DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980
DISTRICT II
P.O. Box Drawer DD, Artesia, NM 88211-0719
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410
DISTRICT IV
P.O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-101
Revised February 10,199
Instructions on bac
Submit to Appropriate District Offic
State Lease - 6 Copie
Fee Lease - 5 Copie

☐ AMENDED REPORT

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

1 Operator Name and Address	2 OGRID Number
CHEVRON USA INC 15 SMITH RD, MIDLAND, TX 79705	4323
	3 API Number 30-02510424

4 Property Code	5 Property Name	6 Well No.
2588	O.I. BOYD	2

7 Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
O	23	22-S	37-E		660'	SOUTH	1980'	EAST	LEA

8 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

9 Proposed Pool 1	10 Proposed Pool 2
LANGLIE MATTIX SEVEN RIVERS QUEEN GRAYBURG	

11 Work Type Code	12 WellType Code	13 Rotary or C.T.	14 Lease Type Code	15 Ground Level Elevation
P	O	ROTARY	P	3326' DF
16 Multiple	**17 Proposed Depth**	**18 Formation**	**19 Contractor**	**20 Spud Date**
No	6440'	GRAYBURG		4/15/2006

21 Proposed Casing and Cement Program

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
NO CHANGE					

22 Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zoneand 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 FROM THE BLINEBRY RESERVOIR TO THE LANGLIE MATTIX SEVEN RIVERS QUEEN GRAYBURG FIELD AND FORMATION. THE BLINEBRY ZONE WILL BE PLUGGED.

A PIT WILL NOT BE USED FOR THIS RECOMPLETION. A STEEL FRAC TANK WILL BE UTILIZED.

THE CURRENT AND PROPOSED WELLBORE DIAGRAMS, AND THE INTENDED PROCEDURE IS ATTACHED FOR YOUR APPROVAL.

Permit Expires 1 Year From Approval Date Unless ~~Drilling~~ Underway
Plugback

23 I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and 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

Date 4/6/2006 Telephone 432-687-7375

OIL CONSERVATION DIVISION

Approved By:

Title: PETROLEUM ENGINEER

Approval Date: APR 11 2006 Expiration Date:

Conditions of Approval:
Attached ☐

DeSoto/Nichols 3-94 ver 1.10

O.I. Boyd 3/31/2006
API #30-025-10424
660' FSL & 1980' FEL
S23, T22S, R37E
Langlie Mattix – 7R – Q - GB
Lea County, New Mexico

COMPLETION PROCEDURE:

Use 8.6 ppg brine water. Do not exceed 300 psi on casing at anytime during job due to squeeze perfs.

1. **Complete if applicable:** 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.

2. MIRU Key PU & RU. NDWH. Unseat pump and POOH w/ rods & pump. NUBOP. Test BOP when possible. POOH w/ 2-3/8" tbg & LD. Send equipment in for inspection.

3. PU & RIH w/ 6-1/4" bit on 2-7/8" WS to 5600'. POOH & LD bit.

4. MIRU WL. RIH w/ 7" CIBP & set @ 5590'. Dump 30' of cement on CIBP. Load and test csg to 300 psi. RIH w/ CBL/CCL log from 4300' to 100' above the top of cement tied back to Dresser Atlas' Compensated Neutron log dated 2/26/84. Check cement bond quality across completion interval. If cement bond does not look adequate, discuss squeezing options with engineer.

5. Perforate the following intervals with 3-1/8" slick guns loaded w/ 4 JSPF, 120 degree phasing and premium charges tied back to previously run log. RD Baker Atlas WL.

Top Perf	Bottom Perf	Net Feet	Total Holes
3633	3635	2	8
3657	3659	2	8
3663	3672	9	36
3675	3678	3	12
3687	3695	8	32
3700	3706	6	24
3717	3725	8	32
3730	3736	6	24
3743	3751	8	32
3761	3770	9	36
3777	3787	10	40
3793	3800	7	28
3809	3818	9	36
3821	3829	8	32
3843	3850	7	28
3854	3864	10	40
3866	3876	10	40

6. RIH w/ 7" PPI packer w/ SCV and 12' spacing element. Test 2-7/8" WS to 4500 psi while RIH. Test PPI packer in blank pipe. Mark settings.

