Submit 1 Copy To Appropriate District Office State of New Mexico	Form C-103
Energy Minerals and Natural Decourage	Revised August 1, 2011 WELL API NO.
District I - (575) 393-6161 Energy, Witherars and Natural Resources 1625 N. French Dr., Hobbs, NM 88240 District II - (575) 748-1283 HOBBS OCD CONSERVATION DIVISION	30-025-25198
011 C Direct Ct. Automic NIM 00010 VIII V A VINCILIA V A	5. Indicate Type of Lease
District III - (505) 334-6178 1000 Rio Brazos Rd., Aztec, NM 87410AR 0 6 2013 Santa Fe, NM 87505	STATE FEE
District IV – (505) 476-3460 Santa Fe, NIVI 8/505 1220 S. St. Francis Dr., Santa Fe, NM	6. State Oil & Gas Lease No.
SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A	7. Lease Name or Unit Agreement Name
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	LEONARD H. NCT-E
1. Type of Well: Oil Well Gas Well Other	8. Well Number 6
2. Name of Operator CHEVRON U.S.A. INC.	9. OGRID Number 4323
3. Address of Operator 15 SMITH ROAD, MIDLAND TEXAS 79705	10. Pool name or Wildcat PENROSE SKELLY GRAYBURG
4. Well Location	
Unit Letter A: 330 feet from the NORTH line and 600 Section 16 Township 21S Range 37E	feet from the EAST line 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
• • •	SEQUENT REPORT OF:
PERFORM REMEDIAL WORK PLUG AND ABANDON REMEDIAL WOR TEMPORARILY ABANDON CHANGE PLANS COMMENCE DRI	K
PULL OR ALTER CASING MULTIPLE COMPL CASING/CEMEN' DOWNHOLE COMMINGLE	TJOB L
OTHER: SONIC HAMMER, ACIDIZE & SCALE SQUEEZE OTHER:	
 Describe proposed or completed operations. (Clearly state all pertinent details, an of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Corproposed completion or recompletion. 	
CHEVRON U.S.A. INC. INTENDS TO SONIC HAMMER, ACIDIZE & SCALE SQUEE	TE THE PERES IN THE SURJECT WELL
	ZE THE LEAT ON THE GODDECT WEED.
THE INTENDED PROCEDURE, WELLBORE DIAGRAM & C-144 CLEEZ ARE ATTA	ACHED FOR YOUR APPROVAL.
Spud Date: Rig Release Date:	
Spud Date. Rig Release Date.	
I homely constituted that the information I have been a larger than the constitution of the constitution o	
I hereby certify that the information above is true and complete to the best of my knowledg	e and belief.
SIGNATURE STATE PERMIT SPECIALIS'	Γ DATE 3/5/2013
Type or print name SCOTT HAYNES E-mail address: TOXO@CHEVR For State Use Only	ON.COM PHONE: 432-687-7198
Mat 2KR.	Min 3/9/2012
APPROVED BY: 1 COMPLIANCE TITLE COMPLIANCE Conditions of Approval (if any):	DATE S/8/2013
	MAR 1 3 2013
	•

le Sqz Pump Schedule	100				
Step	Interval	_ 3 ~ 2)	2 dist.	/olume Scale Chem	Cum Volume
The state of the s	(ft),	(BPM)	(bbl)	(Gal)	(bbl)
1 Pump Chemical/brine while moving from	3968' - 3920'	5	10	41	11.0
2 Pump Brine while moving from	3968' - 3920'	5	30	on March 1888	41
Pump Chemical/brine while moving from	3968' - 3920'	5	10	7,741	52
4 Pump Brine while moving from .	3968' - 3920'		12	ر در است کار پاید کار	64
Move pipe to next interval of	3908' - 3846'				64
6 Pump Brine while moving from	3908' - 3846	5	18		82
7. / Pump Chemical/bring while moving from	3908' - 3846'	5	10	41	934
8 Pump Brine while moving from	3908' - 3846'	5	12,		105
9 Move pipe to next interval of	3846' - 3787'				105
10 Pump Brine while moving from	3846' - 3787	· * * 5 *	. 18		123
11. Pump Chemical/brine while moving from	3846' - 3787	5	10	42	134
12 Pump Brine while moving from	3846' - 3787'	.5	.115		145
13 Move pipe to next interval of	3787' - 3725				145
14 Pump Brine while moving from	3787' - 3725'	. 5	59 📜 🗼		204

