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

P.O. Box Drawer DD, Artesia, NM 88211-0719

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-101 Revised February 10,199

Instructions on bac

Submit to Appropriate District Offic

OIL CONSERVATION DIVISION

DISTRICT III 1000 Rio Braz DISTRICT IV	000 Rio Brazos Rd., Aztec, NM 87410 ISTRICT IV Santa Fe, Ne						w Mexico 87504-2088 Fee Leas				ease - 6 Copie ease - 5 Copie		
P.O. Box 2088				R PER	міт то	DRILL, RE-EN	NTER	, DEEPEN, PL	LUGBACK, OR	L ADD		ED REPORT	
CHEVRON	USA INC	1	Operato	or Name	and Addr	ress					² OGRID Number 4323		
	15 SMITH ROAD, MIDLAND, TX 79705										3 API Nu 30-025	imber 5-27529	
4 F	' '					⁵ Prop H.T. MA	erty Na				r	ell No.	
						⁷ Surface	Loca	tion					
Ul or lot no.	Section	Towns	hip R	ange	Lot.ldn			orth/South Line	Feet From The	East/	West Line	County	
В	18	218		37E		660'		NORTH	1980'	E	EAST	LEA	
			8	Propo	sed Bot	tom Hole Loca				, <u>-</u>			
UI or lot no.	Section	Towns	hip F	Range	Lot.ldr	Feet From T	he N	North/South Line	Feet From The	East/	West Line	County	
	_l	9 Pro PENROSE	posed Po		l RG		1.		¹⁰ Proposed Poo	ol 2			
	k Type Code P		¹² W	/ellType C	ode	Rotary or C ROTARY	:Т.	¹⁴ Lea	se Type Code	¹⁵ Ground Level Elevation			
16 Mult			17 Pr	oposed D	epth	¹⁸ Formation		¹⁹ Contractor		²⁰ Spud Date			
	No			6810'		GRAYBURG	G 11/10/2004				04		
					²¹ Prop	osed Casing a	nd Ce	ement Progran	n	·	· ·		
SIZE O	F HOLE	SIZ	E OF CA	SING	WEK	GHT PER FOOT	SETTING DEPTH SACKS C			OF CEMENT EST. TOP			
NO CHANG	E												
				· · · · · · · · · · · · · · · · · · ·				,					
										-			
Describe the CHEVRON THE INTEN	U.S.A. INC	ntion progra	m, if any. 1 OS TO R , CURRE	Jse addition ECOMPIENT AND	nal sheets if LETE TH PROPO	BACK give the data on necessary. E SUBJECT WELL OSED WELLBORE	I FRO	M THE BLINERR	Y POOL TO THE	GRAY	PINISI	62728 RVOIR. 793031 — 123458	
I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief						OIL	CONSERVA	TION	DIVISIO	ON			
Signature Luse Rake						Арр	roved By:	aul II	my				
Printed Nar	<u> </u>	enise Lea	ke				Title	e: NOV 2 3	2004				
Title R	egulatory S	pecialist					App	proval Date:		Expirat	ion Date:		
Date 1	Date 10/28/2004 Telephone 915-687-7375				Con	nditions of Approv	al:						

H T Mattern C #15 API #30-025-27529 660' FNL & 1980' FEL S18, T21S, R37E Penrose Skelly Lea County, New Mexico

PROCEDURE

Use 8.6 ppg brine water. Do not exceed surface casing pressure of 350 psi at any point in job due to sqeeze perfs @ 2400'.

- 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 Larry Williams 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. Bleed any pressure off well. Use 8.6 ppg brine water to kill well. POOH w/ rods & pump (see Tbg Landing Detail). NDWH NUBOP & EPA equipment. Test BOP when possible. POOH w/ 2-3/8" Tbg (see Tbg Landing Detail).
- 3. RIH w/ 4-3/4" bit on 2-7/8" WS to 5525". POOH & LD bit.
- 4. RU WL & RIH w/5-1/2" CIBP. Set CIBP @ 5480' & dump 30' cmt on top. POOH. RD WL.
- 5. RIH w/ 5-1/2" Pkr. Set Pkr @ 5420'. Test CIBP to 1000 psi. Release Pkr & POOH.
- 6. MIRU Baker Atlas WL. Tag cmt & 5450'. Run Compensated Neutron log with GR/CCL from 2500'-4500'. Fax to Midland for correlation to Welex Compensated Density Dual Spaced Neutron Log (no collars) dated 1/08/1982 for proposed perforation depth shift. Run GR/CBL/CCL log from 4500' to 100' above cement top. Check proposed completion interval for good cement. If cement bond does not look adequate discuss squeezing options with engineer.
- 7. Perforate with 3-1/8" slick guns loaded w/ 4 JSPF, 120 degree phasing and 23 gram charges as follows: NOTE: Perf depths may shift after correlation but perf interval lengths will not.

