

1738 Wynkoop St., Ste. 102  
Denver, Colorado 80202  
Phone: 303-296-3010  
Fax: 303-298-8143  
E-mail: [bisonoil1@qwestoffice.net](mailto:bisonoil1@qwestoffice.net)



№ 11191

WELL NO. AND FARM Snowmass 44-32	COUNTY Cheyenne	STATE CO.	DATE 10-21-12
CHARGE TO Peterson Energy	WELL LOCATION SEC. 32	TWP. 12S RANGE 47W	CONTRACTOR Integrity 69
	DELIVERED TO COURTESY/Vad/25	LOCATION 1 Puma	CODE
	SHIPPED VIA 4022 3104	LOCATION 2 Kix Larson	CODE
	TYPE AND PURPOSE OF JOB P&A	LOCATION 3 Kuma	CODE
		WELL TYPE oil	CODE

[illegible]

If this account is not paid within 30 days of Invoice date a FINANCE CHARGE will be made. Computed at a single monthly rate of 1 1/2% which is equal to an ANNUAL PERCENTAGE RATE OF 18%.

## TAX REFERENCES

Thank You!

SUB TOTAL

TAX

TOTAL

**SUBJECT TO CORRECTION**

"TAXES WILL BE ADDED AT CORPORATE OFFICE"

*Mark L. Smith*  
Customer or His Agent

Bison Oil Well Cementing, Inc. Representative

Customers 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.



# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 11191  
LOCATION Kit Carson  
FOREMAN Randy Newton

## TREATMENT REPORT

DATE <b>10-21-12</b>	WELL NAME <b>Snowmass 44-32</b>	SECTION <b>32</b>	TWP <b>12S</b>	RGE <b>47W</b>	COUNTY <b>Cherokee</b>	FORMATION
CHARGE TO <b>Peterson Energy</b>		OWNER <b>Vecta Oil &amp; Gas</b>				
MAILING ADDRESS		OPERATOR				
CITY		CONTRACTOR <b>Integrity 69</b>				
STATE ZIP CODE		DISTANCE TO LOCATION <b>130mi</b>				
TIME ARRIVED ON LOCATION <b>11:00 AM</b>		TIME LEFT LOCATION <b>7:00 PM</b>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <b>7 7/8"</b>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <b>8 5/8"</b>	TUBING CONDITION		TUBING		
CASING DEPTH <b>434'</b>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <b>24#</b>	PACKER DEPTH		[ ] SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION			[ ] PRODUCTION CASING		INITIAL BPM
			[ ] SQUEEZE CEMENT		FINAL BPM
			[ ] ACID BREAKDOWN		MINIMUM BPM
			[ ] ACID STIMULATION		MAXIMUM BPM
			[ ] ACID SPOTTING		AVERAGE BPM
			[ ] MISC PUMP		
			[ ] OTHER <b>PEA</b>		HYD HHP = RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB **MIRU** Circ mwp 40SK at 50/50 PPS 3 1/2 CCA @ 15.2 15/5 gal  
Yield of 1.07 gal/sk 4.2 gal/sk water req. 4 BBLs mix water Displace 60 BBLs of  
Drilling fluid clean up, 2nd plug @ 2700' w/ 40SKs cement 4 BBLs mix water Displace  
w/ 35 BBLs H<sub>2</sub>O 3rd plug @ 2000' w/ 40SKs cement 4 BBLs mix water 26 BBLs water  
Displace 4th plug @ 480' w/ 50SKs cement 5 BBLs mix water Displace 60 BBLs water  
5th plug @ surface w/ 15.5 SKs cement 1.5 BBL mix 1 Displace then mouse hole Rat hole

JOB SUMMARY									
DESCRIPTION OF JOB EVENTS									
1st plug	Circ	mwp	2nd plug	mwp	3rd plug	4th plug	5th	40 SKS @ 5000'	
12:30	12:32		2:30 PM	2:32	Circ	mwp	Circ	mwp	40 SKS @ 2700'
					3:20	3:28	4:40	4:45	40 SKS @ 2000'
							6:10	6:15	50 SKS @ 480'
12:35	290		2:35		Displace	Displace	6:18	100	15 SKS @ Surf
12:38	10	290	2:39	10	200	3:33	4:49		5 SKS RH
12:42	20	290	2:42	20	220	3:35	10	150	5 SKS MH
12:46	30	310	2:45	30	230	3:38	20	150	
12:50	40	310	2:47	35	300	3:41	26	180	
12:54	50	310							
12:58	60	300							
1:01	46	300							

40 SKS @ 5000'  
40 SKS @ 2700'  
40 SKS @ 2000'  
50 SKS @ 480'  
15 SKS @ Surf  
5 SKS RH  
5 SKS MH  
**195 SKS total**

*Wade L...*  
AUTHORIZATION TO PROCEED  
TITLE  
DATE **10-21-12**

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Yield 1.07  
1.07 Ft<sup>3</sup>/sk = 3.16 Ft/sk  
.3382 Ft<sup>3</sup>/Ft

1) 4875-5000  
2) 2575-2700  
3) 1875-2000

4) 320-480  
5) 0-50