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 30-025-06940

4 Property Code	5 Property Name	6 Well No.
2690	W.T. MCCOMACK	11

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
A	32	21-S	37-E		554'	NORTH	554'	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
MCCORMACK SILURIAN	

11 Work Type Code	12 WellType Code	13 Rotary or C.T.	14 Lease Type Code	15 Ground Level Elevation
P	O	ROTARY		3473' GL
16 Multiple	**17 Proposed Depth**	**18 Formation**	**19 Contractor**	**20 Spud Date**
No	8318'	SILURIAN		2/28/2006

21 Proposed Casing and Cement Program

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

RECEIVED FEB 2006 Hobbs OCD

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 FIELD AND POOL TO THE MCCORMACK SILURIAN RESERVOIR.

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

THE INTENDED PROCEDURE, AND CURRENT AND PROPOSED WELLBORE DIAGRAMS ARE 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 2/16/2006 Telephone 432-687-7375

OIL CONSERVATION DIVISION

Approved By:

Title: PETROLEUM ENGINEER

Approval Date: MAR 01 2006 Expiration Date:

Conditions of Approval:
Attached ☐

DeSoto/Nichols 3-94 ver 1.10

W. T. McComack # 11
McCormack Silurian Field
T21S, R37E, Section 32
Job: Recomplete Well In Silurian Formation And Install Sub Pump

Procedure:

1. 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.

2. MI & RU pulling 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 to 1000 psi. POH LD 2 3/8" tbg string.

3. PU and GIH with 6 ¼" MT bit and 2 7/8" work string to PBTD at 6650'. POH with 2 7/8" work string and bit. LD bit.

4. PU & GIH with 7" sqz pkr on 2 7/8" work string to 5350', testing to 5500 psi. Set pkr at 5350'. Pressure test pkr and csg to 500 psi. Leave pressure on casing while cmt squeezing. Establish injection rate into perfs 5585-5900'.

5. RU DS Services cementing equipment. Cement squeeze perfs 5585-5900' using Class C cement mixed to 14.8 PPG w/ 1.35 CFY. Attempt to achieve at least 2000 psi squeeze pressure. Release pkr. Reverse out excess cement. PUH to approximately 5000'. Reset pkr at 5000' and pressure tbg and csg to 500 psi. RD and release DS Services cementing equipment. Shut well in and WOC overnight.

6. Open well. Bleed off pressure. POH with 2 7/8" work string and sqz packer. LD pkr.

7. PU and GIH with 6 ¼" MT bit on 2 7/8" tbg string to top of cement in csg at 5350'. LD and drill out cement to 6000'. Reverse circulate well clean from 6000' using 8.6 PPG cut brine water. Pressure test casing and sqzd perfs to 500 psi. If perfs leak, repeat cmt sqz procedure. **Note: Since well is a producer, a slight pressure loss is acceptable.** LD and cleanout 7" casing to PBTD at 6650'. Drill out CIBP's at 6650' and 7086'. LD and cleanout 7" casing to 7200'. Reverse circulate well clean from 7200', if possible. LD and tag bottom. POH with 2 7/8" work string and bit. LD bit.

8. MI & RU Baker Atlas electric line unit. Install lubricator and test to 1000 psi. GIH and conduct GR/CBL/CCL from COTD up to 100' above top of cement. Run log with 250 psi. POH. Inspect logs for good cement bond from approximately 7200' up to 6900'. If bond does not appear to be good across proposed completion interval,

discuss with Engineering before proceeding. **Note: Fax log to Engineering and discuss results before perforating.** GIH with 3 3/8" Predator casing gun and perforate from 7135-45' with 4 JSPF at 120 degree phasing, using 32 gram premium charges. POH. RD & release electric line unit.

9. PU & GIH 7" treating pkr on 2 7/8" work string to approximately 6650'. Set pkr at 6650'. Pressure test pkr and csg to 250 psi. **Note: Do not exceed 350 psi casing pressure due to cmt sqzd perfs at 5585-5900'.**

10. MI & RU DS Services. Acidize perfs 7135-60' with 3,000 gals antisludge 15% HCl acid *** at a maximum rate of **4 BPM** and a maximum surface pressure of **3500 psi**. Pump job as follows:

    Pump 1,000 gals acid at 4 BPM
    Pump 500 gals gelled 10 PPG brine containing 500 lbs GRS at 4 BPM
    Pump 1,000 gals acid at 4 BPM
    Pump 500 gals gelled 10 PPG brine containing 500 lbs GRS at 4 BPM
    Pump 1,000 gals acid at 4 BPM

    Displace acid with 8.6 PPG cut brine water -- do not overdisplace. Record ISIP, 5, 10, & 15 minute SIP's. RD and release DS Services. **Note: It is not necessary to pickle tbg due to the low BHP.**

*** 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

11. Open well and flow/swab back spent treatment fluids. Recover 100% of spent acid and load before SI well for the night. Report oil cut, recovered fluid volumes, pressures, and/or swabbing fluid levels. **Note: Discuss swab results with Engineering before continuing with procedure.**

12. Release pkr. POH with 2 7/8" work string and pkr. LD packer. PU and GIH with 6 ¼" MT bit on 2 7/8" work string to 7200'. Reverse circulate well clean from 7200' using 8.6 PPG cut brine water, if possible. POH with 2 7/8" work string and bit. LD bit.

