

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Jun 19, 2008

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-045-29936
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Vasaly com
8. Well Number 2
9. OGRID Number 14538
10. Pool name or Wildcat Alkali Gulch, Akah, & Ismay

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well ☐ Gas Well ☒ Other	
2. Name of Operator Burlington Resources Oil Gas Company LP	
3. Address of Operator P.O. Box 4289, Farmington, NM 87499-4289	
4. Well Location Unit Letter B : 1200' feet from the North line and 2390' feet from the East line Section 22 Township 30N Range 11W NMPM San Juan County	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6278' GR	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐

OTHER: ☒ Reservoir Stimulation

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Burlington Resources would like to request permission to perform a stimulation job w/acid and Xylene to the above location. Attached is the procedure and schematic.

Spud Date:

Rig Released Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☒ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Jamie Goodwin TITLE Regulatory Technician DATE 1/28/10

Type or print name Jamie Goodwin E-mail address: Jamie.L.Goodwin@conocophillips.com PHONE: 505-326-9784

For State Use Only

Deputy Oil & Gas Inspector,
District #3

APPROVED BY: Ray G. Ratz

TITLE

DATE FEB 23 2010

Conditions of Approval (if any):

B

Notify NMOCD 24 hrs
prior to beginning
operations

RCVD JAN 28 '10

OIL CONS. DIV.

DIST. 3

PC

ConocoPhillips
VASALY COM 2 SWD
Expense - Reservoir Stimulation

Lat 36° 48' 6.408" N

Long 107° 58' 37.2" W

PROCEDURE

1. Hold pre-job safety meeting. Comply with all NMOCD, BLM, and COPC safety and environmental regulations.
2. MIRU SLB pumping equipment. Check casing, tubing, and bradenhead pressures and record them in Wellview.
3. Deliver the following to Location:

1.	2 - 400 bbls Frac Tanks w/PVC caps installed on all valves.
2.	Well head Adapter 4 1/16" 5K to Hammer Union 1502 2".
3.	Scaffold tie to the wellhead

4. NU choke manifold and flowback lines from wellhead to frac Tanks.
5. Start flowing Vasaly to frac tank, Final Volume Aprox 300 bbls (depending of water quality)
6. Bellow are materials required for the proposed acid job.

Stage	Bluff/Entrada
Fluid Type	Slickwater
Acid Volume	131 bbls of 15% HCl
Water Volume	221 bbls
Xylene Volume	15 bbls
Breacker water	29 bbls
200 Biodegradable Ball w ball injector	
Nitrogen	133,000 scf

7. Hold pre job safety meeting with all parties involved. Discuss all phases and hazards of the job and explain that each person on location has the right and obligation to shut down the job if something is not being done safely or they are not sure of the procedure. Fill out and review JSA.

8. Pressure test all surface lines to 5000 psig. During test, make sure all parties are away.
During test, make sure all parties are away from the Red Zone.

Tubing Drift Check

9. Begin treatment as follow:

	STAGE	RATE	FLUID	VOL GAL	N2 Q	RATE LIQ	RATE N2	LIQ VOL	TIME
		bpm		gal	%	bpm	scf/min	gal	min
STAGE I	Fill Casing	3	Produced water	1000	0	3	0	1000	7.9
	Xylene 1	3	Energized Xylene	400	30	2.1	1100	280	3.2
	Foam Xylene	3	Energized Xylene	200	65	1.1	2323	70	1.6
	Xylene 2	3	Energized Xylene	400	30	2.1	1100	280	3.2
	Flush + Soak	5	Foam Produced Water	5000	30	3.5	1834	3500	23.8
STAGE II	Acid 1	7	Energized HCl 15	1400	30	4.9	2567	980	4.8
	Breaker 1	7	Energized Breaker water	900	30	4.9	2567	630	3.1
	Balls 1	7	ClearFRAC XT 10 - J589(7.5), J567(5) with 100 Balls	850	0	7	0	850	2.9
	Acid 2	7	Energized HCl 15	1400	30	4.2	3382	980	4.8
	Foam Slug 1	7	Foamed HCl 15	900	65	2.5	5420	315	3.1
	Acid 3	7	Energized HCl 15	1400	35	4.2	3382	910	4.8
	Breaker 2	7	Energized Breaker water	900	35	4.5	2975	585	3.1
	Balls 2	7	ClearFRAC XT 10 - J589(7.5), J567(5), w 100 Balls	850	0	7	0	850	2.9
	Acid 4	7	Energized HCl 15	1600	35	4.2	3382	1040	5.4
	Foam Slug 2	7	Foamed HCl 15	900	70	2.5	5420	270	3.1
	Acid 5	7	Energized HCl 15	1700	40	4.2	3382	1020	5.8
	FLUSH	7	Foam Produced Water	5124	40	4.2	3382	3074.4	17.4

10. N/D SLB lines and equipment

11. Begin flowing the well back to the frac Tanks. Aprox 360 bbls.

Catch samples in a 5 gallon bucket at an appropriate point on the flow back line to determine a representative sample.

