

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE-Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

PATINA OIL & GAS CORPORATION

3a. Address and Telephone No.

5802 HIGHWAY 64, FARMINGTON, NM 87401

3b. Phone No. (include area code)

(505) 632-8056

4. LOCATION OF WELL (Footage, Sec., T., R., M., or Survey Description)

1800' FNL & 1700' FWL - UL "F"
SEC. 8, T26N, R5W

5. Lease Serial No.

JICARILLA CONTRACT #152

6. If Indian, Allottee or Tribe Name

JICARILLA APACHE

7. If Unit or CA/Agreement, Name, and/or No.

8. Well Name and No.

JICARILLA #3E

9. API Well No.

30-039-23505

10. Field and Pool, Or Exploratory Area

BASIN DK/TAPACITO GP/MESA VERDE-PT LOOKOUT

11. County or Parish, State

RIO ARriba COUNTY, NEW MEXICO

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☐ Plug and Abandon

☐ Plug Back

☐ Production (start/resume)

☐ Reclamation

☐ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☐ Water Shut-Off

☐ Well Integrity

☒ Other Pay Add

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

See attached procedure.

HOLD C104 FOR Blanco Mesa Verde for C-102

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

Name (Printed/Typed)

KAY S. ECKSTEIN

Title

Signature

Date

August 16, 2004

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by /s/ David R. Sitzler

Title

Division of Multi-Resource

Date

SEP 27 2004

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

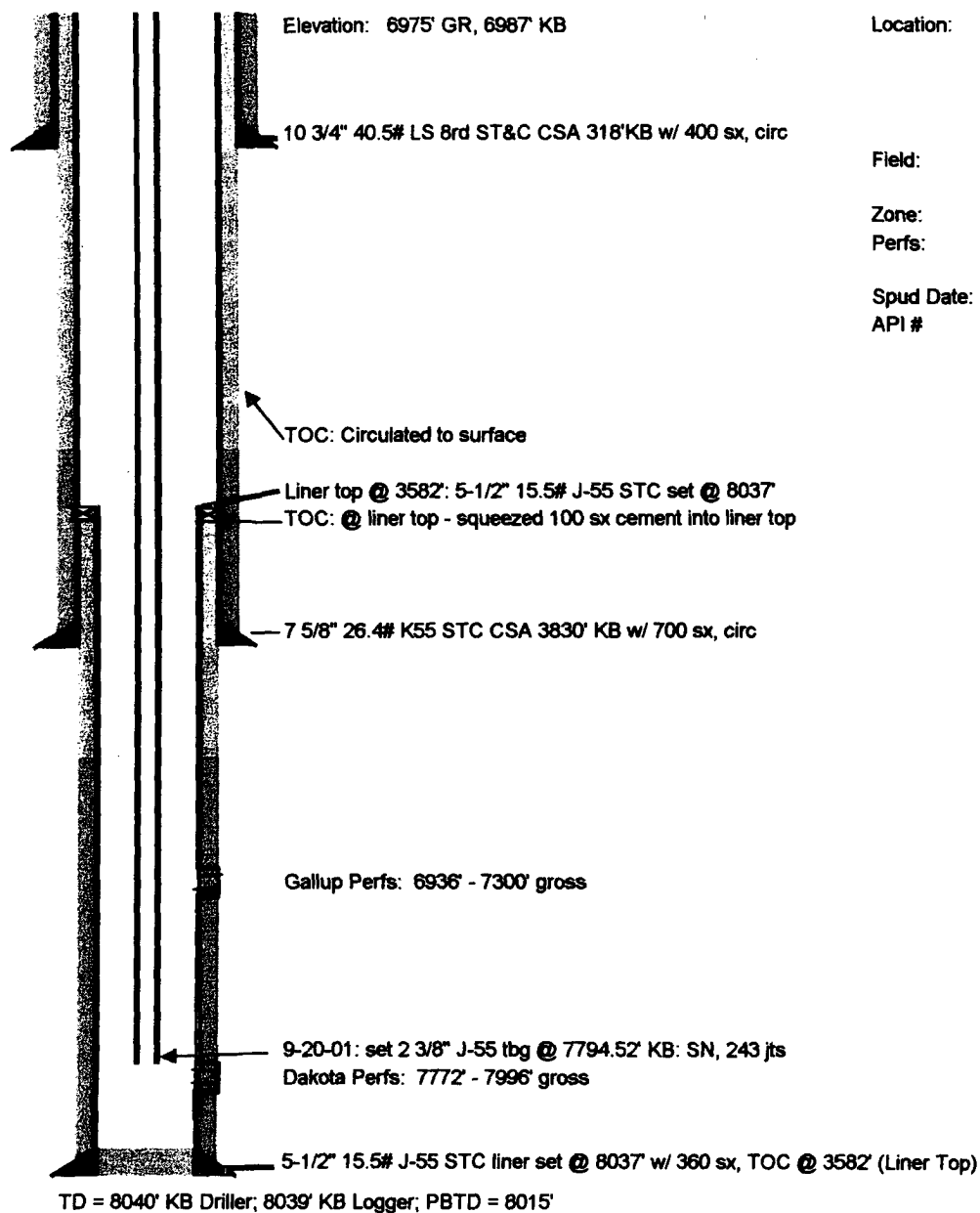
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and wilfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

