

DISTRIBUTION		
SANTA FE		
FIL		
U.S.G.S.		
LAND OFFICE		
OPERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION  
SN

C-102 and C-103  
Effective 1-1-83

5a. Indicate Type of Lease  
State ☐ Fee ☒  
5. State Oil & Gas Lease No.

**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"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	OTHER <u>Chacra completion and tubing strings</u> <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 and attached sheet for report of Chacra perfs 12-20  
acid 12-22  
frac 12-23  
tubing 1-1  
Dakota tubing 1-1-82



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

SIGNED Jim L. Jacobs TITLE Agent DATE 1-6-82

APPROVED BY Supervisor TITLE SUPERVISOR DISTRICT # 3 DATE JAN 1 1982

CONDITIONS OF APPROVAL, IF ANY:

12-20-81 Rig up B & R Wireline. Ran B.H.P. Rig up Welex. Set retrievable B.P. at 2750' RKB. Dump 50# sand on top of B.P.

Perforate Chacra formation as follows: 2502, 04, 06, 08, 10, 12, 14; 2596-97; 2606, 08, 19, 20. Total 13 holes. T.I.H. with Baker 4½" full bore packer. Set at 2377' RKB. Rig up swab and run in hole. No fluid in hole. Shut well in.

12-21-81 Shut down - Sunday

12-22-81 Blew well down. Made swab run. No fluid, only gas. Rig up Western and Halliburton N<sub>2</sub> services. Load annulus and press up to 1000 psi. Load hole with 2% KCL with 2.5#/1000 ammonium nitrate - est. rate 9 BPM at 2400 psi. ISDP 700 psi. Acidize with 1200 gals 7½% HCL and 1 gal/1000 aquaflo and 15#/1000 XR-2 and 1 gal/1000 I-15 and 1 gal/1000 FR-20 and .6% HF and 1 gal/1000 Claymaster III and 400 scf/bbl N<sub>2</sub>. Dropped 20 RCN ball sealers. Ball off formation at 3500 psi. Flowed well back to pit. Unloaded very little fluid. Swabbed well down. Wait 30 min. Swabbed well down. Less than 100' fluid in tbgs. Well making less than 100 MFCGPD. Had trouble unseating packer. P.O.H.

- 12-23-81 Finish P.O.H. Well unloaded while P.O.H. Good show of gas.  
Ran Baker 4½" junk basket to bottom. Did not retrieve any balls.  
Rig up Western Co. and Halliburton N<sub>2</sub> services.

Foam frac Chacra Formation as follows:

22,000 gals 75% Quality foam - pad  
22,000 gals 75% Quality foam w/ ½# per gal 10-20 sand  
22,000 gals 75% Quality foam w/ 1# per gal 10-20 sand  
22,000 gals 75% Quality foam w/ 1½# per gal 10-20 sand  
22,000 gals 75% Quality foam w/ 2# per gal 10-20 sand  
22,000 gals 75% Quality foam w/ 2½# per gal 10-20 sand  
1,488 gals 75% Quality foam - flush

Tagged sand w/ 40 mc IR-192 (fluid was 2% KCL w/ 2.5#/1000  
ammonium nitrate)

ISDP 1600 psi                      15 min 1500 psi  
Max press 2400 psi              Min press 2200 psi  
Ave treating press 2250 psi at 30 BPM (15,200 scfm - N<sub>2</sub> +  
7.5 BPM)

Totals: 165,000 10-20 sand; 1,560,000 scf N<sub>2</sub>; 700# KCL;  
150# ammonium nitrate; 200 gal Adafom; 40 mc IR-192

Rig down Western Co. and Halliburton. Rig up Welx. Ran GR-  
temp after-frac logs. Opened well up at 3:30 p.m., 12-22-81,  
thru ¾" pos. choke. Well gauged 3100 MCFGPD after flowing  
15 hours.

