Submit 1 Copy To Appropriate District Office
District I – (575) 393-6161
1625 N French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd , Aztec, NM 87410
District IV – (505) 476-3460
1220 S St. Francis Dr., Santa Fe, NM 87505

HOBBS OCD
JAN 27 2012
RECEIVED

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised August 1, 2011

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 NC T-B
1. Type of Well: Oil Well ☒ Gas Well ☐	8. Well Number 22
2. Name of Operator CHEVRON U.S.A. INC.	9. OGRID 4323
3. Address of Operator 15 SMITH ROAD, MIDLAND, TEXAS 79705	10. Pool name or Wildcat BLINEBRY OIL & 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.)*

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 ☐	
DOWNHOLE COMMINGLE ☐			
OTHER: INTENT TO ACIDIZE, SCALE SQUEEZE		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 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

CHEVRON U.S.A. INC. INTENDS TO SONIC HAMMER, ACIDIZE, & SCALE SQUEEZE THE SUBJECT WELL..
PLEASE FIND ATTACHED, THE INTENDED PROCEDURE, WELLBORE DIAGRAMS, AND C-144 INFO.

Spud Date: Rig Release Date:

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

SIGNATURE Denise Pinkerton TITLE: REGULATORY SPECIALIST DATE: 01-26-2012

Type or print name:l DENISE PINKERTON E-mail address: leakejd@cvhevron.com PHONE: 432-687-7375

APPROVED BY: TITLE PETROLEUM ENGINEER DATE JAN 30 2012
Conditions of Approval (if any):

JAN 30 2012

H.T. Mattern NCT-B #22 (30-025-25246) **11.2.2011**
Blinebry Oil & Gas, Blinebry
T21S, R37E, Section 31
Job: Sonic Hammer, Acidize & Scale Squeeze

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 11/1/2011. 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. Verify that well does not have pressure or flow. If well has pressure, record tubing and casing pressures. Bleed down well; if necessary, kill with cut brine fluid (8.6 ppg).

   - **Caliper elevators and tubular EACH DAY prior to handling tubing/tools. Note in JSA when and what items are callipered within the task step that includes that work.**

3. MI & RU workover unit. POOH w/ rods & pump. ND wellhead, unset TAC, NU BOP, (TAC 5,422', Top Perf 5,464', EOT 5,454', PBTD 6,133' *fill*). POOH while scanning 2-7/8" prod tbg. LD all non-yellow band joints. Strap pipe out of the hole to verify depths.

4. When tubing is out of hole, check tubing, rods and PCP for signs of scale. **Contact Steve Jackson (432.687.7271) and Derek Nash (432.687.7506) to determine if acid job and/or scale sqz would be beneficial.** If acid and scale sqz is required continue to step 5, if acid and scale sqz is not required skip to step 12.

5. PU and GIH with 4 ¾" MT bit, float & float sub, and 6 – 3 ½" DC's on new 2 7/8" tbg. If no fill was tagged above 5,980' skip to step 7.

   - **Caliper elevators and tubular EACH DAY prior to handling tubing/tools. Note in JSA when and what items are callipered within the task step that includes that work.**

6. PU and RIH with 4-3/4' MT bit & bailer on 2-7/8" 6.5# L-80 WS and clean out to 6,130'. POOH w/ 2-7/8" tbg string and bit. LD bit & bailer.

   - **Caliper elevators and tubular EACH DAY prior to handling tubing/tools. Note in JSA when and what items are callipered within the task step that includes that work.**

7. Contact sonic tool rep to be on site during job. PU and GIH with Sonic Hammer tool and 2-7/8" L-80 6.5#, work string to 5,965'. Hydro test tbg to 5,500 psi while GIH. Stand back tbg to top perfs. Install stripper head and stand pipe with sufficient treating line to move tools vertically 65'. Rig up pressure gauges to allow monitoring of tbg and csg pressure.

8. MI & RU Petroplex. Treat interval 5,464'-5.962' with 50 bbls of 8.6 ppg cut brine water per stand. Pump down 2-7/8" WS and through Sonic Hammer tool at **5 BPM** while reciprocating tool across the perforating interval. Do not exceed 500 psi. Leave annulus open in circulation mode while treating the perforated interval with water.

   Follow the 8.6 ppg cut brine water w/ a total of 4,500 gals 15% NEFE HCl acid. Ensure that enough tbg is made up to cover each ~65' treating interval. Spot 3 bbls of acid outside tbg, shut in and close csg flowback line, pump 750 gals acid @ 5 BPM over first treatment interval from 5,464' – 5,528', monitor csg pressure and do not exceed 500 psi on backside. Ensure that acid volume is pumped per table across each perfs treatment interval. Flush tbg w/ 8.6 cut brine, make a connection and continue w/ next interval. See the below example of intervals.

