	State of New M	exico		_	0.400
Submit 3 copies to Appropriate District Office Energy, M	inerals and Natural Re	sources Department			orm C-103 evised 1-1-89
DISTRICT I	NSERVATIO	ON DIVISION	WELL API NO.		
P.O. Box 1980, Hobbs, NM 88240	P.O. Box 2088		WELL APINO.	30-025-22109	
DISTRICT II			5 1-31-4- T		
P.O. Box Drawer DD, Artesia, NM 88210	ta Fe, New Mexico	0/304-2000	5. Indicate Type o	STATE	FEE 🗍
DISTRICT III			6. State Oil / Gas		🖰
1000 Rio Brazos Rd., Aztec, NM 87410			o. Gtate Oil 7 Gas	Lease No.	
SUNDRY NOTICES AND I			7- 467		
(DO NOT USE THIS FORM FOR PROPOSALS TO DIFFERENT RESERVOIR. USE			7. Lease Name o	r Unit Agreement Nam	e
(FORM C-101) FOR S		ENVII	R.E. COLE A		
1. Type of Well: OIL GAS WELL OTH	I ER				!
2. Name of Operator			8. Well No.	_	
CHEVRON USA INC				8	
3. Address of Operator 15 SMITH RD, MIDLAND,	TX 79705		9. Pool Name or V EUN S/A SW	Vildcat , & PENROSE SKLY (RAYBURG
4. Well Location					_
Unit Letter K : 2130' F	Feet From The SOUT	H Line and 2130'	_Feet From The	WEST Line	•
Section 16 Township		ange <u>37-E</u> NM	IPM	LEA COU	NTY
。 	(Show whether DF, RKB,	RT,GR, etc.) 3392' GL			2 esekulse x
Check Appropriate E	Box to Indicate Nati	ure of Notice, Report,	or Other Data	a	
NOTICE OF INTENTION TO:		SU	JBSEQUENT	TREPORT OF	·:
PERFORM REMEDIAL WORK PLUG AND A	BANDON	REMEDIAL WORK	□ A	LTERING CASING	
TEMPORARILY ABANDON CHANGE PLA	NS 🗌	COMMENCE DRILLING OPE	RATION P	LUG AND ABANDON	MENT
PULL OR ALTER CASING		CASING TEST AND CEMEN	IT JOB		
OTHER: DHC SAN ANDRES & GRAYBU	RG 🗸	OTHER:			
 Describe Proposed or Completed Operations (Clear proposed work) SEE RULE 1103. 	urly state all pertinent de	etails, and give pertinent da	ates, including es	stimated date of star	ting any
CHEVRON U.S.A. INC. INTENDS TO DOWNHOLE C	OMMINGLE PRODUC	TION FROM THE EUNICE	SAN ANDRES	SOUTHWEST (241	80) AND
THE PENROSE SKELLY GRAYBURG (50350) POOLS.					
PLEASE REFER TO ADMINISTRATIVE ORDER DHO	C-3462 (ATTACHED).				art s
CURRENT & PROPOSED WELLBORE DIAGRAMS A	ARE ATTACHED FOR	YOUR APPROVAL.		45 15 715	1816
A PIT WILL NOT BE USED FOR THIS DHC WORK.	A STEEL FRAC TANK	WILL BE UTILIZED.			\
THE INTENDED PROCEDURE IS ATTACHED.				AN TO THE PROPERTY OF THE PROP	1 1 1 1
FORM C-102 FOR THE SAN ANDRES & THE GRAY	BURG ARE ATTACHE	D.		0.60	
1.				\`@_	A

DATE <u>6/15/2005</u>

432-687-7375

TYPE OR PRINT NAME Denise Pinkerton

PETROLEUM ENGINEER

TITLE

TITLE

Regulatory Specialist

JUN 2 3 2005

Telephone No.

(This space for State Use)

RE Cole A #8
API #30-025-22109
2130' FSL & 2130' FWL
S16, T22S, R37E
Penrose Skelly/Eunice San Andres Southwest
Lea County, New Mexico

PROCEDURE

Use 8.6 ppg brine water.

- 1. Complete if applicable: 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. Repair well location & lease road. Dig out around cut off csg strings. Weld on new csg and tubing heads.
- 3. MIRU Key PU & Smith RU. Install BOP's & EPA equipment. Test BOP when possible. PU 6-1/8" bit, DC's, and 2-7/8" WS. Establish reverse circulation & dill out 10 sx cement plug at surface. Also drill out plug from 1100'-1200' and plug from 3650'-3750'. RIH & tag PBTD (approximately 5298'). Circulate hole clean. Test csg to 500#. POOH & LD bit & DC's.
- 4. MIRU WL. Run CBL/CCL log from 5000' to 100' above cement top tied back to Welex's Acoustic Velocity Log dated 5/27/67. Fax log to Midland for cement quality inspection before perforating. If cement bond does not look adequate, discuss squeezing options with engineer.