Top Depth	Bottom Depth	Total Footage	Total Holes
3697	3701	4	16
3710	3722	12	48

3730	3741	11	44
3753	3756	- 3	12
3768	3772	4	16
3800	3808	8	32
3830	3838	8	32
3845	3850	5	20
3856	3859	3	12
3876	3880	4	16
3900	3905	5	20
3910	3916	6	24
3920	3923	3	12
3933	3936	3	12
3959	3962	3	12
3973	3983	10	40

- 8. RIH w/ 5-1/2" PPI packer w/ 12' element spacing and SCV. Test 2-7/8" WS to 4500 psi while RIH. Test PPI packer in blank pipe. Mark settings.
- 9. MIRU DS. Acidize perfs 3697'-3983' 15% NEFE HCl acid at a max rate of ½ BPM & 4000 psi surface pressure as follows:

Perfs	Acid Vol	Max Rate	PPI Setting
	 		
3697-3701	200 gals	1/2 bpm	3693-3705
3710-3722	200 gals	1/2 bpm	3710-3722
3730-3741	200 gals	1/2 bpm	3730-3742
3753-3756	200 gals	1/2 bpm	3749-3761
3768-3772	200 gals	1/2 bpm	3764-3776
3800-3808	200 gals	1/2 bpm	3798-3810
3830-3838	200 gals	1/2 bpm	3828-3840
3845-3850	200 gals	1/2 bpm	3841-3853
3856-3859	200 gals	1/2 bpm	3853-3865
3876-3880	200 gals	1/2 bpm	3872-3884
3900-3905	200 gals	1/2 bpm	3896-3908
3910-3916	200 gals	1/2 bpm	3907-3919
3920-3923	200 gals	1/2 bpm	3918-3930
3933-3936	200 gals	1/2 bpm	3929-3941
3959-3962	200 gals	1/2 bpm	3955-3967
3973-3983	200 gals	1/2 bpm	3972-3984

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 350 psi csg pressure. If stage can not be completed move to next and combine stage volumes.

- 10. 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.
- 11. POOH w/ PPI and LD. RIH w/ 5-1/2" frac pkr, on/off tool and profile on 3-1/2" WS testing to 7500 psi while RIH. Set packer @ +/- 3600'. Install frac head. Pressure test BS to 300 psi. Hold 300 psi on BS during frac job and observe for communication. Do not exceed 350 psi on BS at any point during job due to squeeze perfs.
- 12. MIRU DS. Frac well down 3-1/2" tubing at 40 BPM w/ 66,000 gals of YF135, 138,000 lbs. 16/30 mesh Jordan Sand, and 30,000 lbs resin-coated 16/30 mesh CR4000 proppant. Max treating pressure 7000 psi. 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 25,000 gals YF135 pad containing 5 GPT J451 Fluid Loss Additive

