

N.M. OIL CONS. COMMISSION
P.O. BOX 1980
HOBBS, NEW MEXICO 88240

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

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

2. Name of Operator
Conoco Inc.

3. Address and Telephone No.
10 Desta Drive STE 100W, Midland, TX 79705 (915)686-5424

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

660' FSL & 1960' FWL, SEC 13, T-21S, R-37E, UNIT LTR 'N'

5. Lease Designation and Serial No.

LC 032096B

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

LOCKHART B-13A #5

9. API Well No.

30-025-06559

10. Field and Pool, or Exploratory Area

BLINERY OIL AND GAS

11. County or Parish, State

LEA, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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.)*

This well has no further use as either a producer or an injector and it is proposed to plug and abandon the wellbore according to the attached procedure.

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

Signed

Paul K. Beasley

Title

SR. REGULATORY SPEC

Date

6-27-94

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

PAUL K. BEASLEY

Date

7/25/94

Title 18 U.S.C. Section 1001, makes 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.

*See instruction on Reverse Side

**LOCKHART B-13A NO 5
PLUG AND ABANDONMENT**

INTRODUCTION:

This well went down on March 14, 1994 due to downhole pump problems. Production rates did not economically justify a pulling job and the well was left shut-in. The well has no remaining potential and should be permanently plugged and abandoned.

WELL DATA:

Location: 660' FSL & 1980' FWL, Sec 13, T-21-S, R-37E, Lea County, New Mexico
G.L. Elevation: 3420'

EQUIPMENT:

Bethlehem 228D w/ 25 HP motor. Rods and 2 3/8" tubing are still in the hole.

REGULATORY:

This well is completed in the Terry Blinebry Pool. Regulatory approval is required for this work.

CASING & TUBING SPECS:

OD (inches)	WT (ppf)	Grade	Drift ID (inches)	Depth	Collapse @ 100% (psi)	Burst @ 100% (psi)	Capacity (bpf)	Capacity (cfpf)
10 3/4	32.75	H-40	*	289'	880	1820	*	*
7 5/8	24	H-40	*	3149'	2040	2750	*	*
5 1/2	14/15.5	J-55	4.887	6049'	3,120	4,270	.0244	.1370
2 3/8	4.7	J-55	1.901	5720'	8,100	7,700	.00387	.0217

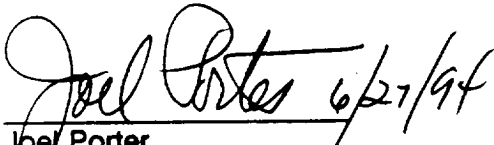
NOTE: The records do not indicate the cross-over point for the different weight 5 1/2" production casing. Due to the lack of information and vintage of the casing, use caution when pressuring up the pipe. The 5 1/2" data listed above is for 14 ppf pipe.

RECOMMENDED PROCEDURE:

1. MIRU workover rig. Kill well if necessary. POOH with rods & pump. ND WH & NU BOPE. TFF and POOH with tubing.
2. RIH with 4 3/4" bit & 5 1/2" casing scrapers on tubing to 5700'. POOH.

NOTE: 1. Use Class C cement mixed at 14.8 ppg with 2% CaCl₂ for all cement work except final surface plug which will contain 18% CaCl₂. Yield = 1.32 ft³/sx.
2. For remainder of procedure use P&A brine - 10 ppg brine with 25 lbs/bbl of salt gel.

3. RIH with 5 1/2" CIBP & set at 5700'. Pick up tubing and circulate hole with P&A brine. Spot 25 sx (240') cement cap on CIBP.
4. PUH to 5100' and spot 65 sxs cement plug (625') to cover San Andres injection interval in offsetting SWD well (Lockhart B-13A No 4).
5. **Slowly** PUH well above top of San Andres plug at +/- 4475' and reverse cement out of tubing. POOH w/tbg.
6. RIH and perforate 5 1/2" casing at 3155' (7 5/8" casing shoe) at 4 JSPF.
7. RIH and set cement retainer at 3125'. Establish injection rate into perms with water. Pump 20 sxs cement. (This volume of cement calculates to a 265' plug behind 5 1/2" casing - in 5 1/2" csg x 6 3/4" hole annulus).
8. PU out of retainer and reverse circulate cement out of tubing. POOH w/tbg.
9. RIH and perforate 5 1/2" casing at 295' (10 3/4" casing shoe) @ 4 JSPF.
NOTE: Guns should be loaded heavy enough to penetrate both 5 1/2" and 7 5/8" casing.
10. RIH w/2 jts of tubing. Close rams and establish circulation with water through perms and up **both 10 3/4" X 7 5/8" annulus and 7 5/8" x 5 1/2" annulus** to surface. Pump 165 sxs (50% excess) to circulate both annuli to surface and leave 5 1/2" casing plugged to sfc.
11. If cement does not circulate in 5 1/2" x 7 5/8", bullhead 25 sxs cement down annulus. If cement does not circulate in 7 5/8" x 10 3/4", bullhead 60 sxs cement down annulus.
12. Plug back with cement to surface in 5 1/2" casing. Cut off casing 3' below surface. Weld 1/4" thick metal plate on wellbore. Install P&A marker with well name and location inscribed on marker.
13. Restore location.


