District I
1625 N French Dr , Hobbs, NM 88240
District II
1301 W Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S St Francis Dr , Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-
May 27, 2

Submit to appropriate District Of

☐ AMENDED REPC

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

[1] Operator Name and Address	[2] OGRID Number
CHEVRON U S A. INC 15 SMITH ROAD MIDLAND, TEXAS 79705	4323
	[3] API Number 30 – 025-32902

[3] Property Code	[5] Property Name	[6] Well No.
29996	R R SIMS B	1

[9] Proposed Pool 1	[10] Proposed Pool 2
LANGLIE MATTIX 7 RIVERS QUEEN GRAYBURG	

[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	4	23S	37E		535	SOUTH	2030	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

Additional Well Information

[11] Work Type Code	[12] Well Type Code	[13] Cable/Rotary	[14] Lease Type Code	[15] Ground Level Elevation
P	O		S	3314'
[16] Multiple	[17] Proposed Depth	[18] Formation	[19] Contractor	[20] Spud Date
NO	7250'	GRAYBURG		

Depth to Groundwater	Distance from nearest fresh water well	Distance from nearest surface water

Pit Liner Synthetic ☐ ____ mils thick Clay ☐ Pit Volume ____ bbls
Closed-Loop System ☐

Drilling Method:
Fresh Water ☐ Brine ☐ Diesel/Oil-based ☐ Gas/Air ☐

[21] Proposed Casing and Cement Program

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

[22] 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 zo
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 GRAYBURG FORMATION, ACIDIZE, & FRAC

A PIT WILL NOT BE USED FOR THIS PLUGBACK

THE INTENDED PROCEDURE, & CURRENT & PROPOSED WELLBORE DIAGRAMS ARE ATTACHED FOR YOUR APPROVAL.

RECEIVED

JAN – 4 2008

HOBBS OCD

Permit Expires 1 Year From Approval
Date Unless ~~Drilling~~ Underway
Plug back

[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 the drilling pit will be constructed according to NMOCD guidelines ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.**

Signature Denise Pinkerton

Printed name Denise Pinkerton

Title Regulatory Specialist

E-mail Address leakejd@chevron.com

Date 01-03-2008 Phone 432-687-7375

OIL CONSERVATION DIVISION

Approved by Chris Williams

Title OC DISTRICT SUPERVISOR/GENERAL MANAGER

Approval Date JAN 07 2008 Expiration Date

Conditions of Approval Attached ☐

R. R. Sims B # 1
Langlie Mattix Field
T23S, R37E, Section 4
Job: PB To Grayburg Formation, Acidize, And Frac

Procedure:

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 12/20/2007. 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 with fresh water. Have field specialist close valve at header. Pressure line according to the type of line. Buried fiberglass lines will be tested with 300 psi. All polypipe (SDR7 and SDR11) will be tested w/100 psi. All steel lines will be tested w/500 psi. If a leak is found, contact Donnie Ives for repair/replacement. If test is 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 csg with 8.6 PPG cut brine water, if necessary to kill well. POH with rods and pump. Remove WH. Install BOP's and test as required. Release TAC. POH with 2 7/8" tbg string and TAC.

4. PU and GIH with 6 1/8" MT bit and 2 7/8" work string to approximately 5650'. Reverse circulate well clean from 5650' using 8.6 PPG cut brine water. POH with work string and bit. LD bit.

5. PU and GIH with tbg-set CIBP on 2 7/8" work string to 5600'. Set CIBP at 5600'. Pressure test CIBP and 7" casing to 500 psi. POH with 2 7/8" work string and setting tool. LD setting tool.

6. MI & RU Baker Atlas electric line unit. Install lubricator and test to 1000 psi. GIH and conduct GR/CNL/CCL from 5600' up to 3200'. Send log to Midland Engineering for picking perfs. POH. GIH and conduct GR/CBL/CCL from 5600' up to 100' above top of cement. Run log with with 500 psi on casing. POH. Inspect logs for good cement bond from approximately 4100' up to 3400'. If bond does not appear to be good across proposed completion interval, discuss with Engineering before proceeding. GIH with 3 3/8" Predator casing guns and perforate from 3719-28', 3735-39', 3745-55', 3768-74', 3786-96', 3819-26', 3832-36', 3844-51', 3857-61', 3867-73', 3877-84', 3900-10', 3931-35', 3948-58, 3962-70', 3973-80', and 3984-94' with 4 JSPF at 120 degree phasing, using 32 gram premium charges. POH. RD & release electric line unit. **Note: Use Halliburton Dual Laterolog Micro-SFL Log dated 5/8/1995 for depth correlation. Also, do not load guns using the perfs noted above. The exact perfs will change after receiving Compensated Neutron Log.**

7. PU and GIH w/ 7" PPI pkr (with 12' element spacing) and SCV on 2 7/8" work string to approximately 4010'. Test tbg to 5500 psi while GIH. Pressure test csg from 4010-5600' to 2000 psi. Release PPI pkr. PUH to 3984'.