Pump 5,000 gals YF135 containing 1.5 PPG 16/30 mesh Jordan Sand

Pump 6,000 gals YF135 containing 2.5 PPG 16/30 mesh Jordan Sand

Pump 7,000 gals YF135 containing 3.5 PPG 16/30 mesh Jordan Sand

Pump 8,000 gals YF135 containing 4.5 PPG 16/30 mesh Jordan Sand

Pump 10,000 gals YF135 containing 5.5 PPG 16/30 mesh Jordan Sand

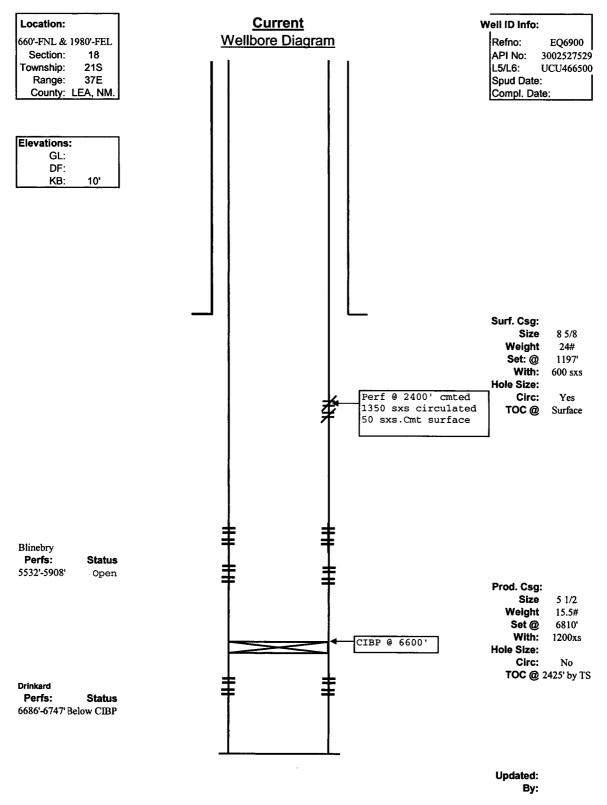
Pump 5,000 gals YF135 containing 6 PPG resin-coated 16/30 mesh CR4000 proppant

Flush to 3697'. **Do not overflush.** SI well and record ISIP, 5, 10, and 15 minute SIP. RD DS. SION.

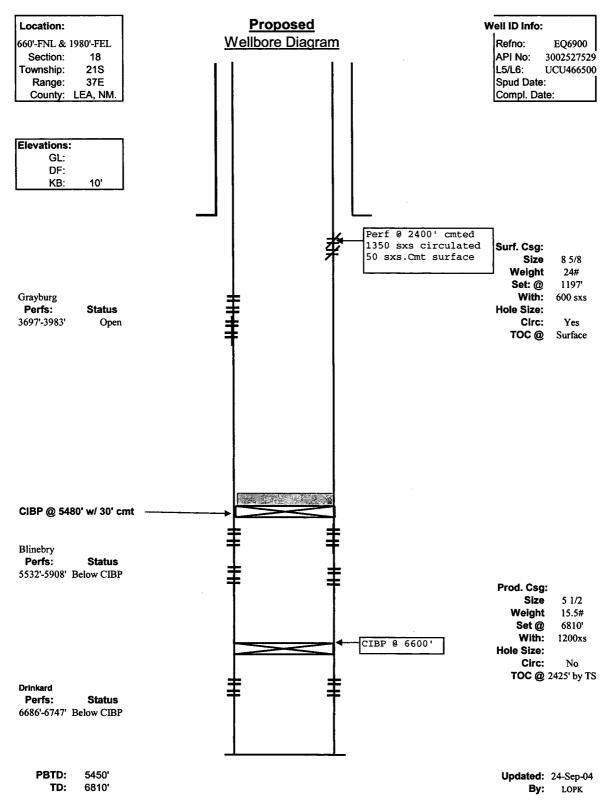
- 13. Open well and bleed off any pressure. RU swab and swab well checking for sand inflow. Discuss results w/ engineer. Release packer and POOH. RIH w/ 4-3/4" bit to 3400'. POOH & LD bit.
- 14. RIH w/ 2-3/8" production tbg & hang off as per ALS recommendation. NDBOP NUWH. RIH w/ rods & pump as per ALS recommendation.
- 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 505-390-2227 Cell 303-949-3021 Home

Reservoir: Blinebry



PBTD: 6768' TD: 6810'



DISTRIC:✓I P.O. Box 1980, Hobbs, NM 88241-1980

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

OIL CONSERVATION DIVISION

State of New Mexico

Energy, Minerals and Natural Resources Department

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 30-025-27529	Pool Code 50350	³ Pool Name PENROSE SKELLY GRAYBURG	
Property Code 2683	· ·	erty Name 6 Well No. TTERN NCT-C 15	
OGRID Number 4323	•	erator Name 9 Elevation ON USA INC	

