

State of New Mexico
Energy, Minerals and Natural Resources

RECEIVED

JAN 29 2010

HOBBSOCD

CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

WELL API NO.

30 025 39508

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

VB-1488

7. Lease Name or Unit Agreement Name

Bada Bing 23 State

8. Well Number #1H

9. OGRID Number

249099

10. Pool name or Wildcat

Permo Penn

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

Caza Operating, LLC,

3. Address of Operator

200 N. Loraine, Suite 1550, Midland, Texas 79701

4. Well Location

Unit Letter M : 660 ³³⁰ feet from the South line and 660 feet from the West line
 Section 23 Township 10 South Range 33 East NMPM Lea County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

4208 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 ☐
 DOWNHOLE COMMINGLE ☐

OTHER:

☐

SUBSEQUENT REPORT OF:

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

OTHER: Well Stimulation

☒

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.

12/22-23/2009- Superior Frac'd 10 stages down casing through PEAK PERFORMANCE sleeve/packer system. All stages similar total 60,000 gals 15% HCL-NEFE. 1,165,240 lbs 20/40 & 30/50 ottawa sand in 45,370 bbls Slick inhibited fresh water. ISIP 5487 psi.

12/24/09-1/12/10 _ Flowed back 17046 BLW. No Show.

1/13-22/2010 _ Jet pump well. No Show. Chlorides 133,000

Attached is Detailed Frac Schedule

Spud Date:

10/10/2009

Rig Release Date:

1/21/2009.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

TITLE Operations ManagerDATE 12/26/2009Type or print name Richard L. WrightE-mail address: rwright@cazapetro.com PHONE: 432 682 7424

For State Use Only

APPROVED BY:

TITLE

PETROLEUM ENGINEER

DATE

FEB 02 2010

Conditions of Approval (if any):

Stimulation Treatment Report

Customer Name CAZA		Ticket # 55-000332	Ticket Date 12/21/2009-12/23/09	
Lease Bada Bing 23	Well Name State #1H	API #	COUNTY Lea	STATE NM
Superior Rep George Castillo	Customer Rep Ally Bass	Stage # 1		

Time	Pressures (psi)		Rate BPM	Stage BBLs	Total BBLs	Job Description / Remarks
	STP	ANNULUS				
6:30						AOL
6:40						Safety Meeting
7:00						Spot Trucks
7:45						Rig Up
9:15						Rig up Complete
						Waiting on musslewhite
						bad hose on acid tank
11:00	8500					Prime and Test
11:30						Shutdown to fix leaks
11:57	8500					Re-test
12:44						Fixed Acid tanks rolling acid
16:24						Shutdown for day
5:00						12-22-09 AOL
5:45						Prime and Test
6:16						Safety Meeting
7:32	539					Open Wellhead
7:34	7100		4	42	42	breakdown
7:42	7018		10.7	202	244	Acid
7:59	7493		16.5	741	985	Pad
8:17	7384		16		985	.25# slug
8:44	7336		16	248	1,233	.25# 30/50 Ottawa
8:57	7306		25	381	1,614	Sweep
9:12	7551		29.5	433	2,047	.75# 30/50 Ottawa
9:28	7492		29.6	246	2,293	Sweep
9:36	7168		29.7	446	2,739	1# 30/50 Ottawa
9:49	7384		40	265	3,004	Sweep
9:55	7234		42	631	3,635	1.25# 20/40 Ottawa
10:08	6991		51	248	3,883	Sweep
10:13	7288		58	545	4,428	1.5# 20/40 Ottawa
10:23	6573		57	251	4,679	Sweep
10:27	6595		56.5	310	4,989	2# 20/40 Ottawa
10:34	5412		40	335	5,324	Flush/BD
10:47	5576		41			
11:02					5,577	Shutdown to load 2nd 1.75in ball
11:15	5431		30	725	6,049	seat 2nd 1.75in ball
11:39	6129		70	650	6,699	Pad
11:49	6139		71.7	242	6,941	.5# 30/50 ottawa
11:52	6050		71.6	240	7,181	Sweep
11:55	5960		70.5	477	7,658	.75# 30/50 Ottawa
12:02	5712		73.4	252	7,910	Sweep
12:06	5753		70.6	480	8,390	1# 30/50 Ottawa
12:13	5604		71.7	239	8,629	Sweep
12:16	5695		70.2	508	9,137	1.25# 30/50 Ottawa
12:23	5527		71	239	9,376	Sweep
12:26	5663		71	524	9,900	1.5# 20/40 Ottawa

