

COPIES RECEIVED	3-NMOCD	2 - Pioneer	1 - File	Form C-103 Supersedes Old C-102 and C-103 Effective 1-1-65
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**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. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER-	7. Unit Agreement Name
2. Name of Operator Pioneer Production Corp.	8. Farm or Lease Name Shepherd & Kelsey
3. Address of Operator P O Box 208, Farmington, NM 87401	9. Well No. #1E
4. Location of Well UNIT LETTER <u>D</u> <u>790</u> FEET FROM THE <u>North</u> LINE AND <u>1100</u> FEET FROM THE <u>West</u> LINE, SECTION <u>29</u> TOWNSHIP <u>29N</u> RANGE <u>11W</u> NMPM.	10. Field and Pool, or Wildcat Basin Dakota
15. Elevation (Show whether DF, RT, GR, etc.) 5465'	12. County San Juan

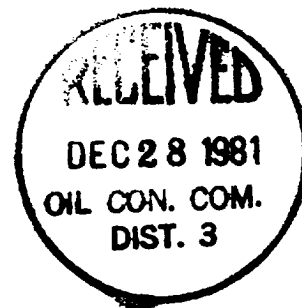
16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> OTHER <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> CASING TEST AND CEMENT JOB <input type="checkbox"/> OTHER <u>Perfs, frac - Dakota formation</u> <input type="checkbox"/>
PLUG AND ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/> PLUG AND ABANDONMENT <input type="checkbox"/>

17. 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.

See reverse for Dakota perfs and frac.



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

SIGNED <u>Thomas A. Dugan</u>	TITLE <u>Petroleum Engineer</u>	DATE <u>12-23-81</u>
Original Signed by <b>FRANK T. CHAVEZ</b>		
APPROVED BY _____	TITLE _____	DATE <u>DEC 28 1981</u>

CONDITIONS OF APPROVAL, IF ANY:

hole to 6219' RKB. Rig up Western Co. Pressure test to 4000 psi. OK. Circulate hole w/ 2% KCL water and 2½# ammonium nitrate per 1000 gals. T.O.H. Prep to g and perf.

12-17-81 Finish T.O.H. Rig up Welex. Ran GR-CCL-CBL from PBTD 6238' to 4980'. Cement top 5180'. Ran GR-CCL-CBL 3000' to 2200', GR-CCL 2200 to surface.

Perforate Dakota formation with 3-1/8" csg. guns as follows:  
5943, 46, 48, 56, 58, 60, 62, 64; 6016, 20, 24, 26, 28, 30,  
32, 36, 38, 46, 89, 91. Total 20 holes. S.D.O.N. Prep to  
break down and frac.

12-18-81 Rig up Western Co. Broke formation down with 2% KCL wtr. Initial breakdown 1700 psi at 5 BPM. Acidize with 2500 gal. 15% HCL with 15#/1000 XR-2 and 1 gal/1000 aquaflo and ½ gal/1000 FR-20 and 1 gal/1000 Claymaster III. Did not ball off. Max press. 3200 psi at 3 BPM. Had good ball action. 1250 psi ISDP. Dropped 40 RCN ball sealers. Rig up Welex. Ran 4½" junk basket to PBTD 6238'. Retrieved 40 balls (16 hits).

Fraced Dakota formation as follows:

20,000 gals Mini Max III-40 + 600 scf/bbl CO<sub>2</sub> - Pad  
10,000 gals Mini Max III-40 w/ 1½# 20-40 sand/gal + 600 scf/bbl CO<sub>2</sub>  
11,000 gals Mini Max III-40 w/ 2½# 20-40 sand/gal + 600 scf/bbl CO<sub>2</sub>  
13,000 gals Mini Max III-40 w/ 3½# 20-40 sand/gal + 600 scf/bbl CO<sub>2</sub>  
21,780 gals Mini Max III-40 w/ 4½# 20-40 sand/gal + 600 scf/bbl CO<sub>2</sub>  
14,218 gals Mini Max III-40 w/ 5½# 20-40 sand/gal + 600 scf/bbl CO<sub>2</sub>  
5,273 gals Mini Max III-40 w/ 5½# 10-20 sand/gal + 600 scf/bbl CO<sub>2</sub>

continued

PIONEER PRODUCTION CORP.  
Shepherd & Kelsey #1E  
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12-18-81 420 gal Mini Max III-30 + 600 scf/bbl CO<sub>2</sub> flush  
(Cont.) 3,460 gal 2% KCL water + FR-20 + 600 scf/bbl CO<sub>2</sub> flush

IDSP 1600 psi 15 min shut in 1450 psi  
Max treating press 3500 psi Min treating pressure 2800 psi  
Ave treating pressure 2800 psi at 29 BPM + CO<sub>2</sub>

Totals: 95,271 gals Mini Max III-40; 264,200# 20-40 sand,  
29,000# 10-20 sand, 21,000# KCL, 50 gal Aquaflo  
50 gal x-cide 102W, 1960 gal diesel, 300# ammonium  
nitrate, 85 tons CO<sub>2</sub>, 100 mc IR-192, 155# B-5  
breaker, 11 gal FR-20

Well was trying to screen out on 4½# 20-40 sand. Stayed on 4½# until formation broke back. Went to 5½# 20-40 sand. OK. Went to 5½# 10-20. Trying to screen out again at 3500 psi. Went to flush. Got well bore flushed. Rig up Welex. Unable to run after-frac logs due to freezing up in lubricator and B.O.P. Rig Welex down. Opened well up after 5 hour shut in. Well flowing back at 6:30 a.m. Abundant water.