Submit 3 Copies To Appropriate District Office
District I
1625 N French Dr , Hobbs, NM 88240
District II
1301 W Grand Ave , Artesia, NM 88210
District III
1000 Rio Brazos Rd , 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-103
May 27, 2004

WELL API NO.
30-025-25246

5. Indicate Type of Lease STATE ☐ FEE ☑

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS)

7. Lease Name or Unit Agreement Name
H.T. MATTERN NCT-B

1. Type of Well: Oil Well ☑ Gas Well ☐ Other

8. Well Number 22

2. Name of Operator
CHEVRON U.S.A. INC.

9. OGRID Number 4323

3. Address of Operator
15 SMITH ROAD, MIDLAND, TEXAS 79705

10. Pool name or Wildcat
BLINEBRY OIL AND GAS

4. Well Location
Unit Letter B: 785 feet from the NORTH line and 2310 feet from the EAST line
Section 31 Township 21-S Range 37-E NMPM County LEA

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type_____ Depth to Groundwater_____ Distance from nearest fresh water well_____ Distance from nearest surface water_____

Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
OTHER: SHUT OFF WTR PROD, ACIDIZE, INSTALL ROD PUMP				OTHER:			☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

CHEVRON U.S.A. INC. INTENDS TO SHUT OFF WTR PRODUCTION, ACIDIZE, & INSTALL ROD PUMP EQUIPMENT IN THE SUBJECT WELL.

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

RECEIVED
MAR 25 2008
HOBBS OCD

I hereby certify that the information above is true and complete to the best of my knowledge and belief. **I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.**

SIGNATURE Denise Pinkerton TITLE Regulatory Specialist DATE 03-24-2008

Type or print name Denise Pinkerton E-mail address: leakejd@chevron.com Telephone No. 432-687-7375

For State Use Only

APPROVED BY: [signature] TITLE Geologist DATE MAR 31 2008

Conditions of Approval (if any):

H. T. Mattern (NCT-B) # 22
Blinebry Oil & Gas Field
T21S, R37E, Section 31
Job: Shut-off Water, Acidize, And Install Rod Pump Equipment

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 3/20/2008. 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 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 pulling unit. Bleed pressure from well, if any. Pump down csg with 8.6 PPG cut brine water, if necessary to kill well. Remove WH. Install BOP's and test as required. POH with 2 7/8" tbg string.

4. PU and GIH with 4 ¾" MT bit and 2 7/8" work string to top of fill in 5 ½" casing at 6124'. MI & RU air unit. Establish circulation using foam and lower down and cleanout to PBTD at 6450'. Circulate well clean from 6450' using foam. POH with 2 7/8" work string and bit. LD bit. RD & release air unit.

5. PU & GIH 5 ½" RBP and pkr on 2 7/8" work string to approximately 6000'. Set RBP at 6000'. PUH and set pkr at 5745'.

6. GIH and swab test perfs 5757-5962'. Report oil cut, recovered fluid volumes, pressures, and/or swabbing fluid levels. **Note: Discuss swab results with Engineering before continuing with procedure.**

7. Open well. Bleed off pressure, if any. Release pkr. Lower down and engage RBP at 6000'. Release RBP. PUH and reset RBP at 5745'. PUH and set pkr at 5605'.

8. GIH and swab test perfs 5620-5738'. Report oil cut, recovered fluid volumes, pressures, and/or swabbing fluid levels. **Note: Discuss swab results with Engineering before continuing with procedure.**

9. Open well. Bleed off pressure, if any. Release pkr. LD and engage RBP at 5745'. Release RBP. PUH and reset RBP at 5605'. PUH and set pkr at 5400'.

10. GIH and swab test perfs 5464-5600'. Report oil cut, recovered fluid volumes, pressures, and/or swabbing fluid levels. **Note: Discuss swab results with Engineering before continuing with procedure.**

11. Open well. Bleed off pressure, if any. Release pkr. LD and engage RBP at 5605'. Release RBP. POH with 2 7/8" work string, packer, and RBP. LD RBP.

12. MI & RU Baker Atlas electric line unit. Install lubricator and test to 2000 psi. GIH and dump bail 35' of cement on top of CIBP at 6450'. POH. GIH and set CIBP at 5610'. POH. RD & release electric line unit. **Note: Use casing collars from Welex Gamma-Collar Perforation Record Log dated 3/17/76 for depth correlation.**

13. PU and GIH w/ 5 ½" PPI pkr (with 10' element spacing) and SCV on 2 7/8" work string to approximately 5600'. Test tbg to 5500 psi while GIH.