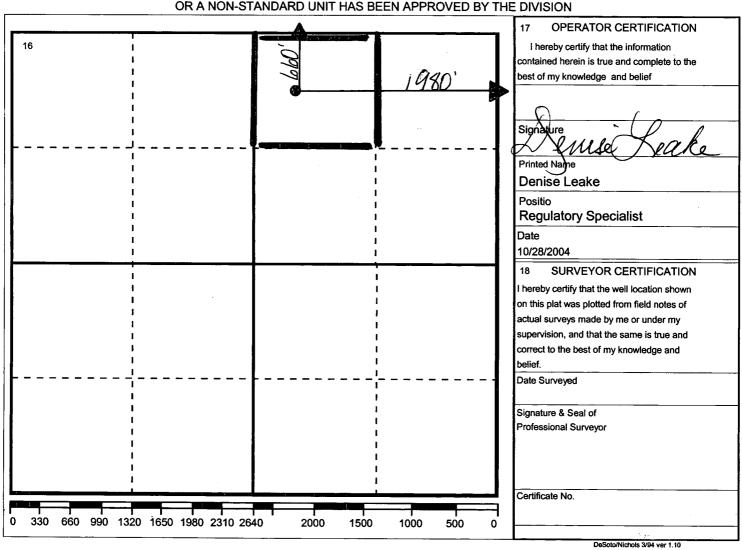
Surface Location

UI or lot no	Section	Township	Range	Lot.ldn	Feet From The	North/South Line	Feet From The	East/West Line	County
В	18	21S	37E		660'	NORTH	1980'	EAST	LEA

Bottom Hole Location If Different From Surface

UI or lot r	o. S	Section	Township	Range		Lot.ldn	Feet From	The	North/South Line	Feet From The	East/West Line	County
¹² Dedica	ted A	Acre	Joint or Infill		¹⁴ C	Consolidatio	n Code	¹⁵ Ord	ier No.			***************************************

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



to Appropriate District Office	Energy, Minerals and Natural F	Resources Department	Revised	
DISTRICT I	OIL CONSERVATI	ON DIVICION		
P.O. Box 1980, Hobbs, NM 88240	P.O. Box 200		WELL API NO. 30-025-27529	
DISTRICT II	Santa Fe, New Mexic	=	5. Indicate Type of Lease	
P.O. Box Drawer DD, Artesia, NM 88210	Santa re, New Wexid	U 013U4-2U00		E 🗹
DISTRICT III			6. State Oil / Gas Lease No.	
1000 Rio Brazos Rd., Aztec, NM 87410	TOTE AND DECORTS ON ME		Company of the second s	
(DO NOT USE THIS FORM FOR PRO		EN OR PLUG BACK TO	7. Lease Name or Unit Agreement Name	
	RVOIR. USE "APPLICATION FOR >-101) FOR SUCH PROPOSALS.	PERMI	H.T. MATTERN NCT-C	
1. Type of Well: OIL WELL WELL				
2. Name of Operator CHEVRON U	SA INC		8. Well No. 15	
3. Address of Operator 15 SMITH RO	DAD, MIDLAND, TX 79705		9. Pool Name or Wildcat PENROSE SKELLY GRAYBURG	
4. Well Location				
Unit Letter B : Section 18		RTH_Line and <u>1980'</u> Range <u>37E</u> NM	Feet From TheEASTLine	
		_	WW	
bearing a medicing of soft and the state of the second sec	10. Elevation (Show whether DF, RKI			ال 2- سما ويوپريد
Check Ap	opropriate Box to Indicate Na	ature of Notice, Report,	or Other Data	
NOTICE OF INTENTIO	N TO:	SU	JBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK	PLUG AND ABANDON	REMEDIAL WORK	ALTERING CASING	
TEMPORARILY ABANDON	CHANGE PLANS	COMMENCE DRILLING OPE	ERATION PLUG AND ABANDONMENT	
PULL OR ALTER CASING		CASING TEST AND CEMEN	☐ BOLTI	
OTHER: PIT INFO	DRMATION	OTHER:		
proposed work) SEE RULE 1103. THIE SUBJECT WELL WILL BE RECORNO PIT WILL BE USED FOR THIS RECORNO			VAL. 14.15.16.17.18.18.20.20.22.22.3.24 15.08.65.	
TYPE OR PRINT NAME OF SHORE (This space for Shore Lies) APPROVED CONDITIONS OF APPROVAL IF ANY:	enise Leake	ulatory Specialist	DATE11/8/2004 Telephone No. 915-687-7 NOV 2 3 2004	/375
U		•	DeSats/Nichola 12-53 ver 1.0	