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LOCATION 44-413

FOREMAN Art Heinhoff  
Pablo mario

TREATMENT REPORT							
DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION	
11-3-12	Pen-Ho- state G-21-69 H-1	16	11N	65W	wild		
CHANGE TO			OWNER				
MAILING ADDRESS			OPERATOR				
CITY			CONTRACTOR				
STATE ZIP CODE			DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION			TIME LEFT LOCATION				

WELL DATA				PRESSURE LIMITATIONS	
HOLE SIZE 13 3/4	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH 662	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 610	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 9 7/8	TUBING CONDITION		TUBING		
CASING DEPTH 652		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 3616	PACKER DEPTH		1 - SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION good			1 - PRODUCTION CASING		INITIAL BPM
			1 - SQUEEZE CEMENT		FINAL BPM
			1 - ACID BREAKDOWN		MINIMUM BPM
			1 - ACID STIMULATION		MAXIMUM BPM
			1 - ACID SPOTTING		AVERAGE BPM
			1 - MISC PUMP		
			1 - OTHER		HYD HPB = RATE X PRESSURE X 40.8

  

PRESSURE SUMMARY			
BREAKDOWN or CIRCULATING	PSI	AVERAGE	PSI
FINAL DISPLACEMENT	PSI	15IP	PSI
ANNULUS	PSI	5 MIN SIP	PSI
MAXIMUM	PSI	15 MIN SIP	PSI
MINIMUM	PSI		

INSTRUCTIONS PRIOR TO JOB: Rig up, Soft grouting, Psitox, Po-cumen, Cic. 50.545 H2O 2nd 100/Pyr, mix; Pump 358 sts cement at 30% Excess at 1.27 yield at 15.2 lbs cement till stopped by cement, Release Plug Disp 47.1 BBIs H2O, Pump Plug At 150 Psi, out 6 ft Psi, wait 5 min Release Psi, wash up Rig down - H2O test OK

Arrived w/ 6000 lbs around 4pm 1st Nov 27

DESCRIPTION OF JOB EVENTS	DATE	TIME	LOCATION	PERFORMER	REMARKS
Site, meeting S, SO, and	06/12/97	10:00	06/12/97	10:00	

Drop Plate 6: 42 um Displace 6: 42 um

10. BB15 12 6 BB18/m 6:45am 340psi

20 BB/s  $\Delta$  6 BB/s/m 6.46 g/m 4/4 cps

30 BBls At 6 BBls/m 6'47gm Soc 31

40 7313 Ar 3,5334m 6!499m 57091

47.1 BBLs 1/ 10 BBL/m 6.52 g/m 2803.

Bump Plus 6'52mm Skopse

used 30% excess

used 358 lbs cement

80.9 BIBS story

Uftuf 7428161 cement 2,54 3,95 4,16 4,21 4,25

Bols Rev 17

*Tom Fairbank*  
AUTHORIZATION TO PROCEED

WSS

11/5/15

Customer 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.