

JOB SUMMARY

FORM 2012 R-1

HALLIBURTON
LOCATION

Farmington

Stage 1
BILLED ON
TICKET NO. **635102**

FIELD		SEC.		TWP.		RNG.		COUNTY		STATE	
Basin Dakota		26		32N		8W		San Juan		NM	
FORMATION NAME		TYPE		FROM		TO		WEIGHT		MAXIMUM PSI ALLOWABLE	
Dakota		gas		8370		8397		10.5		4000	
FORMATION THICKNESS		BPD. WATER		BPD. GAS		MCFD		OPEN HOLE		TOTAL DEPTH	
27'								8428		8428	
INITIAL PROD. OIL		BPD. WATER		BPD. GAS		MCFD		PERFORATIONS		SHOTS/FT.	
								6370		10 holes	
PRESENT PROD. OIL		BPD. WATER		BPD. GAS		MCFD		PERFORATIONS		SHOTS/FT.	
										in zone	
COMPLETION DATE		MUD TYPE		MUD WT.				PERFORATIONS		SHOTS/FT.	
PACKER TYPE		SIT AT									
BOTTOM HOLE TEMP.		PRESSURE									
MISC. DATA											

JOB DATA

CALLED OUT		ON LOCATION		JOB STARTED		JOB COMPLETED	
DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME
9-4-73	1720		2045	9-5-73	1300		1552

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
King		
Sheppard FM	4 HT-400	Farmington
Whiteman, Ass't Supt	1 Blender	
	2 Sand	

DEPARTMENT	DESCRIPTION OF JOB
Cementing	Logel Sand Frac

JOB DONE THIS MORNING ☐ CASING ☒ AND ☐ TRG. ANN. ☐

CONFIRMED REPRESENTATIVE **X**

CEMENT DATA

STAGE	NUMBER OF SACKS	TYPE	API CLASS	BRAND	BUCK SACK (LBS)	ADDITIVES	FIELD CEMENT (GAL)	MIXED LBS./GAL.

SUMMARY

PRESSURE IN PSI	DISPLACEMENT	PRESSURE IN PSI	VOLUMES
3500	6000	780	2000
3925	3100	21,300	6620
3400	2800	29,770	

ORDERED	AVAILABLE	USED	REMARKS
6.5	4	6.5	

FEET	REASON

CUSTOMER

CUSTOMER
Aradex Drilling Company
Job No. 635102
Job Date 9-5-73
Job Type Logel Sand Frac

TICKET NO. 035102

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JOB TYPE Logel Sand Frac

DATE **9-5-73**

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JOB SUMMARY

FORM 2012 R-1

HALLIBURTON LOCATION

Farmington

BILLED ON
TICKET NO.

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635102

CUSTOMER: **Archer Drilling Company** LEASE: **Schultz 94** WELL NO.: **1** JOB TYPE: **Logel 160 Frac** DATE: **9-6-73**

FIELD		SEC.		TWP.		RNG.		COUNTY		STATE	
Basin Dakota		26		32N		8W		San Juan		NM	
FORMATION NAME		Dakota		TYPE		Ses		NEW USED		SIZE	
FORMATION THICKNESS		125		FROM		8219		TO		8344	
INITIAL PROD: OIL		LTD WATER		BPD GAS		MCFD		CASING		11 4 1/2	
PRESENT PROD: OIL		BPD WATER		BPD GAS		MCFD		LINER		(BF)	
COMPLETION DATE		MUD TYPE		MUD WT.		TUBING		OPEN HOLES		8219 8223	
PACKER TYPE		SHEAT		PERFORATION		8229 8238		TOTAL LENGTH		2	
BOTTOM HOLE TEMP.		PRESSURE		PERFORATION		8261 8273		SHOTS/FT.		2	
MISC. DATA		PERFORATION		8314 8322		SHOTS/FT.		PERFORATION		8334 8344	
						SHOTS/FT.					

TOOLS AND ACCESSORIES		
TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD		
PACKER		
OTHER		

MATERIALS			
TREAT. FLUID	DENSITY	LB./GAL. API	
Logel 160			
DISPL. FLUID	DENSITY <td>LB./GAL. API</td> <td></td>	LB./GAL. API	
Water			
PROP. TYPE	SIZE	LB.	
Sand	40-60	40,000	
PROP. TYPE	SIZE	LB.	
ACID TYPE	GAL.		
HCl	500	15	
ACID TYPE	GAL.		
ACID TYPE	GAL.		
SURFACTANT TYPE	GAL.	IN	
NE AGENT TYPE	GAL.	IN	
FLUID LOSS ADD. TYPE	GAL.-LB.	IN	
GELLING AGENT TYPE	GAL.-LB.	IN	
FRIC. RED. AGENT TYPE	GAL.-LB.	IN	
FR-20	25	16,000	
BREAKER TYPE	GAL.-LB.	IN	
CBM	3	23,000	
BLOCKING AGENT TYPE	GAL.-LB.		
PERFPAC BALLS TYPE	QTY.		
OTHER			
OTHER			

JOB DATA	
CALLER OUT	ON LOCATION
DATE	DATE
TIME	TIME
DATE	DATE
TIME	TIME

PERSONNEL AND SERVICE UNITS		
NAME	UNIT NO. & TYPE	LOCATION
King		
Sheppard PK	4 RT-400	Farmington
Whiteman, Ass't Supt	1 Blender	
	34 Sand	
	1 Acid	

DEPARTMENT	
Cementing	
DESCRIPTION OF JOB	
Logel Sand Frac 160	
JOB DONE BY	
CASING	☒
ANNULUS	☐
THG./ANN.	☐
CUSTOMER REPRESENTATIVE	X
HALLIBURTON OPERATOR	King
COPIES REQUESTED	

CEMENT DATA							
STAGE	NUMBER OF SACKS	TYPE	API CLAYS	BRAND	BULK PACKED	ADDITIVE	MIXED LBS./GAL.

PRESSURE IN PSI				SUMMARY		VOLUMES	
CIRCUITING	2150	MAXIMUM	3900	PRE-FLUSH	150	TREATMENT	23,000
BREAKDOWN	3300	HYDRAULIC HORSEPOWER	2550	CEMENT SLURRY	28,750	TOTAL VOLUME	28,750
AVERAGE	2750	IS-MIN.	2300				
SHUT-IN PRESSURE							
ORD. RATE	AVAILABLE	USED	2940				
TREATING	12	OVERALL	32				
CEMENT LEFT IN PIPE							
REMARKS							

CUSTOMER

FORM 2013

CUSTOMER

Arapahoe Drilling Company

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JOB TYPE

Logel 160

DATE **9-6-73**

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