- 11. Ensure Sonic Hammer is above all perforations. Do not exceed 500 psi casing pressure or 5 BPM while pumping scale squeeze or casing flush. RD and release pump truck.
- 12. Run back in the hole and tag for fill. If fill entry was indentified above 4,200', clean-out to 4400' following step 5.
- 13. POOH & LD 2-7/8" WS and Sonic Hammer tool.
- 14. RIH with 2-7/8" production tubing hydrotesting to 6,000 psi. Set TAC per ALCR recommendation. ND BOP. NU WH. RIH with rods and pump per ALCR. Hang well on. RD and release workover unit.
- 15. Turn well over to production.

FOAM / AIR CLEANOUT PROCEDURE

- This procedure is an addition to the original procedure.
 - 1. Install flowback manifold with two chokes. All components on flowback manifold must be rated to at least 5,000 psi. If possible, flowback manifold components should be hydrotested before delivery. Hardline pipes from 2" casing valve to manifold to half pit with gas buster.
 - 2. Install flowback tank downwind from rig.
 - 3. Position Air unit upwind from Rig next to water tanks. Have vacuum truck on standby to empty halfpit. (if needed)
 - 4. RIH with 4-3/4" MT bit, 4 (3-1/2") drill collars on 2-7/8" 6.5# L-80 WS.
 - 5. NU stripper head with <u>NO Outlets</u> (Check stripper cap for thread type course threads preferred). Stripper head to be stump tested to 1,000 psi before being delivered to rig. Check chart or test at rig.
 - 6. RU foam air unit. Make quality foam on surface before going down hole with foam/air. Install flapper float at surface before beginning to pump. Break circulation with foam/air. Evacuate fluid from well.

Pump high quality foam at all times. Do not pump dry air at any time. Fluid injection rates will generally be above 12 gallons per minute

Whenever there is pressure on the stripper head, have a dedicated person continuously monitor pressure at choke manifold and have a dedicated person at accumulator ready to close annular BOP in case stripper leaks. Do not allow pressure on stripper head to exceed 500 psi. If pressure cannot be controlled below 500 psi, stop pumping, close BOP and bleed off pressure.

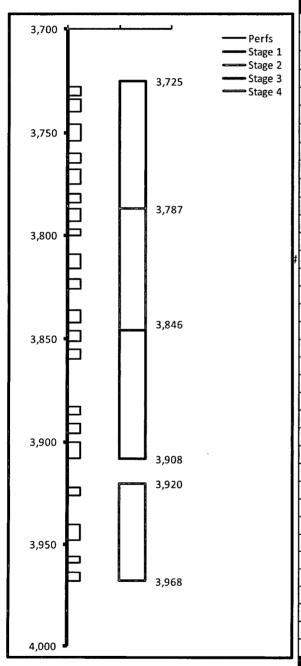
- 7. Clean out fill to 4,400' with low RPM's rotation and circulation, always keep pipe moving. Short trips can be beneficial to hole cleaning. Circulate well clean for at least 1 hour at the end of the day and pull up above the perforations before shut down for night. If the foam/air unit goes down, pull above the perforations.
- 8. When tripping out of hole, have special float bleed off tool available to relieve trapped pressure below float.

Ensure that high quality, stiff foam is pumped while circulating the fill. Stiff foam is required to prevent segregation while circulating. Monitor flow and pressures carefully when cleaning out.

Before rigging up power swivel to rotate, carefully inspect Kelly hose to ensure that it is in good condition. Ensure that swivel packing is in good condition.

Continue on with original procedure for completion.