8. MI & RU DS Services. Acidize perfs 3719-3994' with 3,400 gals anti-sludge 15% HCl acid * at a maximum rate **as shown below** and a maximum surface pressure of **3500 psi.** Spot acid across perfs at beginning of each stage and let soak to lower breakdown pressure and prevent communication. Pump job as follows:

Interval	**Amt. Acid**	**Max Rate**	**PPI Setting**
3984-94'	200 gals	½ BPM	3983-95'
3973-80'	200 gals	½ BPM	3971-83'
3962-70'	200 gals	½ BPM	3960-72'
3948-58'	200 gals	½ BPM	3947-59'
3931-35'	200 gals	½ BPM	3930-42'
3900-10'	200 gals	½ BPM	3899-3911'
3877-84'	200 gals	½ BPM	3875-87'
3867-73'	200 gals	½ BPM	3864-76'
3857-61'	200 gals	½ BPM	3852-64'
3844-51'	200 gals	½ BPM	3840-52'
3832-36'	200 gals	½ BPM	3830-42'
3819-26'	200 gals	½ BPM	3815-27'
3786-96'	200 gals	½ BPM	3785-97'
3768-74'	200 gals	½ BPM	3765-77'
3745-55'	200 gals	½ BPM	3744-56'
3735-39'	200 gals	½ BPM	3730-42'
3719-28'	200 gals	½ BPM	3718-30'

Displace acid with 8.6 PPG cut brine water -- do not overdisplace. Use a SCV to control displacement fluid. Record ISIP, 5 & 10 minute SIP's. RD and release DS services. **Note: Pickle tubing in 1 run of 500 gals acid, prior to acidizing perfs. Pickle acid is to contain only 1/2 gal A264 and 1 gal W53. Also, 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 is to contain:	1 GPT A264	Corrosion Inhibitor
	8 GPT L63	Iron Control Agent
	2 PPT A179	Iron Control Aid
	20 GPT U66	Mutual Solvent
	2 GPT W53	Non-Emulsifier

9. Release PPI pkr and PUH to approximately 3675'. Set pkr at 3675'. Fish SCV. Swab back all intervals together. Recover 100% of treatment and load volumes before shutting well in for night, if possible. Report recovered fluid volumes, pressures, and/or swabbing fluid levels. **Note: Selectively swab perfs as directed by Engineering if excessive water is produced.**

10. Open well. Release PPI pkr. POH with tbg and PPI packer. LD PPI tool.

11. PU and GIH w/ 7" Arrow-Set 10K pkr & On-Off tool w/ 2.25" "F" profile and 117 jts. of 3 ½" EUE 8R L-80 work string, testing to 8500 psi. Set pkr at approximately 3600'. Install frac head. Pressure annulus to 500 psi to test csg and pkr. Leave pressure on csg during frac job to observe for communication.

12. MI & RU DS Services and Tracer-Tech Services (Mike Mathis (866) 595-3115). Frac well down 3 ½" tubing at **40 BPM** with 88,000 gals of YF125, 176,000 lbs. 16/30 mesh Jordan Sand, and 30,000 lbs **resin-coated** 16/30 mesh CR1630 proppant. Observe a maximum surface treating pressure of **8000 psi**. Tag frac with 2 radioactive isotopes (1 in regular sand stages, and 1 in resin-coated proppant stage). Pump job as follows:

    Pump 2,000 gals 2% KCL water containing 55 gals Baker RE 4777-SCW Scale Inhibitor at **6 BPM**
    Pump 1,000 gals 2% KCL water spacer at **20 BPM**
    Pump 14,000 gals YF125 pad containing 5 GPT J451 Fluid Loss Additive at **40 BPM**
    Pump 14,000 gals YF125 containing 0.5 PPG 16/30 mesh Jordan Sand & 5 GPT J451 FL Additive
    Pump 12,000 gals YF125 containing 1.5 PPG 16/30 mesh Jordan Sand
    Pump 12,000 gals YF125 containing 2.5 PPG 16/30 mesh Jordan Sand
    Pump 14,000 gals YF125 containing 3.5 PPG 16/30 mesh Jordan Sand
    Pump 16,000 gals YF125 containing 4.5 PPG 16/30 mesh Jordan Sand
    Pump 6,000 gals YF125 containing 5 PPG **resin-coated** 16/30 mesh CR1630 proppant.