Joel Porter

**LOCKHART B13A NO 5
PLUG & ABANDONMENT**

COST ESTIMATE

Rig Time (3 days @ \$1500/day)	\$4,500
Rentals	3,000
Cementing	3,500
Water	1,000
Perforating	900
CIBP & Cement Retainer	2000
Location Cleanup	5,500
Total	Gross \$20,400 Net \$5,100

WELLBORE DIAGRAM LOCKHART B-13A NO.5

660' FSL, 1980' FWL

SEC.13,T21S,R37E

LEA COUNTY, NEW MEXICO

SALT: TOP-1490'
BASE-2545'

ELEVATION: 3431' DF
DF 11' AGL

SURFACE CASING

10-3/4", 32-3/4" H-40 @289'
W/250 SX (CIRC.)

TOPS:

YATES 2678'
7R 2944'
QUEEN 3512'
PENROSE 3665'
GLORIETTA 5310'
BLINEBRY 5760'

INTERMEDIATE CASING

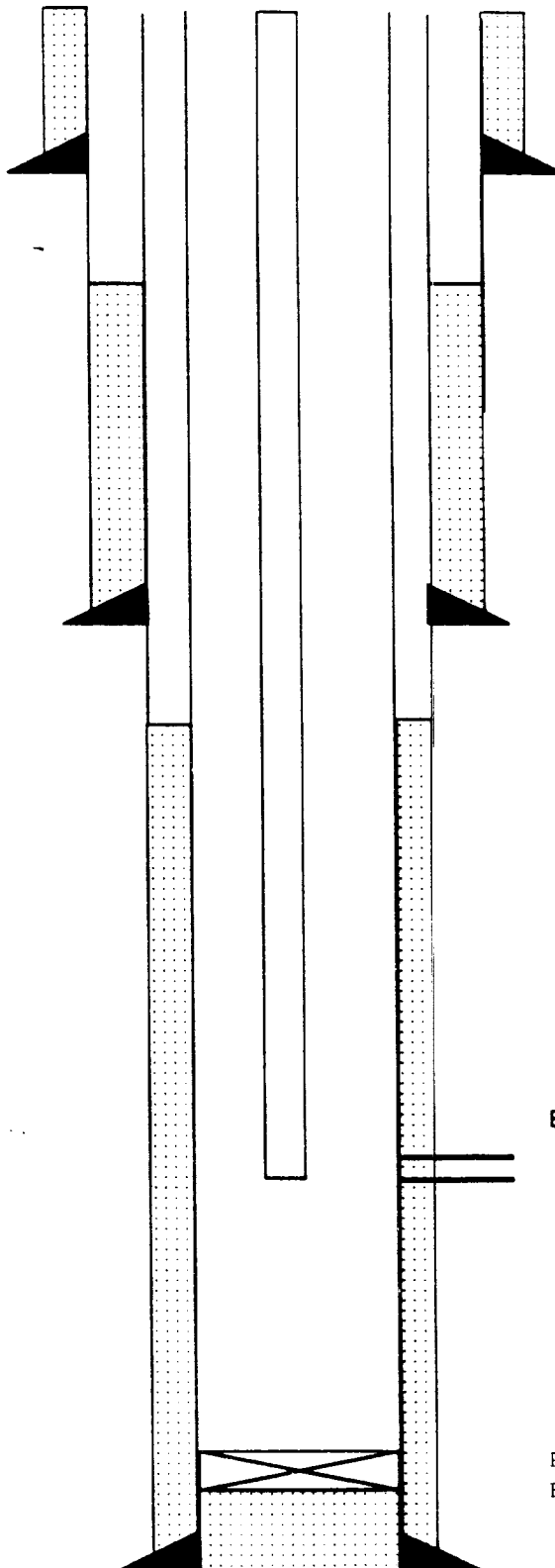
7-5/8" 24#, H-40 @3149'
IN 9-7/8" HOLE
W/1335 SX TOC @1475' (TS)

TUBING: 2-3/8", 4.7#, J-55
W/MA @5762'

PUMPING EQUIP:
BETHLEHEM 228 D
W/25 HP MOTOR

PRODUCTION CASING

5-1/2", 14# & 18.5#, J-55
@6049' IN 8-3/4" HOLE
W/520 SX TOC @4250' (TS)



