

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

Form C-103

October 13, 2009

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

WELL API NO.

30-025-22168

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

R.E. COLE NCT-A

8. Well Number 9

9. OGRID Number 4323

10. Pool name or Wildcat
BLINEBRY

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.)

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

2. Name of Operator

CHEVRON U.S.A. INC.

3. Address of Operator

15 SMITH ROAD, MIDLAND, TEXAS 79705

4. Well Location

Unit Letter N: 1075 feet from the SOUTH line and 2395 feet from the WEST line

Section 16 Township 22S Range 37E 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:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: INTENT TO ADD PERFS IN BLINEBRY & FRAC

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 ADD PERFS IN THE BLINEBRY FORMATION AND FRAC.

PLEASE FIND ATTACHED, THE INTENDED PROCEDURE, WELLBORE DIAGRAMS, & C-144 INFORMATION

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 05-23-2011

Type or print name DENISE PINKERTON

E-mail address: leakejd@chevron.com

PHONE: 432-687-7375

For State Use Only

APPROVED BY:

[Signature]

TITLE

PETROLEUM ENGINEER

DATE

JUN 08 2011

Conditions of Approval (if any):

R. E. Cole (NCT-A) # 9
Blinebry Oil & Gas Field
T22S, R37E, Section 16
Job: Add Perfs In Blinebry Formation 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 5/19/2011. 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. 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. **Note:** **Prior to performing this step of the procedure, ensure that all valves, pipe, and fittings that will be exposed to test pressure are rated higher than the planned test pressure.**
3. MI & RU workover unit. Bleed pressure from well, if any. ND WH. NU BOP's. Release pkr. POH LD 2 jts 2 7/8" 6.5 # J-55 EUE 8R tbg. PU and GIH w/ 5 1/2" compression-set pkr to 25'. Set pkr at 25'. Test BOP's to 250 psi low, 1000 psi high. Release top pkr. POH LD top pkr. POH scanalogg 2 7/8" production tbg string and lower pkr. LD pkr and all except yellow band 2 7/8" tbg.
4. PU and GIH with treating pkr on 2 7/8" production tbg string to 5800'. Set pkr at 5800'. Pressure test casing from 5800-6265' to 2000 psi. Release pkr. POH with 2 7/8" production tbg string and pkr. LD pkr. **Note:** **If pressure test is unsuccessful, set additional CIBP at 6200' and repeat pressure test.**
5. MI & RU Baker Atlas electric line unit. Install lubricator and test to 1000 psi. GIH with 3 3/8" RHSC Gunslinger casing guns (0.42" EH & 47" penetration) and perforate from 5499-5501', 5528-37', 5564-70', 5580-86', 5604-09', 5627-32', 5642-50', 5665-67', 5679-81', 5696-5704', and 5709-24' with 4 JSPF at 120 degree phasing, using 25 gram premium charges. POH. RD & release electric line unit. **Note:** **Use Welex Acoustic Velocity Log dated 9/3/1967 and Welex GR/CCL Log dated 9/7/1967 for depth correction.**
6. PU and GIH w/ 7" 10K treating pkr & On-Off tool w/ 2.25" "F" profile and 161 jts. of 3 1/2" EUE 8R L-80 work string, testing to 8500 psi. Set pkr at approximately 5000'. Install frac head. Pressure annulus to 500 psi to test csg and pkr. Leave 250 psi on csg during frac job to observe for communication. RD and release workover rig. **Note:** **Do not exceed 500 psi casing pressure due to cement squeezed perfs at 1200'.**

7. MI & RU Schlumberger Services. Frac well down 3 ½" tubing at **40 BPM** with 78,000 gals of 50 Quality CO2 Foamed WF150 and 167,000 lbs. 16/30 mesh Jordan Sand. Observe a maximum surface treating pressure of **8000 psi**. Pump job as follows:

Pump 14,000 gals WF150 50Q Foam pad

Pump 14,000 gals WF150 50Q Foam pad containing 0.5 PPG 16/30 mesh Jordan Sand

Pump 8,000 gals WF150 50Q Foam containing 1 PPG 16/30 mesh Jordan Sand

Pump 9,000 gals WF150 50Q Foam containing 2 PPG 16/30 mesh Jordan Sand

Pump 10,000 gals WF150 50Q Foam containing 3 PPG 16/30 mesh Jordan Sand

Pump 11,000 gals WF150 50Q Foam containing 4 PPG 16/30 mesh Jordan Sand and PROPNET

Pump 12,000 gals WF150 50Q Foam containing 5 PPG 16/30 mesh Jordan Sand and PROPNET.

