Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIG-HOBBS

RECEIVED
FEB 21 2011
HOBBSOCD

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE – *Other instructions on page 2.*

5. Lease Serial No.
LC032480

6. If Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No.

1. Type of Well
☐ Oil Well ☐ Gas Well ☑ Other SWD

8. Well Name and No.
C.H. LOCKHART FEDERAL NCT-1 #8

2. Name of Operator
CHEVRON U.S.A. INC.

9. API Well No.
30-025-12131

3a. Address
15 SMITH ROAD
MIDLAND, TEXAS 79705

3b. Phone No. *(include area code)*
432-687-7375

10. Field and Pool or Exploratory Area
SAN ANDRES (96121)

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*
660' FSL, & 660' FEL, SEC 18, UL: P, T-22S, R-38E

11. Country or Parish, State
LEA COUNTY, NEW MEXICO

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☑ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☑ Other ADD PAY
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

CHEVRON U.S.A. INC. INTENDS TO ADD PERFS USING A STIM-GUN & INSTALL LARGER INJECTION TBG STRING.

PLEASE FIND ATTACHED, THE INTENDED PROCEDURE, AND WELLBORE DIAGRAMS & PIT INFO FOR NMOCD.

SEE ATTACHED FOR CONDITIONS OF APPROVAL

SUBJECT TO LIKE APPROVAL BY STATE

Condition of Approval: *Notify OCD Hobbs office 24 hours prior to running MIT Test & Chart.*

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)*
DENISE PINKERTON

Title REGULATORY SPECIALIST

Signature Denise Pinkerton

Date 02/11/2011

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

APPROVED
FEB 16 2011
/s/ Dustin Winkler
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

EG 3-30-2011

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

C. H. Lockhart Federal (NCT-1) # 8 SWD
Blinebry Field
T22S, R38E, Section 18

Job: Add Perfs Using Baker STIM-GUN And Install Larger Injection Tbg

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 1/20/2011. 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 injection line with fresh water. Have field specialist close valve at header. Pressure test injection line to 2000 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 tbg with 8.6 PPG cut brine water, if necessary to kill well. Remove WH. Install BOP's. Release on-off tool and LD 1 joint of 2 3/8" tbg. PU and GIH 30' with 5 ½" pkr. Set pkr and test BOP's to 250 psi (low) and to 1000 psi (high). Release pkr. POH with 1 joint tbg and pkr. LD pkr.

4. Re-engage on-off tool. Release ArrowSet pkr at 4207'. POH LD 2 3/8" IPC injection tbg string. LD on-off tool and packer.

5. MI & RU Baker Atlas electric line unit. Install lubricator and test to 2000 psi. GIH and conduct GR/CNL/CCL from 5500' up to 3500'. POH. E-mail log to Caleb Osborn (COFT@chevron.com) and Mike Howell (MAHO@chevron.com) for perforation depth adjustment. GIH with 3 3/8" STIM-GUNs (approximately 0.42" EH & 47" penetration) and perforate from 4410-20', 4440-50', 4520-30', and 4890-4900' in separate runs. **Ensure that fluid level in wellbore is > 500' from surface prior to perforating.** POH. RD & release electric line unit. **Note: Notify Baker Atlas 5 days in advance of perforating job. Use Welex Radioactivity Log dated 6/7/1959 for depth correlation. Also, note that exact perforation depth (not length of gun) will change after evaluating GR/CNL Log.**

6. PU & GIH with 5 ½" pkr and SN on 2 7/8" work string to 4200'. Set pkr at 4200'. Pressure test casing and pkr to 350 psi. **Note: Do not exceed 350 psi due to cmt sqzd casing leak at 2910'.**

7. Open well. GIH and swab well until recovered fluid is clean with no solids. Report hourly recovered fluid volumes, pressures, oil cuts, gas volume, and swabbing fluid levels. Swab well for a minimum of 4 hours. Release pkr. POH LD 2 7/8" work string and pkr.

