

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720

**District II**  
811 S. First St., Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720

**District III**  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170

**District IV**  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico  
**Energy Minerals and Natural Resources**  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-101  
Revised November 14, 2012

**HOBBS OCD**  
**APR 18 2013**  
**RECEIVED**

AMENDED REPORT

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

1. Operator Name and Address OXY USA Inc. P.O. Box 50250 Midland, TX 79710		2. OGRID Number 16696	
		3. API Number 30-025-26976	
4. Property Code	5. Property Name NBR	6. Well No. 1	

**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
J	18	22S	33E		1980	South	1980	east	Lea

**8. Proposed Bottom Hole Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County

**9. Pool Information**

Pool Name SWD; Bell Canyon - Cherry Canyon	Pool Code 96802
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**Additional Well Information**

11. Work Type P	12. Well Type S	13. Cable/Rotary —	14. Lease Type S	15. Ground Level Elevation 3631
16. Multiple No	17. Proposed Depth 6000	18. Formation Delaware	19. Contractor TBD	20. Spud Date After Approval
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

**21. Proposed Casing and Cement Program**

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
	17 1/2"	13 3/8"	54.5 #	762'	870	Surf-Circ
	12 1/4"	10 3/4"	40.5-51 #	5006'	3135	Surf-Circ
	9 1/2"	7 5/8"	26.4-29.7 #	12066'	2040	5240'-CBL

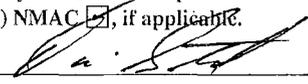
**Casing/Cement Program: Additional Comments**

5" liner @ 11768 - 15120' w/ 580 sx, 6 1/4" hole, TOC - 11768' - Circ.

**22. Proposed Blowout Prevention Program** Permit Expires 2 Years From Approval Date Unless Drilling Underway

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	5000	5000	SWD-1420
Annular	3000	3000	

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief.  
I further certify that I have complied with 19.15.14.9 (A) NMAC  and/or 19.15.14.9 (B) NMAC , if applicable.

Signature: 

Printed name: David Stewart  
Title: Sr. Regulatory Advisor  
E-mail Address: david\_stewart@oxy.com  
Date: 4/15/13  
Phone: 432-685-5717

OIL CONSERVATION DIVISION

Approved By: 

Title: Petroleum Engineer

Approved Date: 05/30/13  
Expiration Date: 05/30/15

Conditions of Approval Attached

**MAY 30 2013**

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**HOBBS OGD**

**APR 18 2013**

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State of New Mexico  
Energy, Minerals & Natural Resources Department  
**OIL CONSERVATION DIVISION**  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office  
 AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

<sup>1</sup> API Number 30-025-26976		<sup>2</sup> Pool Code 26902		<sup>3</sup> Pool Name SW 1/4; BELL CANYON - CHERRY CANYON	
<sup>4</sup> Property Code		<sup>5</sup> Property Name NBR		<sup>6</sup> Well Number 1	
<sup>7</sup> OGRID No. 16696		<sup>8</sup> Operator Name OXY USA INC.		<sup>9</sup> Elevation 3631'	

<sup>10</sup> Surface Location									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	18	22S	33E		1980	South	1980	east	Lea

<sup>11</sup> Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

<sup>12</sup> Dedicated Acres N	<sup>13</sup> Joint or Infill -	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

<div style="text-align: center;"> <p>1980'</p> <p>1980'</p> </div>	<p><b><sup>17</sup> OPERATOR CERTIFICATION</b></p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i></p> <p>Signature: <i>David Stewart</i> Date: 4/15/13</p> <p>Printed Name: David Stewart SR. Reg. Ado.</p> <p>E-mail Address: david_stewart@oxy.com</p>
	<p><b><sup>18</sup> SURVEYOR CERTIFICATION</b></p> <p><i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i></p> <p>Date of Survey:</p> <p>Signature and Seal of Professional Surveyor:</p>
	<p>Certificate Number</p>