14. MI & RU DS Services. Acidize perfs 5464-5600' with 2,700 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
5592-5600'	400 gals	1 BPM	5591-5601'
5566-74'	400 gals	1 BPM	5565-75'
5552-60'	400 gals	1 BPM	5551-61'
5540-46'	300 gals	1 BPM	5538-48'
5520-28'	400 gals	1 BPM	5519-29'
5494-5502'	400 gals	1 BPM	5493-5503'
5464-72'	400 gals	1 BPM	5463-73'

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

15. Release PPI pkr and PUH to approximately 5450'. Set PPI pkr at 5450'. 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. Open well. Release PPI pkr. POH with 2 7/8" work string and PPI packer. LD 2 7/8" work string and PPI tool.

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, 3 jts 2 7/8" EUE 8R J-55 tbg, TAC, and 171 jts 2 7/8" EUE 8R J-55 tbg, testing to 5000 psi. Set TAC at 5395', with EOT at 5560' and SN at 5525'.

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. **Note: Well has a severe FeS problem. Consult with ALS and Baker Petrolite Rep. regarding chemical program and the possible need for continuous injection down casing with surfactant.**

AMH
3/20/08

Well. **H. T. Mattern (NCT-B) # 22** Field: **Blinebry O&G** Reservoir: **Blinebry**

Current
Wellbore Diagram

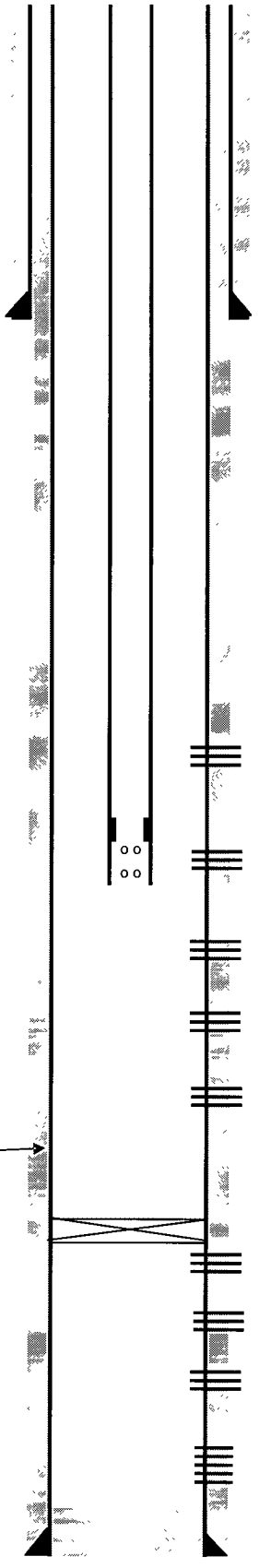
Location:
785' FNL & 2310' FEL
Section 31
Township 21S
Range 37E Unit B
County Lea State NM

Elevations:
GL: 3496'
KB 3506'
DF 3505'

Well ID Info:
Chevno EO9092
API No: 30-025-25246
L5/L6. U463000
Spud Date.2/29/76
Compl. Date:3/29/76

Surf. Csg: 8-5/8", 24#, K-55
Set: @ 1205' w/500 sx cmt
Size of hole: 11"
Circ: Yes **TOC:** Surface
TOC By: Circulated

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.



Tubing Detail:

#Jts:	Size:	Footage
	KB Correction	10 00
176	Jts 2 7/8" J-55 Cl 'B'	5547 98
	SN	1 10
	2 7/8" x 4' Perf Tbg Sub	4 10
176	Bottom Of String >>	5563.18

Perfs	Status
5464-72'	Blinebry - Open
5494-5502'	Blinebry - Open
5520-28'	Blinebry - Open
5540-46'	Blinebry - Open
5552-60'	Blinebry - Open
5566-74'	Blinebry - Open
5592-5600'	Blinebry - Open
5620-28'	Blinebry - Open
5645-53'	Blinebry - Open
5660-68'	Blinebry - Open
5676-84'	Blinebry - Open
5696-5704'	Blinebry - Open
5718-22'	Blinebry - Open
5732-38'	Blinebry - Open
5757-65'	Blinebry - Open
5784-92'	Blinebry - Open
5824-32'	Blinebry - Open
5868-76'	Blinebry - Open
5954-62'	Blinebry - Open

