Andrews, David

From: Andrews, David
Sent: Thursday, December 30, 2010 2:21 PM
To: 'Dennis Romero'
Cc: David Harris; Shaun Gordy; ernestcasaus@gmail.com
Subject: RE: Squeeze Plans on Volk 12-89-21 #1 Well API No: 05-051-06098-00

Follow Up Flag: Follow up
Flag Status: Flagged

Dennis,

Thanks for the additional information. Consider this email your approval to proceed with the work proposed in your original email below. Run a new CBL to document remedial cement coverage for the bradenhead squeeze. Submit both CBL's with your forthcoming Form 5 (Drilling Completion Report) for this well.

According to COGCC's records, the API Number shown in the subject line of the emails shown below, your daily reports, and the 12/21/2010 CBL is incorrect. The correct API Number, which is shown on your wellbore diagram, is **05-051-06098**. I corrected the API Number in the subject line of this email.

Thanks,

David D. Andrews, P.E., P.G.
Engineering Supervisor - Western Colorado

State of Colorado
Oil and Gas Conservation Commission
707 Wapiti Court, Suite 204
Rifle, Colorado 81650
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CC: COGCC Well File, API No. 051-06098

From: Dennis Romero [mailto:dromero@sginterests.com]
Sent: Thursday, December 30, 2010 2:03 PM
To: Andrews, David
Cc: David Harris; Shaun Gordy; ernestcasaus@gmail.com
Subject: RE: Squeeze Plans on Volk 12-89-21 #1 Well API No: 05-051-~~06094~~06098-00 D.A.

David:

The answers to your questions are in bold font below. I have attached the CBL along with the daily drilling reports for the cement job. Please let me know if you need additional information.

Sincerely,
Dennis Romero

First Stage

- Sacks **153.5**
- Slurry Weight **12.5 ppg**

- Yield **2.18 cuft/sk**
- Was there a lead and tail? If so, provide the cement information requested above for both. **No Just Tail**
- Lift (flowing casing) pressure and rate prior to bumping the plug **Bumped Plug w / 1,012 psi (30 bbls of cement back after opening and circulating through DV tool) full returns**
- Did the plug bump/floats hold? **Yes & Yes**

Second Stage

- Were there any apparent problems opening the DV tool? **No**
- Sacks **404 sks**
- Slurry Weight **12.5 PPG**
- Yield **2.18 CUFT/SK**
- Was there a lead and tail? If so, provide the cement information requested above for both. **No Just Tail**
- Lift (flowing casing) pressure and rate at the end of this stage **Bumped Plug w/1,200 psi Had 52 bbls cement returns to surface w/ full returns throughout job**
- Was the cement overdisplaced? **No**
- Was cement observed in the returns at surface? **Yes**
- If so, did it fall? **No hole stayed full**
- Was a top-out performed? If so, provide the sacks, slurry weight, and yield for the top out(s). **No top out done**

Did SG Interests run a CBL on the 5-1/2" casing, as required by Rule 317.o.? If so, then attach a pdf copy of the log with your reply. **Yes See attached CBL**

I will not approve a bradenhead squeeze until I evaluate the information requested above.

Thanks,

David D. Andrews, P.E., P.G.
Engineering Supervisor - Western Colorado

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From: Dennis Romero [mailto:dromero@sginterests.com]
Sent: Thursday, December 30, 2010 12:44 PM
To: Andrews, David
Cc: David Harris; Shaun Gordy; ernestcasaus@gmail.com; D McCallum
Subject: FW: Squeeze Plans on Volk 12-89-21 #1 Well API No: 05-051-~~06094~~ 06098-00

David:

D.A.

A recent initial completion on the subject well was suspended when the DV tool at 2,677' failed to hold a 4,000 psi test after drill out. The DV tool leak was retested and leaked off at 1,750 psi at ¼ BPM injection rate. It is now proposed to

equalize a balanced plug (+/-200') across the DV tool and perform a Braden Head squeeze to attempt to seal the leak. The cement will be drilled out and the DV tool will be retested to 2,000 psi. The well will be completed and fracture stimulated through a 3-1/2" rental Frac string with a packer set below the DV tool. I have attached the Well Bore Diagram and the daily completion reports for the subject well. Please let me know if you need additional information.

