 KOKR007 C/O lo 171 KOKR009 C/O lo 172 KOKR010 C/O lo 173 OVHO010 C/O lo 174 OVHO011 C/O lo 175 AKOS002L SG 177 AKOS003L FG/BU/ 178 AKOS003S FG/BU/ 179 AKOS004L SG 180 AKOS004S SG 181 AKOS005S SG 182 AKOS006T SG 183 AKOS007L FG/BU/ 184 AKOS007S SG 185 AKOS009S SG 186 AKOS010S SG 187 AKOS011 C/O lo	Slick line SG Slick line SG Slick line Slick line CER Tracer Tools CER Tracer Tools G Electric Line G Electric Line G Electric Line	234 235 236 237 238 239 240 241	CAWC021L CAWC021S CAWC022L CAWC023L CAWC028T CAWC029T	FG/BU/SG FG/BU/SG C/O log C/O log FG/BU/SG FG/BU/SG	Slick Line Slick Line Electric Line Electric Line Slick Line
166 UZRW007S FG/BU/ 167 UZRW010S SG 168 OLOM 07L CO2 TRA 169 OLOM022L CO2 TRA 170 KOKR007 C/O lo 171 KOKR009 C/O lo 172 KOKR010 C/O lo 173 OVHO010 C/O lo 174 OVHO011 C/O lo 175 AKOS002 C/O lo 176 AKOS002L SG 177 AKOS003L FG/BU/ 178 AKOS003S FG/BU/ 179 AKOS004L SG 180 AKOS004S SG 181 AKOS005S SG 182 AKOS006T SG 183 AKOS007L FG/BU/ 184 AKOS009S SG 186 AKOS010S SG 187 AKOS011 C/O lo	SG Slick line Slick line CER Tracer Tools CER Tracer Tools g Electric Line g Electric Line g Electric Line	236 237 238 239 240 241	CAWC022L CAWC023L CAWC028T CAWC029T	C/O log C/O log FG/BU/SG FG/BU/SG	Electric Line Electric Line Slick Line
167 UZRW010S SG 168 OLOM 07L CO2 TRA 169 OLOM022L CO2 TRA 170 KOKR007 C/O lo 171 KOKR009 C/O lo 172 KOKR010 C/O lo 173 OVHO010 C/O lo 174 OVHO011 C/O lo 175 AKOS002 C/O lo 176 AKOS002L SG 177 AKOS003L FG/BU/ 178 AKOS003S FG/BU/ 179 AKOS004L SG 180 AKOS004S SG 181 AKOS005S SG 182 AKOS006T SG 183 AKOS007L FG/BU/ 184 AKOS007S SG 185 AKOS010S SG 186 AKOS011 C/O lo	Slick line CER Tracer Tools CER Tracer Tools g Electric Line g Electric Line g Electric Line	237 238 239 240 241	CAWC023L CAWC028T CAWC029T	C/O log FG/BU/SG FG/BU/SG	Electric Line Slick Line
168 OLOM 07L CO2 TRA 169 OLOM022L CO2 TRA 170 KOKR007 C/O lo 171 KOKR009 C/O lo 172 KOKR010 C/O lo 173 OVHO010 C/O lo 174 OVHO011 C/O lo 175 AKOS002 C/O lo 176 AKOS002L SG 177 AKOS003L FG/BU/ 178 AKOS003S FG/BU/ 179 AKOS004L SG 180 AKOS004S SG 181 AKOS005S SG 182 AKOS006T SG 183 AKOS007L FG/BU/ 184 AKOS007S SG 185 AKOS009S SG 186 AKOS010S SG 187 AKOS011 C/O lo	CER Tracer Tools CER Tracer Tools g Electric Line g Electric Line g Electric Line	238 239 240 241	CAWC028T CAWC029T	FG/BU/SG FG/BU/SG	Slick Line
169 OLOM022L CO2 TRA 170 KOKR007 C/O lo 171 KOKR009 C/O lo 172 KOKR010 C/O lo 173 OVHO010 C/O lo 174 OVHO011 C/O lo 175 AKOS002 C/O lo 176 AKOS002L SG 177 AKOS003L FG/BU/ 178 AKOS003S FG/BU/ 179 AKOS004L SG 180 AKOS004S SG 181 AKOS005S SG 182 AKOS006T SG 183 AKOS007L FG/BU/ 184 AKOS007S SG 185 AKOS009S SG 186 AKOS010S SG 187 AKOS011 C/O lo	CER Tracer Tools g Electric Line g Electric Line g Electric Line	239 240 241	CAWC029T	FG/BU/SG	_
170 KOKR007 C/O lo 171 KOKR009 C/O lo 172 KOKR010 C/O lo 173 OVHO010 C/O lo 174 OVHO011 C/O lo 175 AKOS002 C/O lo 176 AKOS002L SG 177 AKOS003L FG/BU/ 178 AKOS003S FG/BU/ 179 AKOS004L SG 180 AKOS004S SG 181 AKOS005S SG 182 AKOS006T SG 183 AKOS007L FG/BU/ 184 AKOS007S SG 185 AKOS009S SG 186 AKOS010S SG 187 AKOS011 C/O lo	g Electric Line g Electric Line g Electric Line	240 241			Slick Line
