OCD-HOBBS

Form 3160-5
(April 2004)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OM B No. 1004-0137
Expires: March 31, 2007

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 reverse side.

5. Lease Serial No. NMLC063798

6 If Indian, Allottee or Tribe Name -

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

1. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No. Bell Lake #19

2. Name of Operator: Kaiser-Francis Oil Company

9. API Well No 30-025-26257

3a Address: P. O. Box 21468, Tulsa, OK 74121-1468

3b. Phone No. *(include area code)*: 918-491-4314

10. Field and Pool, or Exploratory Area: S. Bell Lake Morrow (Gas)

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*

660' FNL & 1980' FEL of Sec. 12-24S-33E

11. County or Parish, State: Lea/NM

12. CHECK 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
☐ Subsequent Report	☐ Alter Casing	☒ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Return to production
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ 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 shall 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 shall be filed once testing has been completed Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

See attached project procedure.

RECEIVED
JUN 10 2009
HOBBSOCD

SEE ATTACHED FOR CONDITIONS OF APPROVAL

14. I hereby certify that the foregoing is true and correct
Name *(Printed/Typed)*: Charlotte Van Valkenburg

Title: Technical Coordinator

Signature: Charlotte Van Valkenburg

Date: 5/7/09

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

APPROVED

Approved by

Title PETROLEUM ENGINEER

Date JUN 4 2009

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

WESLEY W. INGRAM
PETROLEUM ENGINEER

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)

Chaparral Energy, Inc.

PROJECT PROCEDURE

Date: April 29, 2009

PROJECT: Fracture stimulate the Bone Springs formation			
Lease/Well: **Bell Lake No. 19.**	AFE Number: **06CW287**		
Location: Sect 12, Twp-24-S, R-33-E Lea County, New Mexico	District: Seminole		
Company: Chaparral Energy, LLC	WI%: 98.089528	NRI%: 85.828337	Engineer: Billy W. Nievar

WELL DATA:

Elevations:	KB = 3649', GL = 3625'
Conductor Csg:	16" 65ppf, H-40 csg, @ 700' Cmt'd w 575 sx. Cmt'd to surface.
Surface Csg:	10-3/4" 45.5 ppf K-55 Set at 5,245' Cmt'd with 3100 sx. TOC by temp Survey at 1,280'.
Intermediate Csg:	7-5/8" 33.7 ppf, N-80, Set at 13,000', Cmt'd in two stages with a total of 955 sx. TOC by TS and Bond log at 8,560'.
Liner:	5" 18ppf, N-80, 12,424'-14,758', Cmt'd with 400 sx.
Tubing:	2-7/8" 6.5# N-80 8rd EUE @ 8,984'
Packer:	2-7/8' X 7-5/8" Arrowset 1-X packer at 8,984'. Set in 20K tension.
TD:	14,760'
FISH:	11,990'-14,140' (2-7/8" tubing & 5" Model FAB packer).
CIBP:	7-5/8" CIBP at 11,400' w/ 50' cement on top
CIBP:	7-5/8" CIBP at 9,568' w/ 20' cement on top
Formation Temp:	Calculated to be 155 °F at 9,000'.

PERFORATIONS

Morrow:	14,326' - 14,338', 14,350', 14,354' 4-JSPF
Bone Springs:	9,001'-9,002', 9,007'-9,010', 9,013'-9,016', 9,020'-9,024', 9,027'-9,028', 9,035', 9,038', 9,041'-9,043', (1SPF) (Squeezed with 200 Sx)
Bone Springs:	8,941', 44', 45', 62', 63', 64', 66', 67', 68', 70', 72', 75', 76', 78' (14 holes) Acidized w/ 1500 gallons 15%.
Bone Springs:	8,995'- 9,002', 9,013' – 9,016', 9,020' – 9,024', 9,042' – 9,044' (1SPF – 20 holes)

PROCEDURE:

1. Contact the Chaparral OKC office to verify that Kaiser Francis has obtained proper permits to work on the Bell Lake #19.
2. Contact the land owner to apprise of the upcoming workover. Mr. Bert Madera (505-827-5791) or (505-390-2861)
3. **Do not dig earth pits for this workover**. If possible install wellhead environmental tray.
4. Spot frac tanks for flow back and water for acid job as needed. Test Rig anchors.
5. MIRU workover rig.

6. As of October 1, 2008 2-7/8" tubing had 400 psig, and 2-7/8" x 7-5-8" annulus had 340 psig.

7. Open tubing and if oil is at the surface collect sample of oil.

8. Open casing and if oil is at the surface collect sample of oil.

9. Release well head pressure. Nipple up BOP, Kill well with brine or 2% Kcl water if needed.

10. (Note this testing is to determine casing and plug integrity for the acid job and a future fracturing job). Release packer and TIH and set at approximately 9,100'. Pressure test down 2-7/8" tubing to test blank casing and CIBP at 9,568' to 3,500 psig, verify test is good for a minimum of 15 minutes.

11. Release packer and pull up to approximately 8900'.

12. Reset packer at 8900' and pressure test 2-7/8" x 7-5/8" annulus to 3,500 psig. Verify test is good for a minimum of 15 minutes.

13. If necessary TOOH with tubing and packer to verify condition and tally. Pressure test tubing string as necessary to prepare for acid job pressures near 5,000 psi and 15 BPM rates.

14. Circulate hole with 2%KCl Water, with 1 gpt Surfactant and Scale inhibitor.

15. R&S treating packer at approximately 8,900'. Pressure up annulus to back up 2-7/8" tubing.

16. Rig up well to acid treat down 2-7/8" tubing. Use a minimum of two pumps to obtain approximately 15 bpm rate down tubing.

17. Acid Treat the Bone Spring formation via the 2-7/8" tubing. Obtain as high of a treating rate as possible using the following schedule:
    5,000 gallons scale inhibited water with friction reducer.
    8,000 gallons 15% Hcl with inhibitor, iron-sequestrant, surfactant, and Non-emulsifier with friction reducer. Divert with approximately 50 Bio-balls, after 2,000 gallons of acid displaced space Bio Balls for diversion of acid throughout rest of acid.
    2,200 gallons water for flush.
    Collect ISIP, 5-min, 10-min, and 15-min pressures.

18. Flow and swab well back as needed.

19. POOH with tubing and packer.

20. RIH with BP, MA, PS, X-over, 1-25/32" SN, X-over 2-7/8" tubing, TAC approximately 250' above SN, and rest of 2-7/8" tubing to surface with SN at ±9,075'. Set TAC at ±8,825'. RIH with 2" x 1 1/2" x 20' PA Ring pump, 1500' 7/8" rods, 4,750' of ¾" rods, and 2,850' of 7/8" rods with couplings. RDMO completion rig.

21. Set pumping unit and temporary production facilities. Report daily production rates to OKC office until well is final reported.

22. Contact Kaiser-Francis to start pumping operations.

23. Supply Kaiser-Francis with information to prepare Sundry Notice of report to BLM and any other report as necessary.

Bell Lake #19
30-025-26257
Kaiser-Francis Oil Company
June 4, 2009
Conditions of Approval

1. **Test BOP.**
2. **Pressure tests to be held for 30 minutes with no more than 10% drop.**
3. **Subsequent sundry required detailing operations.**
4. **Completion report required for new zone.**
5. **Operator to submit commercial well determination for well.**

WWI 060409