

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires January 31, 2004

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

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

2. Name of Operator
KIMBELL OIL COMPANY OF TEXAS

3a. Address **777 TAYLOR ST., P.O. BOX 102**
WORTH CLUB TOWER, FT. WORTH, TX 76102

3b. Phone No. (include area code)
817-335-2591

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1040' FSL & 1470' FWL (SE/SW)
SECTION 5, T25N, R7W

5. Lease Serial No.
SF-011639

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
LIGERMAN 4R

9. API Well No.
30-039-25932

10. Field and Pool, or Exploratory Area
BALLARD P.C. & BASIN Fruitland

11. County or Parish, State
Rio Arriba

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Downhole
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Commingle Ballard
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	P.C. & BASIN Fruitland

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 recompleat 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 "Proposed Operations" Statement

"Application for exception To downhole commingle Pools in pre-Approved Area" AND NMOC Form C-103.

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

Jack Redding Jr

Title

VP

Signature

[Signature]

Date

9-5-02

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Original Signed: Stephen Mason

Title

Date

9/17/02

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

NMOC

Attachment to BLM Form 3160-5
for
Kimbell Oil Company of Texas'
Liberman No. 4R Well
"Notice of Intent to Downhole Commingle"
from
Ballard P.C. (Pool # 71439) and Basin Fruitland Coals (Pool # 71629) Perforations

Pursuant to NM Rule 19.15.5.303(b), Kimbell Oil Company of Texas herein requests administrative approval by the NMOCD District Supervisor to downhole commingle the Ballard P.C. Pool (71439) and Basin Fruitland Coals Pool (71629) in the Liberman #4R wellbore located 1040' FSL & 1470' FWL; Section 5, T25N, R7W; Rio Arriba County, New Mexico.

The following information and statements are submitted by Kimbell Oil Company of Texas, as required, to support this request for downhole commingling in the Liberman #4R wellbore:

- (i) Downhole comingling of these two pools has previously been approved by the NMOCD pursuant to **NM Rule 19.15.5.303(5) Pool Combination, San Juan Basin** in this Geographic Area.
- (ii) Pools to be comingled are the Ballard, P.C. (71439) and Basin Fruitland Coals (71629).
- (iii) Ballard, P.C. perforations are from 2198'-2218' (Perforations are below a Cast Iron Bridge Plug) and Basin Fruitland perforations are from 2167'-2198' and are currently being produced to sales.
- (iv) Production from these two Pools will be allocated to the two respective pools based on a ratio of the current production volume from the Basin Fruitland Coals completion to the last known production volume from the Ballard, P.C. completion prior to it being temporarily abandoned below a cast iron bridge plug. This ratio will be 7.0 Mcf per day/34 total Mcf/d, or 20.6%, allocation to the Basin Fruitland Coals Pool and 27 Mcf per day/34 total Mcf/d, or 79.4%, allocation to the Ballard, P.C. Pool. This allocation ratio will be held constant for the remaining economic life of the well.
- (v) The downhole commingling of these two Pools in this wellbore will not reduce the value of the remaining recoverable reserves. In actuality, this proposal to downhole commingle these two Pools will actually increase the value as the Basin Fruitland Coals Pool completion is currently uneconomical at 7 Mcf/d gross production. The value of any Basin Fruitland Coals gas reserves will be permanently lost unless they are commingled downhole with the Ballard, P.C. Pool and produced simultaneously. Individual Pool surface shut in pressures indicate that bottom-hole

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BLM Form 3160-5 Attachment
KOC-Liberman #4R Well
Downhole Commingle Request

- (v) (continued.) pressures are compatible and within 5.0% of each other respectively.
No cross-flow between zones is anticipated or likely to occur.
- (vi) Ownership in the two Pools in the Liberman #4R well are exactly the same.
- (vii) Kimbell Oil Company of Texas is simultaneously submitting a copy of this exception application, NM Form C-103, along with all attachments to the Bureau of Land Management as 100% of the lands contained within this well's spacing unit are federal lands.

Exhibit "A" To BLM Form 3160-5 Sundry Notice

**Kimbell Oil Company of Texas
Well Data and Operations Procedure
Downhole Commingling of both Basin Fruitland Coal and Pictured Cliff Pools
No. 4R Liberman Well
1040' FSL & 1470' FWL
Section 5, T25N, R7W
Rio Arriba Co., New Mexico**

Well Data:

1. Total Depth @ 2328'
2. P.B.T.D. @ 2236'.
3. Completion Date : 9-25-98 in Pictured Cliffs Formation
4. Perforations @ 2198'-2218'(PC) & @ 2167'-2189' (Basin F.C).
5. 8-5/8" 24#/ft. Casing set @ 134'. Cemented to surface w/ 85 sx.
6. 4-1/2" 11.6 #/ft. J-55 new casing set @ 2326' and cemented to surface with 265 sx.
Cement. CIBP set @ 2194'.
7. 2-3/8" O.D. tubing set @ 2190'. (SN @ 2160')
8. Formation Tops:
Ojo Alamo @ 1630'
Kirkland @ 1675'
Fruitland Coals @ 2015'
Pictured Cliffs @ 2198'
9. G.L. Elevation @ 6430' GR
10. Spud date : 08-26-98 (Contractor : L & B Speeddril)

Operations Procedure:

1. Move in and rig up workover rig. Blow down well and kill. Nipple down wellhead and nipple up Blowout equipment. Test BOPE.
2. Trip out of hole with 2-3/8" OD tubing and pick up junk mill for 11.6 #/ft. casing. Fill hole with 2% KCL water and tag CIBP @ 2194'. Drill out CIBP and clean out hole to P.B.T.D. Circulate hole clean. Trip out of hole with mill and lay down same.
3. TIH with 2-3/8" seating nipple and tubing to 2205' (7' into P.C. perforations.).
4. Set tubing in tubing head and nipple down BOPE and nipple up wellhead. Rig up swab and swab well down as deep as possible.
5. Rig down workover rig and release same. Inject 1.0 gallons soap in 1.0 gals. water down annulus and shut well in overnight.

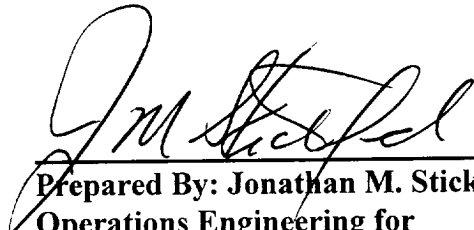
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Attachment "A"

Kimbell Oil Company of Texas

No. 4R Liberman: Downhole Commingle

- 6. Record shut-in surface pressure and open well to tank up tubing and blow well to tank until clean.**
- 7. After cleaned up, turn well to sales and record daily flowing pressures and gas sales volumes and report to Ft. Worth office daily for 1 week. Drop well from report.**
- 8. Notify NMOCD and BLM of commingling results on Forms C-103 and 3160-5 respectively. Notify El Paso Field Services of commingled production.**


Prepared By: Jonathan M. Stickland
Operations Engineering for
Kimbell Oil Company of Texas

8/31/02
Dated