13. PU & GIH 7" treating pkr on 2 7/8" work string to approximately 6650'. Set pkr at 6650'. Pressure test pkr and csg to 350 psi.

14. Open well. MI & RU pump truck. Pump down tbg with 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 at **5 BPM** and **2500 psi maximum pressure**. RD and release pump truck. Release PPI pkr. POH LD 2 7/8" work string and packer.

15. PU and GIH w/ Centrilift sub pump assembly, drain sub, 2 7/8" x 6' IPC/EPC tbg sub, SN, 50 jts 2 7/8" EUE 8R J-55 IPC/EPC tbg and 174 jts 2 7/8" EUE 8R J-55 IPC tbg, testing to 5000 psi. Suspend tbg with bottom of sub pump assembly at approximately 7000'. **Note: Sub pump and bottom of tbg string will be in extremely corrosive environment. Entire sub pump assembly and bottom 1500' of cable must be monel coated. Also, bottom 50 jts of 2 7/8" tbg string will be externally coated with Ryt-Wrap and entire tbg string will be IPC.**

16. Remove BOP's and install WH. RD & release pulling unit.

17. Turn well over to production. Report producing rates and fluid levels. Install slip-stream treating line from flowline to casing. Also, install coupon loop on flowline. Contact Tim Gray and implement attached chemical treating program on well. Install scale coupons in flowline.

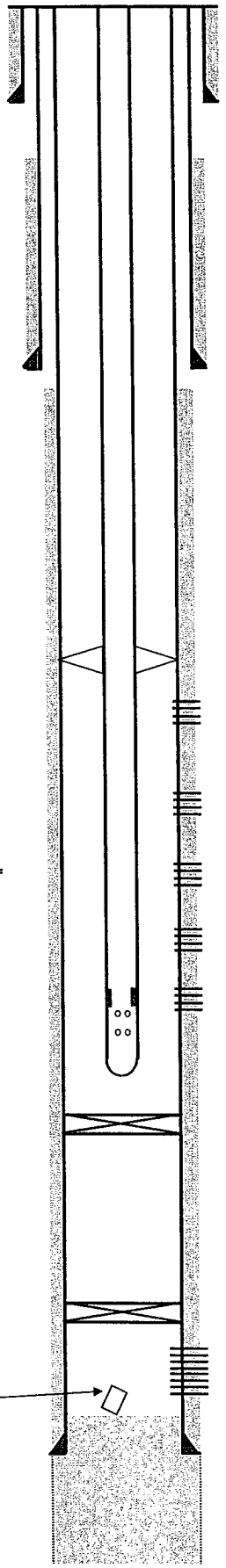
AMH
2/15/2006

Well: **W. T. McComack # 11** Field: **Blinebry O&G** Reservoir: **Blinebry**

Location:
554' FNL & 554' FEL
Section: 32
Township: 21S
Range: 37E Unit: A
County: Lea State: NM

Elevations:
GL: 3473'
KB: 3484'
DF: 3483'

CURRENT
Wellbore Diagram



Well ID Info:
Chevno: FA8037
API No: 30-025-06940
L5/L6: U463200
Spud Date: 8/24/47
Compl. Date: 11/24/47

Surf. Csg: 13 3/8" 48#, SS
Set: @ 318' w/300 sx cmt
Hole Size: 17 1/4"
Circ: Yes **TOC:** Surface
TOC By: Circulated

Interm. Csg: 9 5/8" 36#, SS
Set: @ 2850' w/ 1300 sx cmt
Hole Size: 12 1/4"
Circ: No **TOC:** 1690'
TOC By: Temperature Survey

Tubing Detail:

#Jts:	Size:	Footage
	KB Correction	11.00
190	Jts. 2 3/8" EUE 8R J-55 Tbg	5875.85
	TAC	2.90
6	Jts. 2 3/8" EUE 8R J-55 Tbg	213.61
1	Jt. 2 3/8" EUE 8R J-55 IPC Tbg	31.03
	SN	1.10
	2 3/8" x 4' Perf Tbg Sub	4.10
1	Jt. 2 3/8" EUE 8R J-55 Tbg	30.92
	Bull Plug	0.50
198	**Bottom Of String >>**	6171.01

