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LOCATION Starting

FOREMAN Randy Newton

DATE 7-31-12	WELL NAME Haley Smith 12-19	SECTION 19	TWP 11N	RGE 53W	COUNTY LOGAN	FORMATION
CHANGE TO Excell		OWNER Single Tree				
MAILING ADDRESS		OPERATOR				
CITY		CONTRACTOR Excell #13				
STATE ZIP CODE		DISTANCE TO LOCATION 90				
TIME ARRIVED ON LOCATION 7:45 AM.		TIME LEFT LOCATION 10:15 AM.				

WELL DATA				PRESSURE LIMITATIONS	
HOLE SIZE 11"	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH 793'	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 5/8"	TUBING CONDITION		TUBING		
CASING DEPTH 788'	PLUG 744'	TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 23 LB	PACKER DEPTH		1   SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION			1   PRODUCTION CASING		INITIAL BPM
			1   SOOZE CEMENT		FINAL BPM
PRESSURE SUMMARY			1   ACID BREAKDOWN		MINIMUM BPM
BREAKDOWN or CIRCULATING psi	AVERAGE psi		1   ACID STIMULATION		MAXIMUM BPM
FINAL DISPLACEMENT psi	ISIP psi		1   ACID SPOTTING		AVERAGE BPM
ANNULUS psi	5 MIN SIP psi		1   MISC PUMP		
MAXIMUM psi	15 MIN SIP psi		1   OTHER		
MINIMUM psi					HYD IHP = RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB MIRU 5m Dyemarker, 10 mesh 10 dyed 27 March mfp B3-like  
@ 15.716/gal. water req. 1-4.2 gal/lk. vial w/ 1.07 cu ft/sk mid until dye is seen  
shut down drop plus Displace w/ 47.3 bbl freshwater shut well in ready

25 bbls mix water 250 sks 33% = 82.5 sks

## JOB SUMMARY

DESCRIPTION OF JOB EVENTS	MJRN	Sin	Dye m/c	m7P	V8P	D. Sp/Sec
Tick Jan.	8:45am	8:50	Fed	9:25	9:30	
Shut in	Down					9:32 10 300
9:43 Am	9:45 Am					9:34 20 350
						9:36 30 500
						9:38 40 550
						9:40 47 530

19 bbls cement to pit

24. Excess

476d

[Signature]

AUTHORIZATION TO PROCEED

Pugh

7/31/12

1. AUTHORIZATION TO PROCEED

**TITLE**

DATE \_\_\_\_\_

Customers hereby acknowledges and specifically agrees to the terms and conditions on this work order, including, without limitation, the provisions on the reverse side hereof which include the release and indemnity