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-101
June 16, 2008

Submit to appropriate District Office

☐ AMENDED REPORT

RECEIVED
MAY 14 2010
HOBBSOCD

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 – 025-10187 ✓

[3] Property Code	[5] Property Name	[6] Well No.
29909	BAKER "B"	6

[9] Proposed Pool 1	[10] Proposed Pool 2
WANTZ ABO ✓	

[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
M	10	22-S	37-E		510	SOUTH	510	WEST	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
PLUGBACK ✓	O		S ✓ P	3412' GL
[16] Multiple	**[17] Proposed Depth**	**[18] Formation**	**[19] Contractor**	**[20] Spud Date**
NO	7582'	ABO		

[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 zone Describe the blowout prevention program, if any Use additional sheets if necessary

CHEVRON U S A INC INTENDS TO RECOMPLETE THE SUBJECT WELL INTO THE WANTZ ABO FORMATION.

PLEASE FIND ATTACHED, THE INTENDED PROCEDURE, WELLBORE DIAGRAM, C-102 PLAT, & C-144 PIT INFORMATION

Permit Expires 2 Years From Approval Date Unless ~~Drilling~~ Underway
Plugback

[23] 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:	OIL CONSERVATION DIVISION
DENISE PINKERTON	Approved by:
Title: REGULATORY SPECIALIST	Title: PETROLEUM ENGINEER
E-mail Address: leakejd@chevron.com	Approval Date: MAY 18 2010 / Expiration Date:
Date: 05-13-2010 / Phone: 432-687-7375	Conditions of Approval Attached ☐

Baker B # 6
Drinkard Field
T22S, R37E, Section 10
Job: Recomplete In Abo Formation

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 5/3/2010. 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/1000 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.

4. POH scanaloging 2 3/8" tbg string. LD all tbg except yellow band.

5. PU and GIH with 4 ¾" MT bit on 2 7/8" L-80 work string to PBTD at 6738'. POH with work string and 4 ¾" bit. LD bit. **Note: If fill is found covering any perfs, cleanout to below perfs using bailer.**

6. PU & GIH with tbg-set CICR on 2 7/8" work string to approximately 6375'. Set CICR at 6375'. Pressure test casing and CICR to 350 psi. **Note: Do not exceed 350 psi casing pressure due to cmt sqzd perfs at 3195'.** Pressure test work string against CICR to 2000 psi. Sting into CICR at 6375'. Establish injection rate into perfs 6415-6540' using 8.6 PPG cut brine water. Report pump-in rate and pressure to Remedial Engineer for cement slurry design.

7. RU DS Services cementing equipment. Cement squeeze perfs 6415-6540' using Class C cement mixed to 14.6 PPG w/ 1.35 CFY. Attempt to achieve at least 1500 psi final squeeze pressure. Sting out of CICR. Reverse out excess cement. POH with 2 7/8" work string and stinger. LD stinger. RD and release DS Services cementing equipment. Shut well in and WOC overnight.

8. Open well. PU and GIH with 4 ¾" MT bit on 2 7/8" work string to top of CICR at 6375'. LD and drill out CICR and cement in 5 ½" casing. Reverse circulate well clean using 8.6

PPG cut brine water. Pressure test casing and sqz perfs to 500 psi. If perfs leak, repeat cmt sqz procedure. **Note: Since well is a producer, a slight pressure loss is acceptable.**

9. Lower down and drill out CIBP at 6738'. LD and cleanout 5 ½" casing to 7550'. Reverse circulate well clean from 7550' using 8.6 PPG cut brine water. **Note: If circulation is lost after drilling out CIBP at 6738', attempt to push CIBP remains to 7550'. If cannot, MI&RU air unit and cleanout to 7550' using foam.**

10. POH with 2 7/8" work string and 4 ¾" bit. LD bit.

11. MI & RU Baker Atlas electric line unit. Install lubricator and test to 2000 psi. GIH and set CIBP at 7500'. POH. Pressure test casing and CIBP to 350 psi. GIH and conduct GR-CNL-CCL log from 7500' up to 2500'. POH. Send log to Caleb Osborn, COFT@chevron.com, for picking new perfs. **Note: The following perfs are approximate and will be adjusted after receiving new GR-CNL-CCL log.** GIH with 3 3/8" RHSC Gunslinger casing guns (0.42" EH & 47" penetration) and perforate from 6631-40', 6669-77', 6685-90', 6695-6700', 6704-14', 6731-39', 6767-81', 6788-95', 6818-22', 6829-35', 6837-43', 6855-65', 6875-82', 6885-6900', 6908-15', 6960-65', 6982-88', 6995-7005', and 7059-65' with 2 JSPF at 120 degree phasing, using 25 gram premium charges. POH. GIH and dump bail 35' of cement on top of CIBP at 7500'. POH. RD & release electric line unit. **Note: Do not exceed 350 psi csg pressure due to cmt sqzd perfs at 3195' and 6415-6540'. Also, use Schlumberger SP-Resistivity Log dated 2/26/1947 for depth correlation.**

