Form 3160-5 DEPART (June 1990) BUREAU	L FED STATES MENT OF THE INTERIOUTI CONS. OF LAND MANAGEMENT DIV-DIST. 2	FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993	
SUNDRY NOTION Do not use this form for proposals	1301 W. Grand Avenue CES AND REPORTED WELLIST 88210 to drill or to deepen or reentry to a different reservoir. IN FOR PERMIT	5. Lease Designation and Serial No. NM-86710 6. If Indian, Alottee or Tribe Name	
	BMIT IN TRIPLICATE	7. If Unit or CA, Agreement Designation	
1. Type of Well: OIL GAS WELL	OTHER	8. Well Name and Number BILBREY 33 FEDERAL	
2. Name of Operator CHEVRON USA	A INC	2	
3. Address and Telephone No. 15 SMITH ROA	D, MIDLAND, TX 79705 915-687-737	9. API Well No. 30-025-32383	
4. Location of Well (Footage, Sec., T., R., M., or Sur Unit Letter K : 1980 Feet From	rvey Description) n The SOUTH Line and 2310 Feet From The	10. Field and Pool, Exploaratory Area BILBREY MORROW (GAS)	
WEST Line Section 33	Township 21S Range 32E	11. County or Parish, State LEA , NEW MEXICO	
12. Check Appropria	ate Box(s) To Indicate Nature of Notice, R	eport, or Other Data	
TYPE OF SUBMISSION Notice of Intent Subsequent Report Final Abandonment Notice	Abandonment Recompletion Plugging Back Casing Repair Atlering Casing V OTHER: FRAC STIMULATE MO	Change of Plans New Construction Non-Routine Fracturing Water Shut-Off Conversion to Injection	

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*.

11-18-02: MIRU. 11-20-02: TIH W/WS TO 2910'. 11-25-02: BREAK CIRC W/FOAM. 11-26-02: TAG CIBP @ 14,453'.DO CIBP @ 14,453'.FELL FREE. WSH TO 14,472. DRILL ON BTM PIECE CIBP & CMT BASKET. PUH TO 14,410'. 11-27-02: DRILL & C/O WELL FR 11473-11476.PUH TO 14,410'. 11-410'.

12-02-02: DRILL ON CMT BASKET 14476-78'. FELL FREE. WSH TO 14,568. 12-04-02: TIH & SET CIBP @ 14,535. 12-05-02: DUMP BAIL 20' CMT ON CIBP. PERF 14,387-14,400., 14373-83. TIH W/2 7/8" TBG. 12-07-02: TIH W/PKR TO 10,875'. 12-09-02: SET PKR @ 14,350. 12-10-02: REL PKR. RU SWAB. 12-11-02: TAG UP @ 11,273. SHOOT 4 HLS IN TBG @ 11,245. FOUND BRIDGE INSIDE TBG FR 11,273-11,278. 12-12-02: TIH & SET TOP OF PKR @ 14,320. TIH W/ON/OFF TOOL. 12-14-02: NU FRAC HEAD. 12-16-02: PICKLE W/100 GALS 15% HCL. TIH WWSH TOOL & JET TBG DRY TO 14,399. PUMP 500 TO 700 SCFM N2. PICKLE TBG @ 14,300 W/300 GALS 15% HCL. SPOT 350 GALS 15% NEFE HCL. 12-17-02: ACIDIZE W/3000 GALS 7 1/2% GASWELL ACID & FRAC W/19,250 GALS WF240. LEFT FLOWING. 12-18-02: TIH W/SINKER BARS. TAG SAND @ 14,387. TIH W/BLANKING PLUG. TAG @ 14,317. UNABLE TO SET PLUG. CAME FREE. 12-19-02: C.O SAND TO PBTD @ 14,515. 12-20-02: TIH W/BLANKING PLUG. TAG PROFILE NIPPLE @ 14,320. JAFS NOT WORKING. PLUG PACKED W/SAND. FLUSH TBG 12-21-02: PERF TBG @ 14291. ND FRAC HEAD. REL PKR. LD 160 JTS 3 1/2" TBG. 12-22-02: LD PKR. 12-26-02: TIH W/GUAGE RING TO 14,320. TIH W/R' NIP, TBG SUB, MODEL 'M' PKR & ON/OFF TOOL.SET PKR @ 14,320. 12-27-02: RUN TBG TO 14,377. PULL ABOVE PERFS. 12-31-02: PU TBG TO 14,419. ENGAGE PKR. WRK UP HOLE. RU SWAB. 01-02-03: PU SN. TIH W/443 JTS 2 3/8" TBG TO 14,414. 01-03-03: TURN OVER TO PRODUCTION.