RECEIVED
BLM
04 AUG 18 AM 10:31
010 ALBUQUERQUE, N.M.

PATINA

OIL & GAS CORPORATION

Jicarilla No. 3E
AFE # TBD



Location: 1800' FNL x 1700' FEL, Sec 8,
T26N- R5W, Rio Arriba County,
NM
Lease #

Field: Basin Dakota, Gallup,
Blanco Mesa Verde
Zone: Dakota, Gallup, Mesa Verde
Perfs: Dakota: 7772' - 7796' gross
Gallup: 6936' - 7300' gross
Spud Date: August 21, 1984, 00:00
API # 30-039-23505

PATINA

OIL & GAS CORPORATION

Jicarilla No. 3E AFE # TBD

Directions: Take Hwy 550 south from Bloomfield toward Albuquerque to the "TeePee's". At MM28 on Hwy 537, turn left onto J6 for 3 miles. Turn right onto J64 to climb to the top of Honolulu Mesa. Stay on main road 15+/- miles to location in the road.

Location: 1800' FNL x 1700' FEL, Sec 8, T26N- R5W, Rio Arriba County, NM
Lease #

Field: Basin Dakota, Gallup,
Blanco Mesa Verde

API #: 30-039-23505

Spud Date: 8/21/1984

Elevation: 6975' GR, 6987' KB

TD: TD = 8040' KB Driller; 8039' KB Logger; PBTD = 8015'

Wellhead:

Tubulars:

Surface: 10 3/4" 40.5# LS 8rd ST&C CSA 318'KB w/ 400 sx, circ

Intermediate: 7 5/8" 26.4# K55 STC CSA 3830' KB w/ 700 sx, circ

Production:

Liner: 5-1/2" 15.5# J-55 STC liner set @ 8037' w/ 360 sx, TOC @ 3582' (Liner Top)

Procedure to Complete Well in Point Lookout & Menefee formation:

- 1) MIRU PU. Smother well with 2% KCl as necessary. Nipple down wellhead. Nipple up BOP.
- 2) Tag for fill and trip out of hole with 2-3/8" production string.
- 3) Trip in hole with bit & scraper to shine up casing and clean out fill. **Liner top at 3582'.**
- 4) Trip out of hole.
- 5) Wireline set a 10,000# CIBP at +/- 6250' w/ +/- 10' avoiding casing collars.
- 6) Trip in hole with 2 3/8" N80 workstring to PBTD.
- 7) Circulate hole with clean 2% KCl water.
- 8) Trip out of hole.
- 9) Run a CBL from CIBP to top of fluid level. If bond is weak anywhere, pressure casing to 1,000psi and relog over the weak section to check for improvement. If confidence in casing and cement is good, pressure test casing and plug to 2,500psi. If confidence in casing is low, do not test. Prep to use 3 1/2" frac string.
- 10) Perforate the Point Lookout formation with 3-1/8" casing gun (use deepest penetrating jets available) with 0.38" EHD jets and 120 degree phasing from the top down as follows:

5782, 5784, 5786, 5792, 5794, 5802, 5812, 5814, 5820, 5822, 5824, 5886, 5888, 5890, 5916, 5918 and 5920. (Total shots = 17 holes)

All depths are from Compensated Density Neutron log dated 8-31-84

- 11) Rig up BJ Services and frac Point Lookout with 1000 gals 15% HCL, 115,567 gallons of slickwater, 100,000# 20/40 Ottawa sand at 40 bpm, if down frac string, (if frac string is in hole, load and pressure backside to 500psi prior pumping and monitor the pressure during the job) or 60 BPM, if down casing, with sand staged 0.50 ppg, 1.00 ppg, 1.50 ppg and 2.00 ppg as per attached BJ procedure (Proposal # 179960072A). Maximum Treating Pressure is 5,000 psig.