12. PU & GIH with 5 ½" Arrow-Set 10K treating pkr on 2 7/8" work string to approximately 6500', testing to 8500 psi while GIH. Set pkr at 6500'.

13. MI & RU DS Services. Acidize perfs 6631-7065' with 7,500 gals antisludge 20% HCl acid ** at a maximum rate of **8 BPM** and a maximum surface pressure of **8000 psi**. Spot acid to bottom of 2 7/8" tbg. Displace acid with 2% KCl water -- do not overdisplace. Drop 350 1.3 sp.gr. ball sealers evenly dispersed throughout acid. Record ISIP, 5, 10, & 15 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.**

** 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

14. Bleed off pressure. Release pkr. LD to 7100' with pkr to wipe balls off perfs. PUH and reset pkr at 6500'. Pressure test csg to 350 psi.

15. Open well. GIH and 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.**

16. MI & RU DS Services. Acid-frac perfs 6631-7065' down 2 7/8" tbg at **20 BPM** with 15,000 gals antisludge 20% HCl acid ** and 21,000 gals 40# gelled 2% KCl water *** at a maximum surface pressure of **8000 psi**. Pump job as follows:

    Pump 1,000 gals acid at 20 BPM
    Pump 1,500 gals 40# gelled 2% KCl water at 20 BPM
    Pump 1,000 gals acid at 20 BPM
    Pump 1,500 gals 40# gelled 2% KCl water at 20 BPM
    Pump 1,000 gals acid at 20 BPM
    Pump 1,500 gals 40# gelled 2% KCl water **with 35 - 1.3 sp.gr. ball sealers** at 20 BPM
    Pump 1,000 gals acid at 20 BPM
    Pump 1,500 gals 40# gelled 2% KCl water at 20 BPM
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    Pump 1,500 gals 40# gelled 2% KCl water at 20 BPM
    Pump 1,000 gals acid at 20 BPM
    Pump 1,500 gals 40# gelled 2% KCl water at 20 BPM
    Pump 1,000 gals acid at 20 BPM

    Displace acid with 2% KCl water -- do not overdisplace. Record ISIP, 5, 10, & 15 minute SIP's. RD and release DS Services.

** 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

17. Open well. Bleed off pressure. Release pkr. Lower down to 7100' with pkr to wipe balls off perfs. POH LD 2 7/8" work string and pkr.

18. PU and GIH w/ BP mud anchor jt of 2 3/8" tbg, 2 3/8" x 4' perforated sub, SN, 1 jt 2 3/8" EUE 8R J-55 IPC tbg, 17 jts 2 3/8" EUE 8R J-55 tbg, TAC, and 213 jts 2 3/8" EUE 8R J-55 tbg, testing to 5000 psi. Set TAC at 6600', with EOT at 7200' and SN at 7165'.

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

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

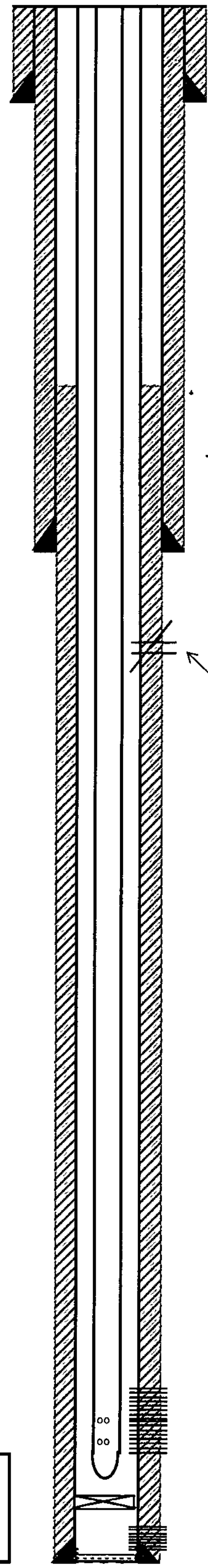
AMH
5/3/2010

Well: Baker B #6 | Field Drinkard | Reservoir: Drinkard

Location:
510' FSL & 510' FWL
Section 10 (SW/4 SW/4)
Township 22S
Range 37E Unit M
County Lea State NM