Thanks

Dennis Romero
Consultant Drilling Engineer
SG Interests / Gordy Oil Co
713-333-6545 (Office Direct Line)
713-301-3011 (Cell)
281-491-8582 (Home)
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DAILY COMPLETION REPORT

OPERATOR:	SG Interests
LEASE & WELL #:	VOLK 12-89-21 #1
API NO:	05-051-~~05094~~-00 06098
SUPERVISOR:	TREY DREWETT
REPORT #:	4 COMP DAYS 4
RIG NO:	Messa 202
AART:	

DA

DATE:	12/23/10
DEPTH:	3,330' / PBTD 3,246'
FOOTAGE:	0
DRLG HRS:	0
Ft/Hr:	0.00
KB (ft):	22' / 7' WO RIG

DESCRIPTION OF DAILY ACTIVITY

From	TO	Hrs	
6:30	7:00	0.5	RIG SERVICE
7:00	8:00	1.0	M/U 5 1/2" 17# HALIBURTON PACKER & STRAP IN HOLE. TEST CSG @ 1290' TO 4000 PSI. TEST GOOD.
8:00	9:00	1.0	TIH TO 2655'(22' ABOVE DV TOOL) & TEST TO 4000 PSI. TEST GOOD. GIH TO 2701' (24' BELOW DV TOOL) & ATT TO TEST CSG.
			PUMPING INTO WELL 1/4 BBL/MIN @ 1750 PSI. (DV TOOL LEAKING)
9:00	10:00	1.0	POOH W/ HALIBURTON TEST PACKER.
10:00	14:00	4.0	TIH W/ COLLARS & TUBING & L/D SAME
14:00	15:00	1.0	NIPPLE DOWN BOPS & NIPPLE UP TOP WELL FLANGE ON FRAC VALVE. SECURE WELL.
15:00	17:00	2.0	R/D MESA RIG 202.
Total Hrs:		10.5	

DRILLING MUD PROPERTIES @ SUCTION PIT

DEPTH	Weight	CAKE	VIS	PV	YP	GELS	PH	WL	SOLIDS
0	0	0	0	0	0	0	0	0	0

MISCELLANEOUS DRILLING INFORMATION

FLARE HT MIN / MAX	ROT WT	SO WT	PU WT	HRS ROT	CUM	HRS SLIDING	CUM
	0	0	0	0			

BIT DATA

BIT #	RUN#	MAKE	MODEL	IADC	DIAM -	NOZZLES	SN	RPM	GPM
0	0	0	0	0	0	0	0	0	0
DEPTH IN	DEPTH OUT	DISTANCE	HRS	ROP	TORQ	NOZ VEL	BIT HHP	WOB	
0	0	0	0	0				00-Jan	
BIT #	RUN#	MAKE	MODEL	IADC	DIAM	NOZZLES	SN	RPM	GPM
DEPTH IN	DEPTH OUT	DISTANCE	HRS	ROP	TORQ	NOZ VEL	BIT HHP	WOB	

DRILLING PERAMETERS

DEPTH	ROP AV/MAX	WOB AV/MAX	RPM AV/MAX

FLOW	A.V. DP	A.V. DC	PRESS	TORQ
0	0	0	0	0

DULL GRADING

INNER	OUTTER	DULL CHR	LOCATION	
0	0	0	0	
BRG	GAUGE	OTHER	PULL	
	00-Jan		0	

QTY	ITEM	OD/ID	LENGTH	TOTAL LGTH
1	4 3/4" MILL		1.44	1.44
1	BIT SUB	3.5/2	1.35	2.79
1	5 1/2" SCP	3.5/2	3.01	7.24
8	3 1/2 DC	3.5/2	248.56	254.36
1	X-O	3.5/2	1.67	256.03
	WEIGHT	BOUY WT		TOTAL LGTH
	5,500	4,775.00		253.02

DEVIATION SURVEYS

DEPTH			
DEVIATION			

CONTRACTOR	MESA WELL SVC
TOOLPUSHER	

PUMPS

	#1	#2	
STROKE			
LINER			
SPM			
GPM			
PRESS.			
AIR COMP VOL			
AIR PRESS			
SPR #1			
SPR #2			

Mud Motor SN =
Mud Motor Stage=
Mud Motor Lobe =
Mud Motor Drilling Hours =
Mud Motor Circulating Hours =
Drilling Jars Hours = 248.5

WELL COST

	DAILY	CUM
DRLG		$0
EVAL		
COMPL		
TROUBLE		
TOTAL		$0

DAILY DRILLING REPORT

OPERATOR:	SG Interests	DATE:	12/06/10
LEASE & WELL #:	VOLK 12-89-21 #1	DEPTH:	3330' MD /3233' TVD
AFE #:	N/A	FOOTAGE:	
SUPERVISOR:	TREY DREWETT/FLOYD TRUAX	DRLG HRS:	
REPORT #:	25 DRILLING DAYS 15	Ft/Hr:	
AART:	06098	KB (ft):	22
API N0:	05-051-06694-00		