5. 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 Acoustic Velocity Log dated 527/67. RD Baker Atlas WL.

Top Perf	Bottom Perf	Net Feet	Total Holes
3660	3668	8	32
3687	3692	5	20
3714	3721	7	28
3732	3740	8	32
3748	3753	5	20
3761	3764	3	12
3771	3774	3	12
3784	3787	3	12
3794	3798	4	16
3818	3823	5	20_
3832	3840	8	32
3844	3850	6	24
3869	3878	9	36
3886	3890	4	16
3908	3913	5	20

- 6. RIH w/7" PPI packer w/ SCV and 10' element spacing. Test 2-7/8" WS to 4500 psi while RIH. Test PPI packer in blank pipe. Mark settings.
- 7. MIRU DS. Acidize perfs w/ 3,000 gals 15% NEFE HCl acid at a max rate of ½ BPM & 4000 psi surface pressure as follows:

Porfo	Acid	Max Rate	PPI Setting
Perfs	Volume		FFISetting
3660-3668	200 gals	1/2 bpm	3659-3669
3687-3692	200 gals	1/2 bpm	3685-3695
3714-3721	200 gals	1/2 bpm	3713-3723
3732-3740	200 gals	1/2 bpm	3731-3741
3748-3753	200 gals	1/2 bpm	3746-3756
3761-3764	200 gals	1/2 bpm	3757-3767
3771-3774	200 gals	1/2 bpm	3768-3778
3784-3787	200 gals	1/2 bpm	3780-3790
3794-3798	200 gals	1/2 bpm	3791-3801
3818-3823	200 gals	1/2 bpm	3815-3825
3832-3840	200 gals	1/2 bpm	3831-3841
3844-3850	200 gals	1/2 bpm	3842-3852
3869-3878	200 gals	1/2 bpm	3868.5-3878.5
3886-3890	200 gals	1/2 bpm	3883-3893
3908-3913	201 gals	1/2 bpm	3906-3916

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.

- 8. 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.
- 9. 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 @ +/- 3550'. Install frac head. Pressure test PS to 750 psi. Hold 700 psi on BS during frac job and observe for communication.
- 10. 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. **<u>Do not overflush.</u>** SI well and record ISIP, 5, 10, and 15 minute SIP. RD DS. SION. RD DS.

- 11. Open well and bleed off any pressure. Release packer and POOH. RIH w/ 6-1/8" bit to 4100'. 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.
- 12. MIRU Logging Truck and conduct after Frac Log.
- 13. Release pkr and POOH. RIH w/6-1/8" bit on WS & tag for fill. POOH & LD bit & WS
- 14. RIH w/ 2-7/8" production tbg & hang off as per ALS recommendation. NDBOP NUWH.
- 15. 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



CURRENT WELL DATA SHEET

Field:		Well Name:	RE Cole A #8	Lease Type:	State	
	2130' FSL & 2130' FWL	Sec: 16		Range:	37E	
County:	Lea St: New Mexico	Refno: FG026		Cost Center:		
Current Sta		Anchor Test Da				
	oducing Formation(s):	PA'd				
Initial Prod	lucing Formation(s):	Montoya/Silurian				
			40 als avertalisa	KD	. 2404'	
Surface Cs			10 sk surf plug	KB DF		
Size: Wt.:	9-5/8" 36#			GL		
Set @:	1159'			Spud Date		
Sxs cmt:	425			Compl. Date		
Circ:	Yes	- 1 m				
TOC:	Surface		25 sk plug 1100'-12	200'		
Hole Size:	12-1/4"					
			\$. 1 \$20			
			25 sk plug 3650'-3	750'		
		<u> </u>	■ DV Tool @ 3792'			
					•	
		<u> Şî</u>	現代を 単分数 ・			
Productio	n Csg.					
Size:	<u>7" </u>					
Wt.:	23# & 26#					6171819
Set @:	7302'					23 to 16 17 18 10 30
Sxs Cmt:	 .		CIBP @ 5398' w/ 25 sk cmt			~~ E
Circ:	Circ 2nd stage		Blinobar Borfe			
TOC:	Surface 9 2/4"		Blinebry Perfs 5516'-5681'			
Hole Size:	8 3/4"		3310-3081			1.00 1.00
					•	
			CIBP @ 6350' w/ 25 sk cmt	:		(3) (4)
						150
			Drinkard Perfs			25 51 - 1E 0E 61 84
			6382'-6567'			3031-123
		3				
			CIBP @ 6655' w/ 10' cmt			
COTD:			Montoya Perfs			
PBTD:	7000		7186'-7286' Sqz'd			
TD:	7302'	<u>Z</u>				
Remarks:						
						_