171 KOKR009 C/O lo 172 KOKR010 C/O lo 173 OVHO010 C/O lo 174 OVHO011 C/O lo 175 AKOS002 C/O lo 176 AKOS002L SG 177 AKOS003L FG/BU/ 178 AKOS003S FG/BU/ 179 AKOS004L SG 180 AKOS004S SG 181 AKOS005S SG 182 AKOS006T SG 183 AKOS007L FG/BU/ 184 AKOS007S SG 185 AKOS010S SG 186 AKOS010S SG 187 AKOS011 C/O lo	g Electric Line g Electric Line	241	CAW C033L		OU: 1 T:
172 KOKR010 C/O lo 173 OVHO010 C/O lo 174 OVHO011 C/O lo 175 AKOS002 C/O lo 176 AKOS002L SG 177 AKOS003L FG/BU/ 178 AKOS003S FG/BU/ 179 AKOS004L SG 180 AKOS004S SG 181 AKOS005S SG 182 AKOS006T SG 183 AKOS007L FG/BU/ 184 AKOS007S SG 185 AKOS010S SG 186 AKOS011 C/O lo	g Electric Line		CAWICOZEC	SG	Slick Line
173 OVHO010 C/O lo 174 OVHO011 C/O lo 175 AKOS002 C/O lo 176 AKOS002L SG 177 AKOS003L FG/BU/ 178 AKOS003S FG/BU/ 179 AKOS004L SG 180 AKOS004S SG 181 AKOS005S SG 182 AKOS006T SG 183 AKOS007L FG/BU/ 184 AKOS007S SG 185 AKOS010S SG 186 AKOS011 C/O lo		242	CAWC035S CAWC039L	SG	Slick Line Slick Line
174 OVHO011 C/O lo 175 AKOS002 C/O lo 176 AKOS002L SG 177 AKOS003L FG/BU/ 178 AKOS003S FG/BU/ 179 AKOS004L SG 180 AKOS004S SG 181 AKOS005S SG 182 AKOS006T SG 183 AKOS007L FG/BU/ 184 AKOS007S SG 185 AKOS010S SG 186 AKOS011 C/O lo	g Electric Line	243	CAWC039E	SG	Slick Line
176 AKOS002L SG 177 AKOS003L FG/BU/ 178 AKOS003S FG/BU/ 179 AKOS004L SG 180 AKOS004S SG 181 AKOS005S SG 182 AKOS006T SG 183 AKOS007L FG/BU/ 184 AKOS007S SG 185 AKOS009S SG 186 AKOS010S SG 187 AKOS011 C/O lo			CAWC040L	SG	Slick Line
177 AKOS003L FG/BU/ 178 AKOS003S FG/BU/ 179 AKOS004L SG 180 AKOS004S SG 181 AKOS005S SG 182 AKOS006T SG 183 AKOS007L FG/BU/ 184 AKOS007S SG 185 AKOS009S SG 186 AKOS010S SG 187 AKOS011 C/O lo			CAWC040S	SG	Slick Line
178 AKOS003S FG/BU/ 179 AKOS004L SG 180 AKOS004S SG 181 AKOS005S SG 182 AKOS006T SG 183 AKOS007L FG/BU/ 184 AKOS007S SG 185 AKOS009S SG 186 AKOS010S SG 187 AKOS011 C/O lo	Slick line	246	CAWC042T	FG/BU/SG	Slick Line
179 AKOS004L SG 180 AKOS004S SG 181 AKOS005S SG 182 AKOS006T SG 183 AKOS007L FG/BU/ 184 AKOS007S SG 185 AKOS009S SG 186 AKOS010S SG 187 AKOS011 C/O lo		247	CAWC044S	SG	Slick Line
180 AKOS004S SG 181 AKOS005S SG 182 AKOS006T SG 183 AKOS007L FG/BU/ 184 AKOS007S SG 185 AKOS009S SG 186 AKOS010S SG 187 AKOS011 C/O lo	SG Slick line		CAWC049S	SG	Slick Line
181 AKOS005S SG 182 AKOS006T SG 183 AKOS007L FG/BU/ 184 AKOS007S SG 185 AKOS009S SG 186 AKOS010S SG 187 AKOS011 C/O lo	Slick line		CAWC051T	FG/BU/SG	Slick Line
182 AKOS006T SG 183 AKOS007L FG/BU/ 184 AKOS007S SG 185 AKOS009S SG 186 AKOS010S SG 187 AKOS011 C/O lo	Slick line		CAWC052L	C/O log	Electric Line
183 AKOS007L FG/BU/ 184 AKOS007S SG 185 AKOS009S SG 186 AKOS010S SG 187 AKOS011 C/O lo	Slick line Slick line		CAWC09T	C/O log PVT	Electric Line
184 AKOS007S SG 185 AKOS009S SG 186 AKOS010S SG 187 AKOS011 C/O lo			CAWC18T CAWC21L	PVT	Other Other
