

District I  
3625 N French Dr, Hobbs, NM 88240  
District II  
1301 W Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Artesia, NM 88210  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

Form C-101  
June 16, 2003

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Submit to appropriate District Office

☐ AMENDED REPORT

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

<sup>1</sup> Operator Name and Address CHEVRON U S A INC 15 SMITH ROAD MIDLAND, TEXAS 79705		<sup>2</sup> OGRID Number 4323
		<sup>3</sup> API Number 30 - 025-34087
<sup>3</sup> Property Code 20070	<sup>5</sup> Property Name MONUMENT '23' STATE	
<sup>9</sup> Proposed Pool 1 MONUMENT, YESO, NORTHWEST (97089)		<sup>6</sup> Well No 13
<sup>10</sup> Proposed Pool 2		

**Surface Location**

UL or lot no J	Section 23	Township 19-S	Range 36-E	Lot Idn	Feet from the 1688	North/South line SOUTH	Feet from the 2107	East/West line EAST	County LEA
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**Proposed 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
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**Additional Well Information**

Work Type Code P	<sup>12</sup> Well Type Code O	<sup>13</sup> Cable/Rotary	<sup>14</sup> Lease Type Code S	<sup>15</sup> Ground Level Elevation 3698' GL
<sup>16</sup> Multiple NO	<sup>17</sup> Proposed Depth 74708	<sup>18</sup> Formation YESO	<sup>19</sup> Contractor	<sup>20</sup> Spud Date

**Proposed Casing and Cement Program**

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
NO CHANGE					

<sup>22</sup> Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

CHEVRON U.S.A. INC. INTENDS TO RECOMPLETE THE SUBJECT WELL TO THE MONUMENT, YESO, NORTHWEST POOL.

THE INTENDED PROCEDURE AND CURRENT AND PROPOSED WELLBORE DIAGRAM ARE ATTACHED.

ALSO ATTACHED IS THE C-144 INFO & THE C-102 PLAT.

**Permit Expires 2 Years From Approval  
Date Unless Drilling Underway**

**Plugback**

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature

*Denise Pinkerton*

Printed name

DENISE PINKERTON

Title

REGULATORY SPECIALIST

E-mail Address

leakejd@chevron.com

Date

11-19-2008

Phone

432-687-7375

OIL CONSERVATION DIVISION

Approved by:

*[Signature]*

Title

**PETROLEUM ENGINEER**

Approval Date

Expiration Date

**NOV 25 2008**

Conditions of Approval Attached ☐

Monument 23 State #13  
Monument; Yeso, Northwest  
Section 23, T19S, R36E, Unit J  
Lea County, NM  
30-025-34087

11/10/2008

**PB to Yeso and Acidize**

1. *This procedure is based on the most recent information regarding wellbore configuration and equipment that could be found in the Midland Office well files and computer databases as of 11/10/2008. Verify what is in the hole with the well file in the Eunice Field office. Discuss w/ WEO Engineer, Workover Rep, OS, ALS, and FS prior to rigging up on well, regarding any hazards or unknown issues pertaining to the well.*
2. Displace flowline w/ fresh water. Have Field Specialist close valve at header. Pressure test line according to type. All polypipe (SDR7 and SDR11) will be tested to 100 psi. All steel lines will be tested to 500 psi. If a leak is found, contact Donnie Ives for repair/replacement. If tests good, bleed off pressure and open valve at header. Document this process in the morning report.
3. MI & RU workover unit. Bleed pressure from well, if any. Pump down casing with 8.6 PPG cut brine water if necessary to kill well. Remove wellhead. Install BOP's and test as required.
4. MI & RU Gray WL electric line unit. Install lubricator and test to 1000 psi. GIH w/ 5-1/2" gauge ring to 7228'. POH. Pressure test casing and CIBP to 500 psi. POH.
5. GIH with 3-3/8" RHSC Gunslinger casing guns (0.42" EH & 47" penetration) and perforate the following intervals with 2 JSPF at 120 degree phasing using 25 gram premium charges:

Top	Bottom	Net Ft	No. Perfs
6599	6606	7	14
6622	6628	6	12
6631	6638	7	14
6651	6656	5	10
6684	6694	10	20
6716	6721	5	10
6726	6736	10	20
6769	6779	10	20
6785	6791	6	12
6801	6811	10	20

6. POH. GIH and dump bail 35' of cement on top of CIBP at 7228'. POH. RD and Release WL.  
**Note: Use Schlumberger Compensated Neutron Log dated 9/3/1997 for depth correction.**
7. PU and GIH w/ 5-1/2" PPI packer w/ SCV and 12' element spacing on 2-7/8" workstring. Test PPI packer in blank pipe. Mark Settings.
8. MI & RU DS Services. Acidize perfs 6599'-6811' with **4,000 gal** 15% NEFE HCl acid\* at a maximum rate of **1/2 BPM** and a maximum surface pressure of **4500 psi** as follows:

Interval	Rate (bpm)	Volume (gal)	PPI Setting
6801-6811'	1/2	500	6800-12'
6785-6791'	1/2	300	6784-96'
6769-6779'	1/2	500	6768-80'
6726-6736'	1/2	500	6725-37'
6716-6721'	1/2	300	6712-24'
6684-6694'	1/2	500	6683-95'
6651-6656'	1/2	300	6648-60'
6631-6638'	1/2	400	6630-42'
6622-6628'	1/2	300	6617-29'
6599-6606'	1/2	400	6597-6609'

Displace acid with 8.6 PPG cut brine water -- do not over displace. Use a SCV to control displacement fluid. Record ISIP, 5 & 10 minute SIP's. RD and release DS services. **Note: If communication occurs during treatment of any interval, monitor casing pressure and attempt to complete stage w/o exceeding 500 psi csg pressure. If cannot, then move PPI to next setting depth and combine treatment volumes of the intervals.**