8. PU and GIH w/ 5 ½" Arrowset 1-X NP pkr and on-off tool with 2.25" "F" profile on 3 ½" IPC tbg string to 4200'. Test tbg to 5000 psi while GIH. Set pkr at 4200'. Fill casing with corrosion inhibited packer fluid and pressure test to 350 psi. **Note: Do not exceed 350 psi due to cmt sqzd casing leak at 2910'.**

9. Remove BOP's and install WH. Pressure test 5 ½" csg to 500 psi and record chart for 30 minutes. Send chart to Denise Pinkerton for filing with NMOCD. Rig down and release workover unit. **Note: Notify NMOCD of MIT Test with 48 hours advance notice.**

10. Turn well over to production. Report injection rates and tubing pressures.

AMH
2/9/2011

WELL DATA SHEET

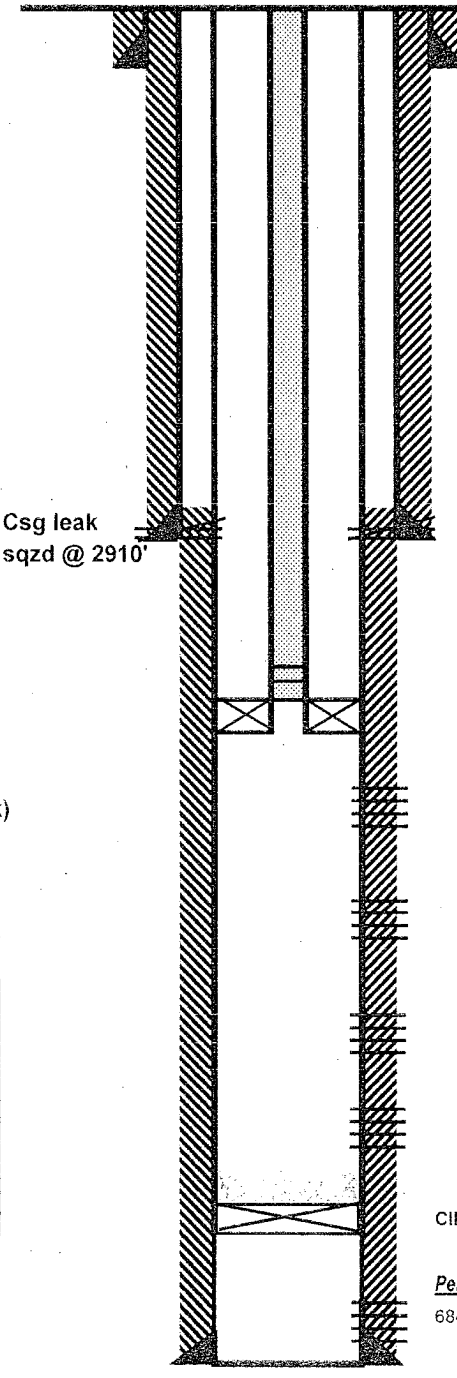
Field:	San Andres	**Well Name:**	C. H. Lockhart Federal (NCT-1) #8			**Lease Type:**	Federal
Location:	660' FSL & 660' FEL	**Sec:**	18-P	**Township:**	22S	**Range:**	38E
County:	Lea	**State:** New Mexico	**Refno:** FB3080	**API:**	30-025-12131	**Cost Center:**	UCU464100
Current Status:	SWD						
Current Producing Formation(s):	San Andres						

Current

167	***Surface Csg.***	
335	**Size:**	**13 3/8"**
502	**Wt.:**	**48#**
670	**Set @:**	**398'**
837	**Sxs cmt:**	**550**
1005	**Circ:**	**Yes**
1172	**TOC:**	**Surface**
1340	**Hole Size:**	**17-1/2"**
1507		
1674	***Intermediate Csg.***	
1842	**Size:**	**8 5/8"**
2009	**Wt.:**	**24#**
2177	**Set @:**	**2901'**
2344	**Sxs Cmt:**	**1200**
2512	**Circ:**	**Yes**
2679	**TOC:**	**Surface**
2847		
3014	***Production Csg.***	
3181	**Size:**	**5 1/2"**
3349	**Wt.:**	**14.7#**
3516	**Set @:**	**7200'**
3684	**Sxs Cmt:**	**650**
3851	**Circ:**	**No**
4019	**TOC:**	***3130' by TS**
4186	(*TOC may have changed	
4353	since they sqzd the csg leak)	
4521		
4688		
4856		
5023		
5191		