DATE	
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	1/14/2003
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false, fictitious or fraudulent st	latements or

Form 31. ³ 0-5 (June 1990)	LÉ TED STATES DEPARTMLINT OF THE INTERIO BUREAU OF LAND MANAGEMEN		FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993
Do not use this for	UNDRY NOTICES AND REPORTS ON rm for proposals to drill or to deepen or reent e "APPLICATION FOR PERMIT" for such	ry to a different reservoir.	5. Lease Designation and Serial No. NM-86710 6. If Indian, Alottee or Tribe Name
	SUBMIT IN TRIPLICATE		7. If Unit or CA, Agreement Designation
1. Type of Well: OIL WE			8, Well Name and Number BILBREY 33 FEDERAL
2. Name of Operator	CHEVRON USA INC		2
3. Address and Telephone No.	15 SMITH ROAD, MIDLAND, TX 79705	915-687-737	9. API Well No.
4. Location of Well (Footage, Sec Unit Letter K : 19	c., T., R., M., or Survey Description) 80 Feet From The SOUTH Line and 23	10 Feet From The	10. Field and Pool, Exploaratory Area BILBREY MORROW (GAS)
WEST Line Section	on <u>33</u> Township <u>21S</u>	Range 32E	11. County or Parish, State LEA , NEW MEXICO
· · · · · · · · · · · · · · · · · · ·	ck Appropriate Box(s) To Indicate	e Nature of Notice, R	eport, or Other Data
Very PE OF SUBMISSIC Notice of Intent Subsequent Report Final Abandonment N	Aban Reco Plugo Casir Atleri	donment mpletion ging Back ng Repair ng Casing	Change of Plans New Construction Non-Routine Fracturing Water Shut-Off Conversion to Injection

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is
directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*.

CHEVRON U.S.A. INC. INTENDS TO FRACTURE STIMULATE THE SUBJECT WELL AND THUS RESTORE THE WELL TO ECONOMIC PRODUCTION.

THE INTENDED PROCEDURE & WELLBORE DIAGRAM IS ATTACHED FOR YOUR APPROVAL.

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14. I hereby certify that the foreboing is true a SIGNATURE	and correct faile	TITLE_	Regulatory Specialist	DATE	11/1/200
TYPE OR PRINT NAME	Denise Leake				
(This space for Federal or State office use)	ROVED				
APPROVED JELE COD DAVIDE CILLS		\$3 	DATE		
Title 18 U.S.C. Section 1001, may representations as to any matter with	Va crime for an underson knowingly and in its jurisdiction.	I willfully to ma	ke to any department or agency of the United States a	ny false, fictitious or fraudulent sta	itements or

Bilbrey 33 Fed #2 Morrow Workover Procedure

1980' FSL & 2310' FWL Section 33, T21S, R32E Lea County, New Mexico

Date: June 18, 2002 WBS No: UWPNM-R2064 Cost Center: BCPH11300

Elevation: 3746' GL 3771' KB <u>TD</u>: 14,950' <u>PBTD</u>: 14,446' <u>Surface</u>: 13 3/8", 54.5# K-55 casing at 825' w/ 760 sx, circ. <u>Intermediate</u>: 9 5/8", 40#, L-80, K-55 & S-80 at 4,640' w/ 1800 sx, circ. <u>Intermediate</u>: 7", 26# P-110 at 12,300', DV @ at 8518' w/ 1900 sx. TOC 2500' by TS. <u>Production</u>: 5", 18#, S-95 Liner 11,808'-14,950' w/ 425 sx. CIBP at 14,446' <u>Open Perfs</u>: Morrow (4 SPF) 14,418'-428', 14,430'-438' <u>Tubing</u>: 2-3/8", 4.7#, N-80 w/ 1.78" SN at 14,419'. <u>Perfs Below CIBP</u>: Morrow (4 JSPF) 14,456'-486', 14,546'-554', 14,564'-569' <u>Junk in Hole</u>: 1) Remains of failed cement basket & cement plug below perfs 14,486'. 2) TCP gun (3-3/8" x 74') dropped to bottom from original completion. <u>Comments</u>: 1. Use 4% KCL for kill fluid.

