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Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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.*

1 Type of Well ☐ Oil Well ☐ Gas Well ☑ Other SWD	5 Lease Serial No LC-032100-
2 Name of Operator CHEVRON U.S A INC.	6 If Indian, Allottee or Tribe Name N/A
3a Address 15 SMITH ROAD,MIDLAND, TEXAS 79705	3b Phone No *(include area code)* 432-687-7375
4 Location of Well *(Footage, Sec , T ,R ,M , or Survey Description)* 660' FSL & 660' FEL, SEC 18,K UL P, T-22-S, R-38-E	7 If Unit of CA/Agreement, Name and/or No N/A
	8 Well Name and No C H LOCKHART FEDERAL NCT-1 #8
	9 API Well No 30-025-12131
	10 Field and Pool or Exploratory Area ~~BRUNSON~~ SWD SAN ANDRES, ~~EAST~~ L961217
	11 Country or Parish, State LEA, 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 SWD-1138
	☐ 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)

CHYEVRON U S.A INC. INTENDS TO RECOMPLETE THE SUBJECT WELL TO THE SAN ANDRES FOR USE AS A DISPOSAL WELL ADMINISTRATIVE ORDER SWD-1138 IS ATTACHED FOR YOUR APPROVAL. ALSO, PLEASE FIND ATTACHED THE APPROVED 3160-5 FOR TA ASKING FOR PLANS TO BE SUBMITTED WITHIN 60 DAYS. THE WELL WAS TA'D ON 10-15-08

THE RECOMPLETION TO THE SAN ANDRES SHOULD TAKE PLACE IN MARCH, 2009.

PLEASE FIND ATTACHED THE INTENDED PROCEDURE AND THE CURRENT AND PROPOSED WELLBORE DIAGRAMS.

APPROVED
FEB 16 2009
JAMES A. AMOS
SUPERVISOR-EPS

14 I hereby certify that the foregoing is true and correct Name *(Printed/Typed)* DENISE PINKERTON	Title REGULATORY SPECIALIST
Signature Denise Pinkerton	Date 11/24/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title DISTRICT 1 SUPERVISOR	Date
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	

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
San Andres
T22S, R38E, Section 18
Job: Convert to SWD

Completion 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 4/1/2008. 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. Disconnect flowline at wellhead and at battery and tag out of service.

3. MI & RU workover rig. Bleed pressure from well, if any. Pump down csg with 8.6 PPG cut brine water, if necessary to kill well. Remove WH. Install BOP's and test as required.

4. MI & RU Baker Atlas electric line unit. Install lubricator and test to 1000 psi. GIH with gauge ring and junk basket (for 5-1/2" 14# csg) to PBTD @ 6716'. POH.

5. GIH with 3-3/8" Predator guns and perforate the following interval with 4 JSPF at 120 degree phasing using 23 gram premium charges:

Top Perf	Bottom Perf	Net Feet	SPF	# Holes
4925	4935	10	4	40
4865	4875	10	4	40
4780	4790	10	4	40
4660	4670	10	4	40
4480	4490	10	4	40
4340	4350	10	4	40
			Total	240

Note: Use Welex Radioactive log Dated 6-7-1959 for depth correction

6. POH. RD & release WL.

7. RIH w/5-1/2" PPI packer w/SCV & 12' element spacing on 2-7/8 workstring. Test PPI packer in blank pipe. Mark settings.

8. MI & RU SLB Services. Acidize perfs 4340-4935' with 4,800 gals 15% NEFE HCl acid* at a maximum rate of ½ BPM and a maximum surface pressure of 3,500 psi as follows:

Perf Interval	Net Feet	Acid Volume	Rate	PPI Setting
4925-4935	10	800	1	4924-36'
4865-4875	10	800	1	4864-76'
4780-4790	10	800	1	4779-91'
4660-4670	10	800	1	4659-71'
4480-4490	10	800	1	4479-91'
4340-4350	10	800	1	4339-51'
Total	60	4800		

Displace acid with 8.6 PPG cut brine water -- do not over displace. Use a SCV to control displacement fluid. Record ISIP, 5 & 10 minute SIP's. RD and release SLB services.
* Acid system to contain:

1 GPT A264	Corrosion Inhibitor
8 GPT L63	Iron Control Agents
2 PPT A179	Iron Control Aid
20 GPT U66	Mutual Solvent
2 GPT W53	Non-Emulsifier

9. Release PPI & PU to approximately 3600'. Set pkr @ 4250'. Fish SCV & SV. Swab back all intervals together. Recover 100% of treatment and load volumes before shutting well in for night, if possible. Report recovered volumes, pressures, and/or swabbing fluid levels.