Current Schematic - Revised

ConocoPhillips

Well Name: VASALY COM #2 SWD

API / UWI	Surface Legal Location	Field Name	License No	State/Province	Well Configuration Type	Edit
3004529936	NMPM.022-030N-011W	WILDCAT	#0900	NEW MEXICO		
Ground Elevation (ft)	Original KB/RT Elevation (ft)	KB-Ground Distance (ft)	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)		
5,856 00	5,856 00	0 00	5,856 00	5,856 00		

Well Config - Original Hole, 1/18/2010 7 34 48 AM

ftKB (MD)	ftKB (TVD)	Schematic - Actual	Frm Final
0		Tubing Hanger, 6 270in, 10 50lbs/ft, J-55, 0 ftKB, 6 ftKB	
10		Tubing Pup Joint, 4 1/2in, 10 50lbs/ft, J-55, 6 ftKB, 10 ftKB	
342	342	Tubing, 4 1/2in, 10 50lbs/ft, J-55, 10 ftKB, 7.421 ftKB	
390	390	X-Nipple, 5 3/16in, 10 50lbs/ft, J-55, 7.421 ftKB, 7.423 ftKB	
910	910	EU Adaptor, 5 3/16in, 10 50lbs/ft, J-55, 7.423 ftKB, 7.424 ftKB	
2,001	2,001	Straight Slot Locator, 4 470in, 10 50lbs/ft, J-55, 7.424 ftKB, 7.425 ftKB	
2,418	2,418	MSN Seal Assembly, 3 960in, 10 50lbs/ft, J-55, 7.425 ftKB, 7.434 ftKB	
3,825	3,825	Seal Bore Extension, 5in, 10 50lbs/ft, J-55, 7.434 ftKB, 7.442 ftKB	
4,135	4,135	Cross Over, 5 11/16in, 10 50lbs/ft, J-55, 7.442 ftKB, 7.442 ftKB	
4,726	4,726	Tubing Pup Joint, 3 1/2in, 10 50lbs/ft, J-55, 7.442 ftKB, 7.448 ftKB	
6,463	6,463	Profile Nipple, 3 3/4in, 10 50lbs/ft, J-55, 7.448 ftKB, 7.450 ftKB	
6,507	6,507	Tubing Pup Joint, 3 1/2in, 10 50lbs/ft, J-55, 7.450 ftKB, 7.458 ftKB	
6,527	6,527	Profile Nipple, 3 3/4in, 10 50lbs/ft, J-55, 7.458 ftKB, 7.459 ftKB	
6,628	6,628	W/L Re-Entry Guide, 5in, 10 50lbs/ft, J-55, 7.459 ftKB, 7.460 ftKB	
6,684	6,684	Linear Gel Fracture, 2/5/2007, Fract'd Bluff with 1,551 6 bbls of 30# Linear Gel, Breakdown with 39 6 bbls 2 % KCL Water, Pad consisted of 477 2 bbls 30# Linear Gel, 26,465 lbs 20/40 TLC Sand and 197,082 lbs 16/30 SLC Sand	
6,904	6,904	Linear Gel Fracture, 2/1/2007, Fract'd Entrada with 1,830.1 bbls 30# Linear Gel, Breakdown with 57 8 bbls of 2% KCL Water, Pad consisting of 597 3 bbls of 30# Linear Gel, 30,867 lbs 20/40 TLC Sand and 231,449 lbs 16/30 SLC Sand	
6,992	6,992	PBTD, 7,908, New PBTD Cement Retainer	
7,018	7,018	Acid Fracture, 3/26/2000, Fract'd Akah with 130,000 Scf N2 X-Link Gel Fracture, 3/16/2000, Fract'd Akah Gulch with 43,000 lbs of 20/40 EconoProp and 948 bbls 40# Hybor X-Link gel	
7,150	7,150		
7,423	7,423		
7,425	7,425		
7,434	7,434		
7,442	7,442		
7,448	7,448		
7,454	7,454		
7,459	7,459		
7,520	7,520		
7,650	7,650		
7,868	7,868		
7,913	7,913		
8,950	8,950		
9,200	9,200		
11,473	11,473		
11,800	11,800		
11,844	11,844		
12,090	12,090		
12,136	12,136		
12,500	12,500		
12,685	12,685		
12,990	12,990		
13,037	13,037		
13,083	13,083		
13,092	13,092		
13,285	13,285		