TREATMENT REPORT

Date July 26. 1999 | District Brighton | F.Receipt 225113632 | Operator H S Resources, Inc.
Lease HSR-O'Neil | Well No. 16-29 | Field Wattenberg | Location S29-T5N-R66W
County Weld | State Colorado | Stage No. 1 | Treatment Target(s) This zone

WELL DATA

Well Type: ☐ New Well ☒ Old Well Well Class: ☐ Oil ☒ Gas ☐ Disposal ☐ Injection ☐ Misc.
Prev. Treatment Fracture | Prev. Production Gas | Well Dep.TD/PB 7445 ft | Formation Codell Refrac
Perf.: Size 0.380 in | Total No. 60 | Interval 7294-7304(ft)

String/TypePacker/OpenHole Description	Size (in)	Weight (lbm/ft)	Set at (ft)	From (ft)	To (ft)	Length (ft)	Capacity (bbls/ft)	Total Capacity (bbls)
CSG	4.500	11.60			7445		0.0155	113

TREATMENT DATA

Treating via: ☐ Tubing ☒ Casing ☐ Annulus ☐ Tubing & Annulus Fluid to load 87
Pad Used: ☒ Yes ☐ No Pad Type Vistar 20 LHT Pad Volume 862 bbls Ball Sealers: in stages of
Treating Fluid Type: ☐ Foam ☒ Water ☐ Acid ☐ Oil ☐ Other Volume 2116 bbls Base Fluid Type: Fresh Water Volume 3090 bbls
Foam Type: ☐ Mitchell Surface ☐ Mitchell Downhole ☐ Slurry Surface ☐ Slurry Downhole Foam Quality Hole Loaded with KCl Water

Proppant Type	Size	Quantity	(lbs)	Proppant Type	Size	Quantity	(lbs)	Proppant Type	Size	Quantity	(lbs)
Sand White	100	6120		Sand White	20/40	261040					

TOTAL LIQUID/GAS PUMPED

Pad Volume: 862 bbls Treating Fluid Volume: 2116 bbls Flush Volume: 112 bbls
Over Flush Volume: Fluid to Recover: 3090 bbls Total CO2: Total N2:
Pumps Used(Type/Number): 2 BL 1250's, 1 TM 1300
Auxiliary Material: VSP-1,XLW-14,BF-9L,FloBack 20,NE-940,GBW-23L,Claytreat 3C,GS-1A,Ultra Perm CRB,GBW-5
Procedure Summary: Pump Diagnostic, ISDP, Pump Minifrac, Reverse Step Rate/ISDP, Resume Pad, Pump 1,2.3,&4 ppg Stages, Flush

TREATMENT SUMMARY

Treating Pressure: Min. 2741 psi Max. 4283 psi Ave. 3243 psi Operator's Max. 6000 psi
Injection Rate: Treating Fluid 14.00 bpm Flush 16.50 bpm Average 14.00 bpm Flush Fluid Density 8.34 ppg
ISDP: Pre-Job 1455 psi Post-Job 3658 psi Final Shut in Pressure 3658 psi in 1.0 min
Recommendation ID# 179951076A Job Number 225113632 Customer Representative. Rebecca Gile Service Representative Boyd Heckler
Distribution H S Resources, Inc.

TREATMENT LOG

Time	Treating Pressure		Stage Surface Fluid Pumped			Total Surface Fluid Pumped			Surface Fluid Pumping Rate			Comments
	STP	Annulus	Slurry	CO2	N2	Slurry	CO2	N2	Slurry	CO2	N2	
am/pm	psi	psi	bbls	bbls	scf	bbls	bbls	scf	bpm	bpm	scf/min	
8:08	1650		101						15.00			Start PrePad
8:17	1300					101						Shut Down ISDP 1455
8:30	40		238			101			14.70			Start Pre Pad
8:48	2147					339						Shut Down
8:53	1645		66			339			14.10			Start Pad
8:57	2875		133			405			14.20			Start 1 ppg 100 Mesh
9:07	2980		330			538			14.20			Start Spacer
9:31	3250		246			868			14.20			Start 1 ppg 20/40
9:48	3180		383			1114			14.00			Start 2 ppg 20/40
10:16	3145		1059			1497			14.00			Start 3 ppg 20/40
11:33	3545		711			2556			14.00			Start 4 ppg 20/40
12:21	3525		112			3267			16.60			Start Flush
12:28	3824					3379						Shut Down