185 AKOS009S SG 186 AKOS010S SG 187 AKOS011 C/O lo	Slick line		CAWC21E CAWC28T	PVT	Other
186 AKOS010S SG 187 AKOS011 C/O lo	Slick line		CAWC29T	PVT	Other
 	Slick line		CAWC42T	PVT	Other
188 AKOS011L SG			CAWC4T	PVT	Other
	Slick line	258	EA 51	FG/BU/SG	Slick line
189 AKOS011S SG	Slick line	259	EA21	SG	Slick line
190 AKOS013L SG	Slick line		EA23	SG	Slickline
191 AKOS013S SG	Slick line		EA24	C/O log	Slickline
192 AKOS014L SG	Slick line		EA24	SG	Slickline
193 AKOS014S SG 194 AKOS10L SG	Slick line		EA25	PLT SG	CT Slide line
194 AKOS10L SG 195 ALAK003L FG/BU/	Slick line SG Slick line		EA25 EA26	FG/BU/SG	Slick line Slickline
196 ALAK003S FG/BU/			EA32	SG	Slickline
196 ALAK003S FG/BU/ 197 ALAK007L FG/BU/			EA32	PLT	СТ
198 ALAK007S FG/BU/			EA33	C/O log	Slick line
199 ALAK009T MRT			EA35	SG	Slick line
200 ALAK011T FG/BU/			EA36	SG	Slickline
201 ALAK016T SG	Slick line	271	EA37	SG	Slickline
202 ALAK019T SG	Slick line		EA42	PLT	CT
203 ALAK021T SG	Slick line		EA42	SG	Slick line
204 ALAK022T FG/BU/	SC4 Tellar III		EA46	SG FG /BH /SG	Slick line
205 ALAK023T MRT			EA47	FG/BU/SG PLT	Slick line
206 ALAK025T FG/BU/ 207 ALAK027L FG/BU/	Slick line		EA48 EA49	FG/BU/SG	CT Slick line
207 ALAK027L FG/BU/ 208 ALAK031L FG/BU/	Slick line SG Slick line	2//	EA50	FG/BU/SG	Slick line Slick line
209 ALAK031T MRT	Slick line SG Slick line SG Slick line		111110	C/O log	Slickline
210 AWOB009L SG	Slick line SG Slick line SG Slick line	278	EA53		V11411111C

5/N	Well/String	Data Type	Acquisition Method
281	EA-54	FG/BU/SG	Slickline
282	EA-54	SG	Slick line
283	AFRE-004S	SG	Slick line
284	AFRE-007L	SG	Slick line
285	AFRE-014L	SG	Slick line
286	AFRE-014S	SG	Slick line
	AGBA-0001L	SG	Slick line
	AJUJ-001L	SG	Slick line
	AJUJ-001S	SG	Slick line
	AKON-001L	SG	Slick line
		SG	_
	AKON-001S		Slick line
	BATA-006L	SG	Slick line
	BENS-006S	SG	Slick line
294	BENS-010	C/O log	Electric line
295	BENS-010L	SG	Slick line
296	BENS-010L	SG	Slick line
297	BENS-011S	SG	Slick line
298	BENS-013T	SG	Slick line
	BENS-017L	SG	Slick line
	BENS-017S	SG	Slick line
	BENS-019L	SG FG /PH /SG	Slick line
	ESCB-001L	FG/BU/SG	Slick line
303	ESCB-001S	FG/BU/SG	Slick line
304	ESCB-002	C/O log	Electric line
305	ESCB-002L	SG	Slick line
306	ESCB-003T	FG/BU/SG	Slick line
307	ESCB-004S	SG	Slick line
	ESCB-005L	PVT	Sep. Sampling
	ESCB-006	C/O log	Electric line
		SG	Slick line
	ESCB-006L		_
	ESCB-006S	SG	Slick line
312	ESCB-010L	SG	Slick line
313	ESCB-011S	SG	Slick line
314	ESCB-013S	PVT	Other
315	ESCB-013S	FG/BU/SG	Slick line
316	ESCB-014	C/O log	Electricline
317	ESCB-014S	SG	Slick line
	FORC-002L	SG	Slick line
	FORC-005S	SG	Slick line
	FORC-015S	SG	Slick line
	FORC-015S	SG	Slick line
	FORC-023L	SG	Slick line
323	FORC-025T	SG	Slick line
324	FORC-026S	SG	Slick line
325	FORC-027L	SG	Slick line
326	FORC-027S	SG	Slick line
	FORC-028L	SG	Slick line
	FORC-028S	PVT	Sep. Sampling
	FORC-029L	SG	Slick line
	FORC-029S	SG	Slick line
	FORC-029S	FG/BU/SG	
	FORC-030L FORC-032		Slick line
		C/O log	Electric line