Tag 0.50 ppg, 1.00 ppg stages with Iridium and 1.50 ppg and 2.00 ppg stages w/ Scandium.

| Job Step | Fluid | | Conc (ppg) | Proppant | | |
|----------|--------------|--------------|------------|-------------------------|-------------|------------|
| | Type | Volume (gal) | | Type | Stage (gal) | Conn (gal) |
| 1 | 15% HCl Acid | 1000 | | Acid | | |
| 2 | Slickwater | 30000 | | Pad | | |
| 3 | Slickwater | 30000 | 0.75 | 100% Sand, White, 20/40 | 22500 | 22500 |
| 4 | Slickwater | 34400 | 1.25 | 100% Sand, White, 20/40 | 43000 | 65500 |
| 5 | Slickwater | 14000 | 1.75 | 100% Sand, White, 20/40 | 24500 | 90000 |
| 6 | Slickwater | 5000 | 2.00 | 100% Sand, White, 20/40 | 10000 | 100000 |
| 7 | Slickwater | 2167 | | Flush | | 100000 |
| Total | | 116567 | | | | 100000 |

| Job Step | Surface Treating | | Flow | | Pressure | | | | Pump Time (mm:ss) |
|----------|------------------|------------|-----------------|------------|-----------------|-----------------|-----------------|-----------------|-------------------|
| | Flow Rate (gpm) | Time (min) | Flow Rate (gpm) | Time (min) | Flow Rate (gpm) | Flow Rate (gpm) | Flow Rate (gpm) | Flow Rate (gpm) | |
| 1 | 769 | 10.0 | 10.0 | | 23.8 | 23.8 | 23.8 | 23.8 | 00:02:22 |
| 2 | 3484 | 40.0 | 40.0 | | 714.3 | 738.1 | 714.3 | 738.1 | 00:17:51 |
| 3 | 3608 | 40.0 | 38.7 | 1218.7 | 738.5 | 1476.6 | 714.3 | 1452.4 | 00:18:27 |
| 4 | 3690 | 40.0 | 37.9 | 1987.6 | 865.3 | 2342.0 | 819.0 | 2271.4 | 00:21:38 |
| 5 | 3770 | 40.0 | 37.1 | 2724.4 | 359.7 | 2701.7 | 333.3 | 2604.8 | 00:08:59 |
| 6 | 3811 | 40.0 | 36.7 | 3081.3 | 129.8 | 2831.6 | 119.0 | 2723.8 | 00:03:14 |
| 7 | 3484 | 40.0 | 40.0 | | 51.6 | 2883.1 | 51.6 | 2775.4 | 00:01:17 |

Total Pump Time: 01:13:51

TREATMENT SCHEDULE:

1. Pump 1,000 gallons of 15% HCl acid.
2. Pump 30,000 gallons as pad.
3. Pump 30,000 gallons ramping proppant from 0.50 ppg to 1.00 ppg.
4. Pump 34,400 gallons ramping proppant from 1.00 ppg to 1.50 ppg.
5. Pump 14,000 gallons ramping proppant from 1.50 ppg to 2.00 ppg.
6. Pump 5,000 gallons holding proppant at 2.00 ppg.
7. Flush 2 bbls short of top perforation.

Record ISIP, 5,10 and 15 min SIP's.

- 12) Wireline set a CIBP @ +/- 5720' (make sure you have enough gun room for next shots). Load hole and pressure test plug and casing to 1000 psi.

