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3 - NMOCD 2 - Pioneer 1 - File
NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease	
State <input type="checkbox"/>	Fed <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.	
7. Unit Agreement Name	
8. Farm or Lease Name Hartman	
9. Well No. #1E	
10. Field and Pool, or Wildcat Basin Dakota	
12. County San Juan	

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. ☐ OIL WELL ☒ GAS WELL ☐ OTHER-

2. Name of Operator
Pioneer Production Corp.

3. Address of Operator
P O Box 208, Farmington, NM 87401

4. Location of Well
UNIT LETTER F 1850 FEET FROM THE North LINE AND 1990 FEET FROM
THE West LINE, SECTION 31 TOWNSHIP 29N RANGE 11W NMPM.

15. Elevation (Show whether DF, RT, GR, etc.)
5396' GR

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>Completion</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 attached reports for perforations 5-1 & 5-6-81
acid 5-2 & 5-7-81
frac 5-4 & 5-7-81
tubing 5-23-81



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

SIGNED Thomas A. Dugan TITLE Agent DATE 5-26-81

APPROVED BY Original Signed by FRANK T. CHAVEZ TITLE SUPERVISOR DISTRICT # 3 DATE MAY 21 1981

CONDITIONS OF APPROVAL, IF ANY:

This treated at 1850 psi. After placing 10-20, pressure went up to 2800. ISDP + 1550. Shut in at noon. Pumped 6,000 gal extra at 5½#/gal 20-40 sand as there was spare sand in the sand master and plenty of gel and CO₂.

Rig up Welex; attempt to run gamma ray and temp. logs. Unable to get below 5920'. Shut in well for total of five hours. Opened well to atmosphere after 5 hrs. Checked after blowing 13 hrs. Making est. 1200-1500 MCFGPD w/ spray of frac fluid and condensate.

5-5-81 Left well blowing to atmosphere 22 hrs. Shut in for btm. hole pressure survey at 3:00 p.m. 5-4-81. Well gauged 750 MCFGPD after 22 hrs. w/ spray of condensate. Prep to run B.H.P. survey.

5-6-81 Rigged up B & R & ran B.H.P. survey. 1647 psi at 6023' after 18 hrs. SI. Rigged down B & R and rigged up Welex. Lubricated Baker ret. B.P. set at 4230' Dumped 50# frac sand on top of B.P. and loaded hole with 20 bbls of 2% KCl water.

Perf. 3887, 92, 93, 95; 3902, 10, 12, 14, 16, 18, 22, 28, 31, 35, 36, 37; 4018, 20; 4118, 22, 24, 26 & 28.

Rigged up Western Co. Brokedown formation w/ 2% KCl wtr. B.D. pressure 2200 psi; est. rate of 10.2 BPM at 1100 psi. Attempt to acidize perfs. Western unable to pick up on acid. S.D.O.N. Prep to acidize and frac.

5-7-81 Rigged up Western Co. Acidized w/ 2500 gals 7½% HCL + 15#/1000 XR-2 + 1 gal/1000 Aqua Flow + 1 gal/1000 Inhibitor + ½ gal/1000 FR-2 + 1 gal/1000 Clay Master III. Dropped 50 ball sealers in acid. Flushed w/ 2% KCL water. Achieved total ball off at 3500 psi. Rigged up Welex. Ran junk basket. Did not recover any ball sealers. (Flapper hung closed.)

Western Co. fraced well as follows:

20,000 gals slick water w/ 2% KCL & 600 SCF/bbl CO₂ pad
20,000 gals slick water w/ 2% KCL & ½#/gal 20-40 sand
& 600 SCF/bbl CO₂
20,000 gals slick water w/ 2% KCL & 1#/gal 20-40 sand
& 600 SCF/bbl CO₂
20,000 gals slick water w/ 2% KCL & 1½#/gal 20-40 sand
& 600 SCF/bbl CO₂
10,000 gals slick water w/ 2% KCL & 2#/gal 20-40 sand
& 600 SCF/bbl CO₂
10,000 gals slick water w/ 2% KCL & 2#/gal 10-20 sand
& 600 SCF/bbl CO₂
2,250 gal slick water w/ 2% KCL & 600 SCF/bbl CO₂ flush

Sand used was 80,000# 20-40 & 20,000# 10-20
Water used was 100,000 gals - CO₂ used was 65 tons
Sand was tagged w/ 50mc IR-192

(Cont.)

