

HALLIBURTON SERVICES

ACQUIRE Version 1.43

CUSTOMER AND JOB INFORMATION

Customer	ELK EXPLORATION, INC	Date	11-Sep-1992
Contractor	NONE	County	WELD
Lease	HSR BARR	Town	3N
Location	PLATTEVILLE, CO.	Section	16
Formation	NIOBRARA	Range	67W
Job Type	PUR-GEL III 1350 HT	Permit No	001200100280
Country	U.S.A.	Well No	1-16
State	COLORADO	Field Name	WATTENBURG

Customer Representative JOHN LOWRY

Halliburton Operator LARRY CORDRY

Ticket No. 241537

TREATMENT MATERIALS**WELL CONFIGURATION INFORMATION**

Treatment Fluid	PUR-GEL III	Density	8.30 lb/gal
Displace. Fluid	CLAY FIX II	Density	8.30 lb/gal
Proppant Type	BULK SAND	Size 20/40	190600.0 lb
Surfactant Type	SSO-21	59.0 gal	@ 1.00 gal/Mgal
Stabilizer	GEL-STA	300.0 lb	@ 10.00 lb/Mgal
Gelling Agent	LGC VI	533.0 gal	@ 8.75 gal/Mgal
Breaker Type	FDPF-476	15.0 lb	@ 1.00 lb/Mgal
Clay Control	CLAYFIX II	128.0 lb	@ 2.00 lb/Mgal
Buffer Type	BA-2	150.0 lb	@ 2.00 lb/Mgal
Buffer Type	BA-20	27.0 gal	@ 0.50 gal/Mgal
Bacteriacide	BE-5	24.0 gal	@ 0.30 gal/Mgal
Crosslinker	FDPF-473	53.0 gal	@ 0.90 gal/Mgal
Perfpac Balls	25 Qty.	0.875 Size	1.30 S.G.

Packer Type	Depth	0 ft
Bottom Hole Temp.	230.0	Deg F

PIPE CONFIGURATION

Wellbore	Measured	Casing	Casing	Tubing	Tubing	
Segment	Depth	TVD	ID	OD	ID	OD
Number	(ft)	(ft)	(inch)	(inch)	(inch)	(inch)
1	6685	6685	4.000	4.500	1.995	2.375
2	6944	6944	4.000	4.500	0.000	0.000

ACID TREATMENT DATA

Acid Type	HCL	1250.0 gal	@ 7.5 %
Surfactant Type	SSO-21	1.0 gal	@ 1.00 gal/Mgal
Corrosion Inh.	HAI-85M	5.0 gal	@ 5.00 gal/Mgal
Iron Control	FERCHEK A	10.0 lb	@ 10.00 lb/Mgal

PERFORATIONS

Perforation	Top	Bottom	Shots per
Interval	(ft)	(ft)	(ft)
1	6739	6944	2

REMARKS ABOUT JOB

THANKS JOHN !!!!!

NOTICE: THIS REPORT IS BASED ON SOUND ENGINEERING PRACTICES, BUT BECAUSE OF VARIABLE WELL CONDITIONS AND OTHER INFORMATION WHICH MUST BE RELIED UPON, HALLIBURTON MAKES NO WARRANTY, EXPRESSED OR IMPLIED, AS TO THE ACCURACY OF THE DATA OR OF ANY CALCULATIONS OR OPINIONS EXPRESSED HEREIN. YOU AGREE THAT HALLIBURTON SHALL NOT BE LIABLE FOR ANY LOSS OR DAMAGE, WHETHER DUE TO NEGLIGENCE OR OTHERWISE ARISING OUT OF OR IN CONNECTION WITH SUCH DATA, CALCULATIONS OR OPINIONS.