Fill In Csg @ 6124'

CIBP @ 6450'
(No cmt on top)

Perfs	Status
6492-94'	Drinkard - Below C
6546-48'	Drinkard - Below C
6596-98'	Drinkard - Below C
6648-50'	Drinkard - Below C
6696-98'	Drinkard - Below C

COTD 6124'
PBTD: 6450'
TD: 6808'

Prod. Csg: 5-1/2", 15.5# K-55
Set: @ 6808' w/925 sx cmt
Size of hole: 7-7/8"
Circ: Yes **TOC:** Surface
TOC By: Circulated

Updated: 3/20/08

By: A M. Howell

matternb22 wb diagram.xls

Well. **H. T. Mattern (NCT-B) # 22** Field **Blinebry O&G** Reservoir: **Blinebry**

Proposed
Wellbore Diagram

Location:
785' FNL & 2310' FEL
Section: 31
Township: 21S
Range: 37E Unit: B
County. Lea State: NM

Well ID Info:
Chevno· EO9092
API No· 30-025-25246
L5/L6· U463000
Spud Date.2/29/76
Compl. Date:3/29/76

Elevations:
GL: 3496'
KB. 3506'
DF· 3505'

Surf. Csg: 8-5/8", 24#, K-55
Set: @ 1205' w/500 sx cmt
Size of hole: 11"
Circ: Yes **TOC:** Surface
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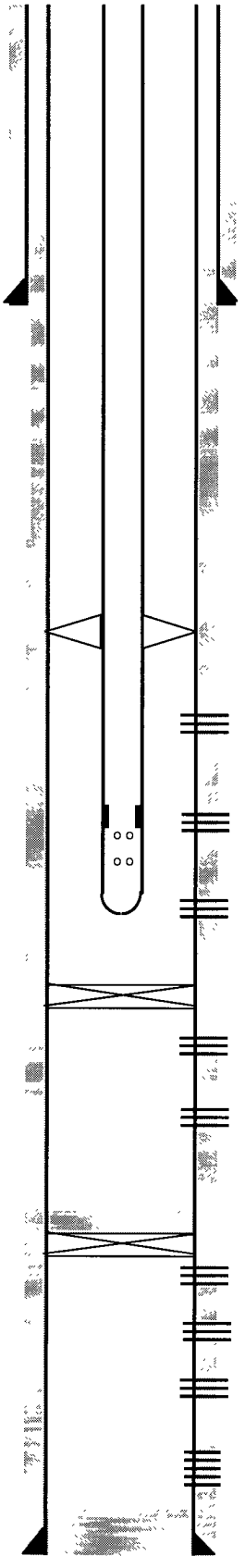

Tubing Detail:

#Jts:	Size:	Footage
	KB Correction	10 00
171	Jts 2 7/8" EUE 8R J-55 Tbg	5386 32
	TAC	2 70
3	Jts 2 7/8" EUE 8R J-55 Tbg	94 57
1	Jts 2 7/8" EUE 8R J-55 IPC Tbg	32 35
	SN	1 10
	2 7/8" x 4' Perf Tbg Sub	4 10
1	Jt 2 7/8" EUE 8R J-55 Tbg	27 82
	Bull Plug	0 50
176	**Bottom Of String >>**	**5559.46**

Perfs	Status
5464-72'	Blinebry - Open
5494-5502'	Blinebry - Open
5520-28'	Blinebry - Open
5540-46'	Blinebry - Open
5552-60'	Blinebry - Open
5566-74'	Blinebry - Open
5592-5600'	Blinebry - Open

CIBP @ 5610'
(No cmt on top)

5620-28'	Blinebry - Below Cl
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5784-92'	Blinebry - Below Cl
5824-32'	Blinebry - Below Cl
5868-76'	Blinebry - Below Cl
5954-62'	Blinebry - Below Cl

CIBP @ 6450'
(35' cmt on top)

Perfs	Status
6492-94'	Drinkard - Below C
6546-48'	Drinkard - Below C
6596-98'	Drinkard - Below C
6648-50'	Drinkard - Below C
6696-98'	Drinkard - Below C

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