Flush to 5330' with 2,157 gals WF150. **Do not overflush.** Shut well in. Record ISIP, 5, 10, and 15 minute SI tbg pressures. SWI. Do not flow back well. RD & Release Schlumberger Services. **Leave well SI overnight. Note: Schlumberger should bring enough PropNet to location to add to 3 PPG sand stage if needed for pressure reduction.**

8. MI & RU workover rig. Open well. Bleed off pressure. Pump down tbg with ½ tbg volume of 10 PPG brine water if necessary to kill well. Release pkr and POH with 3 ½" work string. Lay down 3 ½" work string and pkr.
9. GIH with sinker bar on sand line and tag for fill. If fill is tagged above 5900', MI & RU air unit and cleanout to PBTD using 2 7/8" production tbg string and foam. RD & release air unit.
10. 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, 10 jts 2 7/8" EUE 8R J-55 tbg, TAC, and 174 jts 2 7/8" EUE 8R J-55 tbg, testing to 5000 psi. Set TAC at 5400', with EOT at 5785' and SN at 5750'.
11. Remove BOP's and install WH. GIH with rods, weight bars, and pump per ALS recommended design. RD & release pulling unit.
12. Turn well over to production. Report producing rates, choke sizes, flowing pressures and/or fluid levels.

5/23/2011

Well: R. E. Cole A # 9

Field: Blinebry O&G

Reservoir: Blinebry

Location:

1075' FSL & 2395' FWL
 Section: 16 Unit Letter: N
 Township: 22S
 Range: 37E
 County: Lea State: NM

Elevations:

GL: 3384'
 KB: 3396'
 DF: 3395'

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, W0 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	12.00
174	Jts. 2 7/8" EUE 8R J-55 Tbg	5394.00
	TAC	2.70
10	Jts. 2 7/8" EUE 8R J-55 Tbg	310.00
1	Jt. 2 7/8" EUE 8R J-55 IPC Tbg	31.43
	SN	1.10
	2 7/8" x 4' Perf Tbg Sub	4.10
1	Jt. 2 7/8" EUE 8R J-55 Tbg	30.14
	Bullplug	0.50
186	Bottom Of String >>	5785.97

CIBP @ 6300'
 (35' cmt on top)

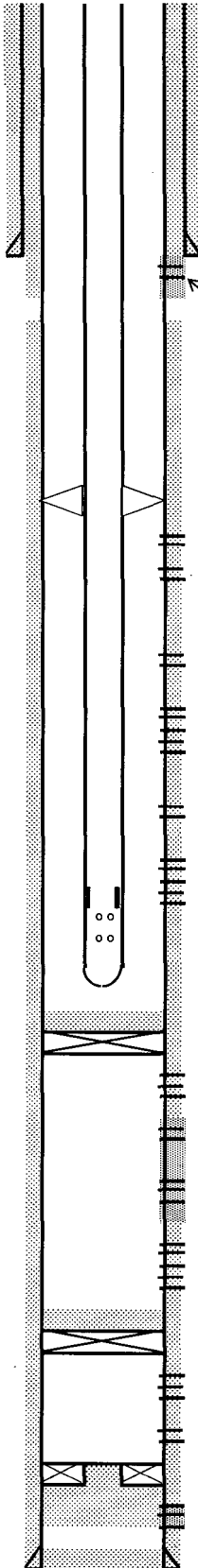
CIBP @ 7200'
 (12' cmt on top)

CICR @ 7238'

COTD: 6265'
PBTD: 6265'
TD: 7335'

Updated: 5/19/2011

Proposed
Wellbore Diagram



By: A. M. Howell

Well ID Info:

Cheveno: FG2508
 API No: 30-025-22168
 L5/L6: UCU461000
 Spud Date: 8/14/1967
 Compl. Date: 9/8/1967

Surf. Csg: 9 5/8", 36#, J-55
 Set: @ 1182' w/ 460 sks
 Hole Size: 12 1/4"
 Circ: Yes TOC: Surface
 TOC By: Circulated

Sqz Perfs @1200'
 (Cement circulated)

Perfs:	Status:
5443-45'	Blinebry - Open
5470-72'	Blinebry - Open
5479-81'	Blinebry - Open
5490-92'	Blinebry - Open
5499-5501'	Blinebry - Open
5515-17'	Blinebry - Open
5528-37'	Blinebry - Open
5541-43'	Blinebry - Open
5564-70'	Blinebry - Open
5580-86'	Blinebry - Open
5604-09'	Blinebry - Open
5627-32'	Blinebry - Open
5642-50'	Blinebry - Open
5665-67'	Blinebry - Open
5679-81'	Blinebry - Open
5696-5704'	Blinebry - Open
5709-24'	Blinebry - Open

