

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL API NO.	30-025-25356
5. Indicate Type of Lease	STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil / Gas Lease No.	
7. Lease Name or Unit Agreement Name	R.E. COLE 'A'
8. Well No.	17
9. Pool Name or Wildcat	EUN S/A SW, & PENROSE SKLY GRAYBURG
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	3378' GL

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

1. Type of Well:	OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER
2. Name of Operator	CHEVRON USA INC
3. Address of Operator	15 SMITH RD, MIDLAND, TX 79705
4. Well Location	Unit Letter <u>P</u> : <u>330'</u> Feet From The <u>SOUTH</u> Line and <u>757'</u> Feet From The <u>EAST</u> Line Section <u>16</u> Township <u>22-S</u> Range <u>37-E</u> NMPM <u>LEA</u> COUNTY
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	3378' GL

11. 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 ☐
OTHER: DHC SAN ANDRES & GRAYBURG ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPERATION ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: ☐

12. 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.

CHEVRON U.S.A. INC. INTENDS TO DOWNHOLE COMMINGLE PRODUCTION FROM THE EUNICE SAN ANDRES SOUTHWEST (24180) & THE PENROSE SKELLY GRAYBURG (50350) POOLS. *****PLEASE REFER TO ADMINISTRATIVE ORDER DHC-3461***** ATTACHED

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

CURRENT & PROPOSED WELLBORE DIAGRAMS ARE ATTACHED FOR YOUR APPROVAL.

THE INTENDED PROCEDURE IS ATTACHED.

FORM C-102 FOR EACH POOL IS ATTACHED.



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 6/15/2005
TYPE OR PRINT NAME Denise Pinkerton Telephone No. 432-687-7375

(This space for State Use)

APPROVED [Signature]
CONDITIONS OF APPROVAL, IF ANY: TITLE

PETROLEUM ENGINEER

DATE

JUN 23 2005

RE Cole A #17
 API #30-025-25356
 330' FSL & 757' FEL
 S16, T22S, R37E
 Eunice San Andres Southwest
 Lea County, New Mexico

Revision 2 5/17/2005

PROCEDURE

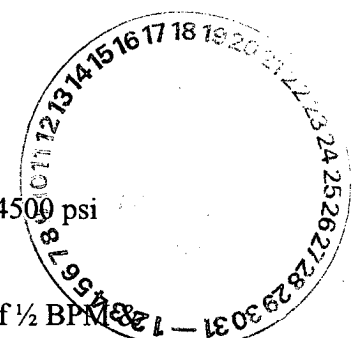
Use 8.6 ppg brine water.

1. Displace flowline w/ fresh water. Have Field Specialist close valve at header. Pressure test line according to type. All polypipe (SDR7 and SDR11) will be tested to 100 psi. All steel lines will be tested to 500 psi. If a leak is found, contact Donnie Ives for repair/replacement. If tests good, bleed off pressure and open valve at header. Document this process in the morning report.
2. MIRU Key PU & Smith RU. Unseat pump and POOH w/ rods (see Tbg Detail). Install BOP's & EPA equipment. Test BOP when possible. Release TAC & POOH w/ 2-7/8" production tbg (see Tbg Detail).
3. PU 6-1/8" bit & 2-7/8" WS. RIH to 4200'. POOH & LD bit.
4. MIRU WL. **Use GR log to get on depth.** Perforate the following intervals with 3-1/8" slick guns loaded w/ 4 JSPF, 120 degree phasing and 23 gram charges tied back to Welex's Compensated Density Log dated 11/25/76. RD Baker Atlas WL.