    Flush to 3600' with 1,315 gals WF125. **Do not overflush.** Shut well in. Record ISIP, 5, 10, and 15 minute SI tbg pressures. SWI. RD & Release DS Services and Tracer-Tech Services. **Leave well SI overnight.**

13. Open well. Bleed pressure from well, if any. Release pkr. POH LD 3 ½" work string, on-off tool, and pkr.

14. PU and GIH with 6 1/8" MT bit on 2 7/8" work string to approximately 4300'. If fill is tagged above 4300', cleanout to 4300' using 8.6 PPG cut brine water and air unit if necessary. POH with 2 7/8" work string and bit. LD bit.

15. PU & GIH with 7" pkr on 2 7/8" work string to 3600'. Set pkr at 3600'. Open well. GIH and swab well until there is no sand inflow. Swab well for at least 3 hours before logging. MI & RU Baker Atlas electric line unit. Install lubricator and test to 1000 psi. GIH and conduct after-frac PRISM GR/Temp/CCL log from 4300' up to 3300'. POH. RD & release electric line unit. **Note: Correlate logs and run flat with Baker Atlas GR/CBL/CCL Log conducted in Step # 6.**

16. Release pkr. POH LD 2 7/8" work string and pkr.

17. PU and GIH w/ BP mud anchor jt of 2 7/8" tbg, 2 7/8" x 4' perforated sub, SN, 1 jt 2 7/8" EUE 8R J-55 IPC tbg, 14 jts 2 7/8" EUE 8R J-55 tbg, TAC, and 117 jts 2 7/8" EUE 8R J-55 tbg, testing to 5000 psi. Set TAC at 3650', with EOT at 4115' and SN at 4080'.

18. Remove BOP's and install WH. GIH with rods, weight bars, and pump per ALS recommended design. RD & release pulling unit.

19. Turn well over to production. Report producing rates, choke sizes, flowing pressures and/or fluid levels.

AMH
12/20/2007

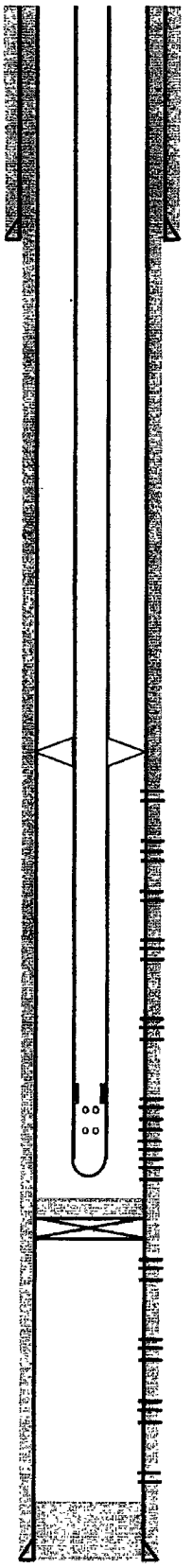
Well: **R. R. Sims B # 1** Field: **Teague North** Reservoir: **Blinebry &Tubb (DHC)**

Location:
535' FSL & 2030' FEL
Section: 4
Township: 23S
Range: 37E
County: Lea State: NM

Elevations:
GL: 3314'
KB: 3326'
DF: 3325'

Current Wellbore Diagram

Well ID Info:
Chevno: BC4538
API No: 30-025-32902
L5/L6: UCU820400
Spud Date: 4/27/95
Compl. Date: 8/16/95



Surf. Csg: 9 5/8", 36#, WC-50
Set: @ 1182' w/ 650 sks
Hole Size: 12 1/4"
Circ: Yes **TOC:** Surface
TOC By: Circulated

Tubing Detail:

#Jts:	Size:	Footage
	KB Correction	12.00
180	Jts. 2 7/8" EUE 8R J-55 Tbg	5580.00
	TAC	2.72
22	Jts. 2 7/8" EUE 8R J-55 Tbg	692.28
	SN	1.10
	2 7/8" x 4' Perf Tbg Sub	4.10
1	Jt. 2 7/8" EUE 8R J-55 Tbg	31.20
	Bull Plug	0.50
203	**Bottom Of String >>**	6323.90

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, WO Rep, OS, ALS, & FS prior to rigging up on well regarding any hazards or unknown issues pertaining to the well.