Current Wellbore Diagram

Well ID Info:
Chevno FB4771
API No 30-025-10187
L5/L6 U41 / 7400
Spud Date 12/22/46
Rig Released 3/22/47
Compl Date 3/25/47



Elevations:
GL 3412
KB 3422
DF 3421

Log Formation Tops	
Rustler	1140
Base Salt	2430
Yates	2590
Queen	3322
Penrose	3433
Grayburg	3555
San Andres	3894
Glorieta	5056
Blinebry	5461
Tubb	5994
Drinkard	6407
Simpson	7330
Ellenburger	7551
Granite	7579

TUBING DETAIL - 2/20/85
RKB correction 10'
213 jts - 2 3/8" tbg(6576 07")
1 2 3/8" SN (1 10')
1 2 3/8" perf sub (4 00')
1 2 3/8" MA (31 65')

SN @ 6587 17 TAC @ 6591 17
EOT @ 6622 82

Surface Csg: 13 3/8" 40 5# Armco
Set: @ 165 w/ 165 sx cmt
Hole Size: 17" TO 165
Circ: Yes **TOC:** Surface
TOC By: Circulation (75 sx)

Intermediate Csg: 8 5/8" 32# H-40
Set: @ 2855 w/ 1200 sx class H cmt
Hole Size: 11" to 2855
Circ: No **TOC:** 510
TOC By: Temperature Survey

Initial Completion:
3/47 (Ellenburger) perf 7556-73 , A/1000 gal 15% , ReA/2000 gal 15%

Subsequent Work
3/50 CIBP @ 6738 , **(Drinkard)** perf 6480-6540 (5 spf) , A/500 gal
9/57 A/2000 gal
[illegible] Attempt F/60000 gal oil & 60000# sd
[illegible] (Drinkard) perf 6415-18, 6422-26, [illegible]
gal 15% , F/40000 gal oil & 60000# sd
[illegible] brought to surface [illegible]
5 1/2" csg brought to surface
[illegible] Perf 5 1/2" csg @ 3195 , sqz/250 sx cmt , TOC @2325 (temp survey
resqz/200 sx class C cmt

Squeeze Perfs @ 3195'

TAC @ 6591 17

Prod. Csg: 5 1/2" 17# J-55
Set: @ 7560 w/500 sx cmt
Hole Size: 6 1/2" to 7562
Circ: No **TOC:** 2325
TOC By: Temperature Survey

Perfs	Status
6415-18, 6422-26, 6431-33,	Drinkard - open
6457-60	Drinkard - open
6480-6540	Drinkard - open

CIBP set @ 6738

7556-73	Ellenburger - closed

TD: 7562 **COTD:** 7560 **PBTD:** 6738

Updated: 10-12-04 by WAYN

By W P Johnson

Well Baker B #6 | Field: Wantz | Reservoir: Abo

62700

Proposed Wellbore Diagram

Location:
510' FSL & 510' FWL
Section 10 (SW/4 SW/4)
Township 22S
Range 37E Unit M
County Lea State NM

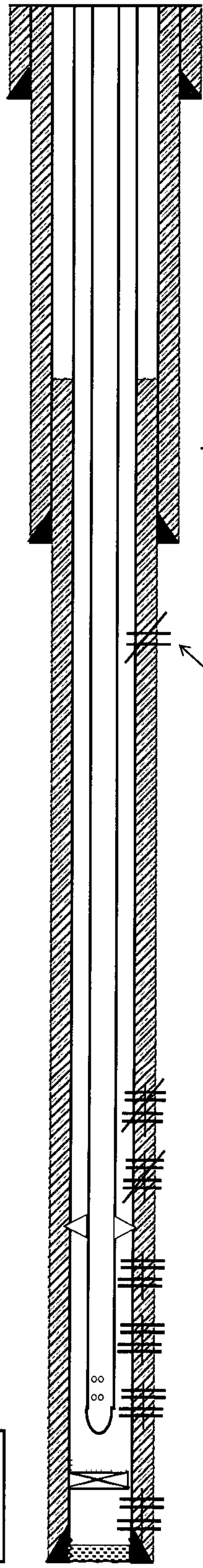
Well ID Info:
Chevno FB4771
API No 30-025-10187
L5/L6 U41 / 7400
Spud Date 12/22/46
Rig Released 3/22/47
Compl Date 3/25/47