Top Perf	Bottom Perf	Net Feet	Total Holes
3617	3621	4	16
3635	3638	3	12
3660	3663	3	12
3689	3691	2	8
3706	3710	4	16
3720	3723	3	12
3736	3739	3	12
3747	3750	3	12

5. RIH w/ 7" PPI packer w/ SCV and 14' element spacing. Test 2-7/8" WS to 4500 psi while RIH. Test PPI packer in blank pipe. Mark settings.
6. MIRU DS. Acidize perms w/ 2,800 gals 15% NEFE HCl acid at a max rate of 1/2 BPM @ 4000 psi surface pressure as follows:

Perfs	Acid Volume	Max Rate	PPI Setting
3617-3621	200 gals	1/2 bpm	3613-3627
3635-3638	200 gals	1/2 bpm	3630-3644
3660-3663	200 gals	1/2 bpm	3655-3669
3689-3691	200 gals	1/2 bpm	3684-3698



3706-3710	200 gals	1/2 bpm	3702-3716
3720-3723	200 gals	1/2 bpm	3715-3729
3736-3739	200 gals	1/2 bpm	3732-3746
3747-3750	200 gals	1/2 bpm	3743-3755
Old Perfs 3774 & 3782	200 gals	1/2 bpm	3773-3787
Old Perfs 3796 & 3802-3804	200 gals	1/2 bpm	3794-3810
Old Perfs 3812	200 gals	1/2 bpm	3808-3822
Old Perfs 3854 & 3862-64	200 gals	1/2 bpm	3853-3867
Old Perfs 3874 & 3882-86	200 gals	1/2 bpm	5873-5887
Old Perfs 3892-98	200 gals	1/2 bpm	3888-3902

Displace acid w/ 8.6# brine to top perf. Record ISIP, 5, and 10 SIP. RD DS. **If communication occurs during treatment, attempt to put away stage without exceeding 1000 psi csg pressure. If stage can not be completed move to next and combine stage volumes.**

- SI well for 2 hrs for acid to spend. Release PPI & PU above top perf. RU swab and swab back load before SION if possible. Record volumes, pressures, & fluid levels. Discuss results with Engineering. If excessive water is produced, selectively swab perf intervals as discussed w/ engineer.
- POOH w/ PPI and LD. RIH w/ 7" frac pkr, on/off tool and profile on 3-1/2" WS testing to 7500 psi while RIH. Set packer @ +/- 3500'. Install frac head. Pressure test BS to 750 psi. Hold 700 psi on BS during frac job and observe for communication.
- MIRU DS. Frac well down 3-1/2" tubing at **40 BPM** w/ 84,000 gals of YF130, 160,000 lbs. 16/30 mesh Jordan Sand, and 30,000 lbs **resin-coated** 16/30 mesh CR4000 proppant. Max treating pressure 8000 psi. **Tag Frac using 3 isotopes (1st in .5 ppg pad stage, 2nd in body of sand, 3rd in resin stage).** Pump job as follows:

Pump 2,000 gals 2% KCl water containing 110 gals Baker SCW-358 Scale Inhibitor

Pump 1,000 gal 2% KCl water spacer

Pump 14,000 gals YF130 pad containing 5 GPT J451 Fluid Loss Additive

Pump 14,000 gals YF130 pad containing 0.5 PPG 16/30 mesh Jordan Sand & 5 GPT J451 Fluid Loss Additive

Pump 12,000 gals YF130 containing 1.5 PPG 16/30 mesh Jordan Sand

Pump 12,000 gals YF130 containing 2.5 PPG 16/30 mesh Jordan Sand

Pump 12,000 gals YF130 containing 3.5 PPG 16/30 mesh Jordan Sand

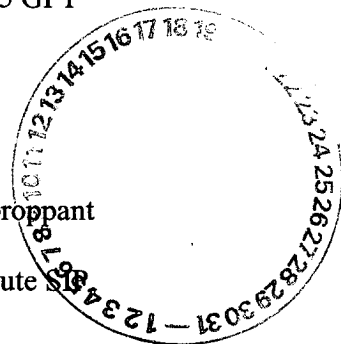
Pump 14,000 gals YF130 containing 4.5 PPG 16/30 mesh Jordan Sand

Pump 6,000 gals YF130 containing 5 PPG resin-coated 16/30 mesh CR1630 proppant

Flush to top perf. **Do not overflush.** SI well and record ISIP, 5, 10, and 15 minute SIP RD DS. SION. RD DS.

