District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

May 27, 2004
Submit to appropriate District Office

Form C-101

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Submit to appropriate District Office	
☐ AMENDED REPORT	

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK OR ADD A ZONE

PLUGB	AUK, OF	(ADD	AZUNE										
			¹ Operator Name	ess	² OGRID Number								
			CHEVRON U 15 SMITH						4323	³ API N	umb on	·	
		MIDLAND, TE	5				30 - 025-07		umber				
³ Property Code ⁵ Property						Name			1 30 023 07	001	⁶ Well N	G.	
	701				MARK O						1		
			Proposed Pool 1				10 Proposed Pool 2						
			E SKELLY; GRA	YBURG			l						
⁷ Surface	Location												
UL or lot no.	Section	Township	Range	Lot Idn Feet fr		om the	North/South	line	Feet from the	East/Wes	East/West line County		
1	J 34 21-S 37-E 1		80	SOUTH		1980 EA		ST LEA					
8 Proposed	Bottom Ho	le Loca	tion If Differen	nt From S	urface		L				<u>.</u>		
UL or lot no	8 Proposed Bottom Hole Location If Different UL or lot no Section Township Range			Lot Idn Feet from		North/South line		Feet from the East/Wes		est line County			
L	<u> </u>		<u> </u>										
Additiona		ıforma			, .— <u></u>								
	Type Code D		12 Well Type Co	ode	13 Cable	e/Rotary		¹⁴ L	ease Type Code	^		und Level Elevation	
,					18		P			3421 GL			
	fultiple	1	¹⁷ Proposed Dep 3884'	oth	,	mation 'BURG			9 Contractor	ł	²⁰ Spud Date		
Depth to Grou	NO undurator	L		Dictore	e from nearest fres		vell		Distance fron	nearest su	rface water		
Depin to Grou	indwater			Distance		sii watei v			Distance non	ii iicaicsi su	illacc wate.		
	Synthetic [mils thick Clay	Pit V	olume:bbl	S		g Metho					
Close	ed-Loop Syste	m 📙					Fresh '	Water L	Brine Die	esel/Oil-bas	sed [] Ga	s/Air L	
²¹ Propos	ed Casing	g and C	Cement Prog	ram		_							
Hole Size					g weight/foot		Setting Depth		Sacks of Cement		t Estimated TOC		
NO CH	NO CHANGE												
NOCIL	TIVOL	-				f							
					<u></u> .	 							
													
<u> </u>		····											
²² Describe t	he proposed r	rogram	If this application	is to DEE	PEN or PLUG BA	ACK, giv	re the data on	the pre	sent productive z	one and pr	onosed nev	w productive zone	
			ogram, if any. Us					F	F	MA ACID		p	
CHEVRON U	J.S.A. INC. II	NTENDS	TO DEEPEN TH	IE SUBJEC	CT WELL TO TH	IE BASE	OF THE GR	AYBU	RG FORMATIO	M & ACID	STIMULA	TE	
APITWILL	NOT RE USE	ED FOR T	HIS DEEPENIN	G					/22	•	- 6	(A)	
ATTI WILL	I O I DL OOL		THIS DEEL EATH							Ω.	₹.,	3415	
THE INTENI	DED PROCE	DURE, A	ND CURRENT A	AND PROP	OSED WELLBO	RE DIA	GRAMS AR	E ATTA	ACHED/FOR YO	UR APPR	OVAL.	[本]	
				-						# (30)		<u> </u>	
Bor	mit Exni	res 1	Year From	Appro	val				Š.	000	(Ca)	(a)	
761	Permit Expires 1 Year From Approval Date Unless Drilling Onderway								\\	-00 c	47	F3/	
	Date of		Deepe	٨					13		, A	61/	
			DC-1						1	154562	1.27 1	' /	
²³ I hereby cer	²³ I hereby certify that the information given above is true and complete to the												
best of my knowledge and belief I further certify that the drilling pit will be						OIL CONSERVATION DIVISION							
constructed according to NMOCD guidelines , a general permit , or								<u></u>					
an (attached) alternative OCD-approved plan .						Approv	ved by:	<i>.</i>	10	•			
Signature: Seule Penkerton								hin	Welles	Came .	,	•	
Printed name. DENISE PINKERTON						Title:		m p Ations 4	- June	/GENER	AL MAN	lactin	
Title: REGULATORY SPECIALIST					Approv	val Date	FICT S		xpiration I				
E-mail Address: leakejd@chevron.com							80	T 4	_™				
Date 10-09-2				687-7375		Conditi	ions of Appro	val Atta	the Ched			*******	
Date 10-09-2007 Phone: 432-687-7375							Conditions of Approval Attached						