CIBP @ 6400'
(20' cmt on top)

COTD: 6378'
PBTD: 6380'
TD: 7250'

Updated: 12/20/2007

By: A. M. Howell

Perfs:	Status:
5679-81'	Blinebry - Open
5698-5702'	Blinebry - Open
5712-19'	Blinebry - Open
5725-38'	Blinebry - Open
5745-47'	Blinebry - Open
5758-65'	Blinebry - Open
5773-81'	Blinebry - Open
5788-95'	Blinebry - Open
5812-16'	Blinebry - Open
5843-45'	Blinebry - Open
5868-72'	Blinebry - Open
6116-6250'	Tubb - Open
6460-64'	Drinkard - Below CIBP
6488-98'	Drinkard - Below CIBP
6508-12'	Drinkard - Below CIBP
6540-63'	Drinkard - Below CIBP
6571-97'	Drinkard - Below CIBP
6605-17'	Drinkard - Below CIBP
6631-35'	Drinkard - Below CIBP

6723-28'	6990-96'	Abo - Below CIBP
6737-48'	6999-7001'	Abo - Below CIBP
6758-62'	7004-15'	Abo - Below CIBP
6884-94'	7028-30'	Abo - Below CIBP
6902-04'	7040-43'	Abo - Below CIBP
6907-10'	7048-54'	Abo - Below CIBP
6918-32'	7062-72'	Abo - Below CIBP
6940-42'	7096-7102'	Abo - Below CIBP
6948-53'	7120-32'	Abo - Below CIBP
6956-58'	7142-44'	Abo - Below CIBP
6961-71'		Abo - Below CIBP

Prod. Csg: 7", 23#, 26#, & 32# K-55 & L-80
Set: @ 7250' w/ 3000 sks
Hole Size: 8 3/4"
Circ: Yes **TOC:** Surface
TOC By: Circulated

Well: **R. R. Sims B # 1** Field: **Langlie Mattix** Reservoir: **Grayburg**

Location:
535' FSL & 2030' FEL
Section: 4
Township: 23S
Range: 37E
County: Lea State: NM

Elevations:
GL: 3314'
KB: 3326'
DF: 3325'

UL-O

Proposed Wellbore Diagram

Well ID Info:
Chevno: BC4538
API No: 30-025-32902
L5/L6: UCMK90400
Spud Date: 4/27/95
Compl. Date: 8/16/95

3724D

Surf. Csg: 9 5/8", 36#, WC-50
Set: @ 1182' w/ 650 sks
Hole Size: 12 1/4"
Circ: Yes **TOC:** Surface
TOC By: Circulated

Tubing Detail:

#Jts:	Size:	Footage
	KB Correction	12.00
117	Jts 2 7/8" EUE 8R J-55 Tbg	3627.00
	TAC	2.72
14	Jts 2 7/8" EUE 8R J-55 Tbg	434.00
	SN	1.10
	2 7/8" x 4' Perf Tbg Sub	4.10
1	Jt. 2 7/8" EUE 8R J-55 Tbg	31.20
	Bull Plug	0.50
132	Bottom Of String >>	4112.62

CIBP @ 5600'
(No cmt on top)

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COTD: 5600'
PBTD: 5600'
TD: 7250'

Updated: 12/20/2007

By: A. M Howell

Perfs:	Status:
3719-28'	Grayburg - Open
3735-39'	Grayburg - Open
3745-55'	Grayburg - Open
3768-74'	Grayburg - Open
3786-96'	Grayburg - Open
3819-26'	Grayburg - Open
3832-36'	Grayburg - Open
3844-51'	Grayburg - Open
3857-61'	Grayburg - Open
3867-73'	Grayburg - Open
3877-84'	Grayburg - Open
3900-10'	Grayburg - Open
3931-35'	Grayburg - Open
3948-58'	Grayburg - Open
3962-70'	Grayburg - Open
3973-80'	Grayburg - Open
3984-94'	Grayburg - Open

Perfs:	Status:
5679-81'	Blinebry - Open
5698-5702'	Blinebry - Open
5712-19'	Blinebry - Open
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5745-47'	Blinebry - Open
5758-65'	Blinebry - Open
5773-81'	Blinebry - Open
5788-95'	Blinebry - Open
5812-16'	Blinebry - Open
5843-45'	Blinebry - Open
5868-72'	Blinebry - Open
6116-6250'	Tubb - Open
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6571-97'	Drinkard - Below CIBP
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6723-28'	6990-96'	Abo - Below CIBP
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6758-62'	7004-15'	Abo - Below CIBP
6884-94'	7028-30'	Abo - Below CIBP
6902-04'	7040-43'	Abo - Below CIBP
6907-10'	7048-54'	Abo - Below CIBP
6918-32'	7062-72'	Abo - Below CIBP
6940-42'	7096-7102'	Abo - Below CIBP
6948-53'	7120-32'	Abo - Below CIBP
6956-58'	7142-44'	Abo - Below CIBP
6961-71'		Abo - Below CIBP

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