PROPOSED WELL DATA SHEET

Field: Eunice San Andres SW/Penrose Location: 2130' FSL & 2130' FWL County: Lea St: New Mexico Current Status: PR Current Producing Formation(s): Initial Producing Formation(s):		Lease Type: State 22S Range: 37E 09 Cost Center: LB10100/U49
Surface Csg. Size: 9-5/8" Wt.: 36# Set @: 1159' Sxs cmt: 425 Circ: Yes TOC: Surface Hole Size: 12-1/4"	Grayburg Per 3660'-3721' DV Tool @ San Andres P 3748'-3913'	3792'
Production Csg. Size: 7" Wt.: 23# & 26# Set @: 7302' Sxs Cmt: Circ: 2nd stage TOC: Surface Hole Size: 8 3/4"	CIBP @ 5398' w/ Blinebry Perfi 5516'-5681' CIBP @ 6350' w/ Drinkard Perfi 6382'-6567'	25 sk cmt
COTD: PBTD: 5298' TD: 7302' Remarks:	CIBP @ 6655' w/ Montoya Peri 7186'-7286'	10' cmt
		epared by: LOPK Date: 5/17/2005 pdated by:

DISTRICT 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 10,199

Instructions on bac Submit to Appropriate District Offic

> State Lease - 4 Copie Fee Lease - 3 Copie

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-22109	Pool Code 50350	PENROSE SKELLY GRAYBURG		
4 Property Code 2597	'	erty Name 6 Well COLE A	No.	
⁷ OGRID Number 4323	·	rator Name ⁹ Elev ON USA INC 33	ation 92'	

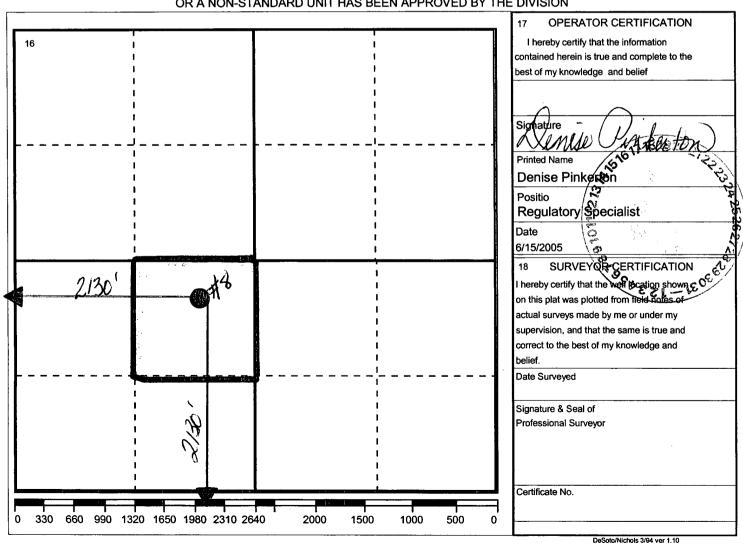
Surface Location

UI or lot no	Section	Township	Range	Lot.ldn	Feet From The	North/South Line	Feet From The	East/West Line	County
Κ	16	22-S	37-E		2130'	SOUTH	2130'	WEST	LEA

Bottom Hole Location If Different From Surface

UI or lot no.	Section	Township	Range	Lot.ldn	Feet From	The	North/South Line	Feet From The	East/West Line	County
¹² Dedicated	I Acre	Joint or Infill	14	Consolidation	on Code	¹⁵ Ord	der No.		I	

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



DISTRICT! P.O. Box 1980, Hobbs, NM 88241-1980 DISTRICT II

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1000 Rio Brazos Rd., Aztec, NM 87410 DISTRICT IV

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Santa Fe, New Mexico 87504-2088

Form C-102 Revised February 10,199 Instructions on bac Submit to Appropriate District Offic

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AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-22109	Pool Code 24180			
Property Code 2597	•	erty Name COLE A	⁸ Well No. 8	
⁷ OGRID Number 4323	•	rator Name ON USA INC	⁹ Elevation 3392'	

O Surface Location

UI or lot	no Section	Township	Range	Lot.ldn	Feet From The	North/South Line	Feet From The	East/West Line	County
K	16	22-S	37-E		2130'	SOUTH	2130'	WEST	LEA

Bottom Hole Location If Different From Surface

UI or lot no.	Section	Township	Range	Lot.ldn	Feet From	The	North/South Line	Feet From The	East/West Line	County
Dedicated 40	I Acre	Joint or Infill	14	Consolidation	on Code	¹⁵ Ord	der No.			

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