PROCEDURE

- 1. Remove plunger lift equipment. Wait minimum 72 hours to run pressure survey.
- 2. RU slickline. Obtain static gradient at 5000', 10,000', 11,000', 12000', 13,000', 14,000' and 14,400'. POOH w/ bomb. Set plug in SN at 14,419'. RD slickline.
- 3. MIRUPU. ND Tree. NU 7-1/16" 10M BOP's. Use minimal volume to kill well.
- 4. TOOH w/ 2-3/8" tubing, standing back.
- 5. TIH w/ 4-1/8" bit and collars on 2-7/8" workstring. RU power swivel and air drilling equipment.
- 6. Tag CIBP at 14,486'. Drill out CIBP using air mist. Drill out remnants of cement basket & cement plug at 14,486'. Clean out hole to 14,540'. TOOH w/ bit.
- 7. RU Baker Atlas. RIH w/ CIBP for 5", 18# casing and set at 14,535'. RIH w/ dump bailer. Dump 35' cement plug on top of CIBP at 14,535'. RD Baker Atlas. NOTE: Correlate to the Halliburton CBL dated 3/24/94.

Bilbrey 33 Fed #2 Morrow Workover Frocedure June 18, 2002

- 8. TIH with Baker Reliant Model M packer for 5", 18# casing with on-off tool containing a 1.875" F Nipple on 85 joints 2-7/8" P105 workstring w/ 4-1/2" Hydrill CS workstring to surface. Assembly below packer to consist of one joint 2-3/8" N-80 tubing, a 1.81" R no-go nipple (Baker) and a wireline re-entry guide. Test tubing to 10,000 psi while running in.
- 9. Set packer in 5" liner (TOL 11,808') at approximately 14,350'. Pressure test annulus to 2500 psi.
- 10. Pump 2500 gals 7-1/2% Gas Well Acid w/ additives as per attached specifications at 3-5 BPM. Flush to top perf at 14,418' w/N2. Anticipated STP is 8500 psi.
- 11. Flow/Swab to recover acid load (60 bbls).
- 12. Install tree saver. RU Schlumberger. RU flowback manifold and line to blowdown tank. Anchor lines and test to 11,000 psi.
- Pressure annulus to 2500 psi. Fracture stimulate Morrow perfs 14,418'-14,486' down 4-1/2" x 2-7/8" workstring w/ 63,000 gals 65Q CO2 foam and 69,000 lbs bauxite at 25 BPM as per attached design. Flush to top perf w/ 8220 gals 65Q CO2 foam.
- 14. Record 5, 10 & 15 minute shut-in pressures. Open well to flowback manifold and blowdown tank at 0.25-0.50 BPM rate to achieve forced closure. Continue to flow well back to recover load and until CO2 content is below 3%.
- 15. RU slickline. Set 1.87" F plug in profile nipple in on/off tool. RD slickline.
- 16. Release on/off tool and TOOH w/ workstring, laying down.
- 17. TIH w/ 2-3/8" N-80 tubing w/ overshot for on/off tool. Load annulus w/ packer fluid. Latch on to packer w/ on/off tool. ND BOP's. NU tree.
- 18. Swab fluid level down to balance pressure above plug w/ formation pressure recorded in Step 2.
- 19. RU slickline. Pull F plug from profile nipple in on/off tool. RIH w/ sinker bar and check for fill. RD slickline.
- 20. Clean out fill w/ coiled tubing, if necessary.
- 21. Flow/swab to kick well off.
- 22. RDMOPU. Turn over to production.

WELL DATA SHEET