\* Acid system to contain:

1 GPT A264 Corrosion Inhibitor  
8 GPT L63 Iron Control Agents  
2 PPT A179 Iron Control Aid  
20 GPT U66 Mutual Solvent  
2 GPT W53 Non-Emulsifier

- Release PPI & PUH to approximately 6500'. Fish SCV. Swab back all intervals together. Recover 100% of treatment and load volumes before shutting well in for night, if possible. Report recovered volumes, pressures, and/or swabbing fluid levels. **Note: Selectively swab perfs as directed by engineering if excessive water is produced.**

Selective Swab Settings		
Interval	Packer	RBP
6769-6811	6750	swinging
6684-6736	6670	6750
6799-6656	6780	6670

- Open well. Release PPI pkr. POH w/ tbg and PPI pkr. LD PPI tool.
- RIH w/ 2-7/8" production tubing and hang off per ALS recommendation. NDBOP. NUWH. RIH w/ rods and pump per ALS.
- RD Key PU & RU. Turn well over to production. Report producing rates, choke sizes, flowing pressures and/or fluid levels.

Engineer – Richard Jenkins

432-631-3281 Cell

rjdg@chevron.com

Well: **Monument 23 State #13**

Reservoir: **Monument; Yeso, Northwest**

**Location:**

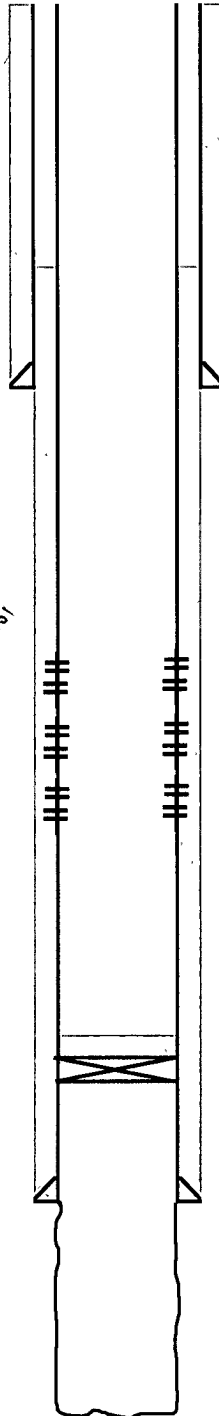
1688' FSL & 2107' FEL  
Unit Letter J  
Section 23  
Township 19S  
Range 36E  
County Lea, NM

**Elevations:**

GL 3698'  
DF 12'  
KB 13'

TOC @ 1000'

**Proposed  
Wellbore Diagram**



**Well ID Info:**

Refno BO3807  
API No 30-025-34087  
L5/L6  
Spud Date 8/18/1997  
Compl Date 9/24/1997

**Surf Csg:** 8-5/8" 24#, WC-50

**Set:** @ 1332' w/ 450 sks

**Hole Size:** 11"

**Circ:** Yes

**TOC By:** Circulation

**TOC:** Surface

This wellbore diagram is based on the most recent information regarding wellbore configuration and equipment that could be found in the Midland Office well files and computer databases as of the update date below. Verify what is in the hole with the well file in the Eunice Field Office. Discuss w/ WEO Engineer, WEO Rep, OS, ALS & FSI to rigging up on well.

Perfs	Status
6599-6606'	Yeso - Open
6622-28'	Yeso - Open
6631-38'	Yeso - Open
6651-56'	Yeso - Open
6684-94'	Yeso - Open
6716-21'	Yeso - Open
6726-36'	Yeso - Open
6769-79'	Yeso - Open
6785-91'	Yeso - Open
6801-11'	Yeso - Open

CIBP @ 7228' w/ 35' cmt

**Prod Csg:** 5-1/2" 15 5#, K-55

**Set:** @ 7262'

**Hole Size:** 7-7/8"

**Circ:** No

**TOC By:** calculation

**TOC:** 1000'

Prod. Interval	Status (Open Hole)
7262'-7478'	Abo - Isolated Below CIBP

COTD: 7193'  
PBSD: 7193'  
TD: 7478'  
Updated: 10/10/2008

By: rjd

District I  
1625 N. French Dr., Hobbs, NM 88240  
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1000 Rio Brazos Rd., Aztec, NM 87410  
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1220 S. St. Francis Dr., Santa Fe, NM 87505

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 October 12, 2005  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-025-34087	<sup>2</sup> Pool Code 97089	<sup>3</sup> Pool Name MONUMENT; YESO, NORTHWEST
<sup>4</sup> Property Code 20070	<sup>5</sup> Property Name MONUMENT "23" STATE	<sup>6</sup> Well Number 13
<sup>7</sup> OGRID No. 4323	<sup>8</sup> Operator Name CHEVRON U.S.A. INC.	<sup>9</sup> Elevation 3698' GL

<sup>10</sup> Surface Location


UL or lot no. J	Section 23	Township 19-S	Range 36-E	Lot Idn	Feet from the 1688	North/South line SOUTH	Feet from the 2107	East/West line EAST	County LEA
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<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
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<sup>12</sup> Dedicated Acres 40	<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.

<sup>16</sup>				<sup>17</sup> OPERATOR CERTIFICATION <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>  Signature 11-19-2008 Date DENISE PINKERTON REGULATORY SPECIALIST Printed Name
				<sup>18</sup> SURVEYOR CERTIFICATION <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>
				Date of Survey Signature and Seal of Professional Surveyor
				Certificate Number

