

BISON OIL WELL CEMENTING, INC.

1547 Gaylord Street
Denver, Colorado 80206
Phone: 303-296-3010
Fax: 303-298-8143
E-mail: bisonoil1@qwestoffice.net



INVOICE #
LOCATION
FOREMAN

11770
27/4A
Jon

TREATMENT REPORT - Surface CS9

DATE 4/12/13	WELL NAME SG Haystack 43-13 15456	SECTION 13	TWP 1S	RGE 45W	COUNTY Yuma
BILL TO Excell		CONSULTANT Mark			
OWNER		RIG NAME & NUMBER Excell Rig 2			
MAILING ADDRESS		DISTANCE TO LOCATION 60 mi		UNITS ON LOCATION 310/4023	
CITY		TIME REQUESTED 3:00		TIME ARRIVED ON LOCATION 2:40	
STATE, ZIP		TIME LEFT LOCATION			

WELL DATA			Cement Makeup			
HOLE SIZE 9 3/4	TUBING SIZE	PERFORATIONS	Cement Blend 50/50 per 2% cct, 14/sk col/bsk	lbs	Yield	Water Requirements
TOTAL DEPTH 475	TUBING DEPTH	SHOTS/FT	Cement - Specs 15.2	1.07	4.2	
CASING SIZE 7	TUBING WEIGHT	OPEN HOLE	Annulus Factor .2646	Capacity Factor .0415		
CASING DEPTH 469	TUBING CONDITION	TREATMENT VIA	TYPE OF TREATMENT <input checked="" type="checkbox"/> Surface Pipe <input type="checkbox"/> Production <input type="checkbox"/> Squeeze <input type="checkbox"/> MISC Pump <input type="checkbox"/> P&A			
CASING WEIGHT 17	PACKER DEPTH		HYD. HHP = RATE X PRESSURE / 40.8 % Excess 80% BBL to Pit 10			
CASING CONDITION good						
Max Rate 5 bbl/min						
Max Pressure 2000						

DESCRIPTION OF JOB EVENTS

5 bbls fresh MHP 209 sts @ 15.2 lb, 21 bbl mix MHP
Drop plug displ 17.5

Mark

Puck

4/12/13

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11770
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 [Signature]

Treatment Report Page 2

DESCRIPTION OF JOB EVENTS

	Safety Meeting	Displace 1			Displace 2			Displace 3			Displace 4			Displace 5		
		BBS	Time	PSI	BBS	Time	PSI	BBS	Time	PSI	BBS	Time	PSI	BBS	Time	PSI
	3:30	0	4:06	140	0			0			0			0		
MIRU	3:00	10	4:11	140	10			10			10			10		
CIRCULATE	3:45	20			20			20			20			20		
Drop Plug		30			30			30			30			30		
4:04		40			40			40			40			40		
		50			50			50			50			50		
M & P		60			60			60			60			60		
Time	Sacks	70			70			70			70			70		
3:47-4:01	209	80			80			80			80			80		
		90			90			90			90			90		
		100			100			100			100			100		
		110			110			110			110			110		
		120			120			120			120			120		
		130			130			130			130			130		
		140			140			140			140			140		
		150			150			150			150			150		

Notes:

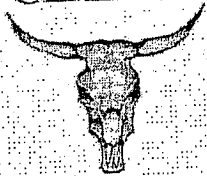
X. [Signature]
 Work Performed

X. [Signature]
 Title

X 4/12/13
 Date

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LOCATION
FOREMAN

11764
Cr 26, AA
Brad Vosinski

TREATMENT REPORT

Prod CS9

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY
April 13 2013	567 Hagerman 43-13-15-45W	13	15	45W	Yuma
BILL TO					
OWNER	RIG NAME & NUMBER				
Excels	Excels Rig 2				
MAILING ADDRESS	DISTANCE TO LOCATION		UNITS ON LOCATION		
	30 miles		4023-3101, 2010		
CITY	TIME REQUESTED		TIME ARRIVED ON LOCATION		
	12:00 am		9:00 pm		
STATE, ZIP	TIME LEFT LOCATION				

WELL DATA

HOLE SIZE TUBING SIZE PERFORATIONS

6 1/4

TOTAL DEPTH TUBING DEPTH SHOTS/FT

2517 2490 2517

CASING SIZE TUBING WEIGHT OPEN HOLE

4 1/2

CASING DEPTH TUBING CONDITION TREATMENT VIA

2447 Set 2490

CASING WEIGHT PACKER DEPTH

10.5

CASING CONDITION

Good

Max Rate

5 BBL/min

Max Pressure

2000

Cement Makeup

Cement Blend

Cement Specs

1-Gel-12 50/50 12% PCA 14 cells/fake
Bg-Lite 50/50 12% PCA 14 cells/fake

Yield Water Requirements

2.21/1.33 12.04/6.28

Annulus Factor

1025

Capacity Factor

0.159

TYPE OF TREATMENT

Surface Pipe ☒ Production ☒ Squeeze
MISC Pump ☐ P&A

HYD HHP = RATE X PRESSURE / 40.8

% Excess

BBL to Pit

100
18

DESCRIPTION OF JOB EVENTS

MIRU ~~Back~~ in, safety meeting, Circ 56401, 2916 Mix + pump 411 sks and 16 sks of tail
drop plug, Displace 505 bbls of H₂O, break of G, clean up, Rig down

x *[Signature]*

[Signature]

x April 13 2013