Perfs:	Status
5585'	Blinebry - Open
5600'	Blinebry - Open
5628'	Blinebry - Open
5638'	Blinebry - Open
5688'	Blinebry - Open
5710'	Blinebry - Open
5730'	Blinebry - Open
5744'	Blinebry - Open
5805'	Blinebry - Open
5710'	Blinebry - Open
5730'	Blinebry - Open
5744'	Blinebry - Open
5765'	Blinebry - Open
5805'	Blinebry - Open
5828'	Blinebry - Open
5858'	Blinebry - Open
5873'	Blinebry - Open
5892'	Blinebry - Open
5900'	Blinebry - Open

CIBP @ 6650'
(No cmt on top)

CIBP @ 7086'
(No cmt on top, CIBP will not hold pressure)

SV @ 7221'
(Went thru SN while tst tbg, presumed on bottom)

7145-60' Silurian - Below CIBP

Prod. Csg: 7", 23#, J-55
Set: @ 7270' w/ 800 sx cmt
Hole Size: 8 3/4"
Circ: No **TOC:** 3865'
TOC By: Temperature Survey

TD 8318

45410

Well: **W. T. McComack # 11** Field: **McCormack Silurian** Reservoir: **Silurian**

Location:
554' FNL & 554' FEL
Section: 32
Township: 21S
Range: 37E Unit: A
County: Lea State: NM

Elevations:
GL: 3473'
KB: 3484'
DF: 3483'

Proposed
Wellbore Diagram

Well ID Info:
Chevno: FA8037
API No: 30-025-06940
L5/L6: U920100
Spud Date: 8/24/47
Compl. Date: 11/24/47

Surf. Csg: 13 3/8" 48#, SS
Set: @ 318' w/300 sx cmt
Hole Size: 17 1/4"
Circ: Yes **TOC:** Surface
TOC By: Circulated

Prop code 2690

Interm. Csg: 9 5/8" 36#, SS
Set: @ 2850' w/ 1300 sx cmt
Hole Size: 12 1/4"
Circ: No **TOC:** 1690'
TOC By: Temperature Survey

Tubing Detail:

#Jts:	Size:	Footage
	KB Correction	11.00
224	Jts. 2 7/8" J-55 Cl. 'B'	6947.30
	2 7/8" x 6' Tbg Sub	6.00
	Drain Valve	0.55
	Centrilift Sub Pump	35.41
224	**Bottom Of Mtr >>**	7000.26

Perfs:	Status
5585'	Blinebry - Cmt Sqzd
5600'	Blinebry - Cmt Sqzd
5628'	Blinebry - Cmt Sqzd
5638'	Blinebry - Cmt Sqzd
5688'	Blinebry - Cmt Sqzd
5710'	Blinebry - Cmt Sqzd
5730'	Blinebry - Cmt Sqzd
5744'	Blinebry - Cmt Sqzd
5805'	Blinebry - Cmt Sqzd
5710'	Blinebry - Cmt Sqzd
5730'	Blinebry - Cmt Sqzd
5744'	Blinebry - Cmt Sqzd
5765'	Blinebry - Cmt Sqzd
5805'	Blinebry - Cmt Sqzd
5828'	Blinebry - Cmt Sqzd
5858'	Blinebry - Cmt Sqzd
5873'	Blinebry - Cmt Sqzd
5892'	Blinebry - Cmt Sqzd
5900'	Blinebry - Cmt Sqzd

SV @ 7221'
(Went thru SN while tst tbg, presumed on bottom)

7135-45'	Silurian - Open
7145-60'	Silurian - Open

Prod. Csg: 7", 23#, J-55
Set: @ 7270' w/ 800 sx cmt
Hole Size: 8 3/4"
Circ: No **TOC:** 3865'
TOC By: Temperature Survey

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Revised February 10,199
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Fee Lease - 3 Copie
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number	2 Pool Code	3 Pool Name
30-025-06940	45410	MCCORMACK SILURIAN