	FORC-032L	PVT	Sep. Sampling
	FORC-032S	SG	Slick line
	FORC-033L	SG	Slick line
	FORC-041S	SG	Slick line
	FORC-046	C/O log	Electric line
	FORC-046L	SG	Slick line
	FORC-046S	SG	Slick line
340	FORC-054L	SG	Slick line
	FORC-058S	C/O log	Slick line
	EODC OFOC	SG	Slick line
341	FORC-059S		Other
341 342	FORC-061S	PVT	Ouici
341 342 343		PVT PVT	Sep. Sampling
341 342 343 344	FORC-061S FORC-065S	†	Sep. Sampling
341 342 343 344 345	FORC-061S FORC-065S FORC-066L	PVT SG	Sep. Sampling Slick line
341 342 343 344 345 346	FORC-061S FORC-065S FORC-066L FORC-066S	PVT SG SG	Sep. Sampling Slick line Slick line
341 342 343 344 345 346 347	FORC-061S FORC-065S FORC-066L FORC-066S FORC-075T	PVT SG SG SG	Sep. Sampling Slick line Slick line Slick line
341 342 343 344 345 346 347 348	FORC-061S FORC-065S FORC-066L FORC-066S FORC-075T FORC-084L	PVT SG SG SG SG	Sep. Sampling Slick line Slick line Slick line Slick line
341 342 343 344 345 346 347 348 349	FORC-061S FORC-065S FORC-066L FORC-066S FORC-075T	PVT SG SG SG	Sep. Sampling Slick line Slick line Slick line

S/N	Well/String	Data	Acquisition
0,14	" cii, ouing	Type	Method
352	FORC-103S	SG	Slick line
	FORC-109T	FG/BU/SG	Slick line
	FORC-111T	FG/BU/SG	Slick line
	FORC-111T	FG/BU/SG	Slick line
	FORC-114L	FG/BU/SG	Slick line
	FORC-119S	SG	Slick line
	FORC-124S	FG/BU/SG	Slick line
	FORC-126S	FG/BU/SG	Slick line
	FORC-1265	FG/BU/SG	Slick line
	FORC-150T	FG/BU/SG	Slick line
		SG	Slick line
	JONC-016L JONC-019T	SG	Slick line
	-	SG	1
	JONC-023S	SG	Slick line
	JONC-031L		Slick line
	JONC-036L	SG	Slick line
	JONC-037T	SG	Slick line
	JONC-040L	SG	Slick line
	JONC-041L	SG	Slick line
	KANB-003L	SG	Slick line
	KANB-004L	SG	Slick line
	KANB-006T	SG	Slick line
	KANB-007S	SG	Slick line
	OGBO-008T	SG	Slick line
	OGBO-014T	SG	Slick line
	OPNO-001L	SG	Slick line
	OPNO-005S	SG	Slick line
	OPOM-001	C/O log	Electric line
	OPOM-001S	SG	Slick line
	OPUK-011S	SG	Slick line
	OPUK-012S	SG	Slick line
	OPUK-017L	SG	Slick line
	OPUK-018S	SG	Slick line
	TUNU-002	C/O log	Electric line
	OTUM002L	CO2 TRACER	Tracer Tools
	OTUM002S	CO2 TRACER	Tracer Tools
387		CO2 TRACER CO2 TRACER	Tracer Tools
388	OTUM012L	CO2 TRACER	Tracer Tools

Appendix-2: Baseline List of Corporate Surveillance Projects for 2011

App	endix-2:	Baseline List	or Corpo	rate	Survemand	e i iojects ioi	. 4011
S/N	Well/String	Data Type	Acquisition Method	S/N	Well/String	Data Type	Acquisition Method
1	ADIB010S	FG/BU/SG	Slick line	-74	ODGN 1040T	EC /PH /CC	C1: 1 1:
2	ADIB025L	FG/BU/SG	Slick line	71	OBGN039T OBGN043T	FG/BU/SG Deliverability Test	Slick line Slick line
3	ADNE001S	FG/BU/SG	Slick line	73	OBGN044T	Deliverability Test	Slick line
4	AFAM008T	Deliverability Test	Slick line	74	OBGN046T	Deliverability Test	Slick line
5	AFAM022T	Deliverability Test	Slick line	75	OBGN048L	SG	Slick line
7	AGBD004L AGBD032L	FG/BU/SG	Slick line Slick line	76	OBGN048L	SG	Slick line
8	AGBD032L AGBD047L	FG/BU/SG FG/BU/SG	Slick line	77	OBGN051L	FG/BU/SG	Slick line