DESCRIPTION OF DAILY ACTIVITY

From	TO	Hrs	
6:00	7:00	1.0	HELD SAFETY MEETING w/ BJ'S & RIG CREWS. R/U BJ CIRCULATING IRON.
7:00	8:30	1.5	BJ SERVICE BRK CIRCULATION,TEST LINES TO 3500psi. PUMP 20bbl's MUD CLEAN 1 @ 8.4ppg , 30bbl's BJ SEAL BOND +10ppb SEAL BOND PLUS
			8.4ppg. CMT w/ 404 sk 25:75 POZ TYPE 111 CMT + 0.04 lb/sk STATIC FREE 0.1 bwoc R-3 + 0.25lb / sk CELLO FLAKE +
			0.1%bwoc CD-32+ 3 lb/sk KOL SEAL + 0.8%bwoc FL- 52 + 2% bwoc A-10 + 2% bwo. DROP PLUG w/ 62 bbl's 9.6ppg MUD
			BUMP PLUG w/ 1200psi @ 08:02 ON THE 11-5-10. HELD PRESSURE 5 min RELEASE PRESSURE FLOAT DID NOT HOLD
			PRESSURE BACK UP ON FLOAT TO 1200 psi HELD 5 min. RELEASE PRESSURE FLOAT HELD. FULL RETURN DURING
			CMT JOB. 52 bbls RETURN TO SURFACE TOTAL OF 134 sks. TIE BJ LINE INTO WELL HEAD VALVE PUMP 50bbl OF
			FRESH WATER THROUGH BOP STACK & FLUSH OUT WING VALVES. RIG DOWN BJ SERVICES CIRCULATING IRON.
8:30	22:00	13.5	N/D FLOW LINE , REMOVE TURNBUCKLES, BOP'S CONTROL LINES, N/D BOP @ A SECTION P/U SAME. SET FMC
			5 1/2" X 11" C21 CSG SLIP, SET BACK DOWN, LATCH ON 5 1/2" CSG. P/U STRING OPEN TESCO CSG SLIPS. SET 85k STRING WT
			DOWN ON SLIPS . P/U BOP STACK MADE ROUGH CUT ON 5 1/2" CSG. N/D HALLIBURTON ROTATING HEAD , WING
			VALVE & 13 5/8" 5k BOP'S & DSA 13 5/8" 5k x 11" 3k
22:00	0:00	2.0	MADE FINAL CUT ON 51/2" 17# N-80 LT&C CSG. INSTALLED TBG SPOOL ADPTR ASSY, A-4 7 1/16" 5k X 2 9/16" 5k
0:00	6:00	6.0	CLEAN OUT MUD TANKS & L/D KELLY.
Total Hrs:		24.0	

DRILLING MUD PROPERTIES @ SUCTION PIT

DEPTH	Weight	CAKE	VIS	PV	YP	GELS	PH	WL	SOLIDS

MISCELLANEOUS DRILLING INFORMATION

FLARE HT MIN / MAX	ROT WT	SO WT	PU WT	HRS ROT	CUM	HRS SLIDING	CUM

BIT DATA

BIT #	RUN#	MAKE	MODEL	IADC	DIAM	NOZZLES	SN	RPM	GPM
DEPTH IN	DEPTH OUT	DISTANCE	HRS	ROP	TORQ	NOZ VEL	BIT HHP	WOB	
								20-25	
BIT #	RUN#	MAKE	MODEL	IADC	DIAM	NOZZLES	SN	RPM	GPM
DEPTH IN	DEPTH OUT	DISTANCE	HRS	ROP	TORQ	NOZ VEL	BIT HHP	WOB	

DRILLING PERAMETERS

DEPTH		ROP AV/MAX	WOB AV/MAX	RPM AV/MAX
FLOW	A.V. DP	A.V. DC	PRESS	TORQ

DULL GRADING

INNER	OUTTER	DULL CHR	LOCATION	
3	3	WT	A	
BRG	GAUGE	OTHER	PULL	
X	I	NO	TD	

QTY	ITEM	ID/OD	LENGTH	TOTAL LGTH

PUMPS

	#1	#2	
STROKE			
LINER			
SPM			
GPM			
PRESS.			
AIR COMP VOL			
AIR PRESS			
SPR #1			
SPR #2			

REV/ GAL -
STAGE =
LOBE =
BEND =
MUD MOTOR HOURS =
DRILLING JAR HRS =

WELL COST

	DAILY	CUM
DRLG		$0
EVAL		
COMPL		

DAILY DRILLING REPORT

OPERATOR:	SG Interests		DATE:	12/05/10
LEASE & WELL #:	VOLK 12-89-21 #1		DEPTH:	3330' MD /3233' TVD
AFE #:	N/A		FOOTAGE:	
SUPERVISOR:	TREY DREWETT/FLOYD TRUAX		DRLG HRS:	
REPORT #:	24	DRILLING DAYS 14	Ft/Hr:	
AART:	CIRCULATING		KB (ft):	22
API NO:	05-051-06094-00			