Interval	Depth	Volume
1	5,464' - 5,528'	750 gal
2	5,540' - 5,600'	900 gal
3	5,620' - 5,684'	1,000 gal
4	5,696' - 5,738'	600 gal
5	5,757' - 5,792'	500 gal
6	5,824' - 5,876'	500 gal
7	5,954' - 5,962'	250 gal

   Shut in for 1 hrs for the acid to spend. Bleed excess pressure off at surface if necessary to keep casing pressure below 500 psi. Release Petroplex.

9. Pump down 2-7/8" tbg and through Sonic Hammer tool at **5 BPM** from 5,962'-5,464' with a total of 250 bbls 2% KCl water containing 3 drums (165 gallons) Baker SCW-358 Scale Inhibitor. Ensure top of tbg is flushed with water before making a connection. Pump intervals below.

Interval	Depth	Volume
1	5,962' - 5,954'	50 bbl
2	5,876' - 5,824'	50 bbl
3	5,792' - 5,757'	50 bbl
4	5,738' - 5,696'	25 bbl
5	5,684' - 5,620'	25 bbl
6	5,600' - 5,540'	25 bbl
7	5,528' - 5,464'	25 bbl

10. PU to top of perfs. Pump 50 bbls 8.6 PPG cut brine water to scale squeeze well. Do not exceed **500 psi** casing pressure or **5 BPM** while pumping scale squeeze or casing flush. RD and release pump truck.

11. POH & LD 2-7/8" WS and Sonic Hammer tool.

12. RIH w/ 2-7/8" production tubing and hang off per LOWIS job plan. NDBOP. NUWH. RIH w/ rods and pump per ALS. RD and release workover unit.

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

Perfs Detail				
Top *ft*	Bottom *ft*	Interval Length *ft*	Status	Reservoir
5,464	5,472	8	Open	Blinebry
5,494	5,502	8	Open	Blinebry
5,520	5,528	8	Open	Blinebry
5,540	5,546	6	Open	Blinebry
5,552	5,560	8	Open	Blinebry
5,566	5,574	8	Open	Blinebry
5,592	5,600	8	Open	Blinebry
5,620	5,628	8	Open	Blinebry
5,645	5,653	8	Open	Blinebry
5,660	5,668	8	Open	Blinebry
5,676	5,684	8	Open	Blinebry
5,696	5,704	8	Open	Blinebry
5,718	5,722	4	Open	Blinebry
5,732	5,738	6	Open	Blinebry
5,757	5,765	8	Open	Blinebry
5,784	5,792	8	Open	Blinebry
5,824	5,832	8	Open	Blinebry
5,868	5,876	8	Open	Blinebry
5,954	5,962	8	Open	Blinebry
		0		
		0		
		0		
		0		
		0		
	Total			
5,464	**5,962**	**144**		

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

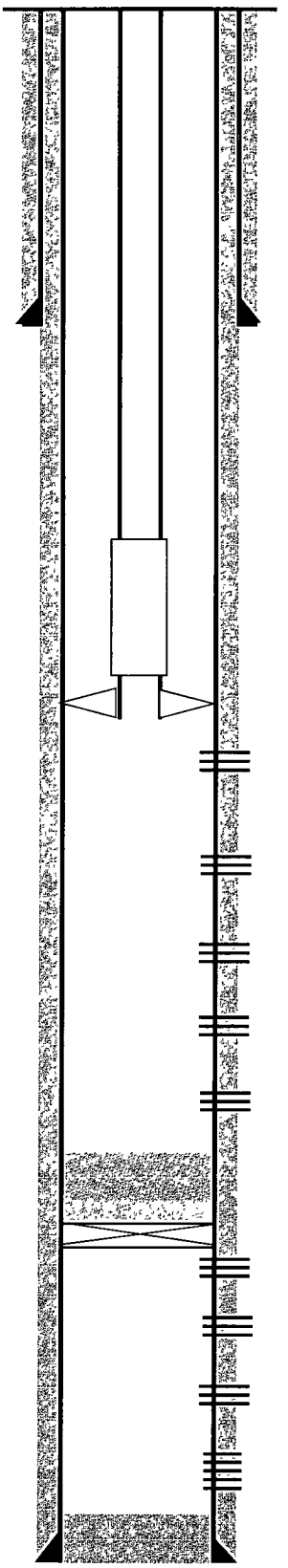
Current Wellbore Diagram

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

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'

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.