- 4-30-81 P.O.H. and laid down Baker Packer. Picked up 3-7/8" bit and csg. scrapper. T.I.H. and tagged cement at 5695'. Drilled 135'. Cement last 50' drilled hard. Did not get all cement drilled. S.D.O.N.
- 5-1-81 Drilling 30' cement. Trip to P.B.T.D. 6100'. Circulate hole w/ 2% KCl water. Pressure test to 1,200 psi. - held O.K. P.O.O.H. Rig up Welex. Ran GR, CBL, CCL from P.B.T.D. to 5490'; 4300' to 3700'; 2700' to 2300'. (No Charge) Cement top 5720'. Perforate Dakota 5901', 03, 06, 11, 19, 21, 24, 26, 32, 73, 82, 84, 86, 89, 92, 94, 96; 6000', 16, 28.
- 5-2-81 T.I.H. w/ Baker retrievematic packer. Set packer at 5865'. Rig up Western Co. Pressured up annulus of packer to 3100 psi. Acidize 2500 gals 15% HCL + 15#/1000 XR-12 + 1 gal/1000 Aqua Flow + 1 gal/1000 XR-20 + 1 gal/1000 Clay Master III + 40 ball sealers in acid. Ball action began after 38 bbl. Had continued good ball action. Shut down w/ 2 bbl acid left and watched pressure drop. Surged balls away, pumped last of acid, displaced w/ KCl water. Unset packer and ran tubing in hole to pass perms w/ packer and knock balls to bottom. P.O.O.H. S.D.O.N.
- 5-3-81 Rig up Western Co. for Dakota frac. Pressure tested lines and began pumping pad. Shut down to repair CO₂ pump.
- Pumped away 20,000 gal gel pad + 10,500 gal gel w/ 1 1/2#/gal 20-40 sand + 600 SCF/bbl CO₂
11,000 gal gel w/ 2 1/2#/gal 20-40 sand + 600 SCF/bbl CO₂
About one half way through the 3 1/2# sand treatment, the belt on the sand master broke. At that point, 1115 bbl of frac fluid had been pumped, 62,066# of sand and some 40+ tons of CO₂
Shut down, flushed casing to perms with KCl water. Shut in well.
Opened well to atmosphere at 4:45 p.m. Checked well after blowing 12 1/2 hrs. Making estimated 400-500 MCF/DPD w/ show of condensate and frac fluid.
- 5-4-81 Rig up Western Co. for Dakota frac.
Pressure tested lines.
- Pumped away 20,000 gal gel + 600 SCF/bbl CO₂ pad.
- Then 10,500 gal gel + 1 1/2#/gal 20-40 sand + 600 SCF/bbl CO₂
11,000 gal gel + 2 1/2#/gal 20-40 sand + 600 SCF/bbl CO₂
13,000 gal gel w/ 3 1/2#/gal 20-40 sand + 600 SCF/bbl CO₂
19,000 gal gel w/ 4 1/2#/gal 20-40 sand + 600 SDC/bbl CO₂
and 24,000 gal gel w/ 5 1/2#/gal 20-40 sand + 600 SCF/bbl CO₂
8,500 gal gel w/ 5 1/2#/gal 10-20 sand + 600 SCF/bbl CO₂
420 gal gel + CO₂ flush
3,435 gal KCl water flush

PIONEER PRODUCTION CORP.

Hartman #1E

Page 6

5-7-81 Average IR was 25 bbls per minute for fluid and 5 bbls per
(Cont.) minute for CO₂. Maximum treating pressure 1700 psi; minimum
pressure 1350 psi; ave. treating pressure 1500 psi.

Instant SIP 900 psi; 15 min. shut in pressure 875 psi.

Rigged up Wellex and ran Gamma Ray and temp. logs. Left well
SI overnight.

5-8-81 Opened well to atmosphere at 8:00 a.m. 5-7-81. Well unloading
CO₂ and frac fluid.

PIONEER PRODUCTION CORP.

Hartman #1E

Page 7

5-23-81 MI & RU Redford, Inc. Killed well w/ 30 bbl of formation water.
P.O.H. 130 jts 2-3/8" EUE, 8 R, 4.7#/ft. tubing. Ran 2 jts. 2-3/8"
tubing as tail pipe (62.54'), 1 Baker Model "EA" packer (4.30')
and 130 jts. of 2-3/8", 4.7#/ ft., EUE, 8 R tubing (4050.06')
T.E. 4116.90' set at 4120' RKB, packer set at 4054 RKB. Packer
set in compression. Tubing making small amount of gas while
running packer. Left tubing open to frac tanks.

5-24-81 Swabbed well in. Started flowing thru separator to tank at 9:15
a.m. 5-23-81. Flowed 84 bbls wtr. first 9 hrs. Making 125
MCFGPD after 9 hrs.

5-25-81 Flowed 69 bbls wtr. in 22 hrs. with 115 MCFGPD.

5-26-81 Flow test well 24 hrs. Well made 58 bbls wtr. in 36 hrs. from
6:15 p.m. 5-24-81 to 6:15 a.m. 5-26-81. Well making gas at rate
of 125 MCFGPD.