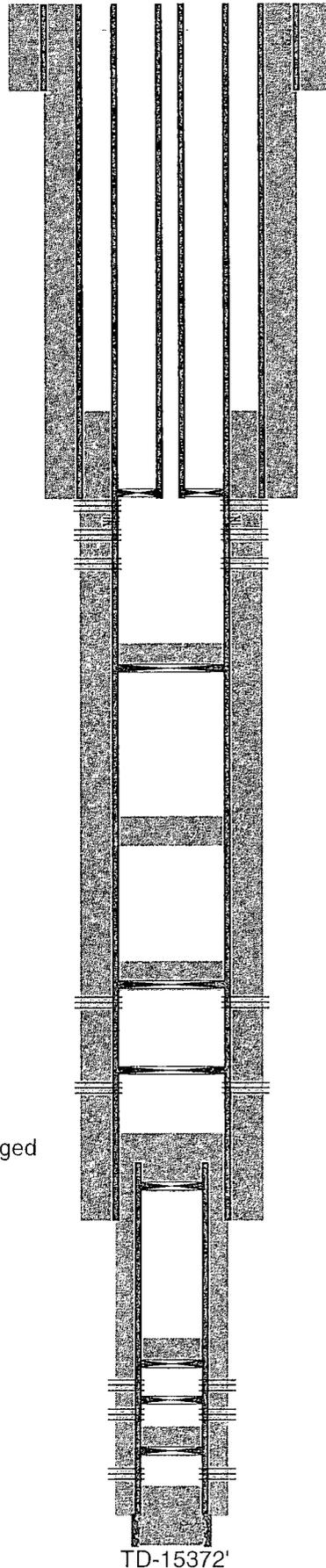
**NBR #1 – 30-025-26976**

13/3/8" 54.5 csg @ 762' w/ 870sx, 17-1/2" hole, TOC-Surf-Circ  
10-3/4" 40.5-51# csg @ 5006' w/ 3135sx, 12-1/4" hole. TOC-Surf-Circ  
7-5/8" 26.4-29.7 csg @ 12066' w/ 2040sx, 9-1/2" hole, TOC-5240'-CBL  
5" liner @ 11768-15120' w/ 580sx, 6-1/4" hole, TOC-11768'-Circ

1. MI & RU Rig. ND WH and NU BOP.
2. PU work string, RIH, and cap existing CIBP @ 9823' w/ 30 sx cmt.
3. Pull up WS and pump 30 sx cmt @ 8670' – 8570'. WOC and Tag. POOH.
4. RU WL. RIH and set CIBP @ 6863'. POOH. RD WL.
5. RIH w/ WS and spot 30 sx cmt on CIBP @ 6863'. POOH w/ WS.
6. RU WL. RIH w/ WL and set CBP @ 5250'. POOH.
7. PU and RIH w/ perf guns and perforate for cmt squeeze @ 5220'. RD WL.
8. PU cmt retainer and RIH w/ WS. Set retainer above squeeze perfs @ approximately 5200'.
9. RU cementers.
10. Maintain 500 psi pressure in WS x 7 5/8" casing annulus to prevent casing collapse.
11. Establish circulation in 10 3/4" x 7 5/8" casing annulus through bradenhead by pumping 500 gals 15% HCl down work string followed by 300 bbls freshwater. **Do not exceed a 2400 psi (70% of collapse pressure) bottomhole pressure.**
12. After establishing circulation, pump 180 sx cmt down WS. **Do not exceed a 2400 psi bottomhole pressure.**
13. Displace cement out of WS.
14. POO retainer and POOH w/ WS.
15. With rig, DO cmt retainer @ 5200' and CBP @ 5250' and CO to PBTD @ approximately 6760'.
16. RU WLU and run CBL from PBTD to surface. RD WL.
17. **Obtain engineering approval before continuing.**
18. Pressure test casing to 4200 psi (~70% of burst – 26.4# N80). RD Rig. NU Frac valve.
19. RU WL. PU perf guns and perforate Stage 1 @ 5641-5954'. POOH.
20. RU Frac crew and frac stage 1 per Halliburton frac program. **Do not exceed 4200 psi in casing.**
21. RIH w/ WL and set CBP @ 5400'. POOH.
22. PU perf guns, RIH, and perforate Stage 2 @ 5030-5270'. POOH. RD WL.
23. Frac Stage 2 per Halliburton frac program. RD Frac. **Do not exceed 4200 psi in casing.**
24. RU Rig, PU WS. Mill out CBP @ 5400' and clean out frac to PBTD. RD Rig.
25. Flow back well to frac tanks to clean up all perforation debris. Truck water from site for disposal at a commercial facility.
26. RU WL and re-perforate the entire injection interval @ 4952-5998'. POOH.
27. PU injection pkr and RIH w/ WL. Set injection pkr @ 4900' w/ plug in profile nipple. POOH. RD WL.
28. RU Rig. RIH w/ injection tubing and BHA and circulate pkr fluid.
29. Run an MIT pressure test on the well with a witness from the OCD. RD Rig. NU WH.
30. Place well on injection and report results to engineer.