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

Tubing Detail

#Jts:	Size:	Footage
	KB Correction	10 00
171	Jts 2 7/8" 6 5# J-55 CI 'B'	5372 31
1	Jt 3 5" J-55 9 3#	8 10
1	PC Stator	27 60
1	PC pump tag bar	1 40
1	5 5" TAC	2 70
1	Landing collar	0 85
1	Slotted mud anchor, 3 5"	30 60
177	**Bottom Of String >>**	**5453.56**

Rod Detail

#Jts:	Size:	Footage
1	1 5" SM x40'	40 00
213	1 5" N-97 25' Driverod (PCP)	5325 00
1	Rod Sub	4 00
1	Rod Sub	10 00
1	PCP Rotor	4 00
217	**Length Of String >>**	**5383.00**

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 wellbore 6,133'

CIBP @ 6450'
(No cmt on top)

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

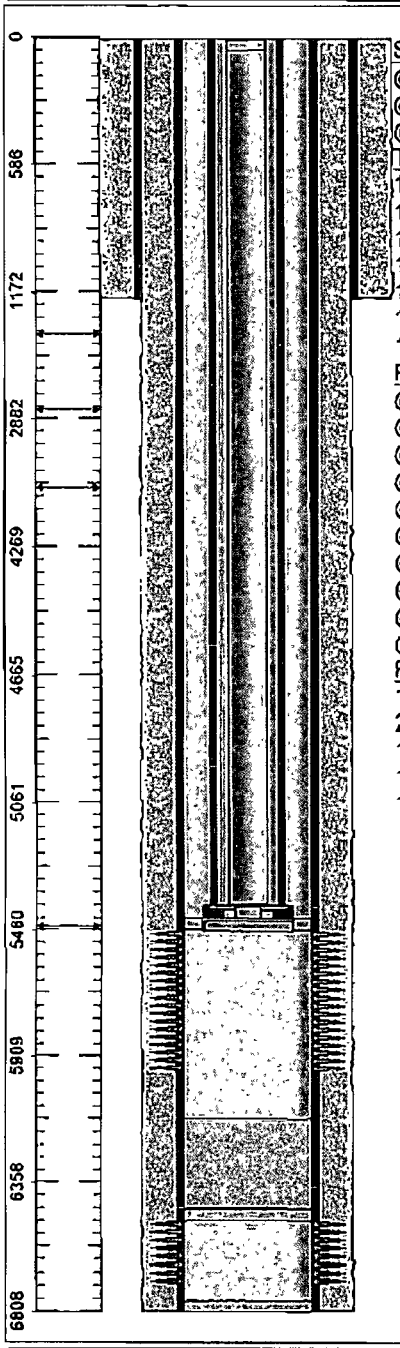
COTD: 6133'
PBTD: 6450'
TD: 6808'

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: 11/2/2011 **By:** DNCU

Chevron U.S.A. Inc. Wellbore Diagram : MATB22B

Lease: OEU EUNICE	**Well No.:** MATTERN H T /NCT-B/ 22	**Field:** FLD-BLINEBRY OIL & GAS	
Location: 785FNL2310FEL	**Sec.:** N/A	**Blk:**	**Survey:** N/A
County: Lea **St.:** New Mexico	**Refno:** EO9092	**API:** 3002525246	**Cost Center:** UCU463000
Section: 31	**Township:** 021 S		**Range:** 037 E
Current Status: ACTIVE		**Dead Man Anchors Test Date:** 04/01/2005	
Directions:			



Surface Casing (Top-Bottom Depth) Desc
@(10-1205) Unknown 8.625 OD/ 24.00# Round Short 8.097 ID 7.972 Drift
@(10-1205) Cement
@(10-1205) Wellbore Hole OD-11.0000
Tubing String Quantity (Top-Bottom Depth) Desc
171 @(10-5382) J-55 2.875 OD/ 6.50# T&C External Upset 2.441 ID 2.347
1 @(5382-5390) J-55 3.500 OD/ 9.30# T&C External Upset 2.992 ID 2.867
1 @(5390-5418) PC Pump-Stator (Non-Serialized) Unknown Size & Type -
1 @(5418-5419) PC Pump-Tag Bar - Bare
1 @(5419-5422) Tubing Anchor/Catcher 5.500"
1 @(5422-5423) Landing Collar
1 @(5423-5454) Slotted Mud Anchor 3.500"
Production Casing (Top-Bottom Depth) Desc
@(5464-5962) Perforations - Open
@(5464-5962) Producing Interval (Completion) - Blinebry
@(6133-6450) Fill in Wellbore (Sand, etc)
@(6450-6453) Bridge Plug Cast Iron 5.500" No Cmt on top
@(6492-6698) Producing Interval (Completion) - Drinkard
@(6492-6698) Perforations - Isolated
@(10-6808) Unknown 5.500 OD/ 15.50# Round Short 4.950 ID 4.825 Drift
@(1205-6808) Wellbore Hole OD- 7.8750
@(10-6808) Cement
@(6770-6808) Plug Back-Cement
Rod String Quantity (Top-Bottom Depth) Desc
1 @(10-50) 1.500 (1 1/2 in.) Spray Metal x 40
213 @(50-5375) 1.500 (1 1/2 in.) N-97 x 25 Driverod (PC Pumps)
1 @(5375-5379) Rod Sub(s) (Unknown Size and Grade)
1 @(5379-5389) Rod Sub(s) (Unknown Size and Grade)
1 @(5389-5393) PC Pump-Rotor (Non-Serialized) Unknown Size & Type -