- 12-24-81 Left well blowing thru ¾" choke until 10:30 a.m. Gauged  
3000 MCFGPD after 19 hrs. Removed choke and blow 1½" thru  
open 2" line to atmosphere. Shut in for bottom hole pressure  
test at 12:00 noon 12-23-81.
- 12-25-81 Rigged up B & R Service Co. and ran B.H.P. survey. Tagged sand  
at 2614' RKB. Shut well in and shut down for Christmas Holidays  
until Monday, 12-28-81. Well was shut in 21 hrs when B.H.P.  
survey was run. SIP 944 psi. B.H.P. at 2610' - 1028 psi.
- 12-29-81 Open well to atmosphere to blow down. Well head valves frozen.  
Rigged up to kill well with rig pump. Pumped approx. 75 bbls  
2% KCL water; unable to kill well with rig pump. Opened well  
to atmosphere for 3 hrs. At end of three hrs, well making est.  
4.5 MMCFGPD. Shut well in over night. Prep to attempt to kill  
well with pump truck this a.m.

12-30-81 Open well to atmosphere and blew for 30 minutes. Rigged up Cementers Inc. pump truck. Killed well with 2% KCL water by pumping 35 bbls at 6-7 bbls per minute. T.I.H. with Baker Hydrostatic bailer. Kept well "dead" by allowing water to siphon into hole at the rate of  $\frac{1}{2}$  bbl per minute. Cleaned out 128' (2614-2742') of sand. Bailer quit working. P.O.H. and pick up Baker retrieving head and re-ran tbg. with retrieving head and bailer. Cleaned out 15' sand and picked up R.B.P. Well unloaded. Let blow down 45 minutes. P.O.H. and laid down 2-3/8" tbg. and Baker R.B.P. Shut down over night.

12-31-81 Rigged up Welex and set Baker Model F-1 Packer at 2875' RKB. Opened well and blew through 2 2" lines. Unloaded and racked 261 jts. 1 $\frac{1}{4}$ " tbg. Rigged up and ran 1 $\frac{1}{4}$ " tbg. with Baker equip. While changing stripper rubber - closed rams on box of 1 $\frac{1}{4}$ " sub. Pulled out of box and had to get tapered tap to pick up tbg. Lost two hours fishing. Did not get in hole with Dakota tbg. string. Shut well in over night.

1-1-82 Finished running Dakota tbg. string as follows:

93 jts. 1 $\frac{1}{4}$ ", 2.3#, V-55, I.J. tbg.	2990.21'
(1) Baker G-22 locator seal assy. with 4 seal units	8.45'
(2) 1 2-3/8" EUE, 8RD tbg. sub with 2-3/8" EUE	
8 RD x 1 $\frac{1}{4}$ NEUE Bushing	2.90'
(3) 1 1 $\frac{1}{4}$ I.J. tbg. sub	5.85'
(4) 1 1 $\frac{1}{4}$ Baker Model "L" sliding sleeve valve	2.40'
7 jts. 1 $\frac{1}{4}$ " 2.3# V-55 I.J. tbg.	223.49'
(5) 1 1 $\frac{1}{4}$ " I.J. tbg. sub	5.85'
(6) 1 1 $\frac{1}{4}$ " I.J. tbg. sub	3.90'
(7) 1 1 $\frac{1}{4}$ " NEUE 10RD x 1 $\frac{1}{2}$ " EUE 10RD x-over	.50'
(8) 7 2-1/16 I.J. x 20' Blast joints (2.330 OD	
x 1.775 I.D.	138.60'
(9) 1 1 $\frac{1}{4}$ " NEUE 10 Rd x 1 $\frac{1}{2}$ EUE 10RD x-over	.50'
76 jts. 1 $\frac{1}{4}$ 2.3# V-55 I.J. tbg.	2434.90'
(10) 1 1 $\frac{1}{4}$ " NEUE 10RD npl. w/ cplg.	.57'
(11) 1 1 $\frac{1}{4}$ " I.J. tbg. sub	3.90'
(12) 1 1 $\frac{1}{4}$ " I.J. tbg. sub	1.95'
1 jts. 1 $\frac{1}{4}$ " 2.3# V-55 I.J. tbg.	32.43'
(13) 1 1 $\frac{1}{4}$ " NEUE 10 Rd x 1 $\frac{1}{2}$ " EUE 10RD x-over	.50'
Total Equip.	5856.90'
	10.10'
Set at RKB	5867.00'

Killed well. Ran Chacra tbg. string: 75 jts. 1 $\frac{1}{4}$ " 2.3#, V-55, I.J. tbg. T.E. 2437.30' set at 2437' RKB. Nippled down B.O.P. Nippled up x-mas tree. Pumped plug out of Dakota tbg. string. Released Bedford pulling unit at 2:30 p.m. 12-31-81.