**WARNING:** A POISONOUS GAS - HYDROGEN SULFIDE (H<sub>2</sub>S) - A HIGHLY TOXIC COLORLESS GAS THAT IS HEAVIER THAN AIR MAY BE PRESENT AT THIS LOCATION AND/OR PRESENT IN THE GAS AND LIQUIDS INJECTED OR PRODUCED FROM THIS WELL. PLANS MUST BE REVIEWED DEALING WITH H<sub>2</sub>S SAFETY PRIOR TO WORKING ON THIS WELL. CHECK WITH FOREMAN CONCERNING LOCAL CONDITIONS.

OXY USA Inc. - Proposed  
NBR #1  
API No. 30-025-26976



17-1/2" hole @ 762'  
13-3/8" csg @ 762'  
w/ 870sx-TOC-Surf-Circ

**2-7/8" 6.5# J55 compsite tbg &  
nickel plated Arrow Set pkr @ 4902'**

12-1/4" hole @ 5006'  
10-3/4" csg @ 5006'  
w/ 3135sx-TOC-Surf-Circ

**CIBP @ 6863' w/ 30sx to 6763' WOC-Tag**

**Perf @ 5220' sqz 180sx cmt to 4500'  
Perfs @ 4952-5998'**

**30sx @ 8670-8570' WOC-Tag**

**30sx @ 9823-9723'  
9/07-CIBP @ 9823'**

Perf @ 9898-9920'

2/03-CIBP @ 11100'

Perf @ 11160-11184'

2/03-CIBP @ 11868' w/ 60sx cmt 11540'-Tagged

9-1/2" hole @ 12066'  
7-5/8" csg @ 12066'  
w/ 2040sx-TOC-5240'-CBL

2/03-CIBP @ 13720' w/ 50' cmt

6-1/4" hole @ 15372'  
5" liner @ 11768-15120'  
w/ 580sx-TOC-11768'-Circ

12/96-CIBP @ 13910'

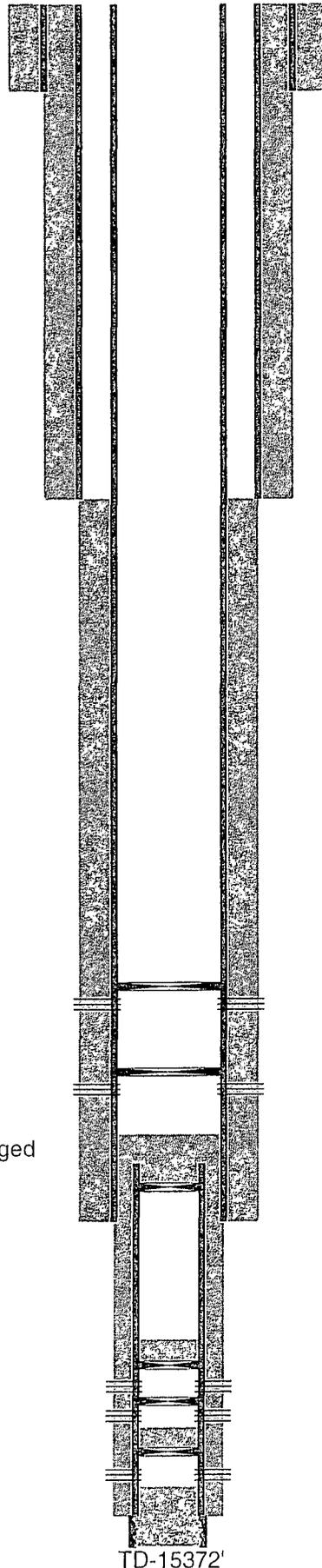
Perfs @ 13756-13895'  
Perfs @ 13921-13927'

7/91-CIBP @ 14725' w/ 50' cmt

Perfs @ 14739-14956'

TD-15372'

OXY USA Inc. - Current  
NBR #1  
API No. 30-025-26976



17-1/2" hole @ 762'  
13-3/8" csg @ 762'  
w/ 870sx-TOC-Surf-Circ

12-1/4" hole @ 5006'  
10-3/4" csg @ 5006'  
w/ 3135sx-TOC-Surf-Circ

9/07-CIBP @ 9823'

2/03-CIBP @ 11100'

2/03-CIBP @ 11868' w/ 60sx cmt 11540'-Tagged

2/03-CIBP @ 13720' w/ 50' cmt

12/96-CIBP @ 13910'

7/91-CIBP @ 14725' w/ 50' cmt

Perf @ 9898-9920'

Perf @ 11160-11184'

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Perfs @ 13756-13895'

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TD-15372'