DA

06098

DESCRIPTION OF DAILY ACTIVITY

From	TO	Hrs	
6:00	16:00	10.0	HELD SAFETY MEETING. M/U 5.5" TOP-CO FLOAT SHOE + 2 JTS 5.5" 17# N-80 LTC + 5.5" TOP-CO FLOAT COLLAR &
			TEST SAME. TEST OK. TIH W/ 90 JTS OF 5.5" 17# N-80 LTC CSG TO BTM W/ NO PROBLEMS. PLACED 5.5"TOP-CO
			DV TOOL @ 2677'. TOTAL JTS RAN=92. DELAYED 1 HR DUE TO TESCO M/U TOP OF DV TOOL W/ NO THREAD LOCK
			THREADS STRIPPED WHEN BACKING OUT TO APPLY SAME. REPLACED DV TOOL & 1 JT OF CSG
16:00	17:00	1.0	R/D TESCO CSG CREW.
17:00	21:00	4.0	CIRC WELL CLEAN FOR CMT JOB.
21:00	23:00	2.0	R/U BJ SERVICES,HELD SAFETY MEETING w/ BJ & RIG CREW. BRK CIRCULATION ,TEST LINES TO 3500psi. PUMP 20bbls OF WATER
			20bbls MUD CLEAN @ 8.4ppg. 30 bbls BJ SEAL BOND+10ppb SEAL BOND @ 8.4ppg. CMT w/ 153.5 sks 25:75 POZ, TYPE 111 CMT
			+0.1% bwoc CD-32 +0.1%bwoc R-3 + 0.04 lbs/sks STATIC FREE + 0.25 lbs/sk CELLFLAKE + 2%bwoc SODIUM METASILICATE + 0.3%
			bwoc BA-59 + 10lb/sk CSE-2 +109% WATER. 59.6 bbl SLURRY,WT 12.5 ppg yld 2.18, M/WATER 11.6g p sk. Displace w/ 75.5bbls
			9.6ppg MUD @ 2.5 bpm. BUMP PLUG @ 23:00 w/ 1012psi ON THE 12-4-10.HELD 5 min BELD OFF .25 bbls back. F.R.DURING CMTJOB
23:00	6:00	7.0	DROP TOPCO DART WAIT 20min. PRESSURE UP TO 600psi SHIFTED DVT OPEN & CIRCULATED 20bbls OF MUD SWITCH TO RIG PUMP
			CIRCULATING @ RATE OF 5 bpm. 30 bbls OF CMT BACK EQUAL TO 77.3 sks.
			NOTE: BOTH DV TOOL COST IS ON FLOAT EQ COST SHEET.
Total Hrs:		24.0	

DRILLING MUD PROPERTIES @ SUCTION PIT

DEPTH	Weight	CAKE	VIS	PV	YP	GELS	PH	WL	SOLIDS
3330	9.6	2	41	10	9	2/18	9	7.2	0.45

MISCELLANEOUS DRILLING INFORMATION

FLARE HT MIN / MAX	ROT WT	SO WT	PU WT	HRS ROT	CUM	HRS SLIDING	CUM

BIT DATA

BIT #	RUN#	MAKE	MODEL	IADC	DIAM	NOZZLES	SN	RPM	GPM
2	1	HUGHES	Q507HX	M323	8.5	7-11'S	7124123	150	523
DEPTH IN	DEPTH OUT	DISTANCE	HRS	ROP	TORQ	NOZ VEL	BIT HHP	WOB	
463	3330	2867	100.5	29	75			20-25	
BIT #	RUN#	MAKE	MODEL	IADC	DIAM	NOZZLES	SN	RPM	GPM
DEPTH IN	DEPTH OUT	DISTANCE	HRS	ROP	TORQ	NOZ VEL	BIT HHP	WOB	

DRILLING PERAMETERS

DEPTH	ROP AV/MAX	WOB AV/MAX	RPM AV/MAX
FLOW	A.V. DP	A.V. DC	PRESS	TORQ

DULL GRADING

INNER	OUTTER	DULL CHR	LOCATION	
3	3	WT	A	
BRG	GAUGE	OTHER	PULL	
X	I	NO	TD	

QTY	ITEM	ID/OD	LENGTH	TOTAL LGTH

PUMPS	#1	#2	
STROKE	10	10	
LINER	6	6	
SPM	75	75.0	
GPM	261.5	262	
PRESS.	875	875	
AIR COMP VOL			
AIR PRESS			
SPR #1	20/ 100	40 /250	
SPR #2	20 /125	40 / 250	

REV/ GAL -
STAGE =
LOBE =
BEND =
MUD MOTOR HOURS =
DRILLING JAR HRS =

WELL COST

	DAILY	CUM
DRLG		$0
EVAL		
COMPL		