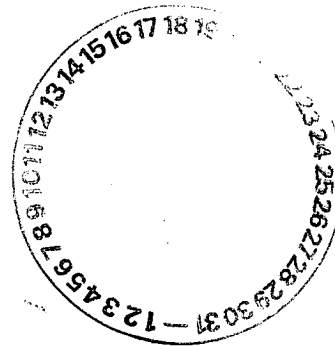
- Open well and bleed off any pressure. Release packer and POOH. RIH w/ 6-1/8" bit to 4200'. POOH & LD bit. RIH w/ 7" pkr w/ on/off tool and profile. Set pkr @ +/- 3600'. RU swab and swab well checking for sand inflow. Discuss results w/ engineer. RD swab.

- MIRU Logging Truck and conduct after Frac Log.



12. Release pkr and POOH. RIH w/ 6-1/8" bit on WS & tag for fill. POOH & LD bit & WS
13. RIH w/ 2-7/8" production tbg & hang off as per ALS recommendation. NDBOP NUWH.
14. RD Key PU & Smith RR. Turn well over to production. Contact Lease Operator and inform them that the well is ready for operation.

Engineer - Keith Lopez
432-687-7120 Office
432-631-3281 Cell
303-949-3021 Home



Well: **R. E. Cole (NCT-A) # 17**

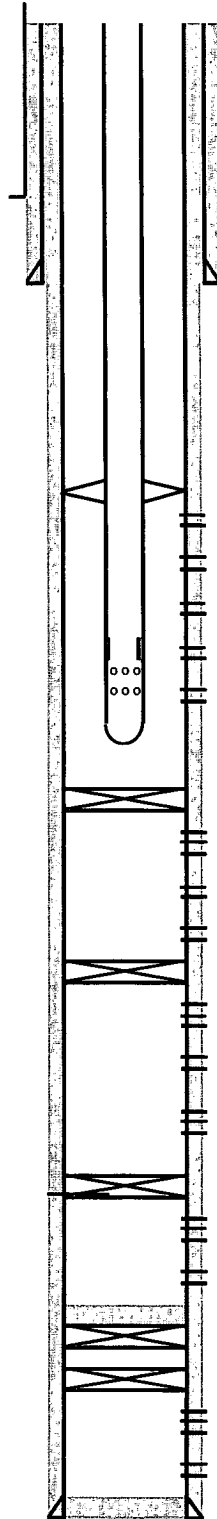
Field: Eunice; San Andres, SW

Reservoir: San Andres

Location:
330' FSL & 757' FEL
Section: 16
Township: 22S
Range: 37E
County: Lea State: NM

Elevations:
GL: 3378'
KB: 3395'
DF: 3394'

**Current
Wellbore Diagram**



Well ID Info:
Chevno: EP2077
API No: 30-025-25356
L5/L6: LB10100
Spud Date: 11/10/76
Compl. Date: 3/7/77

Surface Csg: 9 5/8", 36#, K-55
Set: @ 1150' w/ 650 sks
Hole Size: 12 1/4"
Circ: Yes **TOC:** Surface
TOC By: Circulated

Perfs:	Status:
3774'	San Andres - Open
3782'	San Andres - Open
3796'	San Andres - Open
3802-04'	San Andres - Open
3812'	San Andres - Open
3854'	San Andres - Open
3862-64'	San Andres - Open
3874'	San Andres - Open
3882-86'	San Andres - Open
3892-98'	San Andres - Open

CIBP @ 5450'

5509-11'	Blinbry - Below CIBP
5523-25'	Blinbry - Below CIBP
5573-75'	Blinbry - Below CIBP
5610-12'	Blinbry - Below CIBP
5653-55'	Blinbry - Below CIBP
5680-82'	Blinbry - Below CIBP
5705-07'	Blinbry - Below CIBP
5742-44'	Blinbry - Below CIBP

CIBP @ 5850'

6308-10'	Drinkard - Below CIBP
6354-56'	Drinkard - Below CIBP
6399-6401'	Drinkard - Below CIBP
6426-28'	Drinkard - Below CIBP
6470-72'	Drinkard - Below CIBP
6515-17'	Drinkard - Below CIBP

