

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 87240
District II
811 South First, Artesia, NM 87210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised March 25, 1999

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

WELL API NO. 30-025-34580
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name: Thistle Unit
8. Well No. 5
9. Pool name or Wildcat Johnson Ranch, (Wolfcamp)

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other	10. Elevation (Show whether DR, RKB, RT, GR, etc.) 3656' GL
2. Name of Operator Santa Fe Snyder Corporation	
3. Address of Operator 550 W. Texas, Suite 1330, Midland, TX 79701	
4. Well Location Unit Letter F : 1980 feet from the North line and 1980 feet from the West line Section 34 Township 23S Range 33E NMPM Lea County New Mexico	

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐
OTHER: **Completion** ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: ☐

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Attached is the proposed Wolfcamp completion procedure for the above well.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE *Bill Keathly* TITLE Regulatory Specialist DATE 1-5-00

Type or print name Bill Keathly Telephone No. (915) 686-6612

(This space for State use) ORIGINAL SIGNED BY CHRIS WILLIAMS
DISTRICT I SUPERVISOR

APPROVED BY _____ TITLE _____ DATE _____

Conditions of approval, if any:

FEB 03 2000

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C

**SANTA FE SNYDER CORPORATION
MIDLAND CENTRAL DIVISION
WOLFCAMP COMPLETION PROCEDURE
THISTLE UNIT #5**

AFE # 299082

DATE: January 4, 2000

LOCATION: Sec. 34, 23S, 33E
1980' FWL & 660' FSL
Lea County, New Mexico

FIELD: Johnson Ranch Wolfcamp

LSE/UNIT: Thistle Unit

WELL NO.: No. 5

OBJECTIVE: Complete the Lower Wolfcamp

WELL DATA:

Reference elevation: KB 3659', GL 3641'

Casing: 20", @ 40'

13 3/8" 40# J-55 ST&C @ 590', cmt'd w/600 sx cicr.
9 5/8" 40# S-95 & J-55 LT&C @ 5098' w/1200 sx, cicr.
7" 26# P-110 LT&C @ 12,622', cmt'd w/1385 sx
4 1/2" 13.5# P-110 liner @ 13,722' TOL @ 12,358'.

TD: 13,722'

TUBING DETAIL: 2 3/8" 4.7# P-110.

REGULATORY AGENCY REQUIREMENTS: Sundry Notice

NOTE: 4.5" 13.5# liner has a drift of 3.795" and an ID of 3.92".
Casing volume = 0.6269 gal/ft.