9	AGBD047S	FG/BU/SG	Slick line	78	OBGN051L	FG/BU/SG	Slick line
10	AGBD052L	FG/BU/SG	Slick line	79	OBGN051S	FG/BU/SG	Slick line
11	AGBD052S	FG/BU/SG	Slick line	80	OBGN053T	FG/BU/SG	Slick line
12	AGBD058L	FG/BU/SG	Slick line	81	OBGN053T	SG EC/BU/SC	Slick line
13	AHIA003L	FG/BU/SG	Slick line	83	OBGN055S OGBN034	FG/BU/SG C/O Log	Slickline Electric line
14	AHIA005L	FG/BU/SG	Slick line	84	OGUT002S	FG/BU/SG	Slick line
15	DBUC001S	FG/BU/SG	Slick line	85	OGUT013T	FG/BU/SG	Slick line
16	DBUC013T	SG	Slick line	86	OGUT026T	FG/BU/SG	Slick line
17	DBUC015T EGBW021	FG/BU/SG PLT	Slick line Electric line	87	OGUT027S	FG/BU/SG	Slick line
18	ELEW016	C/O Log	Electric line	88	OTAM005S	FG/BU/SG	Slick line
20	ELWA015L	FG/BU/SG	Slick line	89	SAPL017T	MRT	Slick line
21	ELWA018S	FG/BU/SG	Slick line	90	SAPL018T	MRT	Slick line
22	IMOR001T	FG/BU/SG	Slick line	91	UGHW028S	FG/BU/SG	Slick line
23	IMOR005L	FG/BU/SG	Slick line	92	ERMU014S	SG FG/BU/SG	Slick line
24	IMOR007L	FG/BU/SG	Slick line	93	OBEN024L UGHE006S	FG/BU/SG	Slick line Slick line
25	IMOR019L	FG/BU/SG	Slick line	95	UGHE005L	FG/BU/SG	Slick line
26	IMOR019S	FG/BU/SG	Slick line	96	UGHW007S	FG/BU/SG	Slick line
27	IMOR019S	FG/BU/SG	Slick line	97	UGHW026S	FG/BU/SG	Slick line
28	IMOR020L	FG/BU/SG	Slick line	98	UZRE003S	FG/BU/SG	Slick line
29 30	IMOR020S	FG/BU/SG	Slick line	99	UZRE022S	FG/BU/SG	Slick line
31	IMOR022S IMOR022S	SG SG	Slick line Slick line	100	UZRW007S	FG/BU/SG	Slick line
32	IMOR0223	SG	Slick line	101	EVWR010S	FG/BU/SG	Slick line
33	IMOR030S	FG/BU/SG	Slick line	102	UZRW014L	SG	Slick line
34	IMOR031S	FG/BU/SG	Slick line	103	OLOM003L	FG/BU/SG	Slick line
35	IMOR036S	FG/BU/SG	Slick line	104	OWEH006L AKOS003S	FG/BU/SG FG/BU/SG	Slick line Slick line
36	IMOR044L	FG/BU/SG	Slickline	106	AKOS003L	FG/BU/SG	Slick line
37	IMOR044S	FG/BU/SG	Slickline	107	AKOS007L	FG/BU/SG	Slick line
38	IMOR045L	FG/BU/SG	Slick line	108	AKOS006T	SG	Slick line
39	IMOR049S	SG	Slick line	109	AKOS010S	SG	Slick line
40	IMOR053L	FG/BU/SG	Slick line	110	AKOS004S	SG	Slick line
41	IMOR056L	FG/BU/SG	Slickline	111	AKOS004L	SG	Slick line
42	IMOR058T IMOR060T	FG/BU/SG FG/BU/SG	Slickline Slickline	112	AKOS013S	SG	Slick line
44	IMOR063T	FG/BU/SG	Slickline	113	AKOS013L	SG	Slick line
45	IMOR064L	FG/BU/SG	Slick line	114	AKOS002L	SG EC/BU/SC	Slick line
46	KOCR019T	SG	Slick line	115	ALAK003L ALAK003S	FG/BU/SG FG/BU/SG	Slick line Slick line
47	KOCR025T	FG/BU/SG	Slick line	117	ALAK007L	FG/BU/SG	Slick line
48	MINI003	C/O Log	Electric line	118	ALAK007S	FG/BU/SG	Slick line
49	NUNR003L	FG/BU/SG	Slick line	119	ALAK009T	SG	Slick line
50	NUNR003S	FG/BU/SG	Slick line	120	ALAK021T	SG	Slick line
51	NUNR006L	FG/BU/SG	Slick line	121	ALAK023T	SG	Slick line
52	NUNR006S	FG/BU/SG	Slick line	122	ALAK034T	SG	Slick line
53	NUNR017S	FG/BU/SG	Slick line	123	ALAK031L	FG/BU/SG	Slick line
54 55	OBEA023T OBGN:018S	Deliverability Test SG	Slick line Slick line	124	ALAK011T	FG/BU/SG	Slick line
56	OBGN:018S OBGN:024S	FG/BU/SG	Slick line	125	ALAK016T	SG EG/BU/SG	Slick line