7. MIRU DS. Acidize perfs w/ 3,400 gals 15% NEFE HCl acid at a max rate of ½ BPM & 4000 psi surface pressure as follows:

Perfs	Acid Volume	Max Rate	PPI Setting
3633-3635	200 gals	1/2 bpm	3628-3640
3657-3659	200 gals	1/2 bpm	3649-3661
3663-3672	200 gals	1/2 bpm	3661-3673
3675-3678	200 gals	1/2 bpm	3674-3686
3687-3695	200 gals	1/2 bpm	3685-3697
3700-3706	200 gals	1/2 bpm	3697-3709
3717-3725	200 gals	1/2 bpm	3715-3727
3730-3736	200 gals	1/2 bpm	3727-3739
3743-3751	200 gals	1/2 bpm	3741-3753
3761-3770	200 gals	1/2 bpm	3759-3771
3777-3787	200 gals	1/2 bpm	3776-3788
3793-3800	200 gals	1/2 bpm	3790-3802
3809-3818	200 gals	1/2 bpm	3807-3819
3821-3829	200 gals	1/2 bpm	3820-3832
3843-3850	200 gals	1/2 bpm	3840-3852
3854-3864	200 gals	1/2 bpm	3853-3865
3866-3876	200 gals	1/2 bpm	3865-3877

Displace acid w/ 8.6# brine to top perf. Record ISIP, 5, and 10 SIP. RD DS. **If communication occurs during treatment, attempt to put away stage without exceeding 300 psi csg pressure. If stage can not be completed move to next and combine stage volumes.**

8. SI well for 2 hrs for acid to spend. Release PPI & PU above top perf. RU swab and swab back load before SION if possible. Record volumes, pressures, & fluid levels. Discuss results with Engineering. If excessive water is produced, selectively swab perf intervals as discussed w/ engineer.

9. POOH w/ PPI and LD. RIH w/ 7" frac pkr, on/off tool and profile on 3-1/2" WS testing to 8500 psi while RIH. Set packer @ +/- 3530'. Install frac head. Pressure test BS to 300 psi. Hold 300 psi on BS during frac job and observe for communication.

10. MI & RU DS Services. Frac well down 3 ½" frac string at **40 BPM** with 88,000 gals of YF125FT, 176,000 lbs. 16/30 mesh Jordan Sand, and 30,000 lbs **resin-coated** 16/30 mesh CR1630 proppant. **Tag frac w/ 3 isotopes (1st in .5 ppg sand stage, 2nd in main body of sand, and 3rd in resin stage).** Observe a maximum surface treating pressure of **8500 psi**. Pump job as follows:

Pump 2,000 gals 2% KCL water containing 55 gals Baker RE 4777-SCW Scale Inhibitor
Pump 1,000 gals 2% KCL water spacer at **20 BPM**
Pump 14,000 gals YF125FT pad containing 5 GPT J451 Fluid Loss Additive at **40 BPM**
Pump 14,000 gals YF125FT containing 0.5 PPG 16/30 mesh Jordan Sand & 5 GPT J451 FL Additive
Pump 12,000 gals YF125FT containing 1.5 PPG 16/30 mesh Jordan Sand
Pump 12,000 gals YF125FT containing 2.5 PPG 16/30 mesh Jordan Sand
Pump 14,000 gals YF125FT containing 3.5 PPG 16/30 mesh Jordan Sand
Pump 16,000 gals YF125FT containing 4.5 PPG 16/30 mesh Jordan Sand
Pump 6,000 gals YF125FT containing 5 PPG **resin-coated** 16/30 mesh CR1630 proppant.

Flush to top perf with WF125FT. **Do not overflush.** Shut well in. Record ISIP, 5, 10, and 15 minute SI tbg pressures. SWI. RD & Release DS Services. **Leave well SI overnight for resin to heal.**

11. Open well and bleed off any pressure. Release packer and POOH. RIH w/ 6-1/4" bit to 4300'. POOH & LD bit. RIH w/ 7" pkr w/ on/off tool and profile. Set pkr @ +/- 3530'. RU swab and swab well checking for sand inflow. Discuss results w/ engineer. RD swab.