- 13) Perforate the Menefee formation with 3-1/8" casing gun (use deepest penetrating jets available) with 0.38" EHD jets and 120 degree phasing from the top down as follows:

5604, 5606, 5608, 5610, 5664, 5666, 5668, 5670, 5680, 5682, 5684, 5744, 5746, 5748 and 5750.
(Total shots = 15 holes)

All depths are from Compensated Density Neutron log dated 8-31-84

- 14) Rig up BJ Services and frac Menefee with 1000 gals 15% HCL, 115,459 gallons of slickwater, 100,000# 20/40 Ottawa sand at 40 bpm, if down frac string, (if frac string is in hole, load and pressure backside to 500psi prior pumping and monitor the pressure during the job) or 60 BPM, if down casing, with sand staged 0.50 ppg, 1.00 ppg, 1.50 ppg and 2.00 ppg as per attached BJ procedure (Proposal # 179960072A). **Maximum Treating Pressure is 5,000 psig.**

Tag 0.50 ppg, 1.00 ppg stages with Antimony and 1.50 ppg and 2.00 ppg stages w/ Iodine.

| Job Step | Frac | | Proppant | | Pressure | |
|----------|--------------|--------------|------------|-------------------------|------------|-----------|
| | Type | Volume (gal) | Conc (ppg) | Type | Flow (gpm) | Time (hr) |
| 1 | 15% HCl Acid | 1000 | | Acid | | |
| 2 | Slickwater | 30000 | | Pad | | |
| 3 | Slickwater | 30000 | 0.75 | 100% Sand, White, 20/40 | 22500 | 22500 |
| 4 | Slickwater | 34400 | 1.25 | 100% Sand, White, 20/40 | 43000 | 65500 |
| 5 | Slickwater | 14000 | 1.75 | 100% Sand, White, 20/40 | 24500 | 90000 |
| 6 | Slickwater | 5000 | 2.00 | 100% Sand, White, 20/40 | 10000 | 100000 |
| 7 | Slickwater | 2059 | | Flush | | 100000 |
| Total | | 116459 | | | | 100000 |

| Job Step | Frac | | Proppant | | Pressure | | Time | |
|------------------|------|--------------|------------|--------|------------|-----------|------------|------------|
| | Type | Volume (gal) | Conc (ppg) | Type | Flow (gpm) | Time (hr) | Time (min) | Time (sec) |
| 1 | 771 | 10.0 | 10.0 | 23.8 | 23.8 | 23.8 | 00:02:22 | |
| 2 | 3652 | 40.0 | 40.0 | 714.3 | 738.1 | 714.3 | 00:17:51 | |
| 3 | 3789 | 40.0 | 38.7 | 1218.7 | 738.5 | 1476.6 | 00:18:27 | |
| 4 | 3877 | 40.0 | 37.9 | 1987.8 | 865.3 | 2342.0 | 00:21:38 | |
| 5 | 3965 | 40.0 | 37.1 | 2724.4 | 359.7 | 2701.7 | 00:08:59 | |
| 6 | 4009 | 40.0 | 36.7 | 3081.3 | 129.8 | 2831.5 | 00:03:14 | |
| 7 | 3652 | 40.0 | 40.0 | 49.0 | 2880.5 | 49.0 | 00:01:13 | |
| Total Pump Time: | | | | | | | 01:13:47 | |

TREATMENT SCHEDULE:

1. Pump 1,000 gallons of 15% HCl acid.
2. Pump 30,000 gallons as pad.
3. Pump 30,000 gallons ramping proppant from 0.50 ppg to 1.00 ppg.
4. Pump 34,400 gallons ramping proppant from 1.00 ppg to 1.50 ppg.
5. Pump 14,000 gallons ramping proppant from 1.50 ppg to 2.00 ppg.
6. Pump 5,000 gallons holding proppant at 2.00 ppg.
7. Flush 2 bbls short of top perforation.

Record ISIP, 5, 10 and 15 min SIP's.

- 15) Flow back load using chokes to control flowback rate to minimize sand recovery until well dies.

- 16) Trip in hole with mill, drill collars and 2 3/8" workstring to clean out sand to CIBP. Clean up well until sand flowback is no longer a problem.
- 17) Trip out of hole.
- 18) Run after frac log over the Menefee perforations.
- 19) Rig up well to produce with plunger or rod pump as necessary for water-gas ratio.
- 20) Return well to production producing from the Menefee formation only. The well will be commingled at a later date.