57	OBGN:0243	FG/BU/SG	Slick line	126	ALAK022T ALAK025T	FG/BU/SG FG/BU/SG	Slick line Slick line
58	OBGN005L	FG/BU/SG	Slickline	128	ALAK0251 ALAK019T	SG	Slick line
59	OBGN005S	FG/BU/SG	Slick line	129	ALAK027L	FG/BU/SG	Slick line
60	OBGN006S	SG	Slick line	130	AWOB009L	SG	Slick line
61	OBGN007L	FG/BU/SG	Slick line	131	AWOB002T	Caliper survey	Electric line
62	OBGN007L	SG	Slick line	132	AWOB003S	FG/BU/SG	Slick line
63	OBGN008L	FG/BU/SG	Slick line	133	AWOB007S	FG/BU/SG	Slick line
64	OBGN018S	SG /PV /00	Slick line	134	AWOB007L	FG/BU/SG	Slick line
65	OBGN021T	FG/BU/SG	Slickline	135	AWOB004S	SG	Slick line
66	OBGN022T	Temp/Caliper log	Slick line	136	AWOB009S	FG/BU/SG	Slick line
68	OBGN025T	FG/BU/SG	Slick line	137	AWNW001L	FG/BU/SG	Slick line
68 69	OBGN026T OBGN030T	FG/BU/SG Temp/Caliper log	Slick line Slick line	138	AWNW001S BELE001L	FG/BU/SG FG/BU/SG	Slick line Slick line
70	OBGN0301 OBGN031T	Temp/Caliper log	Slick line	140	BELEOOIL BELEOOIS	FG/BU/SG	Slick line
7.0	CDOMOTH	remp/ Camper 10g	SHCK HITE	140	DEPT. 20019	1.0/10/30	опск ипе

s/N	Well/String	Data Type	Acquisition Method	s/N	Well/String	Data Type	Acquisition Method
141	BELE002T	FG/BU/SG	Slick line	211	KRAK008S	FG/BU/SG	Slick line
	BELE003S	FG/BU/SG	Slick line	212		FG/BU/SG	Slick line
143	BELE004T	FG/BU/SG	Slick line	213	KRAK016L	FG/BU/SG	Slick line
	BELE005L BELE006L	FG/BU/SG FG/BU/SG	Slick line	214	KRAK016S	FG/BU/SG	Slick line
145	BELE006L BELE007L	FG/BU/SG FG/BU/SG	Slick line Slick line	216	ODEC002L ODEC002S	FG/BU/SG FG/BU/SG	Slick line Slick line
147	BELE007S	FG/BU/SG	Slick line	217	ODEC004L	FG/BU/SG	Slick line
148	BELE008T	FG/BU/SG	Slick line	218	ODEC004S	FG/BU/SG	Slick line
149	BELE010L	FG/BU/SG	Slick line	219	ODEC007L	FG/BU/SG	Slick line
150	BELE010S	FG/BU/SG	Slick line	220	ODEC007S	FG/BU/SG	Slick line
151	BELE011T	FG/BU/SG	Slick line	221	ODEC008L	FG/BU/SG	Slick line
152	BONN010L	SG	Slick line	222	ODEC009L	FG/BU/SG	Slick line
153	BONN010S	SG	Slick line	223	ODEC009S	FG/BU/SG	Slick line
154	BONN012S	SG	Slick line	224	ORUB004T	FG/BU/SG	Slick line
155	BONN013T	SG SG	Slick line	225	ORUB007L	FG/BU/SG FG/BU/SG	Slick line
156 157	BONN016L BONN016S	SG	Slick line Slick line	226	ORUB007S ORUB010L	SG	Slick line Slick line
158	BONN018L	SG	Slick line	228	ORUB010S	SG	Slick line
159	BONN006T	FG/BU/SG	Slick line	229	FORC-025T	SG	Slick line
160	BONN009T	FG/BU/SG	Slick line	230	FORC-066L	SG	Slick line
161	BONN011L	FG/BU/SG	Slick line	231	FORC-027L	SG	Slick line
162	BONN011S	FG/BU/SG	Slick line	232	JONC-037T	PVT	Other
163	BONN012L	FG/BU/SG	Slick line	233	AJAT-001L	SG	Slick line
164	BONN018S	FG/BU/SG	Slick line	234	FORC-033L	SG	Slick line
165	BONN019S	FG/BU/SG	Slick line	235	FORC-103S	SG	Slick line
166 167	BONT002L BONT002S	SG SG	Slick line Slick line	236	FORC-002L FORC-046L	SG SG	Slick line Slick line
168	CAWC039S	SG	Slick Line	238	FORC-046L FORC-114L	FG/BU/SG	Slick line
169	CAWC006T	SG	Slick Line	239	FORC-109T	FG/BU/SG	Slick line
170	CAWC021S	FG/BU/SG	Slick Line	240	FORC-111T	FG/BU/SG	Slick line
