

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10365
LOCATION WCR 57+78
FOREMAN CALVIN REIMERS

TREATMENT REPORT

DATE 9-10-11	WELL NAME Letterly USX AB 23-G8HN	SECTION 23	TWP 7N	RGE 64W	COUNTY Weld	FORMATION
CHARGE TO Noble			OWNER			
MAILING ADDRESS			OPERATOR Noble			
CITY			CONTRACTOR H&P Rig 315			
STATE ZIP CODE			DISTANCE TO LOCATION			
TIME ARRIVED ON LOCATION 6:10 pm			TIME LEFT LOCATION 1:30 am			
WELL DATA						
HOLE SIZE 13 3/4	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED	
TOTAL DEPTH 864	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG			
PBTD 817.45	TUBING WEIGHT	OPEN HOLE	STRING			
CASING SIZE 9 5/8	TUBING CONDITION		TUBING			
CASING DEPTH 860.55		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE	
CASING WEIGHT 36 lb.	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM	
CASING CONDITION Good			<input type="checkbox"/> PRODUCTION CASING		INITIAL BPM	
			<input type="checkbox"/> SQUEEZE CEMENT		FINAL BPM	
			<input type="checkbox"/> ACID BREAKDOWN		MINIMUM BPM	
			<input type="checkbox"/> ACID STIMULATION		MAXIMUM BPM	
			<input type="checkbox"/> ACID SPOTTING		AVERAGE BPM	
			<input type="checkbox"/> MISC PUMP			
			<input type="checkbox"/> OTHER		HYD HHP = RATE X PRESSURE X 40.8	
PRESSURE SUMMARY						
BREAKDOWN or CIRCULATING psi	AVERAGE psi					
FINAL DISPLACEMENT psi	ISIP psi					
ANNULUS psi	5 MIN SIP psi					
MAXIMUM psi	15 MIN SIP psi					
MINIMUM psi						

INSTRUCTIONS PRIOR TO JOB **Rig up, Safety meeting, Per Company Man, Mud Flush 75 lbs. SAPP in 1 1/2 10 bbls H₂O, 1/2 gal Soap, Dye 16 in 2 1/2 10 bbls H₂O, 40 bbls H₂O with KCL, Mix + pump tell Dye is seen Then Mix 10 bbls Slurry + Tub, Don't go over 30% Excess without Talking to Company Man, Drop plug, Displace 63.1 bbls H₂O, Bump plug at 500 Psi over Lift Psi, Wait 5 min then bleed off Psi, Washup, Rig down, H₂O tested good, We have 700 sks, 32 oz Dye, 15 qts KCL, 75 lbs Sapp, 3 gals Soap, Rig to Resparkate Pipe during Job**

JOB SUMMARY

DESCRIPTION OF JOB EVENTS **Safety meeting 9:31 am, Mud Flush 11:28 am, Cement 11:58 am to 12:07 am**

Drop Plug 12:12 am, Displace 12:13 am Chain down Head at 32566 Displace 10 bbls 300 Psi 12:16 am 7.0 bbls/m USED 30% Excess = 478 SKS, 108.11 bbls 20 bbls 390 Psi 12:17 am 7.0 bbls/m Avg Cement 3.48 bbls/m 30 bbls 420 Psi 12:19 am 7.0 bbls/m Avg Displace 6.0 bbls/m 10 bbls 520 Psi 12:25 am 7.0 bbls/m Avg Cement 300 Psi 50 bbls 590 Psi 12:29 am 7.0 bbls/m Avg Displace 500 Psi 50 bbls 500 Psi 12:31 am 4.5 bbls/m 10 bbls 380 Psi 12:34 am 1.0 bbls/m Bump Plug 900 Psi at 12:34 am Float Collar Held Left with 222 SKS, 16 oz Dye 2 1/2 Gals Soap, 11 qts KCL 17 bbls Slurry to The Pit

E. and B. and

AUTHORIZATION TO PROCEED

TITLE

9-10-11

DATE