BLINEBRY PERFS

5718'-80', 5818'-72',
5904'-54'

PBTD: 6000' (CIBP PUSHED TO
BOTTOM)

TD: 6050'

API#:30025-08559

DATE: 06/27/94
BY: JOEL PORTER

PROPOSED P & A LOCKHART B-13A NO.5

660' FSL, 1980' FWL
SEC.13,T21S,R37E
LEA COUNTY, NEW MEXICO

SALT: TOP-1490'
BASE-2545'

SURFACE CASING

10-3/4", 32-3/4" H-40 @289'
W/250 SX (CIRC.)

TOPS:

YATES 2678'
7R 2944'
QUEEN 3512'
PENROSE 3665'
GLORIETTA 5310'
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INTERMEDIATE CASING

7-5/8" 24#, H-40 @3149'
IN 9-7/8" HOLE
W/1335 SX TOC @1475' (TS)

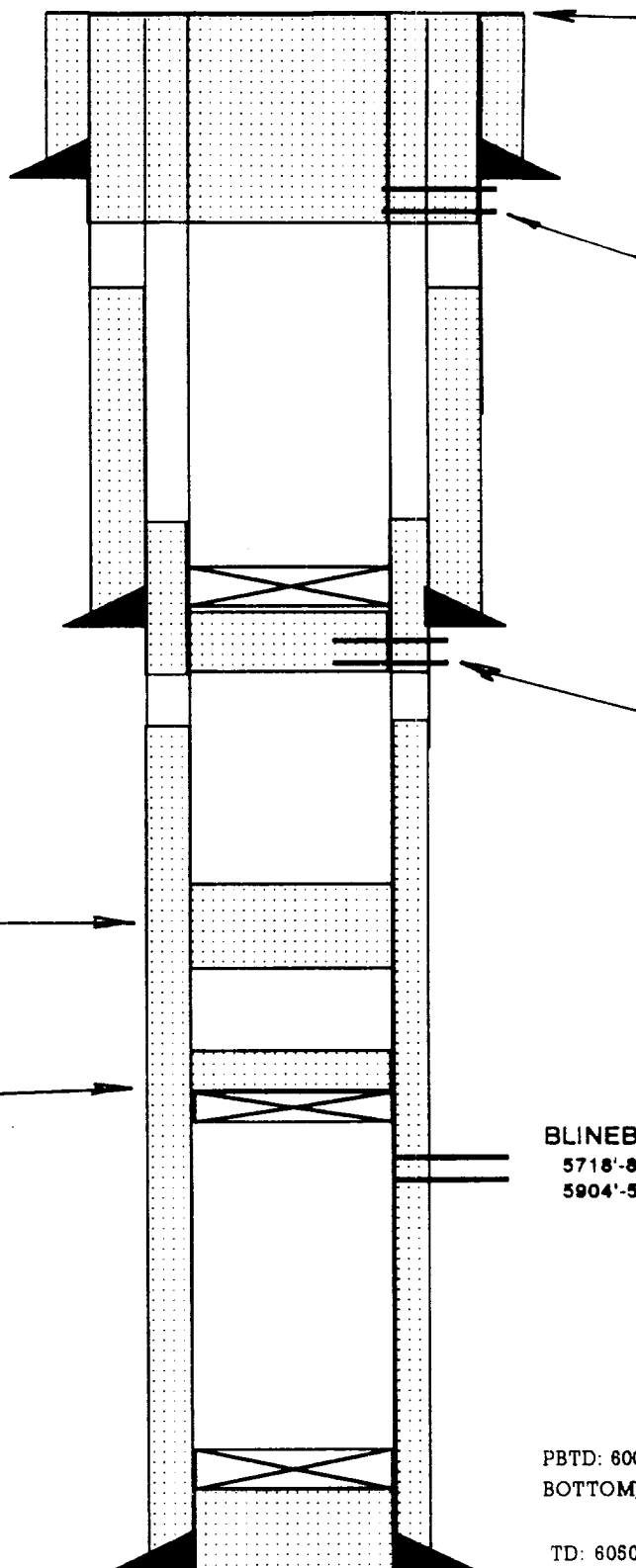
SAN ANDRES PLUG:
65 SX CMT. (4475'-5100')

BLINEBRY PLUG:
CIBP @5700' CAP W/25 SX
(240') CMT

PRODUCTION CASING

5-1/2", 14# & 15.5# J-55
@6049' IN 6-3/4" HOLE
W/520 SX TOC @4280' (TS)