CIBP @ 6990'

7049-51'	Silurian - Below CIBP
7078-80'	Silurian - Below CIBP
7096-98'	Silurian - Below CIBP
7124-26'	Silurian - Below CIBP

CIBP @ 7161'
(30' cmt & sand on top)

CIBP @ 7165'

7184-86'	Montoya - Below CIBP
7232-34'	Montoya - Below CIBP
7267-69'	Montoya - Below CIBP
7313-15'	Montoya - Below CIBP

COTD: 5450'
PBTD: 5450'
TD: 7338'

Updated: 2/17/2000

By: A. M. Howell

Prod. Csg: 7", 23# & 26#, K-55 & N-80
Set: @ 7337' w/ 1525 sks
Hole Size: 8 3/4"
Circ: Yes **TOC:** Surface
TOC By: Circulated



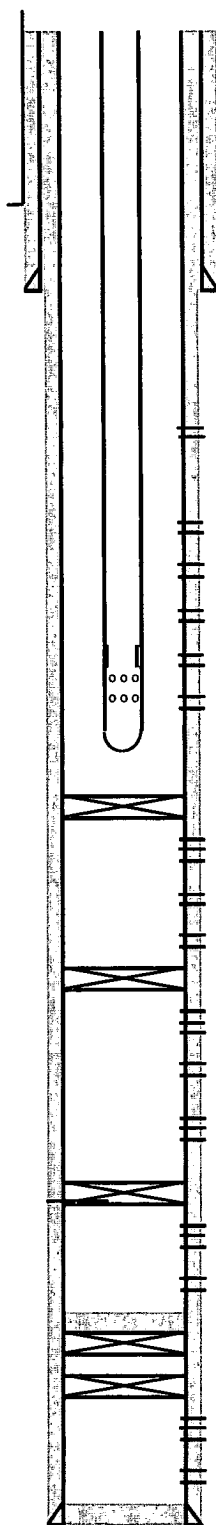
Well: **R. E. Cole (NCT-A) # 17**

Field: Eunice San Andres SW/Penrose Skel Reservoir: Grayburg/San Andri

Location:
330' FSL & 757' FEL
Section: 16
Township: 22S
Range: 37E
County: Lea State: NM

Elevations:
GL: 3378'
KB: 3395'
DF: 3394'

**Proposed
Wellbore Diagram**



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L5/L6: LB10100/UC490600
Spud Date: 11/10/76
Compl. Date: 3/7/77

Surface Csg: 9 5/8", 36#, K-55
Set: @ 1150' w/ 650 sks
Hole Size: 12 1/4"
Circ: Yes **TOC:** Surface
TOC By: Circulated

Perfs: **Status:**
3617'-3750' Grayburg - Open

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3774' San Andres - Open
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3874' San Andres - Open
3882-86' San Andres - Open
3892-98' San Andres - Open

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COTD: 5450'
PBTD: 5450'
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Updated: 6/10/2005

By: Keith Lopez

Prod. Csg: 7", 23# & 26#, K-55 & N-80
Set: @ 7337' w/ 1525 sks
Hole Size: 8 3/4"
Circ: Yes **TOC:** Surface
TOC By: Circulated



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-102

Revised February 10, 1999

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-25356	² Pool Code 24180	³ Pool Name EUNICE SAN ANDRES SOUTHWEST
⁴ Property Code 2597	⁵ Property Name R.E. COLE 'A'	⁶ Well No. 17
⁷ OGRID Number 4323	⁸ Operator Name CHEVRON USA INC	⁹ Elevation 3378' GL

¹⁰ Surface Location

UI or lot no	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
P	16	22-S	37-E		330'	SOUTH	757'	EAST	LEA

¹¹ Bottom Hole Location If Different From Surface

UI or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County

¹² Dedicated Acre 40	¹³ Joint or Infill No	¹⁴ Consolidation Code	¹⁵ Order No.
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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