10. Open Well. Pump down tbg with reverse unit and establish injection rate into perfs at 3 BPM using 200 bbls 8.6 ppg cut brine water. Release PPI pkr. POH w/tbg and PPI pkr. LD PPI tool.

11. TIH w/new 5-1/2" nickel plated injection packer, with on-off tool w/1.78" profile nipple, and 135 jts 2-3/8" J-55 IPC tbg to 4250', testing to 5000 psi. Displace tbg-csg annulus with corrosion inhibited pkr fluid. Set PKR @ 4250'.

12. Pressure test csg and pkr to 500 psi. Pump down tbg with 8.6 ppg cut brine water to confirm injectivity. Remove BOP's and install WH. RD & release Key PU & RU.

13. Notify OCD and perform MIT test. Pressure test 5 ½" csg and pkr to 500 psi and record chart for NMOCD.

14. Turn well over to production. Report injection rates and pressures.

Engineer- Lonnie Grohman
432-687-7420 – Office
432-238-9233 – Cell

WELL DATA SHEET

Field:	Blinebry O&G	**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:	SI - Injector						
Current Producing Formation(s):	Drinkard/Abo WI well						

CURRENT

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

Surface Csg.

Size:	**13 3/8"**
Wt.:	**48#**
Set @:	**398'**
Sxs cmt:	**550**
Circ:	**Yes**
TOC:	**Surface**
Hole Size:	**17-1/2"**

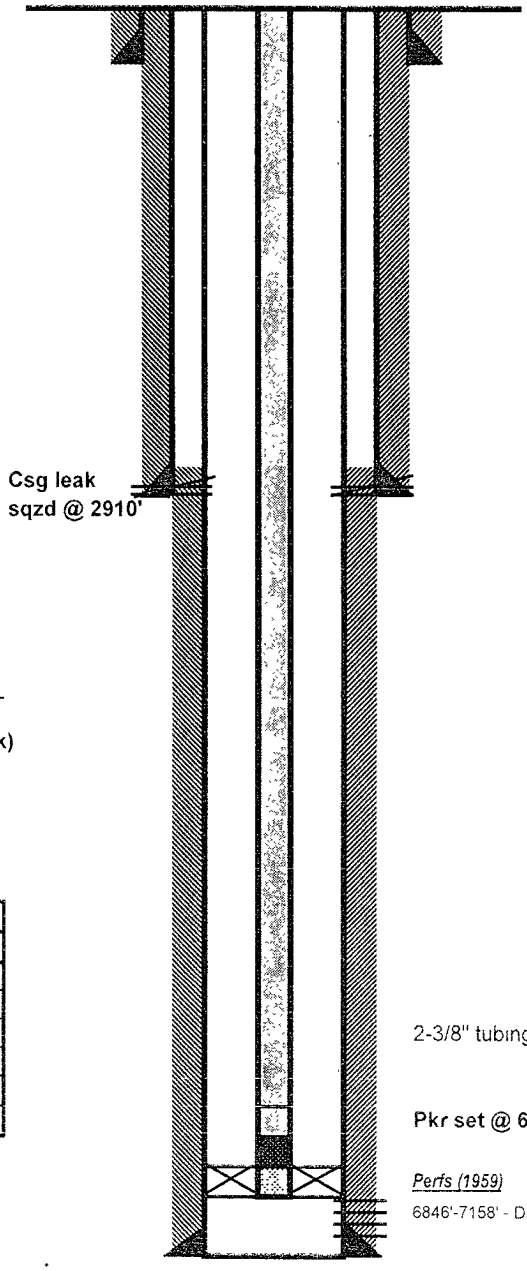
Intermediate Csg.