Treating Pressure	
Minimum	
Maximum	7966
Average	5581
Operators	
Max Pressure	

Injection Rates	
Minimum	
Maximum	74
Average	69

Shut In Pressures	
ISDP	5487
5 Min.	
10 Min.	
15 Min.	
Final	



Well Data	
Tubing Type	4.5in 11.6#
Tubing Depth	na
Packer Depth	na
Casing Type	7in 26#
Casing Depth	12705
Formation	Wolfcamp/ABO
Well Type	New

Treatment Fluid and Capacities in BBLs	
Tubing Cap.	74
Casing Cap.	307
Fluid To Load	42
Pad Volume	16056
Treating Fluid	
Flush	3954
Fluid To Recover	45370

Treatment Data	
Fluid Description	Volume Pumped (Gals)
Acid	62,000
15# Linear	64,512
15# XL	391,734
Slickwater	1458030

Treatment Data	
Proppant Description	Volume Pumped (lbs)
30/50 Ottawa	599,500
20/40 Ottawa	565,740

Treatment Data	
Materials	
LSG-1	
XL-10	
Plexicide	
WFR-A	
Super-OW	
OB	



BREAK THROUGH.

Stimulation Treatment Report

Customer Name CAZA		TICKET # 55-000332	TICKET DATE 12/21/2009-12/23/09	
Lease Bada Bing 23	Well Name State #1H	API #	COUNTY Lea	STATE NM
Superior Rep. George Castillo	Customer Rep #	Stage # 1		



Time	Pressures (psi)		Rate BPM	Stage BBLs	Total BBLs	Job Description / Remarks
	STP	ANNULUS				
12:34	5449		70.7	529	10,429	Sweep
12:41	5431		72.4	434	10,863	Flush/BD
12:50	5171		30	251	11,114	Acid
12:59	5614		71	601	11,715	Pad
13:17	5535		69	209	11,924	.5# 30/50 Ottawa
13:20	5462		70	243	12,167	Sweep
13:23	5503		68.4	492	12,659	.75# 30/50 Ottawa
13:30	5370		69	239	12,898	Sweep
13:34	5470		68	497	13,395	1# 30/50 Ottawa
13:41	5353		69	238	13,633	Sweep
13:45	5512		68	530	14,163	1.25# 30/50 Ottawa
13:52	5353		69	258	14,421	Sweep
13:57	5534		67.9	509	14,930	1.5# 20/40 Ottawa
14:04	5290		67	239	15,169	Sweep
14:07	5490		66.3	295	15,464	2# 20/40 Ottawa
14:12	5287		69	420	15,884	Flush/BD
14:21	5143		30	200	16,084	Acid
14:27	5082		30	597	16,681	Pad
14:42	5878		68.6	250	16,931	.5# 30/50 Ottawa
14:46	5788		69.5	338	17,269	Sweep
14:49	5577		69.8	480	17,749	.75# 30/50 Ottawa
14:56	5438		69	290	18,039	Sweep
15:00	5539		68.9	498	18,537	1# 30/50 Ottawa
15:08	5374		68.9	266	18,803	Sweep
15:12	5570		68.9	508	19,311	1.25# 30/50 Ottawa
15:19	5366		67.8	238	19,549	Sweep
15:23	5542		68.1	508	20,057	1.5# 20/40 Ottawa
15:30	5348		68.9	230	20,287	Sweep
15:34	5527		66.9	347	20,634	2# 20/40 Ottawa
15:39	5290		70	420	21,054	Flush
15:48	5142		30	167	21,221	Acid
15:54	5992		70.5	595	21,816	Pad
16:09	5677		68.6	240	22,056	.5# 30/50 Ottawa
16:13	5563		68.7	242	22,298	Sweep
16:16	5603		68	502	22,800	.75# 30/50 Ottawa
16:23	5483		70	238	23,038	Sweep
16:27	5570		67	503	23,541	1# 30/50 Ottawa
16:34	5424		70	247	23,788	Sweep
16:38	5570		67.4	496	24,284	1.25# 30/50 Ottawa
16:45	5383		69	213	24,497	Sweep
16:48	5540		68	515	25,012	1.5# 20/40 Ottawa
16:56	5307		70	215	25,227	Sweep
16:59	5520		67	275	25,502	2# 20/40 Ottawa
17:03	5314		70	468	25,970	Flush/BD
17:14	5166		30	165	26,135	Acid

Well Data

Tubing Type	4.5in 11.6#
Tubing Depth	na
Packer Depth	na
Casing Type	7in 26#
Casing Type	12705
Formation	Wolfcamp/ABO
Well Type	New