12. MIRU Logging Truck and conduct after Frac Log across completion interval. RD Logging truck.

13. MIRU pump truck. Pump down tbg w/ 50 bbls 8.6 PPG cut brine water containing 110 gals Baker RE-4777 Scale Inhibitor followed by 200 bbls 8.6 PPG cut brine water @ 5 BPM & 2500 psi max pressure. RD pump truck. POOH & LD WS & pkr.

14. RIH w/ 2-7/8" production tbg & hang off as per ALS recommendation. NDBOP NUWH.

15. RD Key PU & RU. Turn well over to production. Contact Lease Operator and inform them that the well is ready for operation.

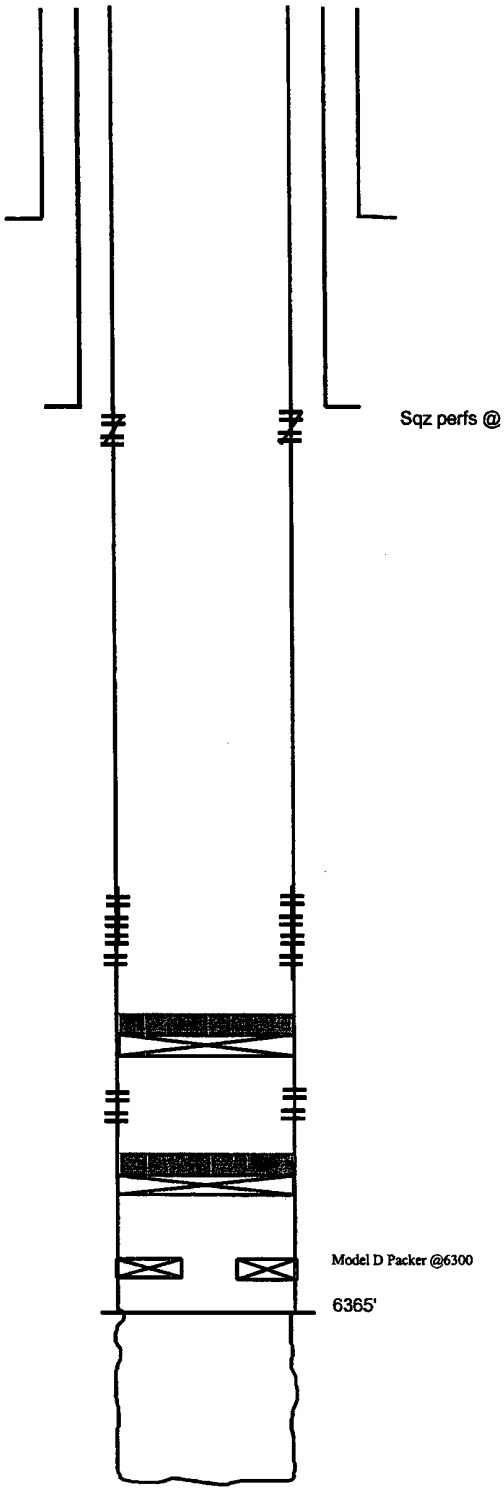
Engineer - Keith Lopez
432-687-7120 Office
432-631-3281 Cell
432-661-6156 Home

Well: **Ol Boyd 02** **Field:** Blinebry oil & gas **Reservoir:** Blinebry

Location:
Unit: O
Section: 23
Township: 22S
Range: 37E
County: LEA, NM.