4 Property Code	5 Property Name	6 Well No.
2690	W.T. MCCOMACK	11

7 OGRID Number	8 Operator Name	9 Elevation
4323	CHEVRON USA INC	3473' GL

10 Surface Location

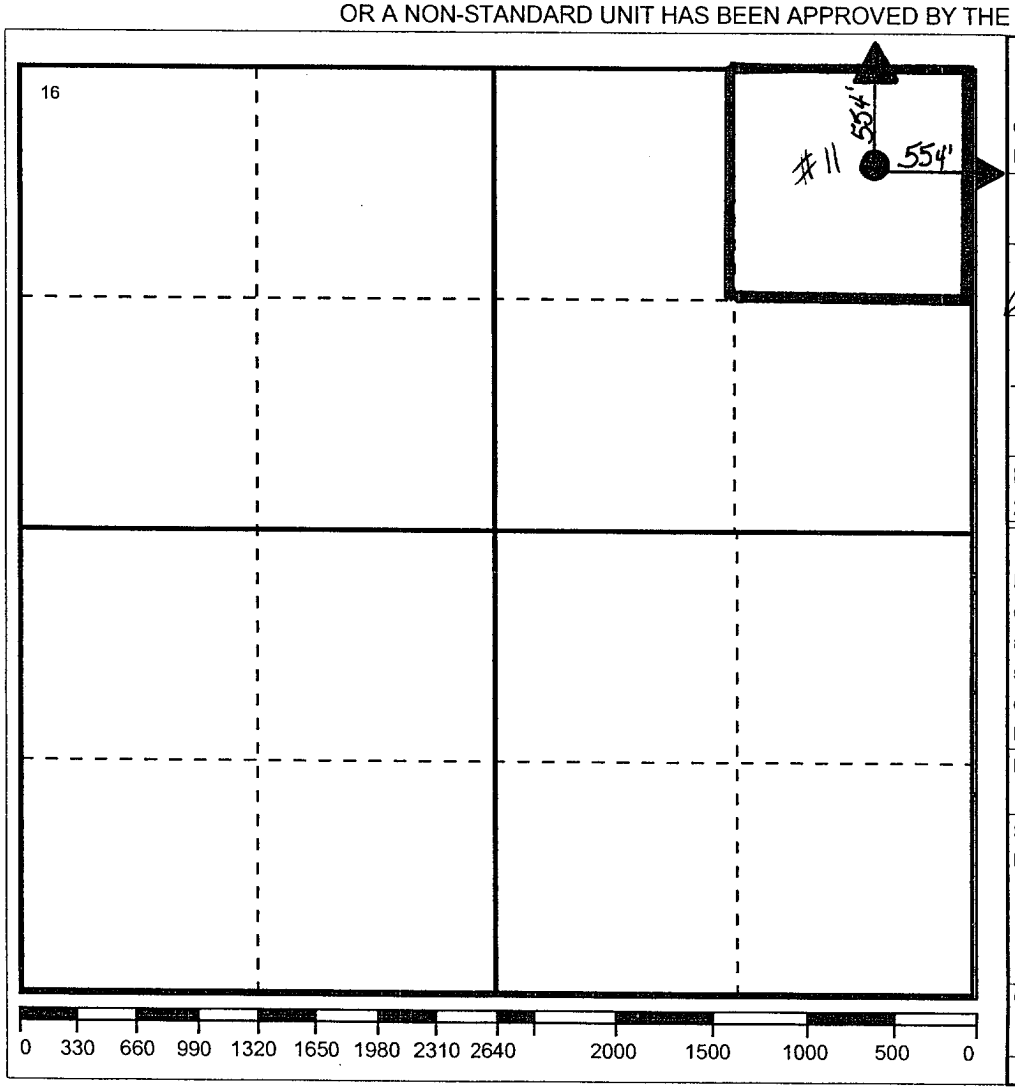
Ul or lot no	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
A	32	21-S	37-E		554'	NORTH	554'	EAST	LEA

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: 2/16/2006

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:** Wed 3/1/2006 9:08 AM
To: Mull, Donna, EMNRD
Cc:
Subject: RE: Financial Assurance Requirement
Attachments:

Donna, Paladin has 9 Inactive wells and it owns 61 wells and they are allowed to have only 2 inactive wells - I am asking Gail about this one also.

Pogo has 719 wells and are allowed 7 wells and they have 15 inactive and are purchsing 23 inactive from Arch but they do not appear on Jane's list. I have asked Gail about Pogo to see if she has contacted them. The system has been updated so that whenever an operator tries to do an operator change if they are out of compliance with Rule 40 a Warning appears that they are out of compliance and to contact me. I refer them either to Gail or Daniel. They let me know when to proceed with the operator change. However, Pogo submitted the name change before this was in place. Will let you know what Gail says. All the rest are okay.

From: Mull, Donna, EMNRD
Sent: Wednesday, March 01, 2006 7:42 AM
To: Phillips, Dorothy, EMNRD
Subject: Financial Assurance Requirement

Dorothy, These Operators have Intent to drill in District 1 for approval:

Trilogy Operating Inc, (21602)
Range Operating New Mexico Inc. (227588)
Marbob Energy Corp. (14049)
Paladin Energy Corp. (164070)
Energen Resources Corp (162928)
Marathon Oil Co. (14021)
BTA Oil Producers (3002)
Northstar Operating Co. (152527)
EverQuest Energy Corp (212929)
Yates Petroleum Corp (35575)
Arch Petroleum Inc, (962)
Chevron USA Inc (4323)
Pogo Producing Co. (17891)

Please check if the Financial Assurance Requirements are OK for these operators to drill. Thanks Donna