Size:	**8 5/8"**
Wt.:	**24#**
Set @:	**2901'**
Sxs Cmt:	**1200**
Circ:	**Yes**
TOC:	**Surface**

Production Csg.

Size:	**5 1/2"**
Wt.:	**4.7#**
Set @:	**7200'**
Sxs Cmt:	**650**
Circ:	**No**
TOC:	***3130' by TS**

(*TOC may have changed since they sqzd the csg leak)



Top Salt	1468'
Base Salt	2335'
Top Yates	2616'
Top San Andres	4008'
Top Glorieta	5202'
Top Blinebry	5640'
Top Tubb	6193'
Top Drinkard	6470'

PBTD:	**7190'**
TD:	**7200'**

epared by: K M Jackson
Date: 7/10/2003

WELL DATA SHEET

Field:	BRUNSON Blinebry-O&G	**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	**Chevno**	FB3080	**API:**	30-025-12131	**Cost Center:**	UCU464100
Proposed Status:	SWD						
Disposal Formation:	San Andres						

PROPOSED

Surface Csg.

Size:	13 3/8"
Wt.:	48#
Set @:	398'
Sxs cmt:	550
Circ:	Yes
TOC:	Surface
Hole Size:	17-1/2"

Intermediate Csg.

Size:	8 5/8"
Wt.:	24#
Set @:	2901'
Sxs Cmt:	1200
Circ:	Yes
TOC:	Surface

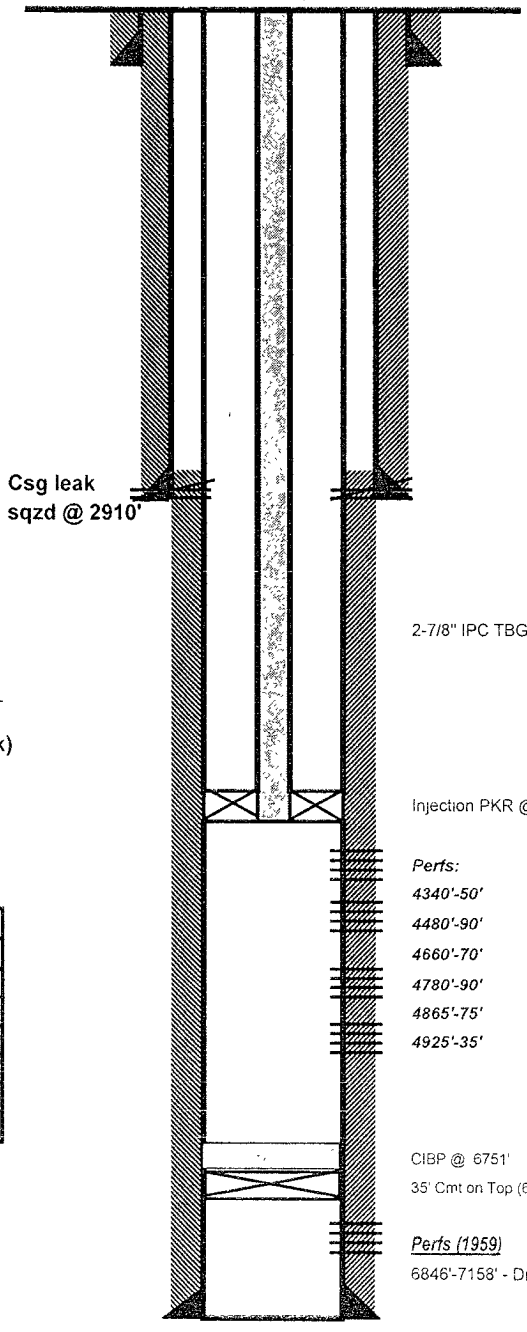
Production Csg.

Size:	5 1/2"
Wt.:	4.7#
Set @:	7200'
Sxs Cmt:	650
Circ:	No
TOC:	*3130' by TS

(*TOC may have changed since they sqzd the csg leak)

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

8050 Brunson San Andres, Gas



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Top Glorieta	5202'
Top Blinebry	5640'
Top Tubb	6193'
Top Drinkard	6470'

PBTD:	6716'
TD:	7200'

epared by: C J Haynie
Date: 4/1/2008