171	CAWC028T	FG/BU/SG	Slick Line	241	FORC-113T	FG/BU/SG	Slick line
172	CAWC012S	SG	Slick Line	242	ESCB-002L	SG	Slick line
173	CAWC051T	FG/BU/SG	Slick Line	243	ESCB-001S	FG/BU/SG	Slick line
174	CAWC012L	SG	Slick Line	244	ESCB-004S	SG	Slick line
175	CAWC013L	SG	Slick Line	245	ESCB-006	C/O log	Electric line
176	CAWC018T CAWC029T	FG/BU/SG	Slick Line	246	FORC-126S	FG/BU/SG	Slick line
177 178	CAWC0291 CAWC040L	FG/BU/SG SG	Slick Line Slick Line	247	FORC-023L FORC-005S	SG SG	Slick line Slick line
179	CAWC040L CAWC039L	SG	Slick Line	249	FORC-152T	FG/BU/SG	Slick line
180	CAWC021L	FG/BU/SG	Slick Line	250		FG/BU/SG	Slick line
181	CAWC042T	FG/BU/SG	Slick Line	251	FORC-075T	SG	Slick line
182	CAWC035S	SG	Slick Line	252	FORC-084L	SG	Slick line
183	CAWC001L	SG	Slick Line	253	FORC-046	C/O log	Electric line
184	CAWC033L	SG	Slick Line	254	FORC-030L	FG/BU/SG	Slick line
185	CAWC048T	SG	Slick Line	255	FORC-136T	FG/BU/SG	Slick line
186	CAWC010L	SG C/O I	Slick Line	256	FORC-032S	SG	Slick line
187	CAWC033	C/O Log	Electric Line	257 258	FORC-103L	SG SG	Slick line
189	CAWC023 CAWC037	C/O Log	Electric Line Electric Line	259	FORC-015S FORC-028S	PVT	Slick line Other
190	CAWC037 CAWC048T	C/O Log	Electric Line	260	FORC-065S	PVT	Other
191	CAWC005S	C/O Log	Electric Line	261	FORC-029S	SG	Slick line
192	CAWC051T	C/O Log	Electric Line	262	FORC-041S	SG	Slick line
193	CAWC004T	C/O Log	Electric Line	263	AFRE-007L	SG	Slick line
194	CAWC047S	C/O Log	Electric Line	264	AFRE-014S	SG	Slick line
195	CAWC023L	C/O Log	Electric Line	265	OTUM-007L	C/O log	Electric line
196	EKUL005L	FG/BU/SG	Slick line	266	OTUM-039	C/O log	Electric line
197	EKUL009T	FG/BU/SG	Slick line	267	BENS-010	C/O log	Electric line
198 199	EKUL015S EKUL026I	FG/BU/SG FG/BU/SG	Slick line	268	JONC-012L JONC-019T	FG/BU/SG FG/BU/SG	Slick line
200	EKUL026L EKUL031S	FG/BU/SG FG/BU/SG	Slick line Slick line	270	JONC-019T JONC-023L	FG/BU/SG	Slick line Slick line
201	EKUL034L	FG/BU/SG	Slick line	271	JONC-046T	FG/BU/SG	Slick line
202	EKUL034S	FG/BU/SG	Slick line	272	AJAT-001L	SG	Slick line
203	EKUL035S	FG/BU/SG	Slick line	273	AKON-001L	SG	Slick line
204	EKUL039L	FG/BU/SG	Slick line	274	KANB-004S	SG	Slick line
205	EKUL239S	FG/BU/SG	Slick line	275	KANB-007L	SG	Slick line
206	KRAK013L	FG/BU/SG	Slick line	276	KANB-003S	SG	Slick line
207	KRAK014L	FG/BU/SG	Slick line	277	KANB-005S	SG	Slick line
208	KRAK011S	SG	Slick line	278	AGBA-0001L	SG	Slick line
209	KRAK013S	FG/BU/SG	Slick line	279	OGBO-001T	SG	Slick line
210	KRAK008L	FG/BU/SG	Slick line	280	OGBO-008T	SG	Slick line

S/N	Well/String	Data Type	Acquisition Method				
281	OTUM-050T	SG	Slick line				
282	OTUM-025L	FG/BU/SG	Slick line				
283	OTUM-021S OTUM-034S	SG SG	Slick line Slick line				
285	OTUM-0343	SG	Slick line				
286	OTUM-049T	SG	Slick line				
287	OTUM-042L	SG	Slick line				
288	ESCB-003T	SG	Slick line				
289	JONC-034S JONC-031L	SG SG	Slick line Slick line				
291	JONC-040L	FG/BU/SG	Slick line				
292	JONC-027L	SG	Slick line				
293	JONC-035L	SG	Slick line				
