

5 - USGS, Fmn

1 - Pioneer

1 - File

Form Approved.
Budget Bureau No. 42-R1424

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C 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 (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1850' FSL - 1520' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

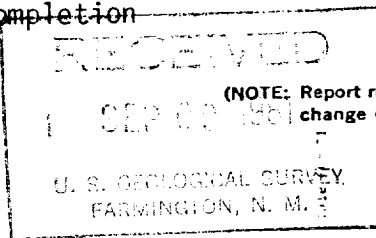
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) ☐

SUBSEQUENT REPORT OF:

☒ completion



5. LEASE
NM 029147

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Dustin

9. WELL NO.

#1E

10. FIELD OR WILDCAT NAME
Basin Dakota & Undes. Chacra

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec 6 T29N R12W

12. COUNTY OR PARISH

San Juan

13. STATE

NM

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)

5484' GL

17. 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.)*

See attached report for perfs, 2-8-81 & 2-12-81
acid/frac, 2-8, 2-13 & 2-15-81
tubing 2-21-81

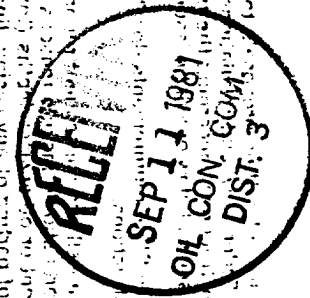
Subsurface Safety Valve: Manu. and Type

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

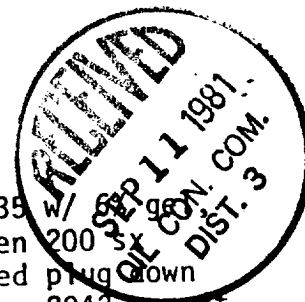
SIGNED Thomas A. Dugan TITLE Agent DATE 9-4-81

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:



NMOCC



1-21-81 Cemented second stage - pumped in 1332 sx of 65-35 w/ 65 gal
(Cont.) 10 lbs coalite w/ $\frac{1}{4}$ # of D-29 per sx + .5% D60 then 200 sx
class B 50/50 poz w/ 2% gel and 10% salt. Pumped plug down
with 67 bbls of water. Closed tool. Total slurry 2942 cu. ft.
Had good cement returns - Approx. 80 bbls. Set slips and cut
off casing. Rig released at 7:00 a.m. 1-21-81.

2-5-81 Move in and rig up Bedford, Inc. rig #3. Move tbg. from Ohio
#1E. Run tbg. and bit in hole to 4357'. Rig up pump truck.

2-6-81 Had to switch out pumps to drill. Drilled stage tool and
20' cement. Go in hole w/ tbg. Tag up at 6270'. Circulate
hole clean. S.D.O.N.

2-7-81 Rig up Western Co. Pressure test csg. to 4000 psi. Held OK.
Circulate hole w/ 2% KCL wtr w/ $2\frac{1}{2}$ # ammonium nitrate/1000 gal.
Come out of hole. Laid down tbg. Rig up Welex. Ran CBL-CCL-
GR from 6262' to 4950', 2800 to 2400'. Shut off camera-log 2400
to surface pipe. Gamma Ray. Excellent bonding across Dakota
formation. Poor bonding 2800' to 2400'. Prep to perf and
frac.

2-8-81 Rig up Welex. Perforate Dakota 6073, 75, 77, 82, 86, 89, 91;
6138, 40, 43, 44, 46, 49, 51, 57, 59, 61, 67 & 81 w/ 3-1/8"
select fire guns w/ 120° phasing. Rig up Western Co. Breakdown
formation w/ 2% KCL wtr. Initial breakdown 1800 psi. Acidize
w/ 2500 gals 15% HCL. Max Press 3500 psi at 10 bbl/min.
Dropped 30 RCN ball sealers. Ran $4\frac{1}{2}$ " junk basket and gauge
ring to PBTD. Recovered 29 balls (17 hits, 12 no hits). Rig
up Western Co. Frac as follows:

18,500 gals Mini Max III-40 + 600 SCF/bbl CO₂ - pad
10,000 gals Mini Max III-40 + $1\frac{1}{2}$ # 20-40 sand + 600 SCF/bbl CO₂
10,000 gals Mini Max III-40 + $2\frac{1}{2}$ # 20-40 sand + 600 SCF/bbl CO₂
12,000 gals Mini Max III-40 + $3\frac{1}{2}$ # 20-40 sand + 600 SCF/bbl CO₂
17,000 gals Mini Max III-40 + $4\frac{1}{2}$ # 20-40 sand + 600 SCF/bbl CO₂
15,895 gals Mini Max III-40 + $5\frac{1}{2}$ # 20-40 sand + 600 SCF/bbl CO₂
8,000 gals Mini Max III-40 + $5\frac{1}{2}$ # 10-20 sand + 600 SCF/bbl CO₂
4032 gal 2% KCL + 600 SCF/bbl CO₂ - flush

ISDP - 1500 psi 15 min. shut in 900 psi
Ave inj rate 30 BPM on fluid, 6 BPM on CO₂

Note - 20-40 sand at $5\frac{1}{2}$ #/gal was cut due to running short of
fluid. 127 bbls short - 29,000# 20-40 sand

(Cont.)

2-8-81 Totals: 2½ gals I-15
(Cont.) 50# B-5 breaker
44 gals X-cide
27 gals Aquaflo
44 gals Clay Master III
218# ammonium nitrate
15,400# KCL
800# calcium chloride
1850 gals diesel

Rig up Schlumberger to run GR-Temp after-frac logs. Logs indicate bottom 12 perfs covered w/ sand. Shut well in overnite.

2-9-81 Opened well to atmosphere at 9:00 a.m. 2-8-81. Csg. pressure 640 psi. Checked well at 7:00 a.m. 2-9-81; gauged 800 MCFPD w/ pitot tube - w/ spray of wtr. and condensate.

2-10-81 Well flowing back. P.U. 2-3/8" tbg. Run in hole and tag up at 6234' RKB. All perforations open. POOH w/ 2-3/8" tbg. Did not finish trip. Shut well in over nite. SI pressure 1400 psi at 7:00 a.m. 2-10-81 after 13 hrs.

2-11-81 Finish trip out of hole w/ 2-3/8" tbg. Shut well in for build up. S.D.O.N.

2-12-81 Rig up B & R wireline service. Ran bottom hole pressure survey. Rig up Welex. Set Bridge plug at 2800'. Pour frac sand on top of bridge plug. Trip in hole w/ tbg. to 2715'. Reverse circulate hole w/ 2% KCL. Spot 100 gals 10% acetic acid across zone to be perforated. POOH w/ tbg. Rig up Welex. Perforate Chacra 2586, 87, 95, 96; 2659, 61, 63, 71, 73, 80, 82, 84.

2-13-81 Go in hole w/ tbg. and Baker retrievmatic packer. Set packer at 2465' Pressure up annulus to 1000 psi. Establish rate of 5½ bbl/min at 1600 psi. ISDP 650 psi. Flow back very small amount of fluid. Rig up swab. Well kicking each swab run. Swabbing dry. Making est. 150 MCF. Rig up Western Co. Acidize Chacra formation w/ 1000 gals 7½% HCL w/ 400 SCF/bbl N₂. Ball out with 4000 psi. Flush to bottom perf. w/ 2% KCL wtr. w/ 4000 SCF/bbl N₂. Ave treating press 3000 psi; max, 4000 psi. Rig up Welex. Ran gamma tracer survey. Open well up. Blew dead. Rig up to swab. Made 3 swab runs. Fluid - gas cut - didn't pull any fluid last run. Shut in overnite.

PIONEER PRODUCTION CORP.

Dustin #1E

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2-14-81 Tbg. press 680 psi. Blew down; did not unload. Swabbing from bottom. Recovering about 1 bbl per run for 3 runs; Fluid is gas cut. After 2 hrs swabbing, pulling less than $\frac{1}{2}$ bbl/run. Making 1 run every 45 min. Recovering 5-10 gal per run. Unseated packer. P.O.O.H. w/ tbg. and packer. Shut in. Prep to foam frac. Well making estimated 100 MCFGPD.