<div data-bbox="81 987 1071 1974"> <p>¹⁶</p> </div>	<p>¹⁷ OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <p>Signature <i>Denise Pinkerton</i></p> <p>Printed Name Denise Pinkerton</p> <p>Position Regulatory Specialist</p> <p>Date 6/15/2005</p>
	<p>¹⁸ SURVEYOR CERTIFICATION</p> <p>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.</p> <p>Date Surveyed</p> <p>Signature & Seal of Professional Surveyor</p> <p>Certificate No.</p>

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⁴ Property Code 2597	⁵ Property Name R.E. COLE 'A'	⁶ Well No. 17
⁷ OGRID Number 4323	⁸ Operator Name CHEVRON USA INC	⁹ Elevation 3378' GL

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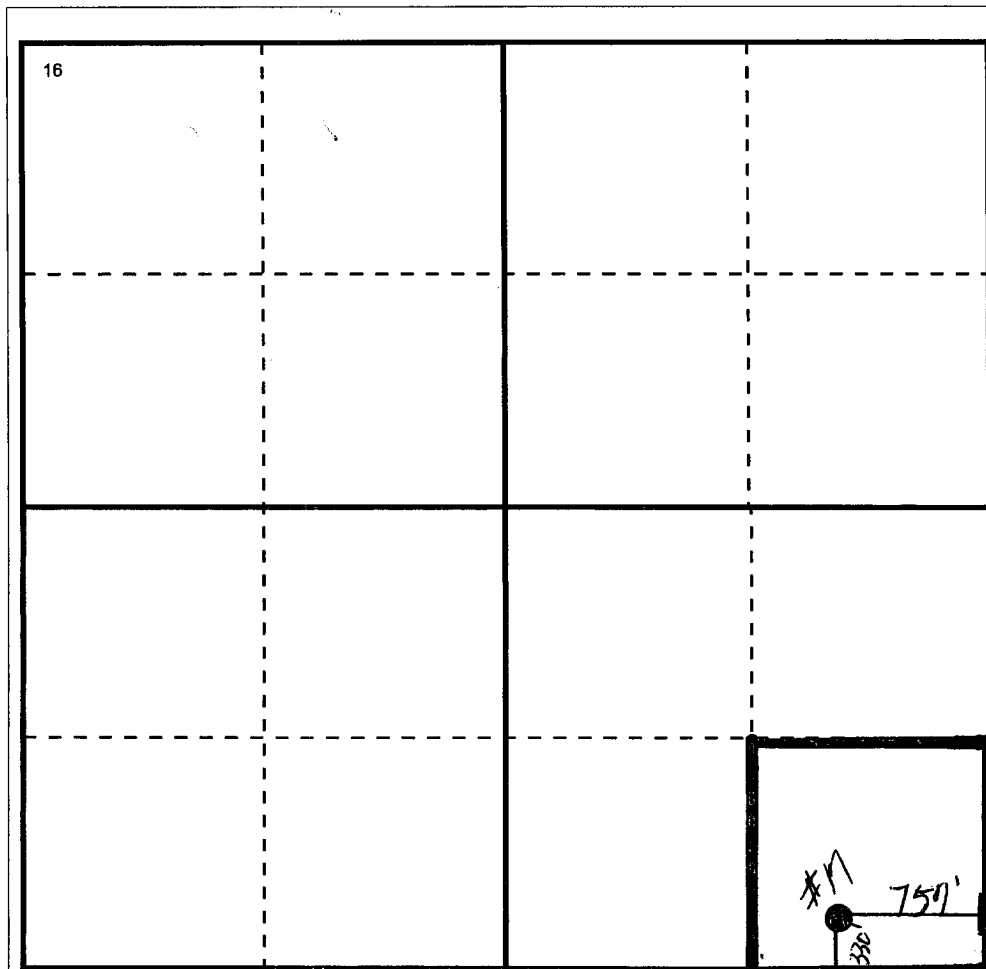
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I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

Signature

Printed Name

Denise Pinkerton

Positio

Regulatory Specialist

Date

6/15/2005

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Date Surveyed

Signature & Seal of
Professional Surveyor

Certificate No.