PROCEDURE: To complete Lower Wolfcamp

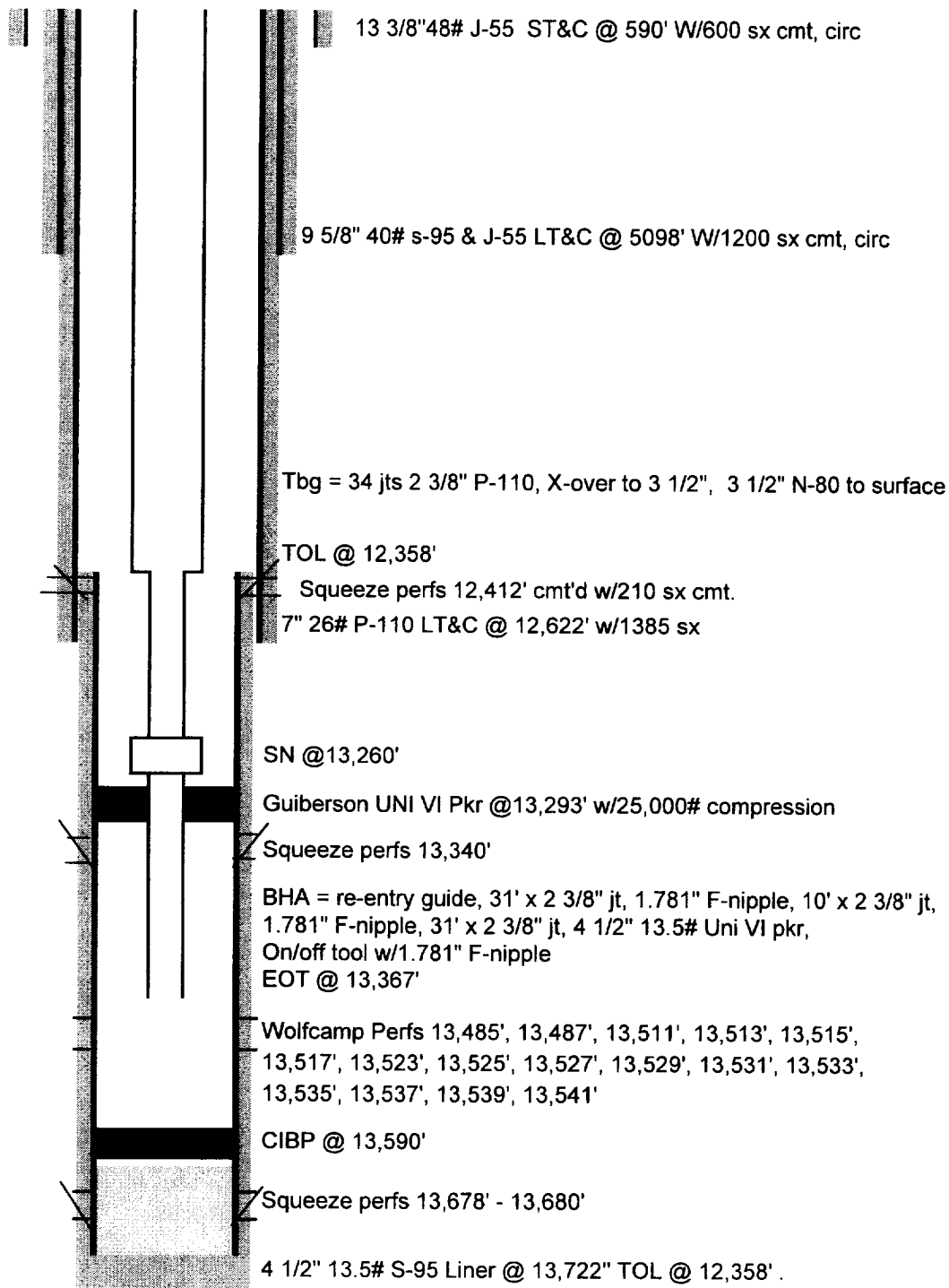
1. MIRU Wireline Co. and install lubricator. GIH w/GR-CCL and get on depth with GR from Schlumberger Compensated Neutron - Three Detector Density log dated 12/12/99, check pkr depth. GIH w/ 1 11/16" strip gun (deep penetrating premium charges) and perforate W/1 hole at 13,485', 13,487', 13,511', 13,513', 13,515', 13,517', 13,523', 13,525', 13,527', 13,529', 13,531', 13,533', 13,535', 13,537', 13,539', 13,541' (total of 16 holes). POH w/ WL. RDMO Wireline Co.
2. If no response from perforating MIRU coil tubing unit and circulate out mud. Spot acid across perfs 13,485' - 13,541'. Break down perfs. RDMO coil tubing unit.
3. MIRU BJ Services and treat perfs 13,485' - 13,541' w/2000 gals of 15% NEFE HCL dropping 1- 7/8" - 1.3 sg RCNBS every bbl of acid (total of 32 balls). Treat at a rate of 2-3 BPM and a max pressure of 9,000 psi. Pressure backside to 1000 psi and monitor during treatment. Flush to bottom perf w/2% KCL water.
4. Flow/swab back load.
5. MIRU BJ Services and acid frac perfs 13,485' - 13,541' w/30,000 gals 20% X-link HCL /25Q CO2 as per attached procedure. Pressure backside to 1000 psi and monitor during treatment.
6. SI well for 2 hours before flow back. Flow back load and evaluate.
7. MIRU Wireline company and set plug in 1.781 "F" profile nipple below packer. Release on/off tool and POH laying down 3 1/2' workstring. GIH w/2 3/8" production tbg and on/off tool. Circulate hole with 2 % KCl wtr containing oxygen scavengers and corrosion inhibitor and latch into on/off tool. Recover plug and return well to production.
8. SI well and connect to pipeline. Run dip-in pressure and static pressure gradient. Turn well to sales. Allow well clean-up and stabilize and run four point test.

MSV

01/05/2000

Thistle Unit #5
Section 34, T23S, R33E
1980' FNL & FWL
Lea County, New Mexico
Spud 11/12/99

KB: 3674 ft.
 GL: 3656 ft.
 DF: 3673 ft.



PBTD: 13,590'
 TD: 13,722'