Elevations:
GL:
DF: 3326'
KB:

Current
Wellbore Diagram



Well ID Info:
Refno: **FB1413**
API No: 3002510424
L5/L6: U46/0600
Spud Date:
ComplDate:

Surf. Csg:
Size 13 3/8
Weight
Set: @ 318'
With: 300sx
Hole Size:
Circ: yes
TOC @ surf

Int. Csg:
Size 9 5/8
Weight 36#
Set: @ 2879'
With: 1300sx
Hole Size:
Circ: no
TOC @ 545'

Perfs:	**Status**
5610 - 5658	Opened
5712 - 5814	Opened

Perfs:	**Status**
5905 - 5950	TA
6000 - 6150	TA
TUBB	

Prod. Csg:
Size 7
Weight 23
Set @ 6,335'
With: 700sx
Hole Size:
Circ: no
TOC @ 2,945'

Perfs	**Status**
DRINKARD	

PBTD:
TD: 6,440'

Updated: 31-Aug-05
By: August Venegas

#37240

Well: **Ol Boyd 02**

Field: Langlie Mattix - 7r Q GB **Reservoir:** Grayburg

Location:
660' FSL & 1980' FEL
Section: 23 Unit O
Township: 22S
Range: 37E
County: Lea State: NM

Elevations:
GL:
DF: 3326'
KB:

Proposed
Wellbore Diagram

Well ID Info:
Refno: FB1413
API No: 3002510424
L5/L6: U46/0600
Spud Date:
ComplDate:

Surf. Csg:
Size 13 3/8
Weight
Set: @ 318'
With: 300sx
Hole Size:
Circ: yes
TOC @ surf

Perfs	Status
3633-3635	Grayburg - open
3657-3659	Grayburg - open
3663-3672	Grayburg - open
3675-3678	Grayburg - open
3687-3695	Grayburg - open
3700-3706	Grayburg - open
3717-3725	Grayburg - open
3730-3736	Grayburg - open
3743-3751	Grayburg - open
3761-3770	Grayburg - open
3777-3787	Grayburg - open
3793-3800	Grayburg - open
3809-3818	Grayburg - open
3821-3829	Grayburg - open
3843-3850	Grayburg - open
3854-3864	Grayburg - open
3866-3876	Grayburg - open

Sqz perfs @ 2890'

Int. Csg:
Size 9 5/8
Weight 36#
Set: @ 2879'
With: 1300sx
Hole Size:
Circ: no
TOC @ 545'

CIBP @ 5590' w/ 30' cmt

Perfs:	Status
5610 - 5658	Opened
5712 - 5814	Opened

Perfs:	Status
5905 - 5950	TA
6000 - 6150	TA

TUBB

Prod. Csg:
Size 7
Weight 23
Set @ 6,335'
With: 700sx
Hole Size:
Circ: no
TOC @ 2,945'

Model D Packer @6300

6365'

Perfs	Status
DRINKARD	

PBTD:
TD: 6,440'

Updated: 31-Aug-05
By: August Venegas

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980
DISTRICT II
P.O. Box Drawer DD, Artesia, NM 88211-0719
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410
DISTRICT IV
P.O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-102
Revised February 10,199
Instructions on bac
Submit to Appropriate District Offic
State Lease - 4 Copie
Fee Lease - 3 Copie
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number	2 Pool Code	3 Pool Name
30-02510424	37240	LANGLIE MATTIX SEVEN RIVERS QUEEN GRAYBURG