Owen # 1 Penrose Skelly Field T21S, R37E, Section 34

Job: Drill Well Deeper To Base Of Grayburg Formation And Acid Stimulate

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 10/8/2007. 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/500 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.
- 3. MI & RU workover unit. Bleed pressure from well, if any. Pump down csg with 8.6 PPG cut brine water, if necessary to kill well. POH with rods and pump. Remove WH. Install BOP's and test to 1000 psi. Release TAC if possible. POH with 2 7/8" production tbg string. Note: It is likely that there is frac sand in the wellbore. The pump has been reported as stuck. If so, back off rods and strip out of the hole. Also, there may be sand on top of the TAC. If TAC is stuck, run free point, cut tbg and cleanout wellbore by washing over tbg and jarring TAC free. THE FRAC SAND IN THE WELLBORE MAY CONTAIN RADIOACTIVE ISOTOPES, SO USE PROPER HANDLING AND DISPOSAL PROCEDURES. HAVE TRACER-TECH SERVICES ((866) 595-3115) PRESENT TO MONITOR FOR RADIOACTIVE ISOTOPES. Also, do not exceed 350 psi casing pressure due to cmt squeezed casing leaks at 250' and 988'.
- 4. PU 5 3/8" MT bit and GIH on 2 7/8" work string to top of fill in wellbore. MI & RU air unit(s). LD and cleanout 5 ½"/5 3/8" open hole to TD at 3844'. Drill well deeper to a new TD of 3884'. Circulate well clean from 3884'.
- 5. MI & RU DS Services. Pump down tbg and spot 1000 gals anti-sludge 15% HCl acid* from TD up to 3075'. POH with 5 3/8" MT bit and drill string. LD MT bit. PU & GIH with 6" pkr on 2 7/8" work string to 3500'. Set pkr at 3500'. Pump down tbg and acidize openhole from 3600-3884' with 4,000 gals anti-sludge 15% HCl acid * at a maximum rate of 4 BPM and a maximum surface pressure of 2500 psi. Displace acid with 8.6 PPG cut brine water -- do not overdisplace. Record ISIP, 5 & 10 minute SIP's. RD and release DS services. Note: It is not necessary to pickle tbg due to low BHP.

* Acid system is to contain:

1 GPT A264

Corrosion Inhibitor Iron Control Agent

8 GPT L63

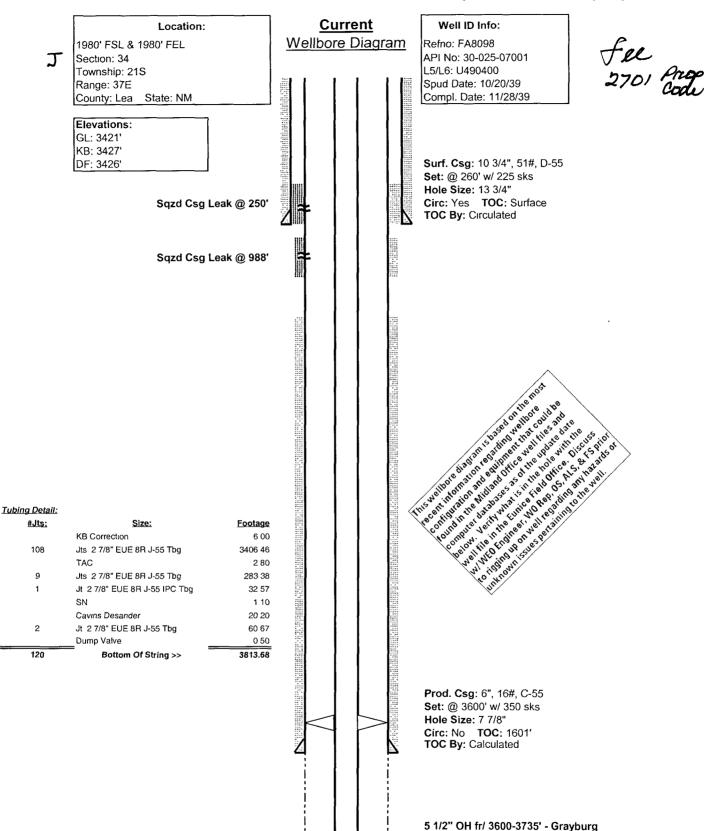
2 PPT A179	Iron Control Aid
20 GPT U66	Mutual Solvent
2 GPT W53	Non-Emulsifier

- **6.** Open well. GIH and swab back spent fluids. Recover 100% of treatment and load volumes before shutting well in for night, if possible. Report recovered fluid volumes, pressures, and/or swabbing fluid levels.
- 7. MI & RU pump truck. Pump down tbg with 50 bbls 8.6 PPG cut brine water containing 55 gals Baker RE-4777 Scale Inhibitor followed by 200 bbls 8.6 PPG cut brine water at **4 BPM** and **2500 psi maximum pressure**. RD and release pump truck. Release pkr. POH with 2 7/8" work string. LD 2 7/8" work string and packer.
- 8. 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, 8 jts 2 7/8" EUE 8R J-55 tbg, TAC, and 113 jts 2 7/8" EUE 8R J-55 tbg, testing to 5000 psi. Set TAC at 3500', with EOT at 3835' and SN at 3800'.
- 9. Remove BOP's and install WH. GIH with rods, weight bars, and pump per ALS recommended design. RD & release workover unit.
- 10. Turn well over to production. Report producing rates, choke sizes, flowing pressures and/or fluid levels.

AMH 10/8/2007

Field: Penrose Skelly

Reservoir: Grayburg



COTD: 3844' PBTD: 3844' TD: 3844'

Updated: 10/8/07

By: A. M. Howell

00

5 3/8" OH fr/ 3735-3844' - Grayburg

owen1 wb diagram xls 10/9/2007 5 18 AM