Treatment Fluid and Capacities in BBLs

Tubing Cap.	74
Casing Cap.	307
Fluid To Load	42
Pad Volume	16056
Treating Fluid	
Flush	3954
Fluid To Recover	45370

Treatment Data

Fluid Description	Volume Pumped (Gals)
Acid	62000
15# Linear	64512
15# XL	391734
Slickwater	1458030

Treatment Data

Proppant Description	Volume Pumped (lbs)
30/50 Ottawa	599500
20/40 Ottawa	565740

Treatment Data

Materials	
LSG-1	
XL-10	
Plexicide	
WFR-A	
Super-QW	
OB	

Treating Pressure

Minimum	
Maximum	8500
Average	5864
Operators Max Pressure	

Injection Rates

Minimum	
Maximum	73
Average	58

Shut-In Pressures

ISDP	5487
5 Min.	
10 Min.	
15 Min.	
Final	

Stimulation Treatment Report

Customer Name CAZA		TICKET # 55-000332	TICKET DATE 12/21/2009-12/23/09	
Lease Bada Bing 23	Well Name State #1H	API #	COUNTY Lea	STATE NM
Superior Rep George Castillo	Customer Rep #	Stage # 2		



Time	Pressures (psl)		Rate BPM	Stage BBLs	Total BBLs	Job Description / Remarks
	STP	ANNULUS				
17:19	5966		70	487	26,622	Pad
17:31	5705		69	248	26,870	.5# 30/50 Ottawa
17:34	5644		70.5	214	27,084	Sweep
17:37	5624		65.7	496	27,580	.75# 30/50 Ottawa
17:45	5546		68.9	214	27,794	Sweep
17:48	5588		69.8	490	28,284	1# 30/50 Ottawa
17:55	5461		69.5	219	28,503	Sweep
17:58	5579		66.3	507	29,010	1.25# 30/50 Ottawa
18:06	5371		67.8	214	29,224	Sweep
18:09	5560		68	508	29,732	1.5# 20/40 Ottawa
18:17	5376		67.9	217	29,949	Sweep
18:20	5528		66.4	312	30,261	2# 20/40 Ottawa
18:24	5325		69	426	30,687	Flush/BD
18:32					30,687	shutdown to fix acid leak
18:34					30,687	fixed hose ready to pump
18:37	5158		28	166	30,853	Acid
18:43	6081		70.3	491	31,344	Pad
18:56	5681		67.9	228	31,572	.5# 30/50 Ottawa
18:59	5618		70	216	31,788	Sweep
19:03	5646		67	494	32,282	.75# 30/50 Ottawa
19:10	5520		66.5	240	32,522	Sweep
19:14	5647		67.8	498	33,020	1# 30/50 Ottawa
19:21	5475		68.1	214	33,234	Sweep
19:24	5623		68.3	503	33,737	1.25# 30/50 Ottawa
19:32	5409		69.6	234	33,971	Sweep
19:35	5644		69	503	34,474	1.5# 20/40 Ottawa
19:43	5410		69	219	34,693	Sweep
19:46	5626		68	462	35,155	2# 20/40 Ottawa
19:53	5224		46	361	35,516	Flush
19:50						Hyd #556 lost power
20:00						Shutdown to fix Hyd #556
21:11						Ran hoses from blender to tanks
22:00						Checking water
22:23						Shutdown short on water
11:00						12-23-09 AOL
11:30						Prime and Test
12:00						Safety Meeting
12:02	4883					Open Wellhead
12:02	4893		10	58	35,574	Breakdown
12:09	5551		27	196	35,770	Acid
12:16	6020		69.4	476	36,246	Pad
12:28	5836		67.4	206	36,452	.5# 30/50 Ottawa
12:31	5698		69	178	36,630	Sweep
12:34	5687		67	398	37,028	.75# 30/50 Ottawa
12:40	5577		68.6	171	37,199	Sweep

Treating Pressure	
Minimum	4883
Maximum	6081
Average	5531
Operators	
Max Pressure	

Injection Rates	
Minimum	10
Maximum	71
Average	63

Shut In Pressures	
ISDP	
5 Min.	
10 Min.	
15 Min.	
Final	

Well Data	
Tubing Type	
Tubing Depth	
Packer Depth	
Casing Type	
Casing Depth	
Formation	
Well Type	

Treatment Fluid and Capacities in BBLs	
Tubing Cap.	
Casing Cap.	
Fluid To Load	
Pad Volume	
Treating Fluid	
Flush	
Fluid To Recover	

Treatment Data	
Fluid Description	Volume Pumped (Gals)

Treatment Data	
Proppant Description	Volume Pumped (lbs)

Treatment Data	
Materials	



BREAK THROUGH.