Ground Elevation (MSL): 3496.00	**Spud Date:** 02/29/1976	**Compl. Date:** 06/24/1984
Well Depth Datum: CSI0000N	**Elevation (MSL):** 3506.00	**Correction Factor:** 10.00
Last Updated by: fiteci	**Date:** 10/17/2011	

Date: 11/14/2010

Company: CHEVRON

Contact:

Well Nan H,T Mattern B#22

Location: NM.

Well Head Drive Type: VED

Well Head Drive Model: Grenco

Well Head Drive S/N: C367-2

Stuffing Box Type: RING

Motor H/P: 70 HP - 444T -92.2 MAX AMPS

Motor RPM:—— 1090

Motor Sheave Size:—— 8 X4

Motor Hub Size: E 3 3/8

Spindle Sheave Size:— 31.5 X4

Spindle Hube Size: F 3 1/2

Belt Size & Type: 5V 1250 PBX4

Ratio : 3.94

Rotor Length & S/N :106M20--29.50'--P7
Lift Sub : 1" PIN X BOX
PERF Sub : 4' and 10'

169 avg. 31.0

PERF SUB : 29.02'

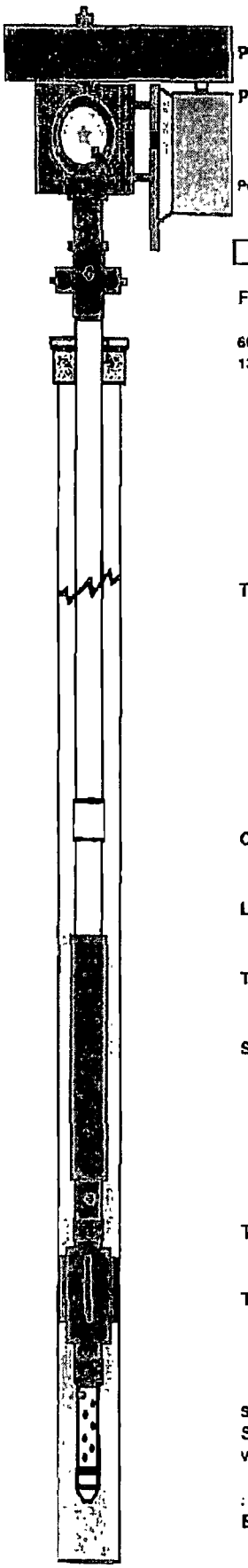
PONY SUB

Polish Rod: 1.50 X 40' X 1"

169 Total Rods

PCP ROD -1500 - 1.91-1.64 Rod Size & Grade

PIN BY PIN Coupling Type



Polish Rod Above Clamp: 0" SP: 50"

Polish Rod Speed:___ 276.83

Production Rate
Pump constant X PRS = TBFPD @100% Eff.

PC		PRS		TBFPD @100% Eff
4.18	X	276.83	=	1157.13

Flow Tee Type: oilliit rod lock FLOW T

60/75 HP VARIBLE FREQUENCY DRIVE FOR PCD
131U5207--S/N:001122H290

Tubing Type & Size: 2 7/8 J55 -171JTS - 5372.31

Collar: 2 7/8 X 3 1/2 cross over J55

Lift Sub: 3 1/2 X 4" PUP J55 8.10

Top Of Stator Landed @ 5380.41

Stator : 180DT66 - 286 27.60

S/N : 1008X3051

O.D Size 4.094

Tag Bar Type : Cross Bar 1.40

T.A.C : 5 1/2 X 2 7/8 2.7

Points Pulled : 10

Shear Set @ 45K
SEATING SHOE .85 W/ 1 1/4 X 13' 0.85 with 8' dip tube
SLOTTED MOTHER HUBBERD 30.6
WITH BULL PLUG

: pump intake @: 5412.96
Bull Plug Landed @: 5443.56

Perfs @ 5464'--5962'

PBTD @ 6450'