API#:30025-06559



CAP W/1/4" METAL PLATE &
P & A MARKER

ELEVATION: 3431' DF
DF 11' AGL

SFC PLUG:
PERF 5-1/2" & 7-5/8"
@295'.
CIRC. CMT. TO SFC.
PLUG IN 5-1/2" FROM
295' TO SFC

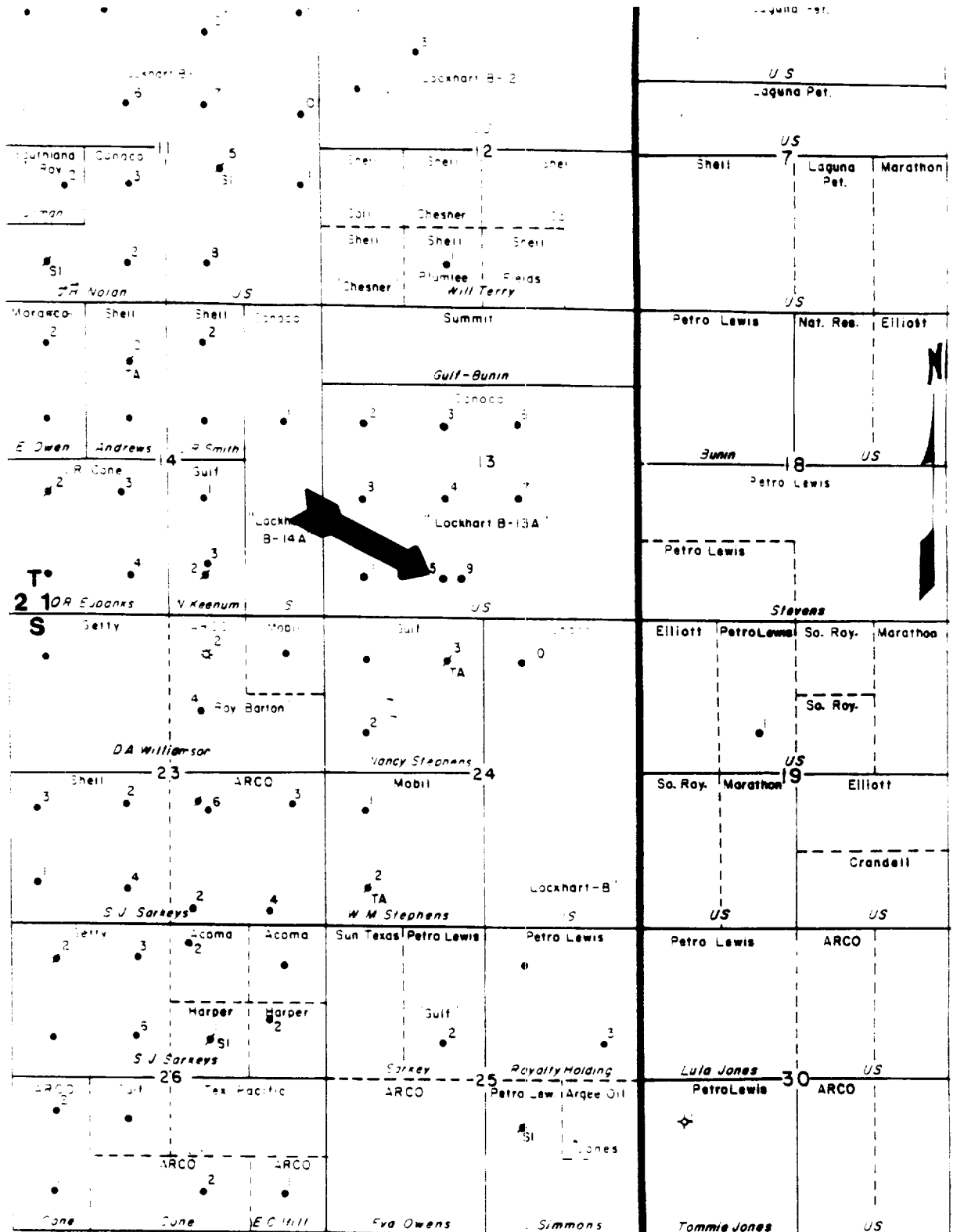
7-5/8" SHOE PLUG:
PERF @3155'. SQZ 20 SX
CMT
BELOW RETAINER
@3125'.
(TOC BEHIND
5-1/2" = 2,890')

BLINEBRY PERFS
5718'-80', 5818'-72',
5904'-54'

PBTD: 6000' (CIBP PUSHED TO
BOTTOM)

TD: 6050'

DATE: 06/27/94
BY: JOEL PORTER



R-37-E

R-38-E

PRODUCTION DEPARTMENT	CONOCO	HOBBS DIVISION
LEA COUNTY, NEW MEXICO		
SCALE 		