2-15-81 Rig up Western Co. Foam frac Chacra perfs as follows:

3024 gal + 11,775 SCF N₂ + 75 quality foam - pad
3024 gal + $\frac{1}{2}$ # 10-20 sand + 11,775 SCF N₂ + 75 quality foam
3024 gal + 1# 10-20 sand + 11,775 SCF N₂ + 75 quality foam
3024 gal + $1\frac{1}{2}$ # 10-20 sand + 11,775 SCF N₂ + 75 quality foam
3024 gal + 2# 10-20 sand + 11,775 SCF N₂ + 75 quality foam
420 gal + 11,775 SCF N₂ + 75 quality foam - flush

Ave. treating pressure 2000 psi
Min. treating pressure 1950 psi
Max. treating pressure 2100 psi

Fluid injection rate 6.3 bbl/min.
ISDP 1500 psi 15 min shut in 1400 psi

Totals: 704,000 SCF N₂
170 gal Aqua flow
3000# KCL
160 gal Foamex
60,000# 10-20 sand

Opened well up thru $\frac{3}{4}$ " pos. chock after 2 hrs. shut in.
Well gauged 705 MCFGPD after 19 hrs.

2-16-81 Shut down - Sunday

2-17-81 S.I. csg. pressure 915 psi. Ran BHP survey w/ B & R Wireline.
W.O.O. - 4 hrs - open well up. Making 1 MMCF after $1\frac{1}{2}$ hrs.
Kill well; go in hole w/ tbg. Having trouble keeping well dead. Left open to pit. Prep to clean out to top of bridge plug at 2800'. Note B.H.P. 923 psi at 2748'.

2-18-81 Unable to reverse out sand; well taking fluid. Pulled out of hole. Start in hole w/ Baker Hydrostatic baler. Had trouble keeping well dead to pull out of hole. Unload and rack $1\frac{1}{4}$ " tbg. Prep to clean out sand.

2-19-81 Cleaned out 40' w/ hydrostatic bailer - lost 10' (bailer plugged). P.O.O.H. Clean sand out of tbg. and rubber out of bailer. Go back in hole w/ Hydrostatic bailer. Cleaned out sand; latch on to and unseat bridge plug. Blew well to pit 1 hour and pull above Chacra perfs. Shut down. Left well open to pit over nite to blow down.

PIONEER PRODUCTION CORP.

Dustin #1E

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2-20-81 P.O.O.H. and lay down 2-3/8" tbg. and bridge plug. Rig up Welex. Set Baker model "F-1" production packer at 2766' RKB. Start trip in hole w/ 1 1/4" I.J. tbg. w/ seal assembly and blast joints and sliding sleeve. Shut down over night. Left well open to pit.

2-21-81 Finished running tubing as follows:

98 jts. 1 1/4" 2.3#, V-55, 10 Rd., I.J. tbg.	3179.68'
1 inner mandrel	2.90'
1 Baker seal assembly	2.90'
1 2-3/8" E.U.E. 8 Rd sub w/ coupling	2.10'
1 2-3/8" E.U.E. 8 Rd x 1 1/4" N.U. 10 Rd swedge	.25'
1 Baker Model "L" sliding sleeve	2.35'
2 jts. 1 1/4", 2.3#, V-55 10 Rd I.J. tbg.	64.94'
7 20' x 2.330 OD x 1.670 I.D. Bader blast jts.	140.00'
77 jts. 1 1/4" 2.3# V-55 10 Rd I.J. tbg.	2499.38'
4 6' 1 1/4" I.J. tbg. subs	23.60'
3 1' 1 1/4" I.J. tbg. subs	3.00'
1 jts. 1 1/4", 2.3# V-55, 10 Rd I.J. tbg.	<u>30.81'</u>

Total Equip.	5951.91'
Top tbg. head to RKB	<u>7.09'</u>

SET AT RKB 5959.00'

Pumped out plug. Shut well in. Released rig at 12:30 a.m. 2-20-81.