Elevations:
GL 3412
KB 3422
DF 3421

Surface Csg: 13 3/8" 40 5# Armco
Set: @ 165 w/ 165 sx cmt
Hole Size: 17" TO 165
Circ: Yes **TOC:** Surface
TOC By: Circulation (75 sx)

Intermediate Csg: 8 5/8" 32# H-40
Set: @ 2855 w/ 1200 sx class H cmt
Hole Size: 11" to 2855
Circ: No **TOC:** 510
TOC By: Temperature Survey

Log Formation Tops	
Rustler	1140
Base Salt	2430
Yates	2590
Queen	3322
Penrose	3433
Grayburg	3555
San Andres	3894
Glorieta	5056
Blinebry	5461
Tubb	5994
Drinkard	6407
Simpson	7330
Ellenburger	7551
Granite	7579



Initial Completion:
3/47 (Ellenburger) perf 7556-73 , A/1000 gal 15% , ReA/2000 gal 15%

Subsequent Work
3/50 CIBP @ 6738 , **(Drinkard)** perf 6480-6540 (5 spf) , A/500 gal
9/57 A/2000 gal
[illegible]
[illegible]
gal 15% , F/40000 gal oil & 60000# sd
[illegible]
5 1/2" csg brought to surface
5/76 Perf 5 1/2" csg @ 3195 , sqz/250 sx cmt , TOC @2325 (temp survey)
resqz/200 sx class C cmt

Squeeze Perfs @ 3195'

TUBING DETAIL - 5/3/2010
RKB correction 10'
213 jts - 2 3/8" tbg(6590 00')
TAC
17 jts - 2 3/8" tbg(530 50')
1 jt - 2 3/8" IPC tbg(31 50')
1 2 3/8" SN (1 10')
1 2 3/8" perf sub (4 10')
1 2 3/8" MA (31 95')

SN @ 7165', TAC @ 6600'
EOT @ 7200'

Perfs	Status
6415-18, 6422-26, 6431-33, 6440-43,	Drinkard - Cement Sqzd
6457-60	Drinkard - Cement Sqzd
6480-6540	Drinkard - Cement Sqzd
6631-40', 6669-77', 6685-90', 6695-6700'	Abo - Open
6704-14', 6731-39', 6767-81', 6788-95'	Abo - Open
6818-22', 6829-35', 6837-43', 6855-65'	Abo - Open
6875-82', 6885-6900', 6908-15', 6960-65'	Abo - Open
6982-88', 6995-7005', 7059-65'	Abo - Open
CIBP set @ 7500' (35' cmt on top)	
7556-73	Ellenburger - Below CIBP

Prod. Csg: 5 1/2" 17# J-55
Set: @ 7580 w/500 sx cmt
Hole Size: 6 1/2" to 7582
Circ: No **TOC:** 2325
TOC By: Temperature survey

TD: 7582 **COTD:** 7465' **PBTD:** 7465'

Updated: 5-3-10 by MAHO

By W P Johnson

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

RECEIVED
MAY 14 2010
HOBBSOCD

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

[1] API Number	[2] Pool Code	[3] Pool Name
30-025-10187	62700	WANTZ ABO

[4] Property Code	[5] Property Name	[6] Well Number
	BAKER "B"	6

[7] OGRID No.	[8] Operator Name	[9] Elevation
4323	CHEVRON U.S.A. INC.	3412' GL

[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
M	10	22-S	37-E		510	SOUTH	510	WEST	LEA

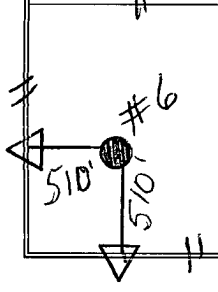
[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
40			

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.

16



[17] OPERATOR CERTIFICATION

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

Denise Pinkerton 05-13-2010

Signature Date

DENISE PINKERTON REGULATORY SPECIALIST

Printed Name

[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 belief

Date of Survey

Signature and Seal of Professional Surveyor

Certificate Number