Leonard H NCT-E #6



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			Perfs	Detail	The state of the s	30.00
	Top	Bottom	Interval	Length'	Status	Reservoir
	ft	ft ***	-⊚ ft	, i		B. 700
	3,728	3,73 2∵;	4	以为特	Open 🦫	Grayburg
	3,734	3,740	6	75 M	Open	Grayburg
	3,746	3,754		No.	Open	Grayburg
	3,760	3,765	5		Open	" Grayburg
	3,768	3,775	.,,7	دية . وي رو	Open	Grayburg
l,	3,780	3,784	. 4		Open	Grayburg
l	3,787	3,793	5 ئ	01, x 1, 1,	Open	Grayburg
1	3,797	3,800			Open	Grayburg
	3,809	3,816	7	***	Open	Grayburg
	3,821	3,826	 5		Open:	Grayburg
	3,836	*\:3,842	. 6	* 4	Open	Grayburg
	3,846	3,851	5	3,00	Open	Grayburg
	. 3,855	3,860	5		Open .*	Grayburg
ŧ	3,883	3,887	. 4		Open	Grayburg
	3,891	3,896	. 5		Open	Grayburg
	3,900 💐	3,908			Open	Grayburg
	3,922	3,926	4		Open	Grayburg
	<i>‡</i> 3,940 🖠	3,948			Open	Grayburg
	3,956	3,959	3	* ************************************	Open	Grayburg
	<u>,</u> 3,964	3,968	- 4		Open	Grayburg:
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	e e	Total		7.5		-1

240

107

3,728

3,968

Chevron U.S.A. Inc. Wellbore Diagram: LEONARDHE6G

Lease: OEU E	UNICE	Well No.: LEONARD H /NCT-E/ 6	Field: FLD-PENROSE SKELLY		
Location: 330FNL600FEL		Sec.: N/A	Blk:	Survey: N/A	
County: Lea	St.: New Mexico	Refno: EO8223	API: 3002525198	Cost Center: UCU492000	
Section: 16		Township: 021 S		Range: 037 E	
Current Stat	us: ACTIVE	CTIVE Dead Man Anchors Test Date: NONE		s Test Date: NONE	
Directions:					
491		Rod String Quantity (Top-Bottom D 1 @(14-40) 1.500 (1 1/2 in.) Spray 1 @(40-42) 0.750 (3/4 in.) D x 2 Ri 1 @(42-50) 0.750 (3/4 in.) D x 8 Ri 156 @(50-3950) 0.750 (3/4 in.) D x 4 @(3950-4050) 1.500 (1 1/2 in.) K 1 @(4050-4066) Rod Pump (Insert	Metal x 26 od Sub od Sub c 25 Rod x 25 Sinker Bar	- 25-150-R X BC -16-4 (Bore =	
1971 982		1.50) Surface Casing (Top-Bottom Depth) Desc @(14-1305) Wellbore Hole OD-11.0000 - N/A @(14-1305) K-55 8.625 OD/ 24.00# Round Short 8.097 ID 7.972 Drift Tubing String Quantity (Top-Bottom Depth) Desc 115 @(14-3588) J-55 2.875 OD/ 6.50# T&C External Upset 2.441 ID 2.347 1 @(3588-3591) Tubing Anchor/Catcher 2.875" 14 @(3591-4027) J-55 2.875 OD/ 6.50# T&C External Upset 2.441 ID 2.347			
3120		1 @(4027-4058) J-55 2.875 OD/ 6 - Internal Plastic Ctg-TK-99 1 @(4058-4060) Seat Nipple - Hea 1 @(4060-4064) J-55 2.875 OD/ 6 1 @(4064-4084) Sand Separator 2 @(4084-4142) J-55 2.875 OD/ 6	6.50# T&C External Up vy Duty (2.875") Cup 6.50# T&C External Up 6.50# T&C External Up	Type set 2.441 ID 2.347 Drift 2.347 Drift 2.347 Drift 2.347 Drift 2.347	
3739		1 @(4142-4143) Dump Valve (for u Production Casing (Top-Bottom De @(3728-3968) Perforations - Open @(6354-6389) Cast Iron Bridge Plu @(6461-6514) Perforations - Isolate	epth) <u>Desc</u> ug ed	<i>)</i> - ваге	
4310		@(6550-6553) Cast Iron Bridge Plug @(3728-6671) Producing Interval 02 PR @(6568-6671) Perforations - Isolated @(47-6720) Cement			

1	@(1305-6720) Wellbore Hole OD- 7.8750 - N/A			
1	@(14-6720) K-55 5.500 OD/ 15.50# Round Short	4.950 ID	4.825 Drift - N	l/A
1				

Ground Elevation (MSL):: 3465.00	Spud Date: 01/01/1976	Compl. Date: 05/01/2002
Well Depth Datum:: CSI0000N	Elevation (MSL):: 0.00	Correction Factor: 14.00
Last Updated by: fited	Date: 02/25/2013	