

submitted in lieu of Form 3160-5

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
Sundry Notices and Reports on Wells

2007 AUG 27 PM 12:07

RECEIVED

1. Type of Well  
Gas

5. Lease Number  
SF-079139A

6. If Indian, All. or  
Tribe Name

7. Unit Agreement Name

2. Name of Operator  
Kimbell Oil Company of Texas

8. Well Name & Number  
Federal A #3E

3. Address & Phone No. of Operator  
777 Taylor Street, Suite P-IIA, Fort Worth, TX 76102 817-335-2591

9. API Well No.  
30-039-22317

Location of Well, Footage, Sec., T, R, M

10. Field and Pool  
Basin Dakota

1720' FNL & 925' FWL, Section 35, T-25-N, R-6-W

11. County & State  
Rio Arriba County, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment

Type of Action

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☒ Casing Repair

☐ Altering Casing

☐ Other

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut off

☐ Conversion to Injection

13. Describe Proposed or Completed Operations

Casing in the above well was repaired per the attached report on August 21, 2007.

RCVD AUG 30 '07  
OIL CONS. DIV.

DIST. 3

14. I hereby certify that the foregoing is true and correct.

Signed

William F. Clark

Title

Contractor

Date

August 21, 2007

(This space for Federal or State Office use)

APPROVED BY

Title

Date

CONDITION OF APPROVAL, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly 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.

AUG 29 2007

FARMINGTON FIELD OFFICE

NMOCD

# A-PLUS WELL SERVICE, INC.

P.O. BOX 1979

Farmington, New Mexico 87499

505-325-2627 \* fax: 505-325-1211

Kimbell Oil Company of Texas

August 21, 2007

**Federal A #3E**

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1720' FNL & 925' FWL, Section 35, T-25-N, R-6-W

Rio Arriba County, New Mexico

Lease Number: SF-079139A

API # 30-039-22317

## Bradenhead Repair Report

Notified BLM / NMOCD on 7/26/07

### Work Summary:

7/27/07 MOL. SDFD.

7/30/07 RU. Check well pressures: casing, 65 PSI; tubing, 110 PSI; bradenhead, 50 PSI. Blow well down. NU BOP, test. Pump 40 bbls 2% KCl down tubing. TOH and tally 220 joints 2.375" tubing. Swapped out 95 slim hole collars. SDFD.

7/31/07 Check well pressures: casing, 35 PSI; bradenhead, 10 PSI. Blow well down. TIH with rabbit and tally 223 joints 2.375" yellow band EUE tubing and tag fill at 6940' with 4.5" casing scraper. Load hole with 35 bbls of water. TIH with 4.5" DHS CR and set at 6752'. Pressure test tubing to 1200 PSI. Load hole with 40 bbls of water. Circulate hole clean with 110 bbls water. Attempt to pressure test casing to 300 PSI, bled down to 0 PSI in 1/2 minute. Shut in well. SDFD.

8/1/07 Open well, no pressure. TOH with tubing. TIH with 4.5" full bore packer and isolate hole in casing between 416' and 438'. TOH and LD packer. TIH with 4.5" RBP, set and release RBP at 964'. Dumped 2 – 50# sacks of sand on RBP. TIH with 4.5" full bore packer to 173'. Establish rate out hole in casing 1 bpm at 900 PSI. Load bradenhead with 3 bbls of water. Circulate out ground outside surface casing at same time. Circulate bradenhead clean with 40 bbls of water.

**Squeeze #1** with RBP at 964' and packer at 173', mix and pump 145 sXs Type III (192 cf), circulate good cement at out bradenhead with 130 sxs cement. Shut in bradenhead. Circulate good cement out ground outside surface casing. Displace 1 bbl, leaving TOC at 194'. SI tubing and RU pump to pit. Wash pump. RU pumps to tubing and displace additional 2 bbls over 2-1/2 hours. Pressure up to 500 PSI every 15 minutes until pressured up and held at 500 PSI for 10 minutes. Est. TOC at 319'. Shut in well with 500 PSI. SDFD.

8/2/07 No rig activity; WOC.

8/3/07 Open well, no pressure. Bradenhead valve cemented shut. TOH with tubing and LD packer. PU 3.875" drill bit, 6 – 3.125" drill collars and tag TOC at 296'. Drill cement from 296' to 450'. TOH and LD bit. TIH with casing scraper to 504'. TOH and LD scraper. SDFD.

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## Work Summary – Continued:

- 8/6/07 Open well, no pressure. TIH with casing scraper and tag sand at 954'. Circulate hole clean. TOH and LD scraper. PU full bore packer. TIH with tubing and attempt to find bottom of casing leak to 938'; no pressure test. RU pump to casing and pressure test casing from 938' to 0', bled down 45 PSI (520 PSI to 475 PSI) in 30 minutes. TOH with tubing and LD packer. TIH with RBP retrieving head. Circulate sand out tubing from 954' to 956'. Tie onto RBP. Attempt to free RBP 2 hours, no movement. Release RBP. TOH with tubing and LD retrieving head. SDFD.
- 8/7/07 TIH with overshot. Tie onto fish at 964'. Attempt to work fish free. Unable to move down hole. Came up hole 5'. TOH and LD fishing tools. Pulled mandrel from top of RBP. SDFD.
- 8/8/07 PU 6' x 3.875" smooth OD x 3.063" rough ID, wash over shoe and 3.125" jars. TIH with 6 – 3.125" collars. TIH and tag fish at 959'. Establish circulation. Mill on RBP. Made no hole. Small amount of metal in returns. TOH and LD tubing. Wash over shoe—minor wear on shoe. SDFD.
- 8/9/07 PU 3.75" overshot. Tie onto fish at 959'. Circulate hole 20 minutes at 3 bum. Jarred and bumped on fish 1 hour; knocked fish down. TOH and LD fishing tools and fish. Attempt to pressure test casing to 500 PSI, bled down to 250 PSI in 1 minute. TIH with full bore packer and isolate holes between 397' – 460'. TIH to 460'.  
**Squeeze #2** mix and pump 18 sxs Type III (24 cf) from 460' to 195'. TOH and LD tubing. Pressured up to 500 PSI, held 2 minutes. Pressured up to 750 PSI, held 20 minutes. Shut in well with 750 PSI. WOC.
- 8/10/07 No rig activity; WOC.
- 8/13/07 PU 3.875" drill bit. TIH and tag TOC at 275'. Drill cement from 275' to 485'. Pressure test casing with chart recorder. Bled 600 PSI to 570 PSI in 40 minutes. RU air package to tubing. Unload hole with 500 PSI. TIH with tubing to 5315'. Unload well every 24 joints with 500 PSI. SDFD.
- 8/14/07 TIH and tag CIBP at 6752', unloading well every 24 joints. Drill CIBP at 6752'. Made 1-1/2' of hole and broke through. Blow well down 1/2 hour. TIH with tubing and tag fill at 6945'. RIH with 4.5" gauge ring to 6898'. RIH with 4.5" PlugWell CR, correlate depth with prior logs, set CR at 6898'. POH and RD wireline. TIH with tubing and sting into CR at 6898'. Pressured up to 1000 PSI. Sting out of CR. Attempt to sting into CR while pumping, unable to pump below CR, pressured up to 1500 PSI. TOH. SDFD.
- 8/15/07 Check well pressure: casing 110 PSI; tubing, 30 PSI; bradenhead, 0 PSI. RIH with 4.5" PlugWell CIBP and set at 6893'. RU dump bailer. Dump 2 sxs Class B (3 cf) on CIBP at 6893'. Perforate 20 holes from 6852' to 6847' (4 SPF, 120° phasing). TIH with 1 joint 2.375" EUE tubing, SN with standing valve, 35 joints 2.375" EUE tubing, 4.5" lockset packer, 24 joints 2.375" EUE tubing. Pressure test tubing to 1500 PSI, held OK. SDFD.

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## Work Summary – Continued:

- 8/16/07 Check well pressure: casing 60 PSI; tubing, 140 PSI; bradenhead, 0 PSI. TIH with 160 joints 2.375" EUE tubing, pressure testing every 48 joints to 1500 PSI, held OK. Tag TOC at 6871'. RIH with standing valve and fishing tool on sandline. Unable to tie onto standing valve. POH with sandline. TOH with 184 joints 2.375" tubing. LD packer. TOH with 35 joints tubing. Remove standing valve from SN. TIH with 1 joints 2.375" EUE tubing, SN, 35 joints 2.375" EUE tubing, 4.5" lockset packer and 184 joints 2.375" EUE tubing to 6870'. RU BJ Pressure Pumping Services to tubing and spot 2 bbls 15% HCl with clay stabilization additives on EOT. Pump 60 bbls corrosion inhibitor down casing. ND BOP. Set packer and land tubing in wellhead. Stretched 20,000# over. Well landed as 182 joints 2.375" tubing, 4.5" lockset packer at 5678', 35 joints 2.375" tubing, SN at 6783', 1 joint 2.375" tubing with EOT at 6816'. NU wellhead. Load casing with 20 bbls corrosion inhibitor and pressure up to 150 PSI. Pump 13 bbls 2% KCl ahead. Pump 56 bbls 15% HCl with additives at 2 bpm. Ran 100 7/8" RCN balls during 1<sup>st</sup> 45 bbls. Displace with 33 bbls 2% KCl 2 bpm at 780 PSI. Tubing went on vacuum. Once pumping ended, shut in tubing. RD BJ Services. RU sandline for swabbing. RIH and tag fluid at 2700'. Make 2 swab runs; bring back 6 bbls total. Shut in well. SDFD.
- 8/17/07 Check well pressures: tubing on vacuum; casing, 350 PSI; bradenhead, 0 PSI. Blow casing down to pit. RIH with sandline and tag fluid at 4750'. Make 13 swab runs. Swab back 35 bbls. Well started flowing. Well builds 25 PSI in 2 minutes. Shut in well.
- 8/20/07 Check well pressures: tubing, 600 PSI; casing, 50 PSI; bradenhead, 0 PSI. RIH with sandline and tag fluid at 5000'. Make 7 swab runs. Brought back 15 bbls. RD swab equipment. NU wellhead. Leave well shut in. RD flow back lines. RD. MOL.

E. North and D. Green, Kimbell Oil representatives, were on location.