4 Property Code	5 Property Name	6 Well No.
2588	O.I. BOYD	2

7 OGRID Number	8 Operator Name	9 Elevation
4323	CHEVRON USA INC	3326' DF

10 Surface Location

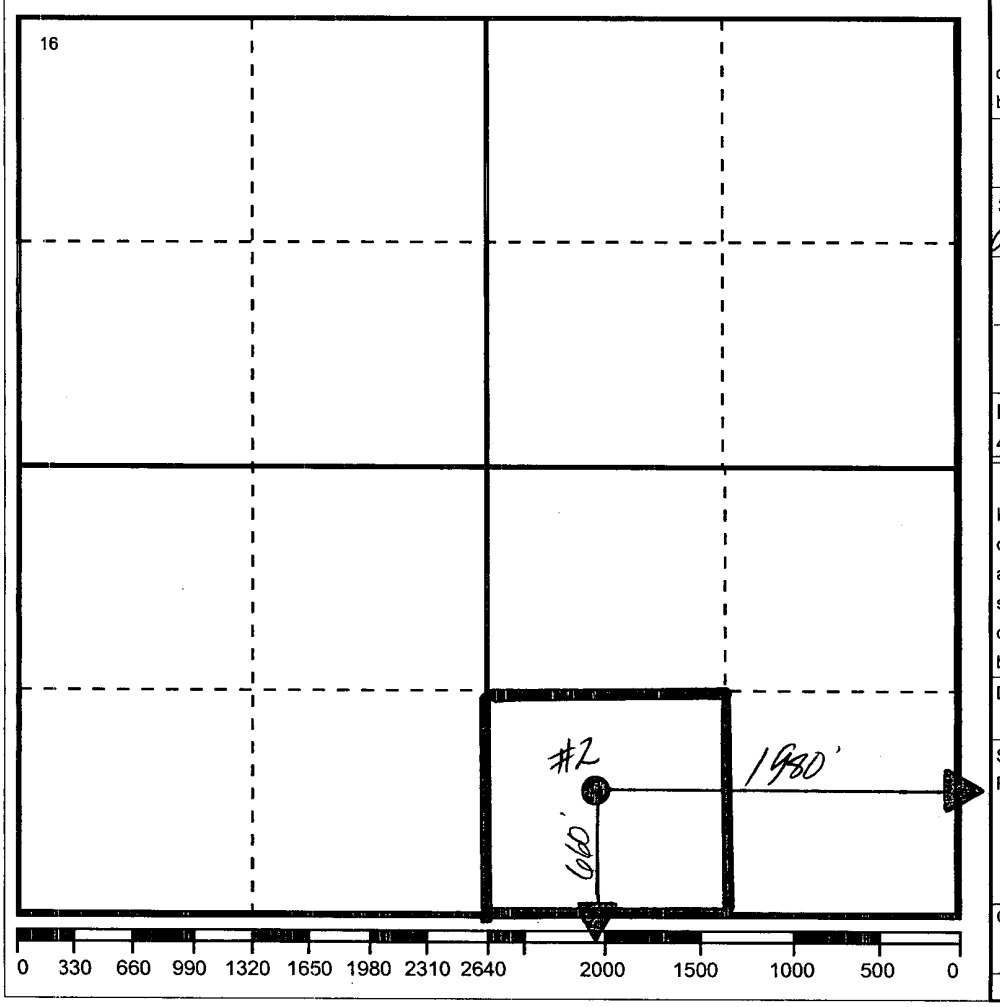
Ul or lot no	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
O	23	22-S	37-E		660'	SOUTH	1980'	EAST	LEA

11 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

12 Dedicated Acre	13 Joint or Infill	14 Consolidation Code	15 Order No.
40	No		

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



17 OPERATOR CERTIFICATION

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

Signature: Denise Pinkerton

Printed Name: Denise Pinkerton

Positio: Regulatory Specialist

Date: 4/6/2006

18 SURVEYOR CERTIFICATION

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 knowledge and belief.

Date Surveyed

Signature & Seal of Professional Surveyor

Certificate No.

DeSoto/Nichols 3/94 ver 1.10

The sender of this message has requested a read receipt. Click here to send a receipt.

Mull, Donna, EMNRD

From: Phillips, Dorothy, EMNRD **Sent:** Tue 4/11/2006 9:32 AM
To: Mull, Donna, EMNRD
Cc:
Subject: RE: Financial Assurance Requirement
Attachments:

All except Three Span have blanket bonds and Three Span has no approved bonding as of yet. They are submitting a one-well bond for the API 30-025-37791 you gave me. None of these appear on Jane's list.

From: Mull, Donna, EMNRD
Sent: Tuesday, April 11, 2006 9:28 AM
To: Phillips, Dorothy, EMNRD
Cc: Macquesten, Gail, EMNRD; Sanchez, Daniel J., EMNRD
Subject: Financial Assurance Requirement

Dorothy,

Is the Financial Assurance Requirement for these Operators OK?

Devon Energy Producing Co LP (6137)
Chevron USA Inc (4323)
Platinum Exploration Inc (227103)
Marathon Oil Co (14021)
Three Span Oil & Gas Inc (184905)

Please let me know. Thanks Donna