Perfs:	Status:
6357-59'	Drinkard - Below CIBP
6442-44'	Drinkard - Below CIBP
6473-75'	Drinkard - Cmt Sqzd
6515-17'	Drinkard - Cmt Sqzd
6553-55'	Drinkard - Cmt Sqzd
6590-92'	Drinkard - Cmt Sqzd

6770-72'	Abo - Below CIBP
6805-07'	Abo - Below CIBP
6846-48'	Abo - Below CIBP
6885-87'	Abo - Below CIBP

7214-16'	Abo - Below CIBP
7228-30'	Abo - Below CIBP

7245-47'	Silurian - Cmt Sqzd
7267-69'	Silurian - Cmt Sqzd

Prod. Csg: 7", 20# & 23#, J-55
 Set: @ 7334' w/ 1095 sks
 Hole Size: 8 3/4"
 Circ: No TOC: 1990'
 TOC By: Temperature Survey

Well: **R. E. Cole A # 9**Field: **Blinebry O&G**Reservoir: **Blinebry****Location:**

1075' FSL & 2395' FWL
 Section: 16 Unit Letter: N
 Township: 22S
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Tubing Detail:

#Jts:	Size:	Footage
	KB Correction	12.00
165	Jts. 2 7/8" EUE 8R J-55 Tbg	5339.50
	SN	1.10
	AS1X Packer	7.60
165	Bottom Of String >>	5360.20

CIBP @ 6300'
 (35' cmt on top)

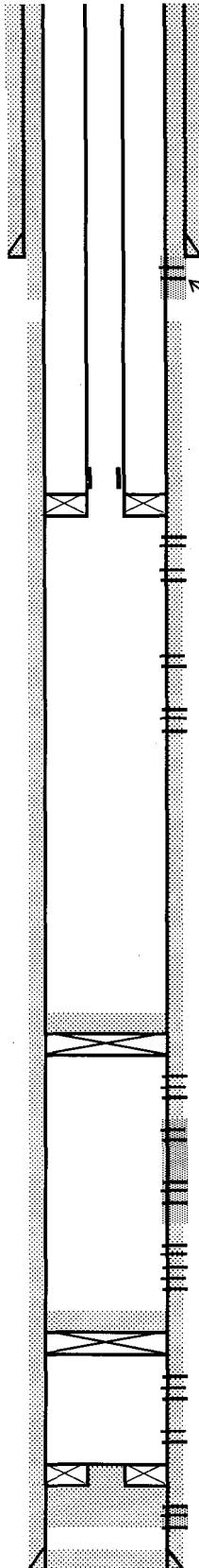
CIBP @ 7200'
 (12' cmt on top)

CICR @ 7238'

COTD: 6265'
PBTD: 6265'
TD: 7335'

Updated: 5/19/2011

Current
Wellbore Diagram



By: A. M. Howell

Well ID Info:

Chevno: FG2508
 API No: 30-025-22168
 L5/L6: UCU461000
 Spud Date: 8/14/1967
 Compl. Date: 9/8/1967

Surf. Csg: 9 5/8", 36#, J-55
Set: @ 1182' w/ 460 sks
Hole Size: 12 1/4"
Circ: Yes **TOC:** Surface
TOC By: Circulated

Sqz Perfs @1200'
 (Cement circulated)

Perfs:	Status:
5443-45'	Blinebry - Open
5470-72'	Blinebry - Open
5479-81'	Blinebry - Open
5490-92'	Blinebry - Open
5515-17'	Blinebry - Open
5541-43'	Blinebry - Open

Perfs:	Status:
6357-59'	Drinkard - Below CIBP
6442-44'	Drinkard - Below CIBP
6473-75'	Drinkard - Cmt Sqzd
6515-17'	Drinkard - Cmt Sqzd
6553-55'	Drinkard - Cmt Sqzd
6590-92'	Drinkard - Cmt Sqzd

6770-72'	Abo - Below CIBP
6805-07'	Abo - Below CIBP
6846-48'	Abo - Below CIBP
6885-87'	Abo - Below CIBP

7214-16'	Abo - Below CIBP
7228-30'	Abo - Below CIBP

7245-47'	Silurian - Cmt Sqzd
7267-69'	Silurian - Cmt Sqzd

Prod. Csg: 7", 20# & 23#, J-55
Set: @ 7334' w/ 1095 sks
Hole Size: 8 3/4"
Circ: No **TOC:** 1990'
TOC By: Temperature Survey