5358	Top Salt	1468'
5526	Base Salt	2335'
5693	Top Yates	2616'
5860	Top San Andres	4008'
6028	Top Glorieta	5202'
6195	Top Blinebry	5640'
6363	Top Tubb	6193'
6530	Top Drinkard	6470'

6698		
6865		
7033	**PBTD:**	**6715'**
7200	**TD:**	**7200'**



KB:	3382'
DF:	3381'
GL:	3370'
Spud Date:	5/15/1959
Compl. Date:	6/7/1959

# jts	Tubing Detail as of 3/23/2010:	Length
	KB to Hanger Distance	12.00
133	2-3/8" EUE 4.7# J-55 IPC Tubing	4193.30
	On-Off Tool w/ 1.78" "F" Profile	1.70
	Arrowset 1-X NP Packer	7.68
133	**End of Tubing ==>**	**4214.68**

This wellbore diagram 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 the update date below. Verify what is in the hole with the well file in the Eunice Field Office. Discuss w/ WEO Engineer, WO Rep, OS, ALS, & FS prior to rigging up on well regarding any hazards or unknown issues pertaining to the well.

Perfs:	*Status:*
4265'-75'	*San Andres - Open*
4340'-50'	*San Andres - Open*
4390'-4400'	*San Andres - Open*
4480'-90'	*San Andres - Open*
4580'-90'	*San Andres - Open*
4660'-70'	*San Andres - Open*
4700'-10'	*San Andres - Open*
4780'-90'	*San Andres - Open*
4865'-75'	*San Andres - Open*
4925'-35'	*San Andres - Open*

CIBP @ 6751', top w/ 35' cmt to 6715'

Perfs (1959)

6846'-7158' - Drinkard - open

Updated by: MAHO
Date: 8/2/2010

WELL DATA SHEET

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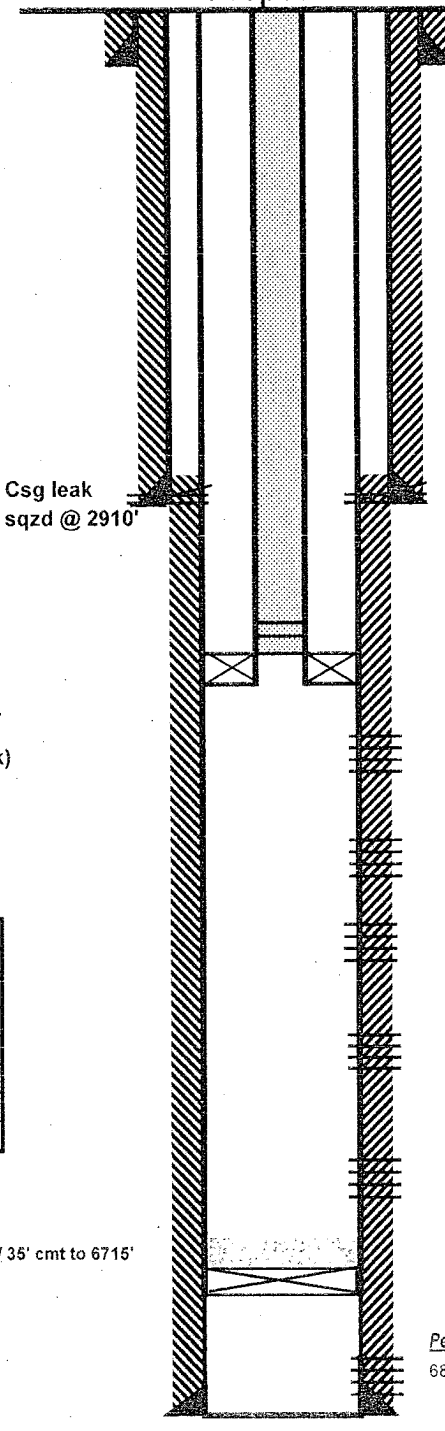

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4890'-4900'	*San Andres - Open*
4925'-35'	*San Andres - Open*

Perfs (1959)
6846'-7158' - Drinkard - open

Updated by: MAHO
Date: 1/18/2011