294 295	OTUM-006L OTUM-057T	SG FG/BU/SG	Slick line Slick line				
296	OTUM-03/1 OTUM-036L	SG	Slick line				
297	OTUM-007L	SG	Slick line				
298	OTUM-043L	FG	Slick line	S/N	Well/String	Data	Acquisition
299	JONC-046T	SG	Slick line	5/14	wen, string	Type	Method
300	JONC-042S JONC-047T	SG PLT	Slick line Electric line				
302	OTUM-030S	FG	Slick line	352	EGWA-033S	SG	Slick line
303	SAGR-003L	SG	Slick line	353	ODID-046S	SG	Slick line
304	OTUM-048T	FG	Slick line	354	FORC-072T	FG/BU/SG	Slick line
305	OTUM-044L	FG/BU/SG	Slick line	355	FORC-028S	SG	Slick line
306	OPUK-013S OPUK-017S	SG SG	Slick line Slick line	356	FORC-026S	SG	Slick line
308	OPUK-0173 OPUK-033S	SG	Slick line	357	FORC-029L	SG	Slick line
309	OPUK-030S	SG	Slick line	358	FORC-046S	SG	Slick line
310	SEIB-002S	SG	Slick line	359		SG	Slick line
311	SEIB-003L	SG	Slick line		FORC-140T		
312	SEIB-003 TUNU-002	C/O log	Electric line Electric line	360	AFRE-004S	SG	Slick line
314	AJUJ-001L	SG	Slick line	361	AFRE-014L	SG	Slick line
315	BATA-009T	FG/BU/SG	Slick line	362	FORC-121G	SG	Slick line
316	BATA-006S	FG/BU/SG	Slick line	363	OPUA-003S	SG	Slick line
317	EGWA-014	C/O log	Electric line	364	SAGR-003L	SG	Slick line
318	EGWA-020 ODID-005T	C/O log SG	Electric line Slick line	365	AGBD066S	FG/BU/SG	Slick line
320	ODID-007L	SG	Slick line	366	OBGN054T	SG	Slick line
321	ODID-015L	SG	Slick line	367	IMOR019L	FG/BU/SG	Slick line
322	ODID-019L	SG	Slick line	368	OBGN055L	FG/BU/SG	Slickline
323 324	ODID-024L ODID-030L	SG SG	Slick line Slick line				Slickline
325	OPOM-001	C/O log	Electric line	369	IMOR064S	FG/BU/SG	
326	OPOM-001S	SG	Slick line	370	ADNE004L	FG/BU/SG	Slick line
327	OPUK-018L	SG	Slick line	371	IMOR023L	FG/BU/SG	Slick line
328	OPUK-017L	SG C/O1	Slick line	372	IMOR057L	FG/BU/SG	Slickline
329 330	FORC-058S BATA-012T	C/O log PLT	Slick line Electric line	373	AFIE018T	SG	Slick line
331	EGWA-001S	SG	Slick line	374	AFIE004L	SG	Slick line
332	ODID-032T	SG	Slick line	375	AFIE002L	SG	Slick line
333	ODID-037L	SG	Slick line	376	AFIE038L	FG/BU/SG	Slick line
334	ODID-041L	SG SG	Slick line	377	AFIE012S	FG/BU/SG	Slick line
335	BENS-006S BENS-019L	SG	Slick line Slick line	378	AFIE035S	FG/BU/SG	Slick line
337	BENS-017S	SG	Slick line				
338	BENS-010L	SG	Slick line	379	AFIE037S	FG/BU/SG	Slick line
339	OPNO-003L	SG	Slick line	380	AFIE006L	FG/BU/SG	Slick line
340	TUNU-004L	PLT	Electric line	381	AFIE027L	FG/BU/SG	Slick line
341	TUNU-002L TUNU-004L	SG SG	Slick line Slick line	382	ERMU007S	FG/BU/SG	Slick line
343	TUNU-004L TUNU-013T	SG	Slick line	383	ERMU008S	FG/BU/SG	Slick line
344	TUNU-012S	SG	Slick line	384	ERMU019S	FG/BU/SG	Slick line
345	TUNU-007T	SG	Slick line	385	ERMU010L	FG/BU/SG	Slick line
346	TUNU-006T	SG	Slick line				
347 348	EGWA-009T EGWA-008T	SG SG	Slick line Slick line	386	EVWR011S	FG/BU/SG	Slick line
349	EGWA-0081 EGWA-019L	SG	Slick line	387	EVWR004S	FG/BU/SG	Slick line
350	EGWA-025S	SG	Slick line	388	EVWR008L	FG/BU/SG	Slick line
351	EGWA-029S	SG	Slick line	389	KOKR019S	FG/BU/SG	Slick line